



NEW ZEALAND
CATALOGUE
2024



sutton[®]

SUPERIOR SINCE 1917

ABOUT SUTTON TOOLS NZ LTD



KAIAPOI MANUFACTURING, AUCKLAND SALES & DISTRIBUTION

Sutton Tools NZ Ltd is a wholly owned subsidiary of Sutton Tools Pty Ltd Australia. Sutton Tools is a family owned business that has been manufacturing in Australia for more than 100 years (since 1917).

The New Zealand business has been based at the current Kaiapoi site for 60 years, but in 2024 will enter an exciting new phase when manufacturing moves to a custom-built factory just down the road in Rangiora. The New Zealand Sales, Marketing and Distribution functions are located at Papakura in Auckland.

Initially established in 1962 to manufacture a small range of jobber drills for the NZ domestic market, the business has expanded and evolved to become an important manufacturer and supplier to local and international distributors of Industrial and DIY products.

BUY NEW ZEALAND MADE



Sutton Tools is very proud of our manufacturing heritage and the benefits that producing tools in NZ brings to the local community and the country. We have a very experienced, reliable, expert workforce utilising and developing world leading technology to produce high quality cutting tools.

When you buy from us you are getting some of the best cutting tools available in the World and you are also supporting a wide range of other New Zealand companies that we rely on to manufacture successfully in NZ. We invest many millions of dollars in the New Zealand economy and generate important export earnings.

We appreciate your support and hope that you will continue supporting all things "NZ Made".

GENERAL CONDITIONS OF SALE

Ownership of Goods

Ownership of the goods shall only pass onto the buyer on receipt of payment in full. Any goods retrieved or returned in full or part settlement of the debt shall be subject to a minimum restocking fee of 10%. Any goods returned by the buyer must be freighted at the owners expense.

Payment Terms

Payment is due in full on the 20th of the month following invoice. In the event that payment is not received by due date interest may be charged at the rate of 2.5% per month commencing from the due date of payment. The levying of interest shall not extend the due date of payment.

Prices & trading terms

All prices & trading terms quoted in this Sutton Tools NZ Ltd price book are a guide only and Sutton Tools NZ Ltd reserve the right to change or alter pricing within reason and without notice.

Restocking Fee

Sutton Tools NZ Ltd reserve the right to apply a 10% restocking fee should goods be returned due to a client's incorrect ordering. A Sutton Tools NZ Ltd sales office employee must be contacted and agreement reached prior to any goods being returned. Any goods accepted back by the seller must be freighted at the buyer's expense.

Claims for Shortages

No claims for shortages will be accepted unless the buyer advises the seller in writing within seven days of the receipt of the goods.

Freight

Delivery of all orders with a minimum invoice value of \$200.00 nett excluding G.S.T. will be F.I.S. For all orders less than \$200.00 a delivery charge will apply.

Sutton Tools NZ Ltd has made every effort to maintain the accuracy of the information provided in this catalogue. However, Sutton Tools NZ Ltd cannot guarantee and assumes no legal responsibility for the accuracy of the information provided. The information contained in this catalogue is for general guidance only. Sutton Tools NZ Ltd reserve the right to amend any product information, pricing and imagery errors.

sutton®

P&N®

Superior Since 1917

Sutton Tools is consistently providing best value to our customers by bringing to market innovative and productive solutions.

With the commitment to excellence and innovation, Sutton Tools has earned the brand reputation for delivering world-class cutting tools, quality and value across the entire cutting tools category.

With a history of manufacturing in Australia since 1917, Sutton Tools truly are the cutting tool experts.

Through continual aggressive reinvestment and Research and Development programs, Sutton Tools provide product, surface coatings and regrinding specific to the many sophisticated and varied applications encountered by industry today.

Professional Cutting Tools

P&N products will always meet your needs for durability, precision and speed, which is why P&N brand is the real tradie's 'Best Mate'.

Since 1921, the P&N brand has been providing cutting tools for the professional and serious DIYer, meeting the highest standards in precision and durability to achieve a better result.

Today P&N products continue to be made by skilled craftsmen, backed by the Sutton Tools Group Testing Unit to achieve consistent high quality standards.





The Woodworking Masters

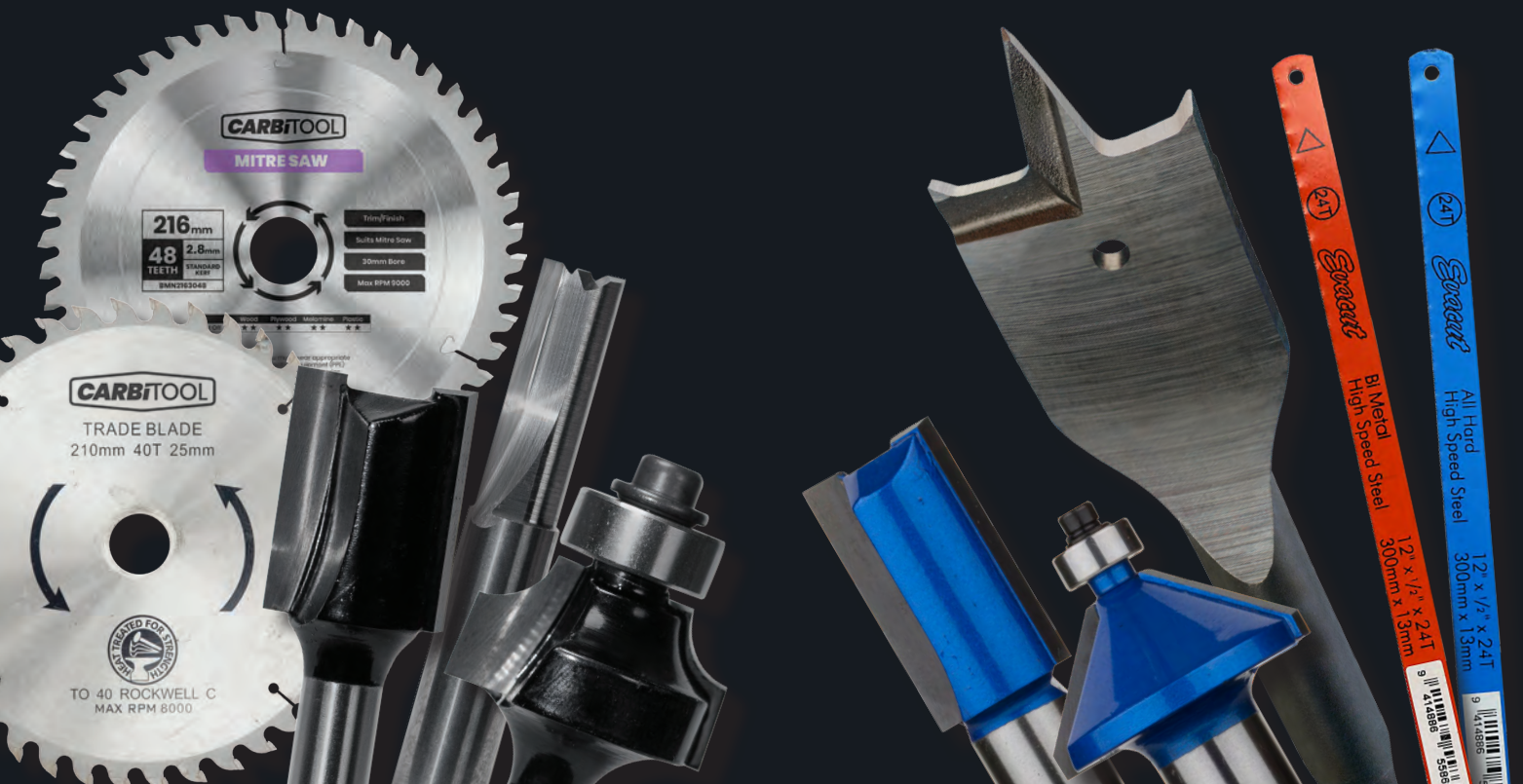
Serving industry, trades, hobbyists and the specialist retailers world wide, with a comprehensive range of woodworking tools including Router Bits and Saw Blades.

Carbitool has a long standing reputation for excellence in the manufacture of carbide tools for the woodworking, cabinetry, joinery, furniture, timber and panel industries. Using the latest CNC (computerised numerical controlled) technology, Carbitool is committed to ongoing product development and quality improvement.

Cutting Tools

Professional Quality Cutting Tools.

The Evacut range of professional quality cutting tools includes Router Bits and Hacksaw Blades.





Making it Easy

The Frost brand has been a part of the Australian cutting tool market for over 50 years. Frost understands the needs of today's DIYer and trade, providing a basic range at an affordable price.

Every Frost product is manufactured to predetermined specifications, tested in Sutton Tools in-house testing unit and carry the Sutton Group guarantee of workmanship. If you are after good quality, affordable power tool accessories, look for the Frost brand at all leading hardware outlets.

Threading

Thread Inserts, Thread Repair Kits, Installation Tooling, Taps and Gauges.

Recoil threaded inserts, installation tooling, taps, gauges, and thread-repair kits accommodate manufacturing and aftermarket applications in the automotive, aerospace, electronics, ship building, defence, power-generation, and transportation industries.

Offering a wide variety of sizes, materials, finishes, and coatings, Recoil® brand products are versatile enough to fit a broad range of applications.





The Premium Hex Key Manufacturer

For the past 50 years, Bondhus has established itself within the market as the premium hex key manufacturer for both quality and innovation.

The development of Protanium™ Steel, ProGuard™ Dry Surface Technology, along with continual product development such as the patented ProHold™ product proves Bondhus' leadership in the hex key market.

Bondhus excels in the market by offering not only the best quality product, but also the widest range in both handle and tip configurations. The level of confidence in the quality of all products is reinforced with a full lifetime warranty.



7 x Faster, 100% Easier

Lockjaw Self-Adjusting pliers and clamps have taken the standard to a new level.

Traditional locking pliers need a lot of manual adjustments requiring two hands to adjust the jaw locking pressure before they can do their task. The Lockjaw patented 'Set & Forget' pressure control screw locking mechanism allows the jaws to automatically adjust to any size object for fast, easy one-handed operation.

Set the desired clamp pressure, from slight to extreme and jaws adjust to any size with equal grip pressure. Whether grabbing something thick or thin, Lockjaw Pliers and Clamps make jobs faster and easier.





The Sharpener People

EZE-LAP Diamond products have been the pioneer and originator of diamond sharpeners since the early 1970's.

The superior process of heat treatment that bonds the highest quality industrial grade diamond particles in a stainless alloy to a precision matched metal substrate has been imitated but has never come close to being duplicated.

By utilizing our technology, EZE-LAP has created a surface that works on carbide, ceramic, tool steel, hardened materials and newer stainless steels that are utilized by most major knife manufacturers today.



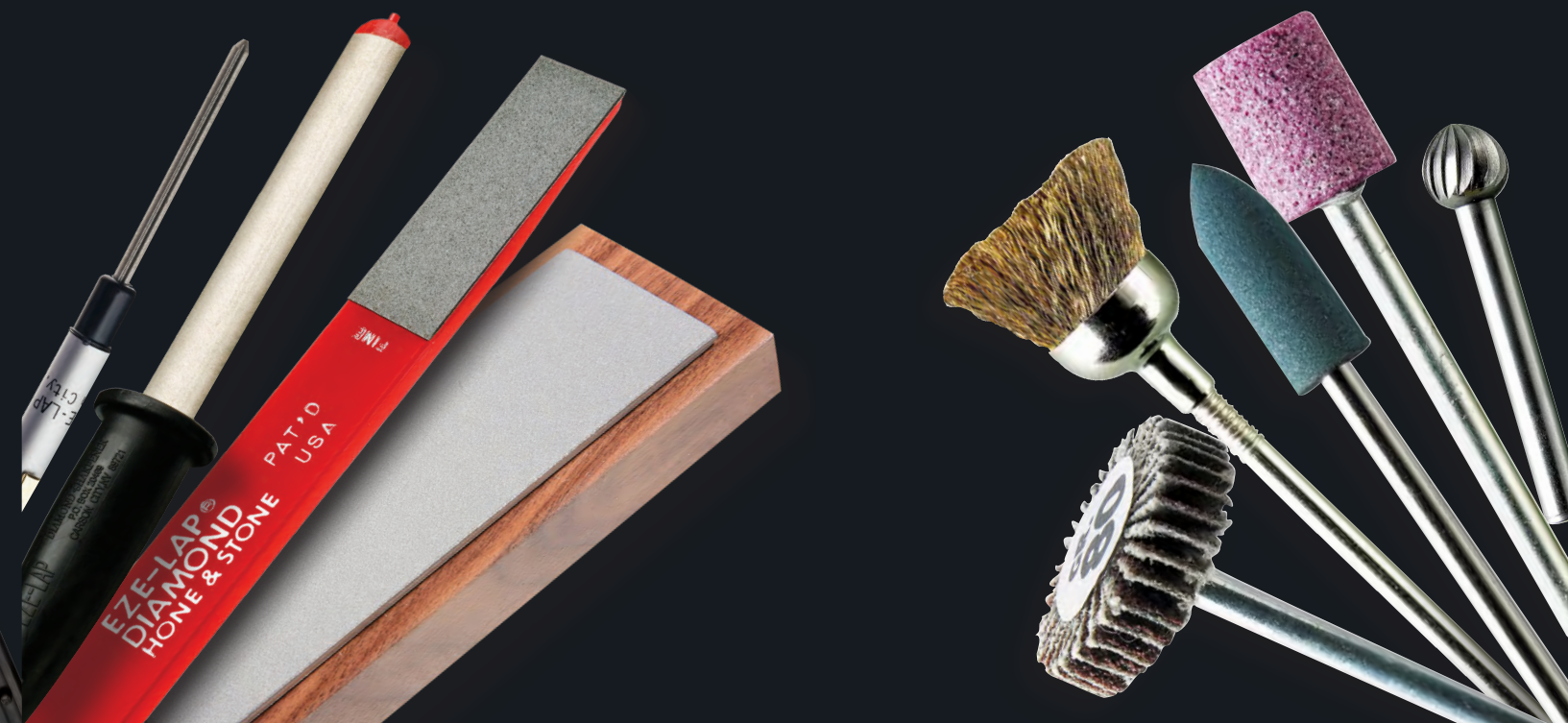
Competence, Quality & Specialisation

Production, quality, range and specialisation: on these strengths' PG has founded its own production and organisational structure.

The reliability of the PG brand grows and strengthens throughout its history: born in the 1950s as a precision mechanical workshop specialising in the manufacture of metal parts in the early 1980s, while continuing its original business, PG's production and sales started with other products, expanding and diversifying the range of tools and drill accessories.

Cutting, sanding, smoothing, drilling, engraving, polishing: the PG Mini range combines utmost precision with the convenience of universal tools and guaranteed strength.

Proudly distributed in Australia and New Zealand by Sutton Tools.



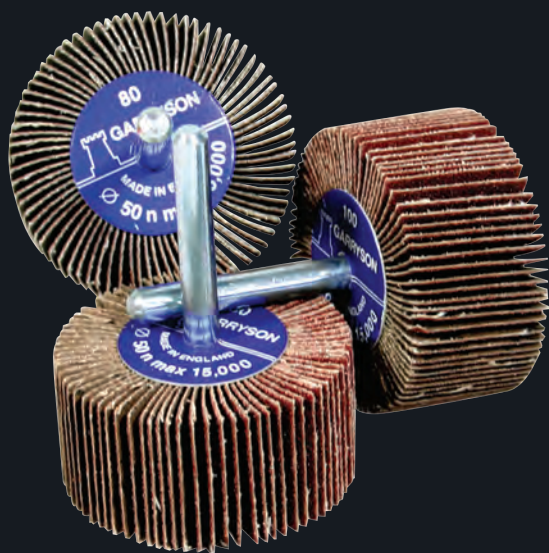
Garryson®

Abrasives, Burrs & Routers

Brushware

Abrasives, Flap Wheels & Flap Discs.

Garryson is a leading manufacturer of abrasive flap disc and has been producing its range of flap discs and flap wheels for over 20 years.



JAMEC PEM

Assortment Packs & Air Equipment

Assortment Packs and Master Trade Packs

Jamec Pem is an iconic Australian Industrial brand which has been manufacturing and distributing quality tyre inflation and airline equipment for more than 75 years.

The Jamec Pem range of assortment packs and master trade packs includes split pins, rubber o-rings, flat steel washers, screws, hexagon nuts, hexagon bolts, spring and internal washers, rivets, nylon self lock nuts, grease nipples, roll pins and hexagon flange nuts. Plus hose clamps, tyre pressure gauges and accessories.





Countersinks, Deburring & Cooling Systems

NOGA deburring systems are the acknowledged world leader in hand deburring system/tools.

The Noga deburring system is your best solution for removing burrs from any type of materials or applications such as deburring rough edges in holes, for deburring the inside breakthrough of cross holes and also for deburring sharp corners on external surfaces.



Snap-Loc Systems

Cedarberg Snap-Loc Systems have served metalworking industries world-wide.

Featuring adjustable length and interchangeable components with easy hand assembly, the Snap-Loc System is suitable for a wide range of coolant applications.

Product Categories: Cooling Systems



Trade**flame**

Black Book

Heating Tools

Trade**flame** has been supplying heating tools to professional and DIY users in Australia for over 40 years.

The Trade**flame** range continues to work with the latest innovations in gas tools. From general purpose handyman kits to pinpoint burners for the trade specialist.



The Ultimate Reference Book

The easy to use pocket-size reference tools containing a wealth of detailed up-to-date information for the industry and trade.

Black Books include the Engineer, Electrical and Fastener editions.

The high-quality matt laminated grease-proof page ensures long life and glare-free reading. It is wire bound to ensure the book stays flat on your workbench when you are reading.

The book also comes with a bonus drill point sharpening gauge (Engineer), and thread pitch identification gauge (Fastener).

Black Books are the ultimate reference books for engineers, tradespeople, apprentices, machine shops, tool rooms, technical colleges and purchasing officers.



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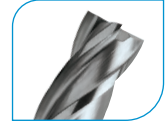
Metal, Wood, Masonry, Glass & Tile, Long Series, Panel, Reduced Shank, Reamers



1

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Slotting, Milling



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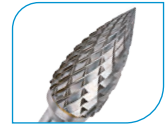
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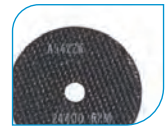
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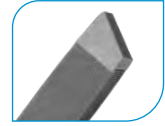
Carving, Engraving & Milling, Grinding & Sharpening, Sanding, Cleaning & Polishing, Cutting & Roughing, Accessories



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339

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355



DRILLING

- Metal • Wood • Masonry • Glass & Tile • Long Series • Panel
 - Reduced Shank • Reamers
-

Drill Type	Catalogue Code & Page No.	Wood						Metal						Masonry						Glass & Tile										
		Hard wood & soft wood	Wood & nails	Plywood	Chipboard	MDF	Laminated particle board	Steel	Hard Steel	Stainless steel	Aluminium	Copper & Brass	Cast iron	Sheet metal	Metal pipes	Plaster board	Cement sheet	Ceramics & Tiles	Hebel	Brick	Concrete	Reinforced Concrete	Stone	Granite	Marble	PVC Plastics	Acrylic	Glass	Fibreglass	Carbon Fibre
Jobber Drills - Silver	D101 pg.13	○	○	○	○	○	●			●	●	○	○	○											○					
Jobber Drills - Blue	D102 pg.17	○	○	○	○	○	●			●	●	○	○	○	○										○					
Jobber Drills - Viper	D105 pg.19	○	○	○	○	○	●			●	●	○	○	○	○										○					
Jobber Drills - INOX	D185 pg.20						●		●	●		●	○												●					
Jobber Drills - Impact	D213 pg.25	●		●	○	○	○	●		●	●	●	○	○											○					
Long Series Drills	D110 pg.29	○	○	○	○		●			●	●	○	○	○	○										○					
Panel Drills - Silver	D133 pg.31						●			●	●	●													○					
Panel Drills - Blue	D125 pg.32						●			○	○	●													○					
Panel Drills - Cobalt	D130 pg.32						●	○	●	○	○	●													○					
Reduced Shank Drills	D188 pg.34	○	○	○	○		●			○	○	○													○					
Wood Drill Brad Points	D500 pg.43	●		●	●	●	○								○															
Spade Bits	D501 pg.41	●		○	○	●	○																							
Auger Bits	D510 pg.47	●		○	○	○																								
Auger Bits - 4 Flute	D514 pg.46	●		○	○	○																								
Masonry Drills	D600 pg.53														●	●		●	●	●		●	○	○						
Masonry Drills - Impact	D609 pg.52														●	●		●	●	●		●	○	○						
Multi-Purpose Drills	D610 pg.55	○	○	○	○	○	○	○	○	○	○	○	●		●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	
Masonry SDS Plus - 2 Cut	D612 pg.49														●		●	●	●		●	○								
Masonry SDS Plus - REO Pro 3 Cut	D623 pg.50														●		●	●	●	●	●	●	●	○						
Glass & Tile Drills	D688 pg.56																○		●					○	○	●	○	○	○	
Diamond Core Bits - Blue Ceram	D605 pg.59																●					○	●	●		○	○	○	○	

● Optimal ○ Effective

DRILLS

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DRILL SELECTION CHART

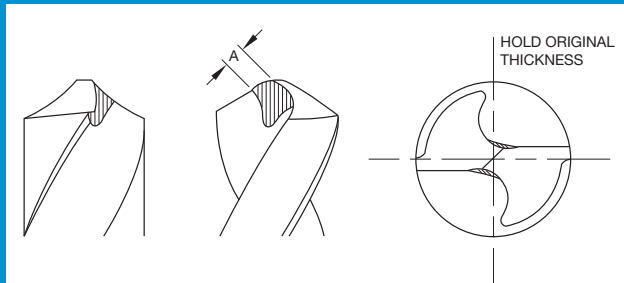
Drill Size			Drill Size			Drill Size			Drill Size		
Metric	Fractional	Gauge	Metric	Fractional	Gauge	Metric	Fractional	Gauge	Metric	Fractional	Gauge
			mm Equiv*			mm Equiv*			mm Equiv*		
			Inches Equiv*			Inches Equiv*			Inches Equiv*		
			0.10			0.20			0.30		
			0.20			0.0079			0.40		
			0.25			0.0098			0.50		
			0.30			0.0118			0.60		
			0.34			0.0135			0.70		
	80		0.35			0.0138			0.80		
			0.37			0.0145			0.90		
0.35			0.38			0.0150			1.00		
	79		0.40			0.0156			1.10		
0.38			0.40			0.0157			1.20		
	1/64		0.41			0.0160			1.25		
0.40			0.42			0.0165			1.30		
			0.45			0.0177			1.35		
0.42			0.46			0.0180			1.40		
0.45			0.48			0.0189			1.45		
	77		0.50			0.0197			1.50		
0.48			0.51			0.0200			1.55		
0.50			0.52			0.0205			1.60		
	76		0.53			0.0210			1.65		
0.52			0.55			0.0217			1.70		
	75		0.56			0.0225			1.75		
0.55			0.58			0.0228			1.80		
	74		0.60			0.0236			1.85		
0.58			0.61			0.0240			1.90		
0.60			0.64			0.0250			1.95		
	73		0.65			0.0256			2.00		
0.65			0.66			0.0260			2.05		
	72		0.70			0.0276			2.10		
0.70			0.71			0.0280			2.15		
	70		0.74			0.0292			2.20		
	69		0.75			0.0295			2.25		
0.75			0.79			0.0310			2.30		
	68		0.79			0.0312			2.35		
0.80			0.80			0.0315			2.40		
	1/32		0.81			0.0320			2.45		
			0.84			0.0330			2.50		
0.85			0.85			0.0335			2.55		
	65		0.89			0.0350			2.60		
0.90			0.90			0.0354			2.65		
			0.91			0.0360			2.70		
	64		0.94			0.0370			2.75		
0.95			0.95			0.0374			2.80		
	62		0.97			0.0380			2.85		
	61		0.99			0.0390			2.90		
1.00			1.00			0.0394			2.95		
			1.02			0.0400			3.00		
	60		1.04			0.0410			3.05		
1.05			1.05			0.0414			3.10		
	59		1.07			0.0420			3.15		
			1.09			0.0430			3.20		
1.10			1.10			0.0433			3.25		
1.15			1.15			0.0453			3.30		
			1.18			0.0465			3.35		
	3/64		1.19			0.0469			3.40		
1.20			1.20			0.0472			3.45		
1.25			1.25			0.0492			3.50		
1.30			1.30			0.0512			3.55		
	55		1.32			0.0520			3.60		
1.35			1.35			0.0532			3.65		
1.40			1.40			0.0550			3.70		
1.45			1.45			0.0571			3.75		
1.50			1.50			0.0591			3.80		
	53		1.51			0.0595			3.85		
1.55			1.55			0.0610			3.90		
	1/16		1.59			0.0625			3.95		
1.60			1.60			0.0630			4.00		
			1.61			0.0635			4.05		
1.65			1.65			0.0650			4.10		
1.70			1.70			0.0669			4.15		
	51		1.70			0.0670			4.20		
1.75			1.75			0.0689			4.25		
			1.78			0.0700			4.30		
1.80			1.80			0.0709			4.35		
1.85			1.85			0.0729			4.40		
	49		1.85			0.0730			4.45		
1.90			1.90			0.0748			4.50		
			1.93			0.0760			4.55		
1.95			1.95			0.0768			4.60		
	5/64		1.98			0.0781			4.65		
			1.99			0.0785			4.70		
2.00			2.00			0.0787			4.75		
2.05			2.05			0.0807			4.80		
			2.06			0.0810			4.85		
	46		2.08			0.0820			4.90		
	45		2.10			0.0827			4.95		
2.10			2.10			0.0827			5.00		
2.15			2.15			0.0847			5.05		
			2.18			0.0860			5.10		
2.20			2.20			0.0866			5.15		
2.25			2.25			0.0886			5.20		
	43		2.26			0.0890			5.25		
2.30			2.30			0.0906			5.30		
			2.18			0.0860			5.35		
2.20			2.20			0.0866			5.40		
2.25			2.25			0.0886			5.45		
	44		2.26			0.0890			5.50		
			2.30			0.0906			5.55		
			2.45			0.0965			5.60		
			2.50			0.0980			5.65		
2.50			2.50			0.0984			5.70		
			2.53			0.0995			5.75		
2.55			2.55			0.1004			5.80		
	39		2.58			0.1015			5.85		
	38		2.60			0.1024			5.90		
2.60			2.64			0.1040			5.95		
	37		2.65			0.1043			6.00		
2.65			2.70			0.1063			6.05		
2.70			2.71			0.1065			6.10		
	36		2.75			0.1083			6.15		
2.75			2.78			0.1094			6.20		
	7/64		2.79			0.1100			6.25		
2.80			2.80			0.1102			6.30		
			2.82			0.1110			6.35		
2.85			2.85			0.1122			6.40		
	34		2.87			0.1130			6.45		
2.90			2.90			0.1142			6.50		
	33		2.95			0.1160			6.55		
2.95			2.95			0.1162			6.60		
3.00			3.00			0.1181			6.65		
			3.05			0.1200			6.70		
3.10			3.10			0.1220			6.75		
	31		3.18			0.1250			6.80		
3.20			3.20			0.1260			6.85		
	1/8		3.26			0.1285			6.90		
3.30			3.30			0.1299			6.95		
3.40			3.40			0.1339			7.00		
			3.45			0.1360			7.05		
3.50			3.50			0.1378			7.10		
	29		3.57			0.1405			7.15		
			3.57			0.1406			7.20		
	9/64		3.60			0.1417			7.25		
3.60			3.66			0.1440			7.30		
			3.70			0.1457			7.35		
3.70			3.73			0.1470			7.40		
	26		3.80			0.1495			7.45		
	25		3.80			0.1496			7.50		
3.80			3.86			0.1520			7.55		
3.90			3.90			0.1535			7.60		
			3.91			0.1540			7.65		
			3.97			0.1562			7.70		
	5/32		3.99			0.1570			7.75		
4.00			4.00			0.1575			7.80		
			4.04			0.1590			7.85		
			4.09			0.1610			7.90		
4.10			4.10			0.1614			7.95		
4.20			4.20			0.1654			8.00		
			4.22			0.1660			8.05		
4.30			4.30			0.1693			8.10		
			4.31			0.1695			8.15		
	11/64		4.37			0.1719			8.20		
			4.39			0.1730			8.25		
4.40			4.40			0.1732			8.30		
			4.40			0.1770			8.35		
4.50			4.50			0.1772			8.40		
			4.57			0.1800			8.45		
4.60			4.60			0.1811			8.50		
			4.62			0.1820			8.55		
4.70			4.70			0.1850			8.60		
	14		4.76			0.1875			8.65		
	13		4.80			0.1890			8.70		
4.80			4.85			0.1910			8.75		
	3/16		4.90			0.1929			8.80		
4.90											



WEB THINNING

On most drills the web increases in thickness towards the shank with the result that, as the drill is shortened by repeated sharpening, the chisel edge will become wider.

As the chisel edge does not cut but forces the metal out of the way, too wide a chisel edge will result in more pressure required for penetration, leading to greater heat generation and a resultant loss of life.



CUTTING FLUIDS

The use of cutting fluids is an advantage in most drilling operations and essential in some. The two main functions of the cutting fluid are lubrication and cooling.

The purpose of lubrication is to reduce friction by lubricating the surfaces tool and work, to facilitate easier sliding of the chips up the flute and to prevent the chips welding to the cutting edges.

In production work, particularly when drilling deep holes, the cooling action of the fluid is often more important than the lubrication.

Overheating will shorten the life of the drill.

Intermittent feed on deep holes, where possible, not only clears the chips but permits more effective cooling.

SPEEDS

The speed of a drill is the rate at which the periphery of the drill moves in relation to the work being drilled.

As a rule, with a drill working within its speed range for a specific material, more holes between sharpenings will be achieved if the speed is reduced and less holes if the speed is increased. Thus, for each production run, a speed must be established which will result in the highest rate of production without excessive breakdown time or drill usage. The factors governing speed are: Component material, hardness of material, depth of hole, quality required, condition of drilling machine, efficiency of cutting fluid.

FEEDS

The feed of the drill is governed by the drill size and the component material.

As with speeds, an increase in feed will lessen the number of holes produced sharpening but it is essential that a constant feed be maintained. If a drill is allowed to dwell, breakdown of the cutting edges will result.

SMALL DRILL FEEDS & SPEEDS

Breakdown of small drills can most often be attributed to two faults: speed too high and feed too low.

A feed which will produce CHIPS not POWDER, coupled with a speed compatible with the strength of the drill is essential for small hole drilling. Feeds must be based on thickness of chip, not mm/min, and speeds adjusted accordingly. EXAMPLE: A 1mm drill is to operate at a feed of 0.013mm /rev, drilling steel.

While the material may permit a speed of 30m/min or 9,500 RPM it is obvious that the drill could not withstand a load of 0.013mm feed at this speed; a penetration rate of 124mm/min. The correct procedure is to retain the feed but reduce the speed to obtain a penetration within the capacity of the strength of the drill.

DEEP HOLE DRILLING

When drilling deep holes, speeds and feeds should be reduced as follows:

Depth of Hole	Reduction Percent %	
	Speed	Feed
3 times drill diameter	10	10
4 times drill diameter	30	10
5 times drill diameter	30	20
6 to 8 times drill diameter	35 to 40	20

Drills Jobber Sets – Metric

sutton



D101SM1

D101SM2

D101SM3

D101MTLSM2

D101MTLSM3

D101SM7



D102SM1

D102SM2

D102SM3

D102SM30

D102SM41



D102SM99



D102SM101



D105SLV7M

D105SLV10M

D105SLV13M

D105V2M

D105V3M



D105VRKM2



D105VRKM3



D180SM2

D180SM3

D109SM2

D109SM3

Drills Jobber Sets – Metric



Silver Bullet Drills
General purpose drill bit designed for machine and hand held drilling in a wide range of ferrous and non-ferrous materials.



Blue Bullet Drills
The blue finish reduces chip build up on the cutting edge and is a better choice when drilling ferrous materials.



Viper Drills
The Viper bit point design is 118° split point self-centring. It minimises wandering when starting and requires less power when drilling.



INOX Drills
Industrial quality drilling solution specially designed for superior performance in stainless steel.



Heavy Duty Cobalt Drills
Industrial quality drill bit for drilling materials that have higher hardness and tensile strength such as cast iron, bronze, hard steel and stainless steel.

Description	Drill Sizes	Case	Pieces	Item #	Barcode
Silver Bullet Drill Sets					D101
SM1	1.5 – 6.5mm x 0.5mm rises + 3.2mm, 4.8mm	Plastic	13	D101SM1	9311963001661
SM2	1.0 – 10.0mm x 0.5mm rises	ABS	19	D101SM2	9311963001258
SM3	1.0 – 13.0mm x 0.5mm rises	ABS	25	D101SM3	9311963000718
MTLSM2	1.0 – 10.0mm x 0.5mm rises	Metal	19	D101MTLSM2	9311963601199
MTLSM3	1.0 – 13.0mm x 0.5mm rises	Metal	25	D101MTLSM3	9311963601205
Drill Stands					
SM7	1.0 – 3.0mm x 0.25mm rises, 3.5 – 13.0mm x 0.5mm rises	Metal	1	D101SM7	9311963004334
Blue Bullet Drill Sets					D102
SM1	1.5 – 6.5mm x 0.5mm rises + 3.2mm, 4.8mm	Plastic	13	D102SM1	9311963047034
SM2	1.0 – 10.0mm x 0.5mm rises	ABS	19	D102SM2	9311963047041
SM3	1.0 – 13.0mm x 0.5mm rises	ABS	25	D102SM3	9311963047058
SM30	1.0 – 5.9mm x 0.1mm rises	Metal	50	D102SM30	9311963006987
SM41	6.0 – 10.0mm x 0.1mm rises	Metal	41	D102SM41	9311963034973
SM99	1.0 – 10.0mm x 0.1mm rises (Plus 10.5, 10.9, 11.0, 11.5, 11.9, 12.0, 12.5, 12.9, 13.0mm)	Plastic	100	D102SM99	9311963334738
SM101	1.0 – 10.0mm x 0.5mm rises (Plus BONUS 25ml Venom Cutting Paste)	Plastic	101	D102SM101	9311963622026
Viper Drill Sets					D105
SLV7M	1.5, 2.0, 3.0, 4.0, 5.0, 5.5, 6.0mm	Plastic	7	D105SLV7M	9311963375045
SLV10M	1.0 – 10.0mm x 1.0mm rises	Plastic	10	D105SLV10M	9311963375052
SLV13M	1.5 – 6.5mm x 0.5mm rises + 3.2mm, 4.8mm	Plastic	13	D105SLV13M	9311963375069
V2M	1.0 – 10.0mm x 0.5mm rises	ABS	19	D105V2M	9311963374994
V3M	1.0 – 13.0mm x 0.5mm rises (10.5 – 13.0mm x 10.0mm shanks)	ABS	25	D105V3M	9311963358215
Viper Refill Kits					
VRKM2	1.5 – 3.5mm x 0.5mm rises	Tray	5	D105VRKM2	9311963637419
VRKM3	1.5, 2.0, 3.0, 4.0, 5.0mm	Tray	5	D105VRKM3	9311963637426
INOX Drill Sets					D180
SM2	1.0 – 10.0mm x 0.5mm rises	ABS	19	D180SM2	9311963512693
SM3	1.0 – 13.0mm x 0.5mm rises	ABS	25	D180SM3	9311963512709
Heavy Duty Cobalt Drill Sets					D109
SM2	1.0 – 10.0mm x 0.5mm rises	ABS	19	D109SM2	9311963122021
SM3	1.0 – 13.0mm x 0.5mm rises	ABS	25	D109SM3	9311963122038

Drills Jobber Sets – Imperial



D101S2



D101S3



D101MTLS2



D101MTLS3



D101S30



D101S31



D102S2



D102S3



D105V2



D105V3



D109S2



D109S3



Silver Bullet Drills

General purpose drill bit designed for machine and hand held drilling in a wide range of ferrous and non-ferrous materials.



Blue Bullet Drills

The blue finish reduces chip build up on the cutting edge and is a better choice when drilling ferrous materials.



Viper Drills

The Viper bit point design is 118° split point self-centring. It minimises wandering when starting and requires less power when drilling.

Description	Drill Sizes	Case	Pieces	Item #	Barcode
Silver Bullet Drill Sets					D101
S2	1/16 – 3/8 x 1/64 rises	ABS	21	D101S2	9311963000343
S3	1/16 – 1/2 x 1/64 rises	ABS	29	D101S3	9311963000060
MTLS2	1/16 – 3/8 x 1/64 rises	Metal	21	D101MTLS2	9311963601168
MTLS3	1/16 – 1/2 x 1/64 rises	Metal	29	D101MTLS3	9311963601175
S30	#1 – #60 Wire Gauge	Metal	60	D101S30	9311963006079
S31	#61 – #80 Wire Gauge	Plastic	20	D101S31*	9311963007847
Blue Bullet Drill Sets					D102
S2	1/16 – 3/8 x 1/64 rises	ABS	21	D102S2	9311963034997
S3	1/16 – 1/2 x 1/64 rises	ABS	29	D102S3	9311963028828
Viper Drill Sets					D105
V2	1/16 – 3/8 x 1/64 rises	ABS	21	D105V2	9311963374987
Heavy Duty Cobalt Drill Sets					D109
S2	1/16 – 3/8 x 1/64 rises	ABS	21	D109S2	9311963100265
S3	1/16 – 1/2 x 1/64 rises	ABS	29	D109S3	9311963100272

* Not available once current stock is depleted

Drills Jobber & Multi-tool Sets



High Speed Steel



166044639



166044641



166044642



165399200



149060004



149060006



149060015



149060016

Titanium Nitride (TiN) Coated Tip



150BOWS2M



150BOWS3M

Multi-Tool Sets



166044675



166044676



166044677



166044678



166044679



166044680

Drills Jobber & Multi-tool Sets



High Speed Steel

General purpose drill bit designed for machine and hand held drilling in metal, wood and plastic.

Description	Drill Sizes	Case	Pieces	Item #	Barcode
HSS Drill Sets - Metric					
M1	1.5 – 6.5mm x 0.5mm rises plus 3.3 & 4.2mm	Plastic	13	166044639	9311744446391
M2	1.0 – 10mm x 0.5mm rises	Plastic	19	166044641	9311744446414
M3	1.0 – 13mm x 0.5mm rises	Plastic	25	166044642	9311744446421
HSS Bright Drill Set - Metric & Imperial					
200	Metric Sizes: 1.0 – 6.0mm x 0.5mm rises + 3.2, 4.2, 8.0, 10.0, 12.0mm Imperial Sizes: 5/64 – 7/32 x 1/64 rises + 1/4, 5/16, 3/8, 1/2	Plastic	200	165399200	9311744446049
HSS Drill Set + BONUS Countersink					
0004	Bright: 2, 2.5, 3 x 2, 3.2, 3.5, 4 x 2, 4.2, 4.5, 5 x 2, 5.5, 6, 6.5, 6.8, 7, 7.5, 8, 8.5, 9, 10, 11, 12, 13mm + Countersink: 16.5mm	Plastic	25	149060004	9311744445813
0006	Cobalt: 2, 2.5, 3 x 2, 3.2, 3.5, 4 x 2, 4.2, 4.5, 5 x 2, 5.5, 6, 6.5, 6.8, 7, 7.5, 8, 8.5, 9, 10, 11, 12, 13mm + Countersink: 16.5mm	Plastic	25	149060006	9311744445837
HSS Drill Set + BONUS Step Drill					
0015	Bright: 2.0 – 10mm x 0.5mm rises + 3.3mm, 4.2mm, 6.8mm + Step Drill: 9 Steps; 4, 6, 8, 10, 12, 14, 16, 18, 20mm	Plastic	19	149060015	9311744446063
0016	Cobalt: 2.0 – 10mm x 0.5mm rises + 3.3mm, 4.2mm, 6.8mm + Step Drill: 9 Steps; 4, 6, 8, 10, 12, 14, 16, 18, 20mm	Plastic	19	149060016	9311744446117
HSS Drill Set + BONUS Countersink					
0004	Bright: 2, 2.5, 3 x 2, 3.2, 3.5, 4 x 2, 4.2, 4.5, 5 x 2, 5.5, 6, 6.5, 6.8, 7, 7.5, 8, 8.5, 9, 10, 11, 12, 13mm + Countersink: 16.5mm	Plastic	25	149060004	9311744445813
0006	Cobalt: 2, 2.5, 3 x 2, 3.2, 3.5, 4 x 2, 4.2, 4.5, 5 x 2, 5.5, 6, 6.5, 6.8, 7, 7.5, 8, 8.5, 9, 10, 11, 12, 13mm + Countersink: 16.5mm	Plastic	25	149060006	9311744445837
HSS Drill Set + BONUS Step Drill					
0015	Bright: 2.0 – 10mm x 0.5mm rises + 3.3mm, 4.2mm, 6.8mm + Step Drill: 9 Steps; 4, 6, 8, 10, 12, 14, 16, 18, 20mm	Plastic	19	149060015	9311744446063
0016	Cobalt: 2.0 – 10mm x 0.5mm rises + 3.3mm, 4.2mm, 6.8mm + Step Drill: 9 Steps; 4, 6, 8, 10, 12, 14, 16, 18, 20mm	Plastic	19	149060016	9311744446117
HSS TiN Coated Tip Drill Sets					
WS2M	1.0 – 10.0mm x 0.5mm rises	Plastic	19	150B0WS2M	9311744439089
WS3M	1.0 – 13.0mm x 0.5mm rises	Plastic	25	150B0WS3M	9311744439096

P&N Multi-Tool Sets

An assembly of special tools designed for specific projects, and general purpose use in a range of applications, these sets cover drilling, tapping, countersinking, deburring and screw extracting. Suitable for metal working applications.

Description	Contents	Shank	Pieces	Item #	Barcode
Multi-tool Sets					
Quick Change HSS Drill Set	6 x HSS Stubby Drills: 3, 4, 5, 6, 8, 10mm	1/4" Hex	6	166044675	9311744446902
Quick Change Combo HSS Tap & Drill Set	6 x Combo Tap & Drills (Metric Course): M3 x 0.5(2.5), M4 x 0.7(3.3), M5 x 0.8(4.2), M6 x 1(5.0), M8 x 1.25(6.8) & M10 x 1.5(9.0), Quick-Change Holder	1/4" Hex	6	166044676	9311744446919
Quick Change HSS Countersink Set	4 x HSS Countersinks: 8.3, 10.4, 12.4, 16.5mm	1/4" Hex	4	166044677	9311744446926
HSS Countersink & Deburring Tool Set	4 x HSS Countersinks: 8.3, 10.4, 12.4, 16.5mm		5	166044678	9311744446933
Screw Extractor Set	Screw Extractors: #1, #2, #3, #4, #5 & #2 X-OUT	Square	6	166044679	9311744446940
Carbide Burr Set	5 x Carbide Burrs: Cylindrical (Square), Cylindrical (Radius), Tree (Pointed), Flame & Ball	1/4"	5	166044680	9311744447152

Drills Jobber Sets, DIY Range



Frost new and improved general purpose drill bits are designed for machine and handheld drilling in metal wood and plastic. 118° Ground from Solid High Speed Steel for durability. Stable display case for easy access to drill bits in any tool room.



Description	Drill Sizes	Case	Pieces	Item #	Barcode
HSS Drill Sets - Metric					
M1	1.5 – 6.5mm x 0.5mm rises plus 3.3 & 4.2mm	Plastic	13	92256	9312621922564
M2	1.0 – 10mm x 0.5mm rises	ABS	19	92596	9312621925961
M3	1.0 – 13mm x 0.5mm rises	ABS	25	92597	9312621925978
HSS Drill Sets - Imperial					
F2	1/16 – 3/8" x 64th rises	ABS	21	92594	9312621925947
F3	1/16 – 1/2" x 64th rises	ABS	29	92595	9312621925954

Drills Jobber Bulk Pack – Silver Bullet



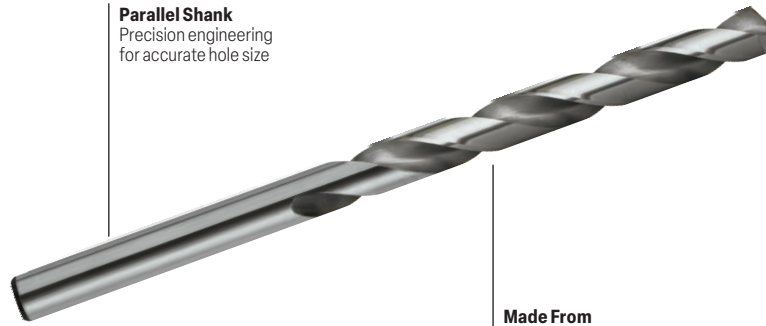
General purpose drill bit designed for machine and hand held drilling in a wide range of ferrous and non-ferrous materials.

118° Standard Point
Common point for general purpose applications



Bulk Pack

Parallel Shank
Precision engineering for accurate hole size



Made From High Speed Steel

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Metric - Bulk Pack				D101	
0.35	19	4	10	D1010035	9311963014500
0.40	20	5	10	D1010040	9311963024929
0.45	20	5	10	D1010045	9311963011257
0.50	22	6	10	D1010050	9311963007250
0.55	24	7	10	D1010055	9311963014524
0.60	24	7	10	D1010060	9311963008813
0.65	26	8	10	D1010065	9311963009070
0.70	28	9	10	D1010070	9311963005713
0.75	28	9	10	D1010075	9311963010311
0.80	30	10	10	D1010080	9311963005324
0.85	30	10	10	D1010085	9311963016320
0.90	32	11	10	D1010090	9311963009087
0.95	32	11	10	D1010095	9311963020051
1.00	34	12	10	D1010100	9311963001487
1.05	34	12	10	D1010105	9311963012889
1.10	36	14	10	D1010110	9311963004815
1.15	36	14	10	D1010115	9311963018430
1.20	38	16	10	D1010120	9311963005102
1.25	38	16	10	D1010125	9311963009810
1.30	38	16	10	D1010130	9311963005270
1.35	38	16	10	D1010135	9311963022833
1.40	40	18	10	D1010140	9311963008028
1.45	40	18	10	D1010145	9311963014210
1.50	40	18	10	D1010150	9311963001999
1.55	40	18	10	D1010155	9311963018447
1.60	43	20	10	D1010160	9311963004822
1.65	43	20	10	D1010165	9311963012896
1.70	43	20	10	D1010170	9311963006925
1.75	43	20	10	D1010175	9311963011561
1.80	46	22	10	D1010180	9311963006680
1.85	46	22	10	D1010185	9311963019741
1.90	46	22	10	D1010190	9311963005645
1.95	46	22	10	D1010195	9311963014227
2.00	49	24	10	D1010200	9311963001364
2.05	49	24	10	D1010205	9311963010588
2.10	49	24	10	D1010210	9311963005423
2.15	49	24	10	D1010215	9311963021218
2.20	53	27	10	D1010220	9311963005119
2.25	53	27	10	D1010225	9311963008448
2.30	53	27	10	D1010230	9311963006246
2.35	53	27	10	D1010235	9311963015101
2.40	57	30	10	D1010240	9311963005805
2.45	57	30	10	D1010245	9311963026497

Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Metric - Bulk Pack				D101	
2.50	57	30	10	D1010250	9311963001210
2.55	57	30	10	D1010255	9311963015118
2.60	57	30	10	D1010260	9311963005652
2.65	57	30	10	D1010265	9311963017129
2.70	61	33	10	D1010270	9311963007441
2.75	61	33	10	D1010275	9311963011011
2.80	61	33	10	D1010280	9311963005669
2.85	61	33	10	D1010285	9311963021225
2.90	61	33	10	D1010290	9311963004389
2.95	61	33	10	D1010295	9311963028620
3.00	61	33	10	D1010300	9311963001159
3.10	65	36	10	D1010310	9311963004488
3.20	65	36	10	D1010320	9311963002750
3.30	65	36	10	D1010330	9311963001784
3.40	70	39	10	D1010340	9311963004587
3.50	70	39	10	D1010350	9311963001326
3.60	70	39	10	D1010360	9311963005812
3.70	70	39	10	D1010370	9311963002569
3.80	75	43	10	D1010380	9311963003788
3.90	75	43	10	D1010390	9311963007168
4.00	75	43	10	D1010400	9311963000732
4.10	75	43	10	D1010410	9311963004839
4.20	75	43	10	D1010420	9311963002026
4.30	80	47	10	D1010430	9311963004594
4.40	80	47	10	D1010440	9311963006253
4.50	80	47	10	D1010450	9311963002309
4.60	80	47	10	D1010460	9311963008677
4.70	80	47	10	D1010470	9311963009353
4.80	86	52	10	D1010480	9311963004051
4.90	86	52	10	D1010490	9311963005676
5.00	86	52	10	D1010500	9311963000480
5.10	86	52	10	D1010510	9311963003887
5.20	86	52	10	D1010520	9311963004846
5.30	86	52	10	D1010530	9311963006932
5.40	93	57	10	D1010540	9311963010151
5.50	93	57	10	D1010550	9311963002927
5.60	93	57	10	D1010560	9311963006451
5.70	93	57	10	D1010570	9311963010168
5.80	93	57	10	D1010580	9311963009360
5.90	93	57	10	D1010590	9311963006697
6.00	93	57	10	D1010600	9311963000886
6.10	101	63	10	D1010610	9311963007175
6.20	101	63	10	D1010620	9311963008455

Drills Jobber Bulk Pack – Silver Bullet



General purpose drill bit designed for machine and hand held drilling in a wide range of ferrous and non-ferrous materials.

118° Standard Point
Common point for general purpose applications

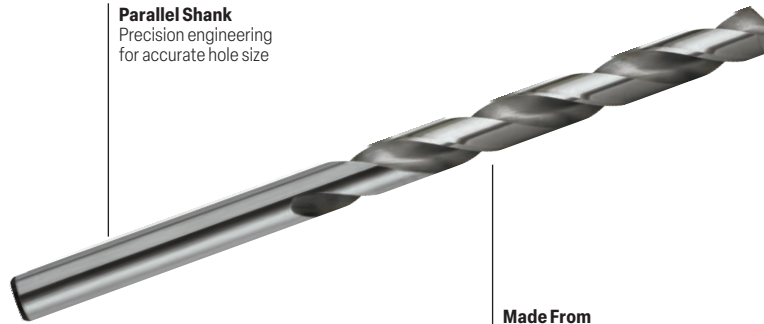


Bulk Pack



Hang Pack

Parallel Shank
Precision engineering for accurate hole size



Made From High Speed Steel

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Metric - Bulk Pack				D101	
6.30	101	63	10	D1010630	9311963006949
6.40	101	63	10	D1010640	9311963006703
6.50	101	63	10	D1010650	9311963001562
6.60	101	63	10	D1010660	9311963005829
6.70	101	63	10	D1010670	9311963007458
6.80	109	69	10	D1010680	9311963002767
6.90	109	69	10	D1010690	9311963005683
7.00	109	69	10	D1010700	9311963001739
7.10	109	69	10	D1010710	9311963012902
7.20	109	69	10	D1010720	9311963009377
7.30	109	69	10	D1010730	9311963019758
7.40	109	69	10	D1010740	9311963014234
7.50	109	69	10	D1010750	9311963003528
7.60	117	75	5	D1010760	9311963011028
7.70	117	75	5	D1010770	9311963017136
7.80	117	75	5	D1010780	9311963011578
7.90	117	75	5	D1010790	9311963009827
8.00	117	75	5	D1010800	9311963001494
8.10	117	75	5	D1010810	9311963008981
8.20	117	75	5	D1010820	9311963006710
8.30	117	75	5	D1010830	9311963008462
8.40	117	75	5	D1010840	9311963007182
8.50	117	75	5	D1010850	9311963002484
8.60	125	81	5	D1010860	9311963006727
8.70	125	81	5	D1010870	9311963015958
8.80	125	81	5	D1010880	9311963006956
8.90	125	81	5	D1010890	9311963019765
9.00	125	81	5	D1010900	9311963002934
9.10	125	81	5	D1010910	9311963019772
9.20	125	81	5	D1010920	9311963014241
9.30	125	81	5	D1010930	9311963012919
9.40	125	81	5	D1010940	9311963012926
9.50	125	81	5	D1010950	9311963003085
9.60	133	87	5	D1010960	9311963006468
9.70	133	87	5	D1010970	9311963014258
9.80	133	87	5	D1010980	9311963007199
9.90	133	87	5	D1010990	9311963015125
10.00	133	87	5	D1011000	9311963001043
10.10	133	87	5	D1011010	9311963015965
10.20	133	87	5	D1011020	9311963004396
10.30	133	87	5	D1011030	9311963012148
10.40	133	87	5	D1011040	9311963011585
10.50	133	87	5	D1011050	9311963001920

Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Metric - Bulk Pack				D101	
10.60	133	87	5	D1011060	9311963017143
10.70	142	94	5	D1011070	9311963024493
10.80	142	94	5	D1011080	9311963010175
10.90	142	94	5	D1011090	9311963017150
11.00	142	94	5	D1011100	9311963002194
11.10	142	94	5	D1011110	9311963024509
11.20	142	94	5	D1011120	9311963010595
11.30	142	94	5	D1011130	9311963021232
11.40	142	94	5	D1011140	9311963021249
11.50	142	94	5	D1011150	9311963002866
11.60	142	94	5	D1011160	9311963024516
11.70	142	94	5	D1011170	9311963026503
11.80	142	94	5	D1011180	9311963017167
11.90	142	94	5	D1011190	9311963015972
12.00	151	101	5	D1011200	9311963001654
12.10	151	101	5	D1011210	9311963028637
12.20	151	101	5	D1011220	9311963012933
12.30	151	101	5	D1011230	9311963018454
12.40	151	101	5	D1011240	9311963022840
12.50	151	101	5	D1011250	9311963002941
12.60	151	101	5	D1011260	9311963022857
12.70	151	101	5	D1011270	9311963021256
12.80	151	101	5	D1011280	9311963015989
12.90	151	101	5	D1011290	9311963018461
13.00	151	101	5	D1011300	9311963002415
Metric - Hang Pack				D104	
1.5	40	18	10	D1040150	9311963551869
2.0	49	24	10	D1040200	9311963141565
2.5	57	30	10	D1040250	9311963551876
3.0	61	33	10	D1040300	9311963141572
3.5	70	39	10	D1040350	9311963551883
4.0	75	43	10	D1040400	9311963141596
5.0	86	52	5	D1040500	9311963141862
6.0	93	57	5	D1040600	9311963141879
6.5	101	63	5	D1040650	9311963551890

Drills Jobber Bulk Pack – Silver Bullet



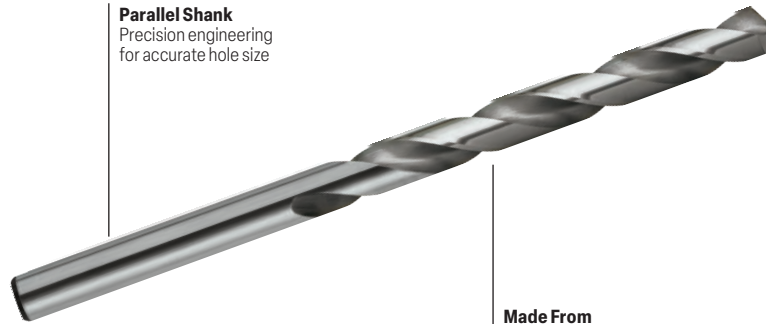
General purpose drill bit designed for machine and hand held drilling in a wide range of ferrous and non-ferrous materials.

118° Standard Point
Common point for general purpose applications



Bulk Pack

Parallel Shank
Precision engineering for accurate hole size



Made From High Speed Steel

Application

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- Automotive
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Diameter inch	mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Imperial - Bulk Pack					D101	
#80	0.34	19	3	10	D1010034	9311963013619
#79	0.37	19	3	10	D1010037	9311963021591
1/64	0.4	19	5	10	D1010039	9311963005317
#78	0.41	22	5	10	D1010041	9311963023182
#77	0.46	22	5	10	D1010046	9311963029252
#76	0.51	22	5	10	D1010051	9311963014494
#75	0.53	25	6	10	D1010053	9311963024912
#74	0.57	25	6	10	D1010057	9311963023175
#73	0.61	29	8	10	D1010061	9311963023168
#72	0.63	29	8	10	D1010063	9311963017495
#71	0.66	32	10	10	D1010066	9311963026848
#70	0.71	32	10	10	D1010071	9311963016313
#69	0.74	35	13	10	D1010074	9311963013602
#68	0.79	35	13	10	D1010078	9311963021584
1/32	0.79	35	13	10	D1010079	9311963002460
#67	0.81	35	13	10	D1010081	9311963018737
#66	0.84	35	13	10	D1010084	9311963023151
#65	0.89	38	16	10	D1010089	9311963017488
#64	0.91	38	16	10	D1010091	9311963024905
#63	0.94	38	16	10	D1010094	9311963035512
#62	0.96	38	16	10	D1010096	9311963021577
#61	0.99	41	17	10	D1010099	9311963024899
#60	1.02	41	17	10	D1010102	9311963009940
#59	1.04	41	17	10	D1010104	9311963015378
#58	1.07	41	17	10	D1010107	9311963011240
#57	1.09	44	19	10	D1010109	9311963011745
#56	1.18	44	19	10	D1010118	9311963008806
3/64	1.19	44	19	10	D1010119	9311963002477
#55	1.32	48	22	10	D1010132	9311963009933

Diameter inch	mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Imperial - Bulk Pack					D101	
#54	1.4	48	22	10	D1010139	9311963014487
#53	1.51	48	22	10	D1010151	9311963011738
1/16	1.59	48	22	10	D1010159	9311963000411
#52	1.61	48	22	10	D1010161	9311963009063
#51	1.7	51	25	10	D1010171	9311963014470
#50	1.78	51	25	10	D1010178	9311963013039
#49	1.85	51	25	10	D1010184	9311963016306
#48	1.93	51	25	10	D1010193	9311963016290
5/64	1.98	51	25	10	D1010198	9311963000473
#47	1.99	51	25	10	D1010199	9311963018720
#46	2.06	54	29	10	D1010206	9311963015361
#45	2.08	54	29	10	D1010208	9311963016283
#44	2.18	54	29	10	D1010218	9311963009926
#43	2.26	57	32	10	D1010226	9311963017471
#42	2.37	57	32	10	D1010237	9311963020037
3/32	2.38	57	32	10	D1010238	9311963000138
#41	2.44	60	35	10	D1010244	9311963012353
#40	2.49	60	35	10	D1010249	9311963062396
#39	2.53	60	35	10	D1010253	9311963062402
#38	2.58	64	37	10	D1010258	9311963062419
#37	2.64	64	37	10	D1010264	9311963062426
#36	2.7	64	37	10	D1010271	9311963062433
7/64	2.78	67	38	10	D1010278	9311963000190
#35	2.79	67	38	10	D1010279	9311963062440
#34	2.82	67	38	10	D1010282	9311963062457
#33	2.87	67	38	10	D1010287	9311963062464
#32	2.95	70	41	10	D1010294	9311963062471
#31	3.05	70	41	10	D1010305	9311963062488
1/8	3.18	70	41	10	D1010318	9311963000022

Drills Jobber Bulk Pack – Silver Bullet



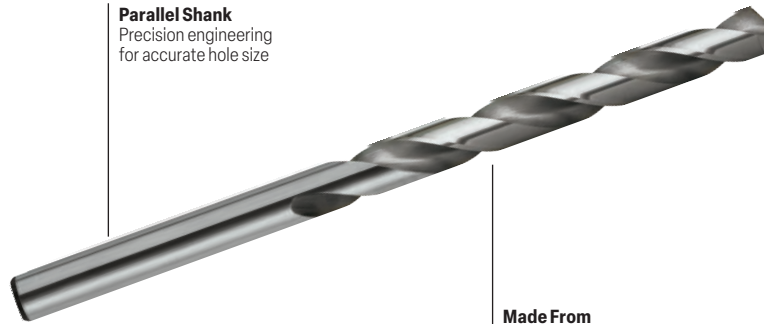
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Common point for general purpose applications



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Application

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Diameter inch	mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Imperial - Bulk Pack					D101	
#30	3.26	70	41	10	D1010326	9311963003078
#29	3.45	73	44	10	D1010345	9311963062495
9/64	3.57	73	44	10	D1010357	9311963000152
#27	3.66	76	48	10	D1010366	9311963062518
#26	3.73	76	48	10	D1010373	9311963062525
#25	3.8	76	48	10	D1010379	9311963062532
#24	3.86	79	51	10	D1010386	9311963062549
#23	3.91	79	51	10	D1010391	9311963062556
5/32	3.97	79	51	10	D1010397	9311963000084
#22	3.99	79	51	10	D1010399	9311963062563
#21	4.04	83	54	10	D1010404	9311963062570
#20	4.09	83	54	10	D1010409	9311963008660
#19	4.22	83	54	10	D1010422	9311963062587
#18	4.3	83	54	10	D1010431	9311963062594
11/64	4.37	83	54	10	D1010437	9311963000336
#17	4.39	86	56	10	D1010439	9311963062600
#16	4.5	86	56	10	D1010449	9311963062617
#15	4.57	86	56	10	D1010457	9311963062624
#14	4.62	86	56	10	D1010462	9311963062631
#13	4.7	89	59	10	D1010469	9311963062648
3/16	4.76	89	59	10	D1010476	9311963000046
#12	4.8	89	59	10	D1010481	9311963062655
#11	4.85	89	59	10	D1010485	9311963005096
#10	4.91	92	62	10	D1010491	9311963062662
#9	4.98	92	62	10	D1010498	9311963062679
#7	5.1	92	62	10	D1010511	9311963062693
13/64	5.16	92	62	10	D1010516	9311963000244
#6	5.18	95	64	10	D1010518	9311963062709
#5	5.22	95	64	10	D1010522	9311963062716

Diameter inch	mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Imperial - Bulk Pack					D101	
#4	5.31	95	64	10	D1010531	9311963062723
#3	5.41	95	64	10	D1010541	9311963062730
7/32	5.56	95	64	10	D1010556	9311963000435
#2	5.61	98	67	10	D1010561	9311963062747
#1	5.79	98	67	10	D1010579	9311963062754
15/64	5.95	98	67	10	D1010595	9311963000862
1/4	6.35	102	70	10	D1010635	9311963000039
17/64	6.75	105	73	10	D1010676	9311963000602
9/32	7.14	108	75	10	D1010714	9311963000695
19/64	7.54	111	78	5	D1010754	9311963002156
5/16	7.94	114	81	5	D1010794	9311963000305
21/64	8.33	117	84	5	D1010833	9311963001524
11/32	8.73	121	87	5	D1010873	9311963000954
23/64	9.13	124	89	5	D1010913	9311963001616
3/8	9.52	127	92	5	D1010953	9311963000121
25/64	9.92	130	95	5	D1010992	9311963001203
13/32	10.32	133	98	5	D1011032	9311963000756
27/64	10.72	137	100	5	D1011072	9311963001982
7/16	11.11	140	103	5	D1011111	9311963000664
29/64	11.51	143	106	5	D1011151	9311963002101
15/32	11.91	146	110	5	D1011191	9311963001432
31/64	12.3	149	111	5	D1011231	9311963001869
1/2	12.7	152	114	5	D1011269	9311963000206

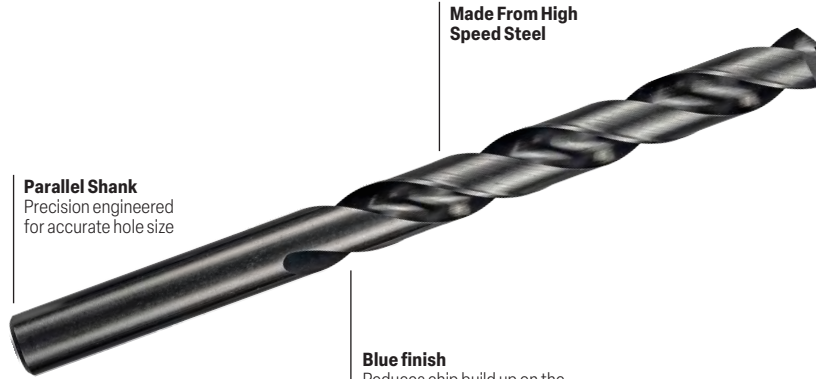
Drills Jobber Bulk Pack – Blue Bullet



General purpose drill bit designed for machine and hand held drilling in ferrous metals, wood and plastic.



Bulk Pack



Parallel Shank
Precision engineered for accurate hole size

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Blue finish
Reduces chip build up on the cutting edge

118° Standard Point
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Application

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Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Metric - Bulk Pack					
D102					
1.00	34	12	10	D1020100	9311963071831
1.05	34	12	10	D1020105	9311963095486
1.10	36	14	10	D1020110	9311963076614
1.15	36	14	10	D1020115	9311963097565
1.20	38	16	10	D1020120	9311963039015
1.25	38	16	10	D1020125	9311963028644
1.30	38	16	10	D1020130	9311963026510
1.40	40	18	10	D1020140	9311963045627
1.45	40	18	10	D1020145	9311963045634
1.50	40	18	10	D1020150	9311963034652
1.55	43	20	10	D1020155	9311963045641
1.60	43	20	10	D1020160	9311963045658
1.65	43	20	10	D1020165	9311963045665
1.70	43	20	10	D1020170	9311963045672
1.75	43	20	10	D1020175	9311963045689
1.80	46	22	10	D1020180	9311963045696
1.90	46	22	10	D1020190	9311963045719
1.95	46	22	10	D1020195	9311963045726
2.00	49	24	10	D1020200	9311963031484
2.05	49	24	10	D1020205	9311963045733
2.10	49	24	10	D1020210	9311963045740
2.15	53	27	10	D1020215	9311963045757
2.20	53	27	10	D1020220	9311963045764
2.25	53	27	10	D1020225	9311963045771
2.30	53	27	10	D1020230	9311963045788
2.35	53	27	10	D1020235	9311963039022
2.45	57	30	10	D1020245	9311963022864
2.50	57	30	10	D1020250	9311963026527
2.55	57	30	10	D1020255	9311963031491
2.60	57	30	10	D1020260	9311963034669
2.65	57	30	10	D1020265	9311963045795
2.70	61	33	10	D1020270	9311963045801
2.75	61	33	10	D1020275	9311963045818
2.80	61	33	10	D1020280	9311963045825
2.90	61	33	10	D1020290	9311963039039
2.95	61	33	10	D1020295	9311963039046
3.00	61	33	10	D1020300	9311963018478
3.10	65	36	10	D1020310	9311963028651
3.20	65	36	10	D1020320	9311963045849
3.30	65	36	10	D1020330	9311963045856
3.40	70	39	10	D1020340	9311963028668
3.50	70	39	10	D1020350	9311963019789
3.60	70	39	10	D1020360	9311963031507

Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Metric - Bulk Pack					
D102					
3.70	70	39	10	D1020370	9311963045863
3.80	75	43	10	D1020380	9311963028675
3.90	75	43	10	D1020390	9311963039053
4.00	75	43	10	D1020400	9311963019796
4.10	75	43	10	D1020410	9311963045870
4.20	75	43	10	D1020420	9311963045887
4.25	75	43	10	D1020425	9311963414362
4.30	80	47	10	D1020430	9311963045894
4.40	80	47	10	D1020440	9311963045900
4.50	80	47	10	D1020450	9311963034676
4.60	80	47	10	D1020460	9311963039060
4.70	80	47	10	D1020470	9311963028682
4.80	86	52	10	D1020480	9311963045917
4.90	86	52	10	D1020490	9311963034683
5.00	86	52	10	D1020500	9311963034690
5.20	86	52	10	D1020520	9311963039084
5.30	86	52	10	D1020530	9311963034706
5.4	93	57	10	D1020540	9311963034713
5.5	93	57	10	D1020550	9311963045924
5.60	93	57	10	D1020560	9311963039091
5.70	93	57	10	D1020570	9311963045931
5.80	93	57	10	D1020580	9311963039107
5.90	93	57	10	D1020590	9311963045948
6.00	93	57	10	D1020600	9311963028699
6.10	101	63	10	D1020610	9311963026534
6.30	101	63	10	D1020630	9311963045955
6.40	101	63	10	D1020640	9311963045962
6.50	101	63	10	D1020650	9311963028705
6.60	101	63	10	D1020660	9311963045979
6.70	101	63	10	D1020670	9311963031514
6.80	109	69	10	D1020680	9311963045986
6.90	109	69	10	D1020690	9311963045993
7.00	109	69	10	D1020700	9311963039114
7.10	109	69	10	D1020710	9311963039121
7.20	109	69	10	D1020720	9311963031521
7.30	109	69	10	D1020730	9311963034720
7.40	109	69	10	D1020740	9311963046006
7.50	109	69	10	D1020750	9311963046013
7.60	117	75	5	D1020760	9311963046020
7.70	117	75	5	D1020770	9311963031538
7.80	117	75	5	D1020780	9311963034737
7.90	117	75	5	D1020790	9311963039138
8.00	117	75	5	D1020800	9311963031545

Drills Jobber Bulk Pack – Blue Bullet

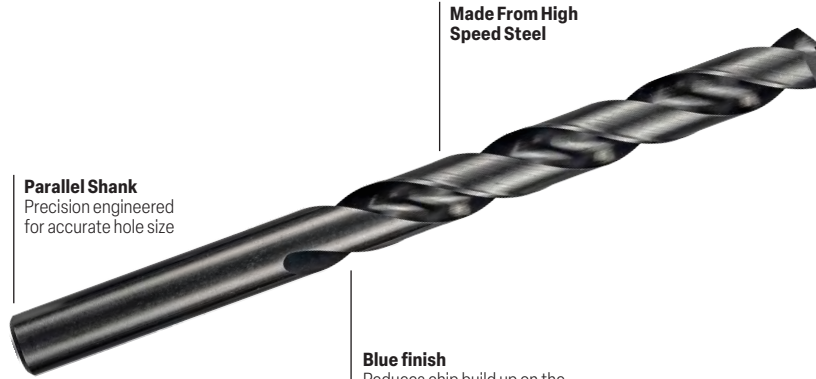


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Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Metric - Bulk Pack					
D102					
8.10	117	75	5	D1020810	9311963046037
8.20	117	75	5	D1020820	9311963046044
8.30	117	75	5	D1020830	9311963046051
8.40	117	75	5	D1020840	9311963046068
8.50	117	75	5	D1020850	9311963046075
8.60	125	81	5	D1020860	9311963031552
8.70	125	81	5	D1020870	9311963039145
8.80	125	81	5	D1020880	9311963046082
8.90	125	81	5	D1020890	9311963046099
9.00	125	81	5	D1020900	9311963031569
9.10	125	81	5	D1020910	9311963034744
9.20	125	81	5	D1020920	9311963046105
9.30	125	81	5	D1020930	9311963046112
9.40	125	81	5	D1020940	9311963046129
9.50	125	81	5	D1020950	9311963046136
9.60	133	87	5	D1020960	9311963046143
9.70	133	87	5	D1020970	9311963034751
9.80	133	87	5	D1020980	9311963046150
9.90	133	87	5	D1020990	9311963046167
10.00	133	87	5	D1021000	9311963024530
10.10	133	87	5	D1021010	9311963046174
10.20	133	87	5	D1021020	9311963028712
10.30	133	87	5	D1021030	9311963046181
10.40	133	87	5	D1021040	9311963046198
10.50	133	87	5	D1021050	9311963046204
10.60	133	87	5	D1021060	9311963046211
10.70	142	94	5	D1021070	9311963046228
10.80	142	94	5	D1021080	9311963046235
10.90	142	94	5	D1021090	9311963034768
11.00	142	94	5	D1021100	9311963017174
11.10	142	94	5	D1021110	9311963046242
11.20	142	94	5	D1021120	9311963046259
11.30	142	94	5	D1021130	9311963046266
11.40	142	94	5	D1021140	9311963046273
11.50	142	94	5	D1021150	9311963046280
11.60	142	94	5	D1021160	9311963046297
11.70	142	94	5	D1021170	9311963046303
11.80	142	94	5	D1021180	9311963024547
11.90	142	94	5	D1021190	9311963046310
12.00	151	101	5	D1021200	9311963039152
12.10	151	101	5	D1021210	9311963046327
12.30	151	101	5	D1021230	9311963046334
12.40	151	101	5	D1021240	9311963034782

Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Metric - Bulk Pack					
D102					
12.50	151	101	5	D1021250	9311963046341
12.60	151	101	5	D1021260	9311963046358
12.70	151	101	5	D1021270	9311963028729
12.80	151	101	5	D1021280	9311963046365
12.90	151	101	5	D1021290	9311963046372
13.00	151	101	5	D1021300	9311963011592

Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode	
Imperial - Bulk Pack						
D102						
3/64	1.19	44	19	10	D1020119	9311963045610
1/16	1.59	48	22	10	D1020159	9311963009834
5/64	1.98	51	25	10	D1020198	9311963010601
3/32	2.38	57	32	10	D1020238	9311963011035
7/64	2.78	67	38	10	D1020278	9311963008035
1/8	3.18	70	41	10	D1020318	9311963005997
9/64	3.57	73	44	10	D1020357	9311963005126
5/32	3.97	79	51	10	D1020397	9311963005430
11/64	4.37	83	54	10	D1020437	9311963005133
3/16	4.76	89	59	10	D1020476	9311963005140
13/64	5.16	92	62	10	D1020516	9311963004143
7/32	5.56	95	64	10	D1020556	9311963008042
15/64	5.95	98	67	10	D1020595	9311963006260
1/4	6.35	102	70	10	D1020635	9311963005690
17/64	6.76	105	73	10	D1020676	9311963006963
9/32	7.14	108	75	5	D1020714	9311963008684
19/64	7.54	111	78	5	D1020754	9311963007465
5/16	7.94	114	81	5	D1020794	9311963008691
21/64	8.33	117	84	5	D1020833	9311963008707
11/32	8.73	121	87	5	D1020873	9311963007724
23/64	9.13	124	89	5	D1020913	9311963010182
3/8	9.53	127	92	5	D1020953	9311963006734
25/64	9.92	130	95	5	D1020992	9311963012155
13/32	10.32	133	98	5	D1021032	9311963010199
27/64	10.72	137	100	5	D1021072	9311963014265
7/16	11.11	140	103	5	D1021111	9311963008059
29/64	11.51	143	106	5	D1021151	9311963015132
15/32	11.91	146	110	5	D1021191	9311963011042
31/64	12.31	149	111	5	D1021231	9311963015149
1/2	12.69	152	114	5	D1021269	9311963006970

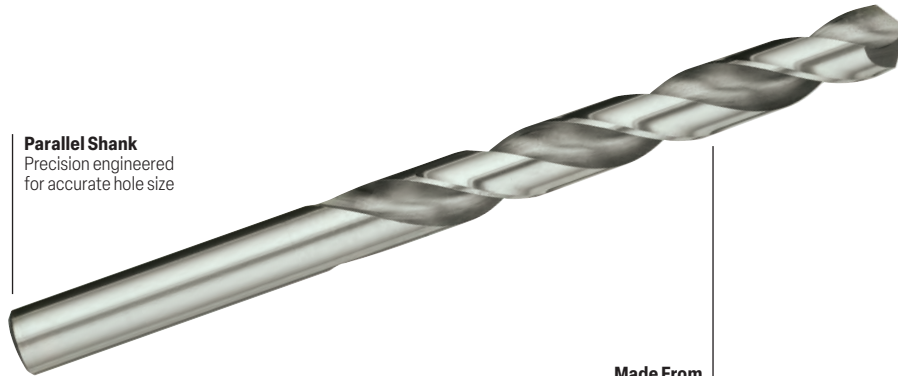


General purpose drill bit designed for machine and hand held drilling in a wide range of ferrous and non-ferrous materials.

118° Split Point
Drills >3.5mm and 9/64"
Minimises wandering when starting



Parallel Shank
Precision engineered for accurate hole size



Made From High Speed Steel

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Diameter mm	O/A Length mm	Flute Length mm	Shank mm	Item #	Barcode
Metric	mm	mm			D105
1.0	34	12		D1050100	93221153
1.5	40	18		D1050150	93221160
2.0	49	24		D1050200	93221177
2.5	57	30		D1050250	93221184
3.0	61	33		D1050300	93221191
3.5	70	39		D1050350	93221207
4.0	75	43		D1050400	93221214
4.5	80	47		D1050450	93221221
5.0	86	52		D1050500	93221238
5.5	93	57		D1050550	93221245
6.0	93	57		D1050600	93221252
6.5	101	63		D1050650	93221269
7.0	109	69		D1050700	93221276
7.5	109	69		D1050750	93221283
8.0	117	75		D1050800	93221290
8.5	117	75		D1050850	93221306
9.0	125	81		D1050900	93221313
9.5	125	81		D1050950	93221320
10.0	133	87		D1051000	93220637
10.5†	133	87	10	D1051050	93220644
11.0†	142	94	10	D1051100	93220651
11.5†	142	94	10	D1051150	93220668
12.0†	151	101	10	D1051200	93220675
12.5†	151	101	10	D1051250	93220682
13.0†	151	101	10	D1051300	93220699

Diameter inch	O/A Length mm	Flute Length mm	Shank Inch	Item #	Barcode	
Imperial	mm	mm			D105	
1/16	1.59	48	22	D1050159	93220545	
5/64	1.98	51	25	D1050198	93220552	
3/32	2.38	57	32	D1050238	93220569	
7/64	2.78	67	38	D1050278	93220576	
1/8	3.18	70	41	D1050318	93220583	
9/64	3.57	73	44	D1050357	93220590	
5/32	3.97	79	51	D1050397	93220606	
11/64	4.37	83	54	D1050437	93220613	
3/16	4.76	89	59	D1050476	93220620	
13/64	5.16	92	62	D1050516	93220958	
1/4	6.35	101	63	D1050635	93220989	
5/16	7.94	114	81	D1050794	93221023	
21/64	8.33	117	84	D1050833	93221030	
3/8	9.52	127	92	D1050953	93221061	
25/64†	9.92	130	95	3/8	D1050992	93221078
27/64†	10.72	137	100	3/8	D1051072	93221092
29/64†	11.51	143	106	3/8	D1051151	93221115
31/64†	12.30	151	111	3/8	D1051231	93221139
1/2†	12.70	152	114	3/8	D1051269	93221146

Drills Jobber – INOX

sutton

INOX
STAINLESS STEEL

Sutton Tools INOX jobber drills are an industrial quality drilling solution specially designed for superior performance in stainless steel.

Tailored to overcome the difficult-to-machine material properties of stainless steel, INOX drill bits have a fast spiral, short flute and unique stepped core design providing a smooth and effortless cutting action never before seen.

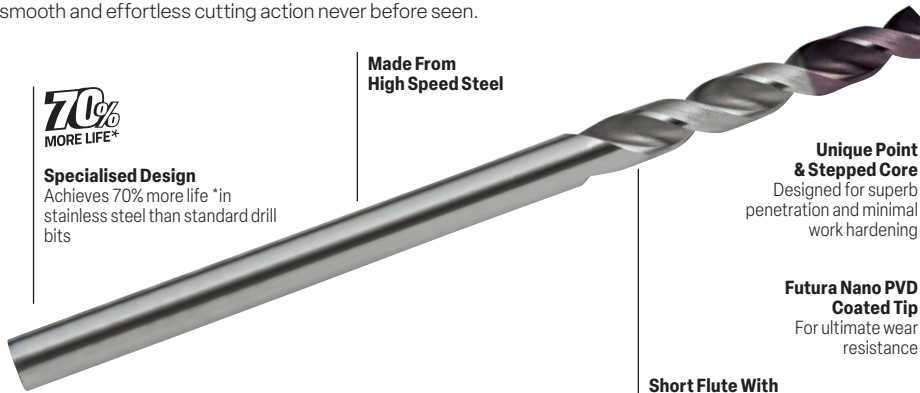


70%
MORE LIFE*

Specialised Design

Achieves 70% more life *in stainless steel than standard drill bits

Made From High Speed Steel



Unique Point & Stepped Core
Designed for superb penetration and minimal work hardening

Futura Nano PVD Coated Tip
For ultimate wear resistance

Short Flute With Fast Spiral
For maximum rigidity and swarf control

Application

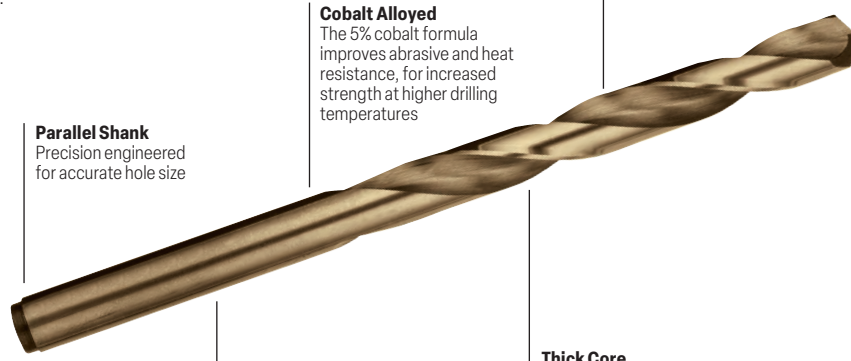
- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Diameter mm	O/A Length	Flute Length	Item #	Barcode
Metric	mm	mm		D185
1.0	34	8	D1850100	9311963601984
1.5	40	11	D1850150	9311963601991
2.0	49	14	D1850200	9311963602004
2.5	57	16	D1850250	9311963602011
3.0	61	18	D1850300	9311963602028
3.3	65	20	D1850330	9311963602035
3.5	70	22	D1850350	9311963602042
4.0	75	25	D1850400	9311963602059
4.2	75	25	D1850420	9311963602066
4.5	80	28	D1850450	9311963602073
5.0	86	32	D1850500	9311963602080
5.5	93	36	D1850550	9311963602097
6.0	93	36	D1850600	9311963602103
6.5	101	40	D1850650	9311963602110
6.8	109	45	D1850680	9311963602127
7.0	109	45	D1850700	9311963602134
7.5	109	45	D1850750	9311963602141
8.0	117	51	D1850800	9311963602158
8.5	117	51	D1850850	9311963602165
9.0	125	57	D1850900	9311963602172
9.5	125	57	D1850950	9311963602189
10.0	133	63	D1851000	9311963602196
10.2	133	63	D1851020	9311963602202
10.5	133	63	D1851050	9311963602219
11.0	142	71	D1851100	9311963602226
11.5	142	71	D1851150	9311963602233
12.0	151	78	D1851200	9311963602240
12.5	151	78	D1851250	9311963602257
13.0	151	78	D1851300	9311963602264

Drills Jobber – Cobalt



Industrial quality for drilling materials that have higher hardness and tensile strength such as cast iron, bronze, hardened steel and stainless steel.



Parallel Shank
Precision engineered for accurate hole size

Cobalt Alloyed
The 5% cobalt formula improves abrasive and heat resistance, for increased strength at higher drilling temperatures

Surface Finish
Colour tempered finish enables identification of cobalt drills

135° Split Point
Drills > 2mm and 3/32
Enables accurate positioning and less drilling pressure

Thick Core
For increased rigidity in hard materials

Made From High Speed Steel

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Diameter mm	O/A Length	Flute Length	Item #	Barcode
Metric	mm	mm		D108
1.0	34	12	D1080100	9311963181059
1.5	40	18	D1080150	9311963181103
2.0	49	24	D1080200	9311963100128
2.5	57	30	D1080250	9311963100180
3.0	61	33	D1080300	9311963093574
3.5	70	39	D1080350	9311963093611
4.0	75	43	D1080400	9311963093642
4.5	80	47	D1080450	9311963093680
5.0	86	52	D1080500	9311963093703
5.5	93	57	D1080550	9311963093734
6.0	93	57	D1080600	9311963093741
6.5	101	63	D1080650	9311963093758
7.0	109	69	D1080700	9311963093796
8.0	117	75	D1080800	9311963093925
8.5	117	75	D1080850	9311963093963
9.0	125	81	D1080900	9311963093987
10.0	133	87	D1081000	9311963094038
10.5	133	87	D1081050	9311963094052
11.0	142	94	D1081100	9311963094076
12.0	151	101	D1081200	9311963094106
13.0	151	101	D1081300	9311963094151

Diameter inch	mm	O/A Length	Flute Length	Item #	Barcode
Imperial	mm	mm			D108
1/16	1.59	48	22	D1080159	9311963020068
5/64	1.98	51	25	D1080198	9311963035529
3/32	2.38	57	32	D1080238	9311963026855
7/64	2.78	67	38	D1080278	9311963026862
1/8	3.18	65	36	D1080318	9311963093321
9/64	3.57	73	44	D1080357	9311963093338
5/32	3.97	79	51	D1080397	9311963093345
11/64	4.37	83	54	D1080437	9311963093352
3/16	4.76	89	59	D1080476	9311963093369
13/64	5.16	92	62	D1080516	9311963093376
7/32	5.56	95	64	D1080556	9311963093383
15/64	5.95	98	67	D1080595	9311963093390
1/4	6.35	101	63	D1080635	9311963093406
17/64	6.75	105	73	D1080676	9311963093413
9/32	7.14	108	75	D1080714	9311963093420
19/64	7.54	111	78	D1080754	9311963093437
5/16	7.94	114	81	D1080794	9311963093444
21/64	8.33	117	84	D1080833	9311963093451
11/32	8.73	121	87	D1080873	9311963093468
23/64	9.13	124	89	D1080913	9311963093475
3/8	9.53	127	92	D1080953	9311963093482
25/64	9.92	130	95	D1080992	9311963093499
13/32	10.32	133	98	D1081032	9311963093505
27/64	10.72	137	100	D1081072	9311963093512
7/16	11.11	140	103	D1081111	9311963093529
29/64	11.51	143	106	D1081151	9311963093536
15/32	11.91	146	110	D1081191	9311963093543
31/64	12.30	151	111	D1081231	9311963093550
1/2	12.70	152	114	D1081269	9311963093567

Drills Jobber – Left Hand Cobalt



Left-Hand jobber drills feature a left hand helix for screw machine applications where spindles rotate counter-clockwise. Suitable for general-purpose drilling and can also be used to drill out broken bolts in conjunction with Sutton Tools screw extractors.

118° Standard Point
Common point for general purpose applications

Spiral Flute
Heavy duty spiral flute design produces faster chip ejection

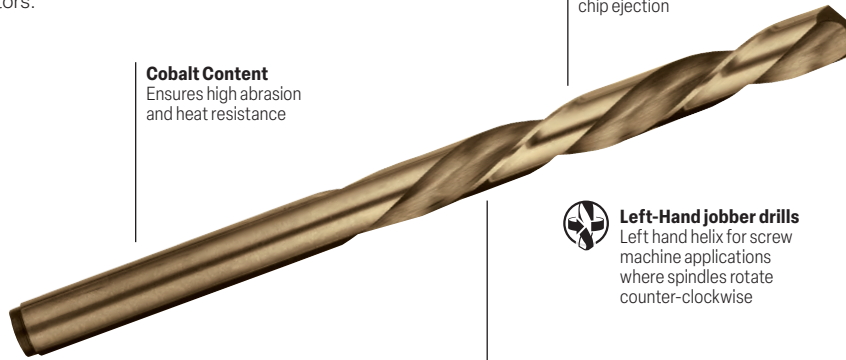
Cobalt Content
Ensures high abrasion and heat resistance

Left-Hand jobber drills
Left hand helix for screw machine applications where spindles rotate counter-clockwise

Length
Shorter drilling length designed for rigidity

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO



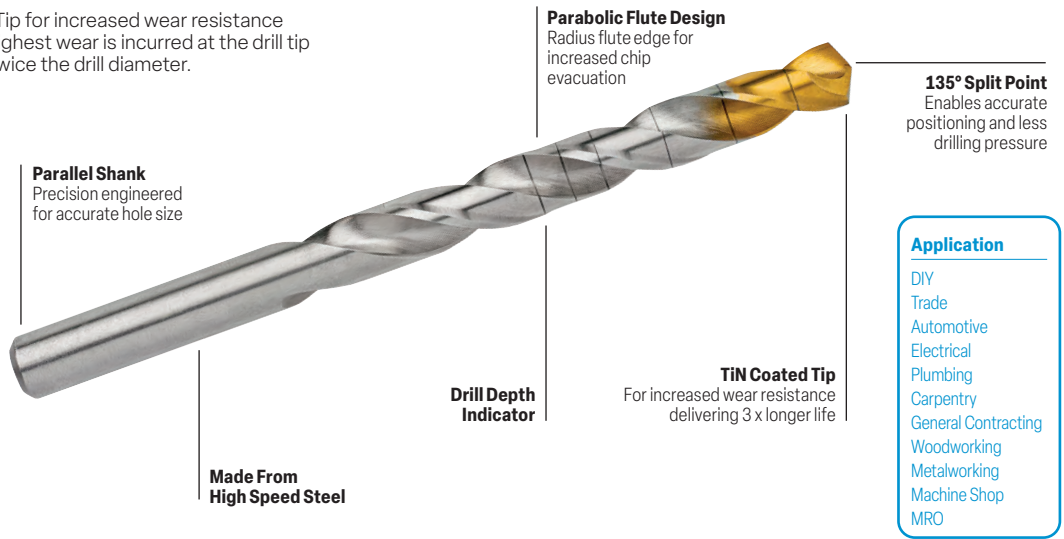
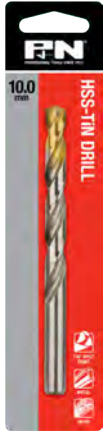
Diameter mm	O/A Length	Flute Length	Extractor Size	Pieces	Item #	Barcode
Metric	mm	mm				D202
1.0	34	12		1	D2020100	9311963607658
2.0	49	24	#1	1	D2020200	9311963602851
3.0	61	33	#2	1	D2020300	9311963602868
4.0	75	43	#3	1	D2020400	9311963602875
5.0	86	52		1	D2020500	9311963607702
5.5	93	57	#4	1	D2020550	9311963602882
6.0	93	57		1	D2020600	9311963607719
7.0	109	69		1	D2020700	9311963607733
7.5	109	69	#5	1	D2020750	9311963602899
8.0	117	75		1	D2020800	9311963607740
9.0	125	81		1	D2020900	9311963607764
10.0	133	87		1	D2021000	9311963607788
11.0	142	94		1	D2021100	9311963607801
12.0	151	101		1	D2021200	9311963607818
13.0	151	101		1	D2021300	9311963607825
Set						
1.0 - 10mm x 1.0mm rises				10	D202LH10M	9311963622002



D202LH10M



Titanium Nitride (TiN) Coated Tip for increased wear resistance delivering 3X longer life. The highest wear is incurred at the drill tip and cutting edges to depths twice the drill diameter.



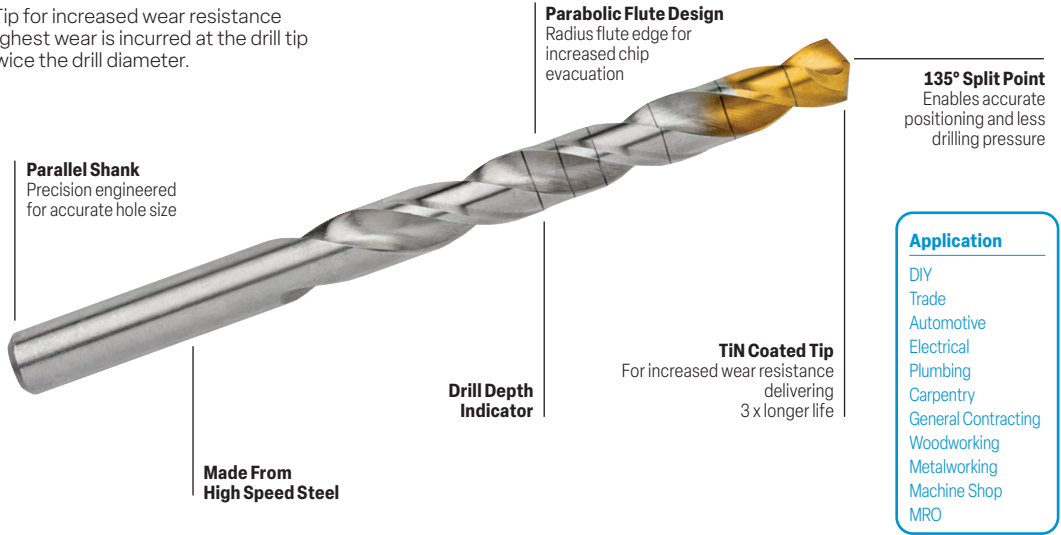
Diameter mm	O/A Length	Flute Length	Pack Qty	Item #	Barcode
Metric	mm	mm			
1.0	34	12	2	165320394	9311744442492
1.5	40	18	2	165320591	9311744442508
2.0	49	24	2	165320787	9311744442515
2.5	57	30	2	165320984	9311744442522
3.0	61	33	2	165321181	9311744442539
3.5	70	39	1	165301378	9311744441303
4.0	75	43	1	165301575	9311744441310
4.5	80	47	1	165301772	9311744441327
5.0	86	52	1	165301968	9311744441334
5.5	93	57	1	165302165	9311744441341
6.0	93	57	1	165302362	9311744441358
6.5	101	63	1	165302559	9311744441365
7.0	109	69	1	165302756	9311744441372
7.5	109	69	1	165302953	9311744441389
8.0	117	75	1	165303150	9311744441396
8.5	117	75	1	165303346	9311744441402
9.0	125	81	1	165303543	9311744441419
9.5	125	81	1	165303740	9311744441426
10.0	133	87	1	165303937	9311744441433
10.5	133	87	1	165304134	9311744441440
11.0	142	94	1	165304331	9311744441457
11.5	142	94	1	165304528	9311744441464
12.0	151	101	1	165304724	9311744441471
12.5	151	101	1	165304921	9311744441488
13.0	151	101	1	165305118	9311744441495

*New look packaging depicted. Actual product packaging may differ from image shown.

Drills Jobber Bulk Pack – TiN



Titanium Nitride (TiN) Coated Tip for increased wear resistance delivering 3X longer life. The highest wear is incurred at the drill tip and cutting edges to depths twice the drill diameter.



Diameter mm	O/A Length	Flute Length	Pack Qty			Item #	Barcode
Metric*	mm	mm					
1.0	34	12	10			166310394	9311744443338
1.5	40	18	10			166310591	9311744443383
2.0	49	24	10			166310787	9311744443437
2.5	57	30	10			166310984	9311744443482
3.0	61	33	10			166311181	9311744443536
3.5	70	39	10			166311378	9311744443581
4.0	75	43	10			166311575	9311744443635
4.2	75	43	10			166311654	9311744443659
4.5	80	47	10			166311772	9311744443680
5.0	86	52	10			166311969	9311744443734
5.5	93	57	10			166312165	9311744443789
6.0	93	57	5			166312362	9311744443833
6.5	101	63	5			166312559	9311744443888
7.0	109	69	5			166312756	9311744443932
7.5	109	69	5			166312953	9311744443987
8.0	117	75	5			166313150	9311744444038
8.5	117	75	5			166313346	9311744444083
9.0	125	81	5			166313543	9311744444137
9.5	125	81	5			166313740	9311744444182
10.0	133	87	5			166313937	9311744444236
10.5	133	87	5			166314139	9311744444281
11.0	142	94	5			166314331	9311744444335
11.5	142	94	5			166314528	9311744444380
12.0	151	101	5			166314724	9311744444434
12.5	151	101	5			166314921	9311744444489
13.0	151	101	5			166315118	9311744444533

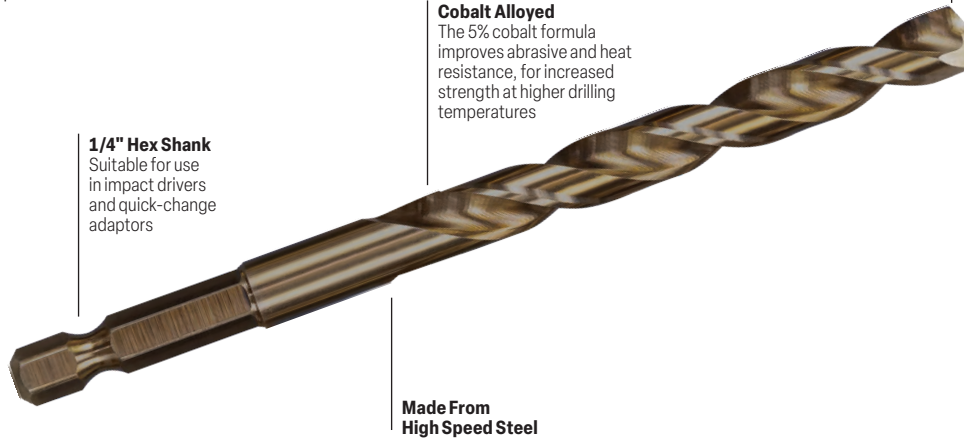
*New look packaging depicted. Actual product packaging may differ from image shown.

Drills Jobber – Supabit Impact

sutton

SUPABIT
EXTREME IMPACT

Supabits are developed for use with the high torque output of an impact driver and are suitable for general purpose use in metal, timber and plastics.



1/4" Hex Shank
Suitable for use in impact drivers and quick-change adaptors

Cobalt Alloyed
The 5% cobalt formula improves abrasive and heat resistance, for increased strength at higher drilling temperatures

Made From High Speed Steel

135° Split Point
Enables accurate positioning and less drilling pressure

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Diameter mm	O/A Length	Flute Length	Shank Inch	Pieces	Item #	Barcode
Metric	mm	mm				D213
2.0	52	15	1/4	1	D2130200	9311963639796
2.5	58	20	1/4	1	D2130250	9311963639802
3.0	68	31	1/4	1	D2130300	9311963639819
3.5	74	38	1/4	1	D2130350	9311963639826
4.0	80	45	1/4	1	D2130400	9311963639833
4.5	87	48	1/4	1	D2130450	9311963639840
5.0	94	52	1/4	1	D2130500	9311963639857
5.5	97	54	1/4	1	D2130550	9311963639864
6.0	100	58	1/4	1	D2130600	9311963639871
6.5	104	61	1/4	1	D2130650	9311963639888
7.0	110	67	1/4	1	D2130700	9311963639895
8.0	116	74	1/4	1	D2130800	9311963639901
9.0	127	83	1/4	1	D2130900	9311963639918
10.0	133	90	1/4	1	D2131000	9311963639925
11.0	143	100	1/4	1	D2131100	9311963639932
12.0	150	108	1/4	1	D2131200	9311963639949
13.0	156	112	1/4	1	D2131300	9311963639956
Supabit Drill Set						
5 Pce Set: 2, 3, 4, 5, 6mm				5	D2130005	9311963639963



D2130005

Drills Jobber – Quickbits® Impact

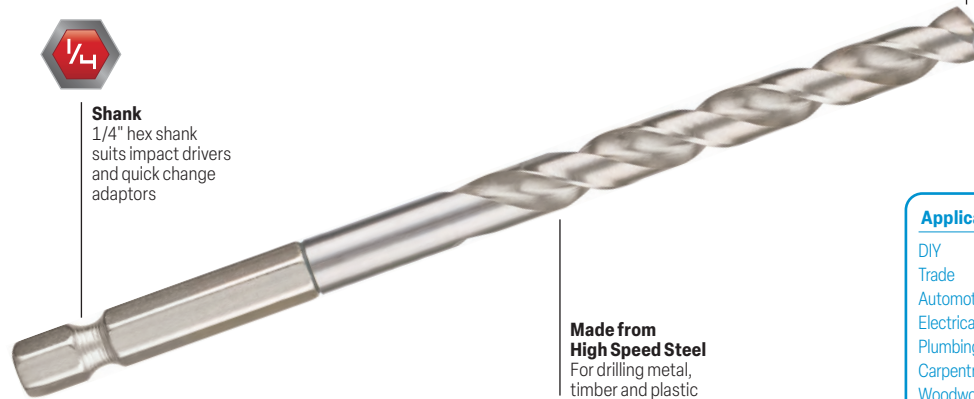


Designed for machine and hand held drilling in a wide range of ferrous and non-ferrous materials.

118° Standard Point
Common point for general purpose applications



Shank
1/4" hex shank suits impact drivers and quick change adaptors



Made from High Speed Steel
For drilling metal, timber and plastic

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- Woodworking
- Metalworking

Diameter mm	O/A Length	Flute Length	Shank Inch	Pieces	Item #	Barcode
Metric	mm	mm				
2.0	53	18	1/4	1	107B80020	9311744439898
2.5	58	22	1/4	1	107B80025	9311744439904
3.0	63	26	1/4	1	107B80030	9311744439911
3.2	68	28	1/4	1	107B80032	9311744439928
3.5	68	28	1/4	1	107B80035	9311744439935
4.0	73	30	1/4	1	107B80040	9311744439942
4.5	78	33	1/4	1	107B80045	9311744439959
5.0	83	36	1/4	1	107B80050	9311744439966
5.5	88	40	1/4	1	107B80055	9311744439973
6.0	93	47	1/4	1	107B80060	9311744439997
6.5	98	50	1/4	1	107B80065	9311744440009
7.0	100	62	1/4	1	107B80070	9311744440016
8.0	105	65	1/4	1	107B80080	9311744440023
9.0	110	68	1/4	1	107B80090	9311744440030
10.0	115	71	1/4	1	107B80100	9311744440047
12.0	125	77	1/4	1	107B80120	9311744440054
Quickbits® Impact HSS Drill Set						
5 Pce Set: 2, 3, 4, 5, 6mm			1/4	5	107B8SET5	9311744441860



107B8SET5

Drills Quickbits® – Changeable



Designed for machine and hand held drilling in a wide range of ferrous and non-ferrous materials. Removable drill for easy replacement.



Shank
1/4" hex shank
suits quick change
adaptors

Removable Drill
For easy
replacement



Made from High Speed Steel
For drilling metal,
timber and
plastic

Description	Shank Inch	Pieces	Item #	Barcode
Changeable Drill Set				
Metric: 2.0, 3.0, 4.0, 5.0 & 6.0 + 5/8" Countersink	1/4	6	150BSET6M	9311744435494

Drills Quick Change



Designed for machine and hand held drilling in a wide range of ferrous and non-ferrous materials.



Description	Contents	Shank	Pieces	Item #	Barcode
Quick Change HSS Drill Set	HSS Stubby Drills: 3, 4, 5, 6, 8, 10mm Quick-Change Holder	1/4" Hex	6	166044675	9311744446902

Drills Mini Hand Drill

sutton

For hand drilling soft metals, wood and plastic. Designed for metal working, electronics, jewellery, model engineering and general hobby work. Drill bits made from High Speed Steel.



Hollow Alloy Body
Stores drills when not in use

HSS
Drills made from High Speed Steel

Knurled End
For drilling control

Application

DIY
Trade
Automotive
Electronics
Woodworking
Metalworking

Description	Pieces	Item #	Barcode
11 Pce Tip Tool Drill Kit Includes Drill sizes 0.60, 0.70, 0.80, 0.90, 1.00, 1.10, 1.20, 1.30, 1.40, 1.50, 1.60mm	11	D2010012	9311963177090
			D201

Drills Carbide, 3 x D, R15 NH

sutton

Rigid twist drill with slow spiral 15° flutes. Suitable for martensitic and precipitation hardening, stainless steels and tool steels. For drilling short chipping or abrasive materials such as harder steel, tool steel and cast iron.



Bright Finish

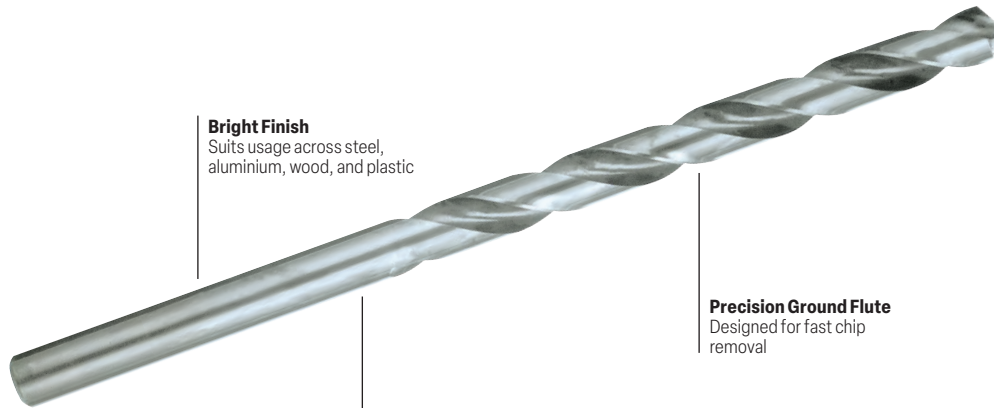
135° Point
4 Facet Form C

Diameter mm	O/A Length	Flute Length	Pieces	Item #	Barcode
Metric	mm	mm			D304
3.0	48	22	1	D3040300	9311963362281
4.0	53	27	1	D3040400	9311963362298
5.0	57	30	1	D3040500	9311963362311
6.0	62	33	1	D3040600	9311963362335

Drills Long Series



Long Series Drills feature longer flutes and overall lengths than standard HSS drill bits. This permits deeper hole drilling and longer reach applications.



Bright Finish
Suits usage across steel, aluminium, wood, and plastic

118° Standard Point
Common point for general purpose applications

Precision Ground Flute
Designed for fast chip removal

Made From High Speed Steel

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Diameter mm	O/A Length	Flute Length	Pieces	Item #	Barcode
D110					
Metric	mm	mm			
2.0	108	57	1	D1100200	9311963066998
2.5	117	64	1	D1100250	9311963067001
3.0	130	70	1	D1100300	9311963017211
3.5	137	76	1	D1100350	9311963016016
4.0	146	86	1	D1100400	9311963022918
4.5	146	86	1	D1100450	9311963016023
5.0	152	92	1	D1100500	9311963018539
5.5	152	92	1	D1100550	9311963017228
6.0	156	95	1	D1100600	9311963016030
6.5	159	98	1	D1100650	9311963017235
7.0	159	98	1	D1100700	9311963022925
7.5	162	102	1	D1100750	9311963026633
8.0	165	105	1	D1100800	9311963017242
8.5	165	105	1	D1100850	9311963024592
9.0	171	105	1	D1100900	9311963028804
9.5	171	105	1	D1100950	9311963034966
10.0	178	111	1	D1101000	9311963011103
10.5	184	117	1	D1101050	9311963016047
11.0	184	117	1	D1101100	9311963018546
11.5	184	117	1	D1101150	9311963188898
12.0	197	121	1	D1101200	9311963026657
12.5	197	121	1	D1101250	9311963039367
13.0	197	121	1	D1101300	9311963028811
6 Pce Long Series Drill Set					
3.0, 4.0, 5.0, 6.0, 8.0, 10mm			6	D1100006	9311963611211

Diameter inch	O/A Length mm	Flute Length mm	Pieces	Item #	Barcode	
D110						
Imperial	mm	mm				
3/32	2.38	117	57	1	D1100238	9311963010632
1/8	3.18	137	70	1	D1100318	9311963001814
9/64	3.57	137	76	1	D1100357	9311963009391
5/32	3.97	137	76	1	D1100397	9311963001340
3/16	4.76	152	92	1	D1100476	9311963001531
13/64	5.16	152	92	1	D1100516	9311963008486
15/64	5.95	156	95	1	D1100595	9311963018515
1/4	6.35	156	95	1	D1100635	9311963000978
9/32	7.14	159	98	1	D1100714	9311963021294
5/16	7.94	162	102	1	D1100794	9311963002361
23/64	9.13	171	108	1	D1100913	9311963021300
3/8	9.53	171	108	1	D1100953	9311963003894
25/64	9.92	178	111	1	D1100992	9311963026619
13/32	10.32	178	111	1	D1101032	9311963011080
29/64	11.51	184	117	1	D1101151	9311963022901

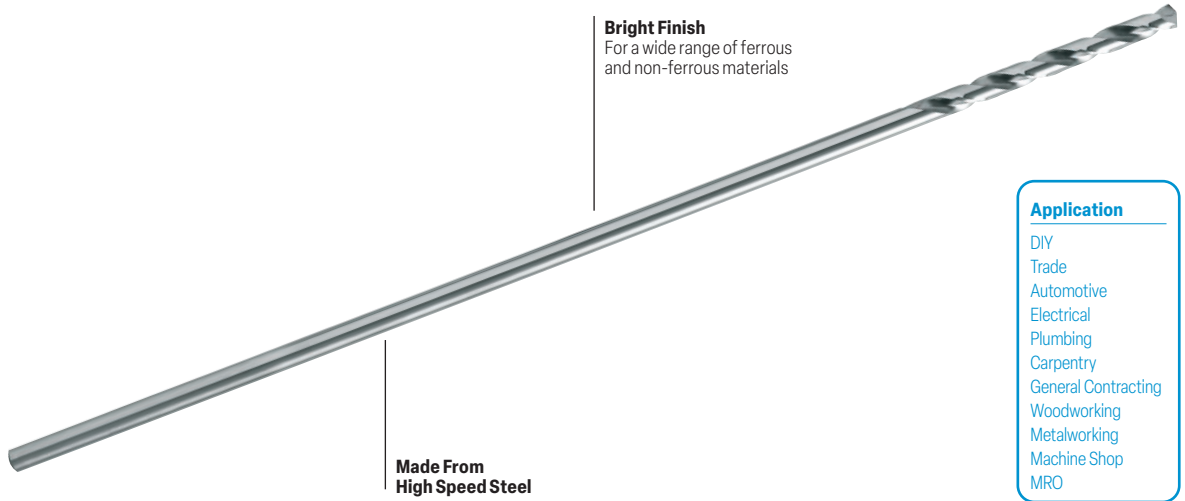


D1100006

Drills Long Series – Extra Long Reach



Extra Long Reach Drills are 300mm in overall length enabling long reach applications. General purpose drill bit designed for machine and hand held drilling.



135° Split Point
Minimises wandering when starting

Bright Finish
For a wide range of ferrous and non-ferrous materials

Made From High Speed Steel

- Application**
- DIY
 - Trade
 - Automotive
 - Electrical
 - Plumbing
 - Carpentry
 - General Contracting
 - Woodworking
 - Metalworking
 - Machine Shop
 - MRO

Diameter mm	O/A Length mm	Flute Length mm	Pieces	Item #	Barcode
Metric	mm	mm			D217
3.0	300	40	1	D2170300	9311963639987
4.0	300	50	1	D2170400	9311963640006
5.0	300	60	1	D2170500	9311963640020
6.0	300	65	1	D2170600	9311963640037
8.0	300	80	1	D2170800	9311963640068
10.0	300	92	1	D2171000	9311963640082
12.0	300	109	1	D2171200	9311963640105
13.0	300	118	1	D2171300	9311963640129

Diameter inch	mm	O/A Length mm	Flute Length mm	Pieces	Item #	Barcode
Imperial	mm	mm				D217
1/8	3.18	300	35	1	D2170318	9311963639994
3/16	4.76	300	57	1	D2170476	9311963640013
1/4	6.35	300	72	1	D2170635	9311963640044
5/16	7.94	300	86	1	D2170794	9311963640051
3/8	9.52	300	95	1	D2170953	9311963640075
7/16	11.11	300	106	1	D2171111	9311963640099
1/2	12.70	300	117	1	D2171269	9311963640112

Drills Panel & Rivet – Single Ended



Developed to drill holes for rivets in flat and curved panels used in sheet metal fabrication.

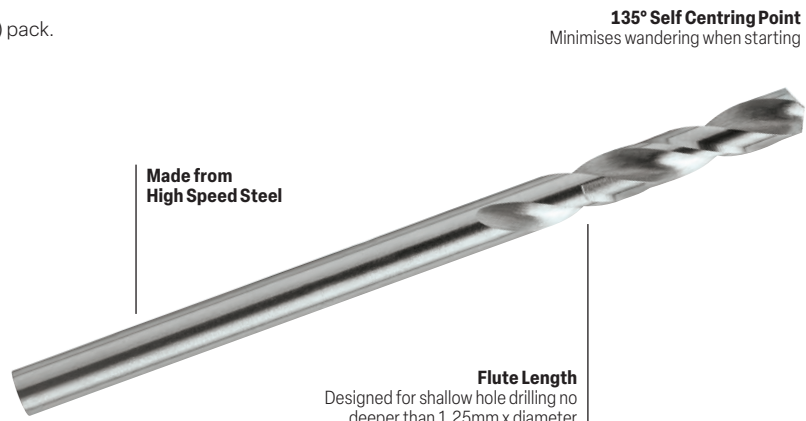
Packaging, available in twin or trade (10) pack.



Carded



Quad Pack



Made from High Speed Steel

135° Self Centring Point
Minimises wandering when starting

Flute Length
Designed for shallow hole drilling no deeper than 1.25mm x diameter

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- General Contracting
- Metalworking
- MRO



Diameter inch/#	mm	O/A Length	Flute Length	Order Qty	Item #	Barcode
Bright Finish		mm	mm			
Carded – 2 Pack						D131
1/8	3.18	54.0	19.1	1	D1310318	93223140
#30	3.26	54.0	19.1	1	D1310326	93223157
#20	4.09	54.0	22.2	1	D1310409	93223164
#11	4.85	54.0	22.2	1	D1310485	93223171
Quad Pack – 10 Pack						D121
1/8	3.18	54.0	19.1	10	D1210318	9311963007205
#30	3.26	54.0	19.1	10	D1210326	9311963002002
#20	4.09	54.0	22.2	10	D1210409	9311963008479
#11	4.85	54.0	22.2	10	D1210485	9311963003276



Diameter inch/#	mm	O/A Length	Flute Length	Order Qty	Item #	Barcode
Blue Finish		mm	mm			
Quad Pack – 10 Pack						D124
#30	3.26	54.0	19.1	10	D1240326	9311963034942
#20	4.09	54.0	22.2	10	D1240409	9311963105550
#11	4.85	54.0	22.2	10	D1240485	9311963105567



Diameter inch/#	mm	O/A Length	Flute Length	Order Qty	Item #	Barcode
Bright Finish - Stub 118° Split Point						
Quad Pack – 10 Pack						D123
#30	3.26	49.2	23.8	10	D1230326	9311963001333
#11	4.85	57.2	30.2	10	D1230485	9311963002255

Rivet Chart	
Rivet Size	Drill Diameter
3.0mm	1/8 (3.18mm)
1/8"	# 30 (3.26mm)
4.0mm & 5/32"	# 20 (4.09mm)
3/16"	# 11 (4.85mm)

Note: Drill diameter is larger than rivet size to allow clearance.

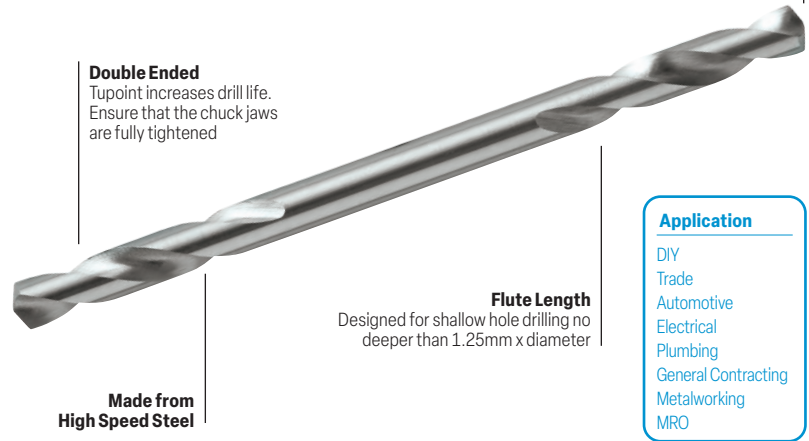
Note: Overall and flute lengths do not include drill point.

Drills Panel & Rivet – Double Ended



Developed to drill holes for rivets in flat and curved panels used in sheet metal fabrication.

135° Self Centring Point
Minimises wandering when starting



Double Ended
Tupoint increases drill life.
Ensure that the chuck jaws
are fully tightened

Made from High Speed Steel

Flute Length
Designed for shallow hole drilling no
deeper than 1.25mm x diameter

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- General Contracting
- Metalworking
- MRO



Diameter inch/#	mm	O/A Length	Flute Length	Order Qty	Item #	Barcode
Bright Finish						
Carded – 2 Pack						
D133						
1/8	3.18	54.0	15.9	1	D1330318	93223188
#30	3.26	54.0	15.9	1	D1330326	93223195
#20	4.09	54.0	15.9	1	D1330409	93223201
#11	4.85	54.0	15.9	1	D1330485	93223218

Diameter inch/#	mm	O/A Length	Flute Length	Order Qty	Item #	Barcode
Hang Pack – 10 Pack						
D134						
1/8	3.18	54.0	15.9	1	D1340318	9311963193755
#30	3.26	54.0	15.9	1	D1340326	9311963193762
#20	4.09	54.0	15.9	1	D1340409	9311963193779
#11	4.85	54.0	15.9	1	D1340485	9311963193786

Diameter inch/#	mm	O/A Length	Flute Length	Order Qty	Item #	Barcode
Quad Pack – 10 Pack						
D122						
1/8	3.18	54.0	15.9	10	D1220318	9311963000671
#30	3.26	54.0	15.9	10	D1220326	9311963000145
#20	4.09	54.0	15.9	10	D1220409	9311963001500
#11	4.85	54.0	15.9	10	D1220485	9311963000701



Diameter inch/#	mm	O/A Length	Flute Length	Order Qty	Item #	Barcode
Blue Finish						
Quad Pack – 10 Pack						
D125						
1/8	3.18	54.0	15.9	10	D1250318	9311963063393
#30	3.26	54.0	15.9	10	D1250326	9311963039343
#20	4.09	54.0	15.9	10	D1250409	9311963105574
#11	4.85	54.0	15.9	10	D1250485	9311963105581

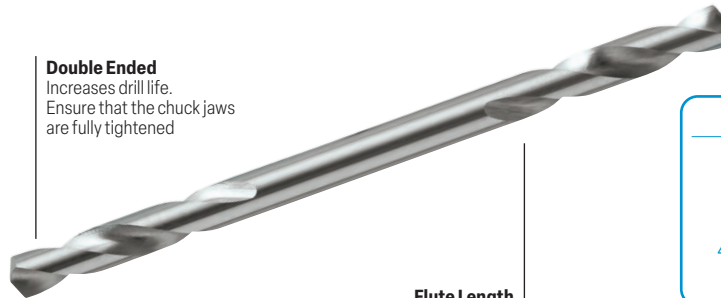


Diameter inch/#	mm	O/A Length	Flute Length	Order Qty	Item #	Barcode
Cobalt High Speed Steel						
Quad Pack – 10 Pack						
D130						
1/8	3.18	54.0	15.9	10	D1300318	9311963064338
#30	3.26	54.0	15.9	10	D1300326	9311963064345



Made from M2 High Speed Steel.
135° modified point design.

135° Self Centring Point
Minimises wandering when starting



Double Ended
Increases drill life.
Ensure that the chuck jaws
are fully tightened

Flute Length
Designed for shallow hole drilling no
deeper than 1.25mm x diameter

Rivet Chart

Rivet Size	Drill Diameter
3.0mm	1/8 (3.18mm)
1/8"	# 30 (3.26mm)
4.0mm & 5/32"	# 20 (4.09mm)
3/16"	# 11 (4.85mm)

Note: Drill diameter is larger than rivet size to allow clearance.

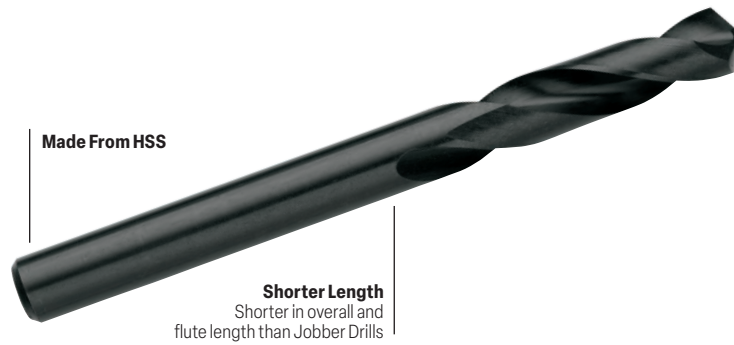
Diameter #	mm	O/A Length	Flute Length	Rivet Size	Pieces	Item #	Barcode
Bulk – 10 Pack							
# 30	3.26	54.0	15.9	1/8	10	166044646	9311744446469

Drills Stub



Rigid twist drill with self centring point geometry.
 For use in automatic lathes and hand drilling machines.
 Blue finish suitable for ferrous materials.

118° Point
 For both portable
 and machine drilling



Diameter mm	O/A Length	Flute Length	Pieces	Item #	Barcode
Metric	mm	mm			D186
1.5	32	9	10	D1860150	9311963506012
2.0	38	12	10	D1860200	9311963506067
2.5	43	14	10	D1860250	9311963506111
3.0	46	16	10	D1860300	9311963506166
3.3	49	18	10	D1860330	9311963506197
3.5	52	20	10	D1860350	9311963506210
4.0	55	22	10	D1860400	9311963506265
4.1	55	22	10	D1860410	9311963506272
4.5	58	24	10	D1860450	9311963506319
4.9	62	26	10	D1860490	9311963506357
5.0	62	26	10	D1860500	9311963506364
5.5	66	28	10	D1860550	9311963506418
6.0	66	28	10	D1860600	9311963506463
6.5	70	31	10	D1860650	9311963506517
7.0	74	34	10	D1860700	9311963506562
7.5	74	34	10	D1860750	9311963506616
8.0	79	37	5	D1860800	9311963506661
9.0	84	40	5	D1860900	9311963506760
10.0	89	43	5	D1861000	9311963506869
10.5	89	43	5	D1861050	9311963506913
11.0	95	47	5	D1861100	9311963506968
11.5	95	47	5	D1861150	9311963507019
12.0	102	51	5	D1861200	9311963507064
13.0	102	51	5	D1861300	9311963507163

Drills Reduced Shank



Precision ground flute - bright cutting edge with blue flute making it a better choice when drilling ferrous materials.

Use low speed, 350RPM or less.

Secure workpiece and drill firmly.

118° Standard Point
Common point for general purpose applications

Made From High Speed Steel

Reduced Shank
Drill sizes above 12.5mm and 1/2" feature reduced shanks to suit 13mm drill chucks

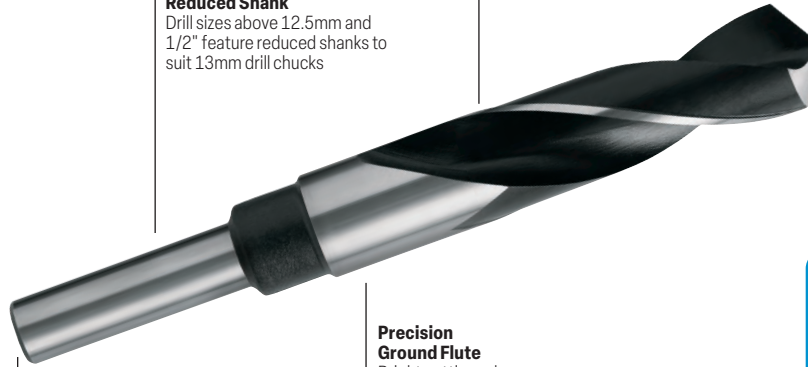
Precision Ground Flute
Bright cutting edge with blue flute making it a better choice when drilling ferrous materials

Application

- DIY
- Trade
- Industrial Application
- Automotive
- Metalworking
- Machine Shop
- MRO



Size
152mm (6") overall length with a 86mm (3-3/8") flute length



Diameter mm	O/A Length mm	Flute Length mm	Shank Inch	Item #	Barcode
				D188	
Metric	mm	mm			
13.5	152	86	1/2	D1881350	9311963011646
14.0	152	86	1/2	D1881400	9311963005300
14.5	152	86	1/2	D1881450	9311963008752
15.0	152	86	1/2	D1881500	9311963007793
15.5	152	86	1/2	D1881550	9311963011141
16.0	152	86	1/2	D1881600	9311963004990
16.5	152	86	1/2	D1881650	9311963007809
17.0	152	86	1/2	D1881700	9311963008769
17.5	152	86	1/2	D1881750	9311963009872
18.0	152	86	1/2	D1881800	9311963008776
18.5	152	86	1/2	D1881850	9311963019925
19.0	152	86	1/2	D1881900	9311963008097
19.5	152	86	1/2	D1881950	9311963017358
20.0	152	86	1/2	D1882000	9311963004624
20.5	152	86	1/2	D1882050	9311963028965
21.0	152	86	1/2	D1882100	9311963011653
21.5	152	86	1/2	D1882150	9311963031736
22.0	152	86	1/2	D1882200	9311963007489
22.5	152	86	1/2	D1882250	9311963028972
23.0	152	86	1/2	D1882300	9311963013510
23.5	152	86	1/2	D1882350	9311963035154
24.0	152	86	1/2	D1882400	9311963011660
24.5	152	86	1/2	D1882450	9311963024677
25.0	152	86	1/2	D1882500	9311963012315
26.0	152	86	1/2	D1882600	9311963087566
28.0	152	86	1/2	D1882800	9311963087573
30.0	152	86	1/2	D1883000	9311963087580

Diameter inch	O/A Length mm	Flute Length mm	Shank Inch	Item #	Barcode	
				D188		
Imperial	mm	mm				
33/64	13.10	152	86	1/2	D1881310	9311963352565
17/32	13.49	152	86	1/2	D1881349	9311963001937
35/64	13.89	152	86	1/2	D1881389	9311963352572
9/16	14.29	152	86	1/2	D1881429	9311963000893
37/64	14.68	152	86	1/2	D1881468	9311963352589
19/32	15.08	152	86	1/2	D1881508	9311963003436
39/64	15.48	152	86	1/2	D1881548	9311963352596
5/8	15.87	152	86	1/2	D1881588	9311963000237
41/64	16.27	152	86	1/2	D1881627	9311963352602
21/32	16.67	152	86	1/2	D1881667	9311963001692
43/64	17.07	152	86	1/2	D1881707	9311963352619
11/16	17.46	152	86	1/2	D1881746	9311963001081
45/64	17.86	152	86	1/2	D1881786	9311963352626
23/32	18.26	152	86	1/2	D1881826	9311963004617
47/64	18.65	152	86	1/2	D1881865	9311963352633
3/4	19.05	152	86	1/2	D1881905	9311963000855
49/64	19.45	152	86	1/2	D1881945	9311963352640
25/32	19.84	152	86	1/2	D1881984	9311963004167
51/64	20.24	152	86	1/2	D1882024	9311963352657
13/16	20.64	152	86	1/2	D1882064	9311963003535
27/32	21.43	152	86	1/2	D1882143	9311963010250
7/8	22.22	152	86	1/2	D1882223	9311963001234
29/32	23.02	152	86	1/2	D1882302	9311963008745
15/16	23.81	152	86	1/2	D1882381	9311963004853
31/32	24.61	152	86	1/2	D1882461	9311963010656
1	25.40	152	86	1/2	D1882540	9311963001388
1-1/16	26.99	152	86	1/2	D1882699	9311963006321
1-1/8	28.57	152	86	1/2	D1882858	9311963004075
1-3/16	30.16	152	86	1/2	D1883016	9311963010663
1-1/4	31.75	152	86	1/2	D1883175	9311963003900



D188RS4M



D188SM8R

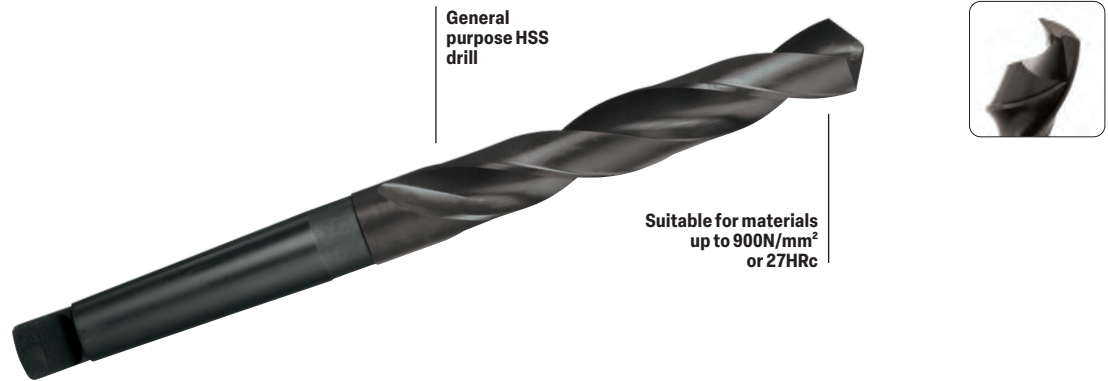
Set	Contents	Case	Pieces	Item #	Barcode
				D188	
Metric					
RS4M	16.0, 18.0, 22.0, 25.0mm with 12.5mm shanks	Foam	4	D188RS4M	9311963333472
SM8R	14.0, 15.0, 16.0, 16.5, 18.0, 20.0, 22.0, 25.0mm with 12.5mm shanks	Plastic	8	D188SM8R	9311963191522

Note: Overall and flute lengths do not include drill point.

Drills Morse Taper Shank – Metric



Twist drill with Morse taper shank suitable for a variety of materials and industrial applications. The tang at the end of the shank is used for ejecting the drill from the socket or sleeve. The drive and alignment is derived from the taper lock.



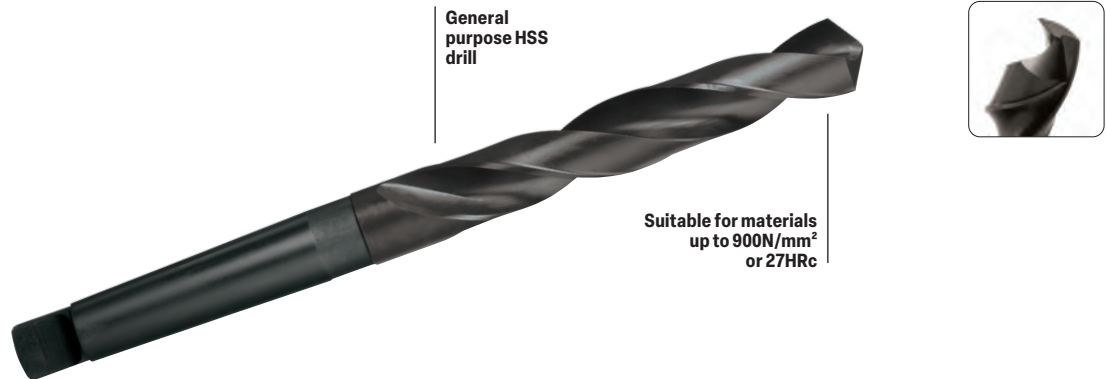
Diameter mm	O/A Length	Flute Length	MT #	Item #	Barcode
Metric				D115	
6.0	138	57	1	D1150600	9311963013473
7.5	150	69	1	D1150750	9311963021386
8.0	156	75	1	D1150800	9311963018560
9.0	162	81	1	D1150900	9311963013480
10.0	168	87	1	D1151000	9311963009858
10.5	168	87	1	D1151050	9311963012964
11.0	175	94	1	D1151100	9311963017334
11.5	175	94	1	D1151150	9311963012971
12.0	182	101	1	D1151200	9311963006307
12.5	182	101	1	D1151250	9311963012285
13.0	182	101	1	D1151300	9311963008721
13.5	189	108	1	D1151350	9311963008493
14.0	189	108	1	D1151400	9311963002163
14.5	212	114	2	D1151450	9311963007755
15.0	212	114	2	D1151500	9311963006758
15.5	218	120	2	D1151550	9311963007762
16.0	218	120	2	D1151600	9311963003429
16.5	223	125	2	D1151650	9311963009001
17.0	223	125	2	D1151700	9311963004068
17.5	228	130	2	D1151750	9311963009452
18.0	228	130	2	D1151800	9311963002972
18.5	233	135	2	D1151850	9311963010236
19.0	233	135	2	D1151900	9311963006994
19.5	238	140	2	D1151950	9311963011622
20.0	238	140	2	D1152000	9311963003658
20.5	243	145	2	D1152050	9311963011134
21.0	243	145	2	D1152100	9311963005850
21.5	248	150	2	D1152150	9311963019864
22.0	248	150	2	D1152200	9311963003139

Diameter mm	O/A Length	Flute Length	MT #	Item #	Barcode
				D115	
22.5	253	155	2	D1152250	9311963021393
23.0	253	155	2	D1152300	9311963012988
24.0	281	160	3	D1152400	9311963008738
24.5	281	160	3	D1152450	9311963012292
25.0	281	160	3	D1152500	9311963006314
25.5	286	165	3	D1152550	9311963022963
26.0	286	165	3	D1152600	9311963006765
26.5	286	165	3	D1152650	9311963019871
27.0	291	170	3	D1152700	9311963016092
27.5	291	170	3	D1152750	9311963039480
28.0	291	170	3	D1152800	9311963008080
28.5	296	175	3	D1152850	9311963028910
29.0	296	175	3	D1152900	9311963013497
29.5	296	175	3	D1152950	9311963022970
30.0	296	175	3	D1153000	9311963006031
30.5	301	180	3	D1153050	9311963035062
31.0	301	180	3	D1153100	9311963014326
31.5	301	180	3	D1153150	9311963028927
32.0	334	185	4	D1153200	9311963009469
33.0	334	185	4	D1153300	9311963022987
34.0	339	190	4	D1153400	9311963017341
35.0	339	190	4	D1153500	9311963013503
36.0	344	195	4	D1153600	9311963016108
37.0	344	195	4	D1153700	9311963028934
38.0	349	200	4	D1153800	9311963019888
39.0	349	200	4	D1153900	9311963024646
40.0	349	200	4	D1154000	9311963021416
41.0	354	205	4	D1154100	9311963039527
50.0	369	220	4	D1155000	9311963031729

Drills Morse Taper Shank – Imperial



Twist drill with Morse taper shank suitable for a variety of materials and industrial applications. The tang at the end of the shank is used for ejecting the drill from the socket or sleeve. The drive and alignment is derived from the taper lock.



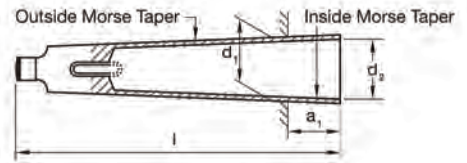
Diameter inch	mm	O/A Length	Flute Length	MT #	Item #	Barcode
Imperial						
D115						
1/8	3.18	117	37	1	D1150318	9311963014296
1/4	6.35	144	63	1	D1150635	9311963006741
5/16	7.94	156	75	1	D1150794	9311963010205
11/32	8.73	162	81	1	D1150873	9311963008714
3/8	9.53	168	87	1	D1150953	9311963004983
25/64	9.92	168	87	1	D1150992	9311963012254
7/16	11.11	175	94	1	D1151111	9311963009414
29/64	11.51	175	94	1	D1151151	9311963015187
15/32	11.91	182	101	1	D1151191	9311963016054
31/64	12.31	182	101	1	D1151231	9311963017297
1/2	12.69	182	101	1	D1151269	9311963005447
33/64	13.10	182	108	1	D1151310	9311963008066
13/49	13.49	189	108	1	D1151349	9311963003283
35/64	13.89	189	108	1	D1151389	9311963005454
9/16	14.29	212	114	2	D1151429	9311963002774
37/64	14.68	212	114	2	D1151468	9311963005461
19/32	15.08	218	120	2	D1151508	9311963006024
39/64	15.48	218	120	2	D1151548	9311963007212
5/8	15.88	218	120	2	D1151588	9311963001449
41/64	16.27	223	125	2	D1151627	9311963005836
21/32	16.67	223	125	2	D1151667	9311963003412
43/64	17.07	228	130	2	D1151707	9311963017303
11/16	17.46	228	130	2	D1151746	9311963003122
45/64	17.86	228	130	2	D1151786	9311963009421
23/32	18.26	233	135	2	D1151826	9311963004679
47/64	18.65	233	135	2	D1151865	9311963009438
3/4	19.05	238	140	2	D1151905	9311963001609
49/64	19.45	238	140	2	D1151945	9311963010229
25/32	19.84	238	140	2	D1151984	9311963005843

Diameter inch	mm	O/A Length	Flute Length	MT #	Item #	Barcode
D115						
51/64	20.24	243	145	2	D1152024	9311963013442
13/16	20.64	243	145	2	D1152064	9311963005294
27/32	21.43	248	150	2	D1152143	9311963009445
55/64	21.83	248	150	2	D1152183	9311963013459
7/8	22.22	248	150	2	D1152223	9311963002422
57/64	22.62	253	155	2	D1152262	9311963017310
29/32	23.02	253	155	2	D1152302	9311963011615
59/64	23.41	276	155	3	D1152342	9311963019833
15/16	23.81	281	160	3	D1152381	9311963006499
61/64	24.21	281	160	3	D1152421	9311963012261
31/32	24.61	281	160	3	D1152461	9311963008073
63/64	25.01	286	165	3	D1152501	9311963014302
1	25.40	286	165	3	D1152540	9311963002316
1-1/64	25.80	286	165	3	D1152580	9311963015194
1-1/32	26.19	286	165	3	D1152619	9311963012278
1-3/64	26.59	291	170	3	D1152659	9311963024615
1-1/16	26.99	291	170	3	D1152699	9311963006284
1-5/64	27.38	291	170	3	D1152738	9311963035000
1-3/32	27.78	291	170	3	D1152778	9311963018553
1-1/8	28.57	296	175	3	D1152858	9311963004310
1-5/32	29.37	296	175	3	D1152937	9311963019840
1-11/64	29.77	296	175	3	D1152977	9311963019857
1-3/16	30.16	301	180	3	D1153016	9311963007748
1-13/64	30.56	301	180	3	D1153056	9311963026695
1-7/32	30.96	301	180	3	D1153096	9311963024622
1-15/64	31.35	301	180	3	D1153135	9311963028835
1-1/4	31.75	306	185	3	D1153175	9311963004150
1-3/8	34.92	339	190	4	D1153493	9311963013466
1-5/8	41.27	354	205	4	D1154128	9311963028903

Drills Morse Taper Sleeves

sutton

Hardened alloy steel.
Precision ground internally and externally.
Drill Drift key - to eject Morse Taper drills from sleeves, sockets and machine spindles.



Size Reference	O/A Length	Diameter D ₂	Diameter D ₁	MT # Internal	MT # External	A ₁	Item #	Barcode
								D118
1-2	92	12.065	17.78	1	2	17	D1180012	9311963006062
1-3	99	12.065	23.825	1	3	5	D1180013	9311963015316
2-3	112	17.78	23.825	2	3	18	D1180023	9311963002651
1-4	124	12.065	31.267	(1)*	4	6.5	D1180014	9311963035437
2-4	124	17.78	31.267	2	4	6.5	D1180024	9311963024851
3-4	140	23.825	31.267	3	4	22.5	D1180034	9311963005157
2-5	156	17.78	44.399	(2)*	5	6.5	D1180025	9311963035451
3-5	156	23.825	44.399	3	5	6.5	D1180035	9311963023083
4-5	171	31.267	44.399	4	5	21.5	D1180045	9311963015323
5-6	218	44.399	63.348	5	6	8	D1180056	9311963031941

Drills Spot Weld

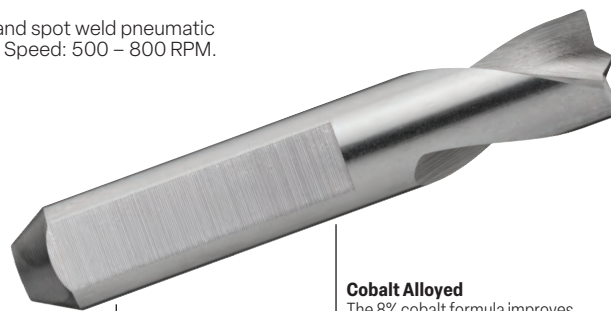
sutton

Spot Weld Drills are designed for vehicle body repairs. For quick and precise drilling through existing auto panel spot welds, releasing damaged panels and enabling replacements to be fitted. Spot Weld Drills have a spur point designed to cut through the weld on one panel while leaving only a slight mark in the second panel.



HSS Co

Suitable for hand drills and spot weld pneumatic disconnectors. Cutting Speed: 500 – 800 RPM.



Flat Shank

Cobalt Alloyed

The 8% cobalt formula improves abrasive and heat resistance, for increased strength at higher drilling temperatures

Centre Nib

Enables accurate positioning and less drilling pressure without work hardening

Shallow point design

Cuts through top panel while only slightly marking second panel

Application

DIY
Trade
Automotive

Diameter mm	O/A Length	Flute Length	Material	Shank	Item #	Barcode
						D203
Hand Drills	mm	mm				
6.0	66	30	HSS Co5		D2030060	9311963607214
8.0	79	33	HSS Co5		D2030080	9311963607221
						D204
Pneumatic Disconnectors						
8.0	38	15	HSS Co8	Flat	D2040080	9311963607238
						D205
6.0	45	14	HSS Co8	Flat	D2050060	9311963607245
8.0	45	16	HSS Co8	Flat	D2050080	9311963607252

Drills Centre Drills – Plain Type

sutton

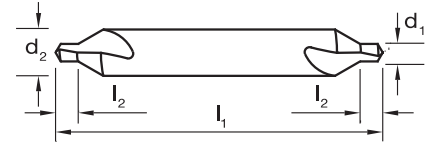
For drilling 60° centre holes in the end of shafts.

Ensures accurate starting and centring for precision.

MATERIAL: HSS

GEOMETRY: PLAIN TYPE

POINT TYPE: 60°



Type	O/A Length	Flute Length	Diameter D ₂	Diameter D ₁	Pieces	Item #	Barcode
							D136
#1	1-1/4	3/64	1/8	3/64	1	D1360001	9311963004006
#2	1-7/8	5/64	3/16	5/64	1	D1360002	9311963003160
#3	2	7/64	1/4	7/64	1	D1360003	9311963002453
#4	2-1/8	1/8	5/16	1/8	1	D1360004	9311963001456
#5	2-3/4	3/16	7/16	3/16	1	D1360005	9311963001883
#6	3	7/32	1/2	7/32	1	D1360006	9311963004877
#7	3-1/4	1/4	5/8	1/4	1	D1360007	9311963009551
Set SCD1	# 1, #2, #3, #4, & #5				5	D136SCD1	9311963196541

Drills Spotting Drills, NC

sutton

Precision drill for machine use.

Rigid design for “seat” position accuracy.

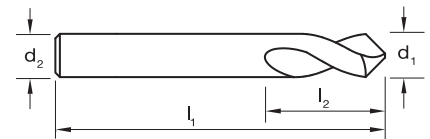
90° offers hole chamfering and spotting with the one tool.

Only drill to the depth of the point.

MATERIAL: HSS Co

GEOMETRY: TiNite

POINT TYPE: 90°

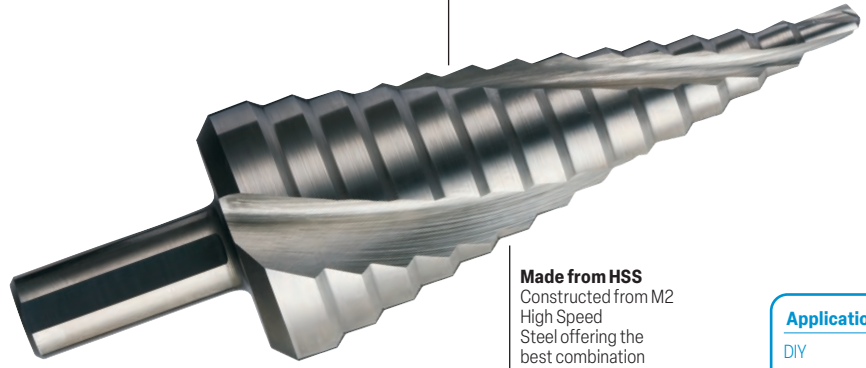


Diameter mm	O/A Length	Flute Length	Pieces	Item #	Barcode
					D175
3.0	49	16	1	D1750300	9311963378794
4.0	55	22	1	D1750400	9311963378800
5.0	62	25	1	D1750500	9311963378817
6.0	66	25	1	D1750600	9311963081748
8.0	79	29	1	D1750800	9311963081755
10.0	89	32	1	D1751000	9311963081762
12.0	102	32	1	D1751200	9311963081779
16.0	115	35	1	D1751600	9311963081786
20.0	131	37	1	D1752000	9311963081793
25.0	151	37	1	D1752500	9311963095066
Set SDT5	6.0, 8.0, 10.0, 12.0 & 16.0		5	D175SDT5	9311963339016

Drills Step Drills



For use in sheet metal, aluminium, plastic and fibre glass, ideal for sheet metal without pre-drilling. During drilling, the next step deburrs the previously drilled hole.



Fixed Drilling Steps
Spiral Flute for reduced vibration and greater control through steps

Made from HSS
Constructed from M2 High Speed Steel offering the best combination of strength, heat and wear resistance

Flat Shank
Three flats suits 3-jaw chuck

Application
DIY
Trade
Electrical
Plumbing

Diameter Range	Steps	Diameters	Shank	Pieces	Item #	Barcode
						D504
Metric						
4-12	5	4, 6, 8, 10, 12mm	Flat	1	D50441205	9311744445929
4-12	9	4, 5, 6, 7, 8, 9, 10, 11, 12mm	Flat	1	D50441209	9311744437474
4-20	9	4, 6, 8, 10, 12, 14, 16, 18, 20mm	Flat	1	D50442009	9311744437481
4-22	10	4, 6, 8, 10, 12, 14, 16, 18, 20, 22mm	Flat	1	D50442210	9311744445943
4-30	14	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30mm	Flat	1	D50443014	9311744437498
5-35	13	5, 7.5, 10, 13, 16, 19, 21, 23, 26, 29, 31, 33, 35mm	Flat	1	D50453513	9311744445950
6-18	7	6, 8, 10, 12, 14, 16, 18mm	Flat	1	D50461807	9311744445936
6-36	11	6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36mm	Flat	1	D50463611	9311744437504
Imperial						
1/4-3/4"	9	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	Flat	1	D50461909	9311744445981
3 Pce Set						
Includes:						
4-12	9	4, 5, 6, 7, 8, 9, 10, 11, 12mm	Flat	3	D504SET3	9311744445912
4-20	9	4, 6, 8, 10, 12, 14, 16, 18, 20mm				
4-30	14	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30mm				



D504SET3

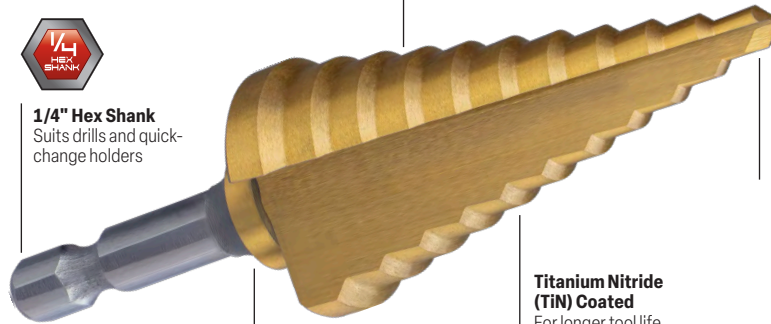
Drills Step Drills



For use in sheet metal, aluminium, plastic and fibre glass, ideal for sheet metal without pre-drilling. During drilling, the next step deburrs the previously drilled hole.



1/4" Hex Shank
Suits drills and quick-change holders



Fixed Drilling Steps
Two straight fluted cutting edges for greater control through steps

Thinned Chisel Edge
Reduces force required and increases speed

Titanium Nitride (TiN) Coated
For longer tool life

New & Improved Reinforced Shank
Reduces torsional stress decreasing likelihood of breakage

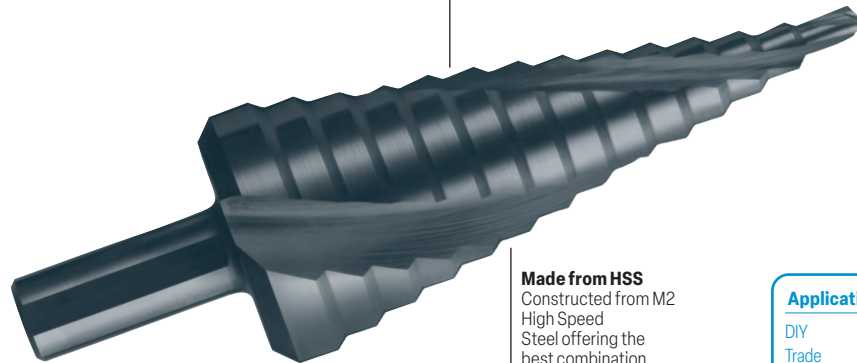
Application

- DIY
- Trade
- Electrical
- Plumbing

Diameter Range	Steps	Diameters	Shank Inch	Item #	Barcode
Metric					
4-12 [▲]	8	4, 5, 6, 7, 8, 10, 11, 12mm	1/4	149040120	9311744435135
4-25 [▲]	11	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 25mm	1/4	149040250	9311744435142



For use in sheet metal, aluminium, plastic and fibre glass, ideal for sheet metal without pre-drilling. During drilling, the next step deburrs the previously drilled hole.



Fixed Drilling Steps
Spiral Flute for reduced vibration and greater control through steps

Made from HSS
Constructed from M2 High Speed Steel offering the best combination of strength, heat and wear resistance

Flat Shank
Three flats suits 3-jaw chuck

Application

- DIY
- Trade
- Electrical
- Plumbing

Diameter Range	Steps	Diameters	Shank	Item #	Barcode
4-12 [▲]	9	4, 5, 6, 7, 8, 9, 10, 11, 12mm	Flat	149060007	9311744445899
4-20 [▲]	9	4, 6, 8, 10, 12, 14, 16, 18, 20mm	Flat	149060008	9311744445844
4-30 [▲]	14	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30mm	Flat	149060009	9311744445851
6-36 [▲]	11	6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36mm	Flat	149060010	9311744445868

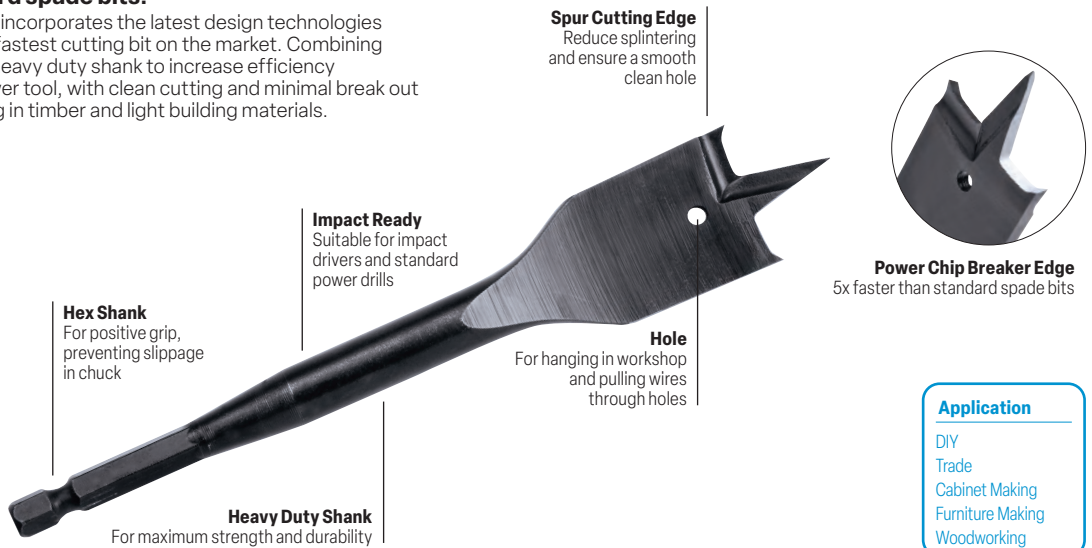
[▲]New look packaging depicted. Actual product packaging may differ from image shown.

Drills Spade Bits



5x faster than standard spade bits.

The Sutton Tools spade bit incorporates the latest design technologies for the most powerful and fastest cutting bit on the market. Combining a power chip-breaker and heavy duty shank to increase efficiency and battery life of your power tool, with clean cutting and minimal break out on exit. Designed for drilling in timber and light building materials.



Application

- DIY
- Trade
- Cabinet Making
- Furniture Making
- Woodworking

Diameter mm	Shank Inch	Pieces	Item #	Barcode
Spade Bits				D501
6.0	1/4	1	D5010600	9311963022048
8.0	1/4	1	D5010800	9311963015545
10.0	1/4	1	D5011000	9311963012452
12.0	1/4	1	D5011200	9311963071350
13.0	1/4	1	D5011300	9311963622316
14.0	1/4	1	D5011400	9311963071367
16.0	1/4	1	D5011600	9311963013794
18.0	1/4	1	D5011800	9311963071374
19.0	1/4	1	D5011900	9311963013145
20.0	1/4	1	D5012000	9311963071381
22.0	1/4	1	D5012200	9311963009155
24.0	1/4	1	D5012400	9311963071398
25.0	1/4	1	D5012500	9311963007908
28.0	1/4	1	D5012800	9311963013800
30.0	1/4	1	D5013000	9311963071404
32.0	1/4	1	D5013200	9311963014715
35.0	1/4	1	D5013500	9311963022055
38.0	1/4	1	D5013800	9311963022062
Sets				
3 Pce Set	19, 22, 25mm	3	D501SS3	9311963434087
6 Pce Set	10, 12, 16, 19, 22, 25mm (Vinyl Wallet)	6	D501SS6W	9311963595016
10 Pce Set	10, 12, 16, 19, 22, 25, 28, 32, 35, 38mm + Bonus 25mm (ABS Case)	10	D501SS10	9311963622293
Extension Shanks†				D502
150mm	Extension Shank	1	D502150L	9311963075471
300mm	Extension Shank	1	D502300L	9311963013817



D501SS3



D501SS6W



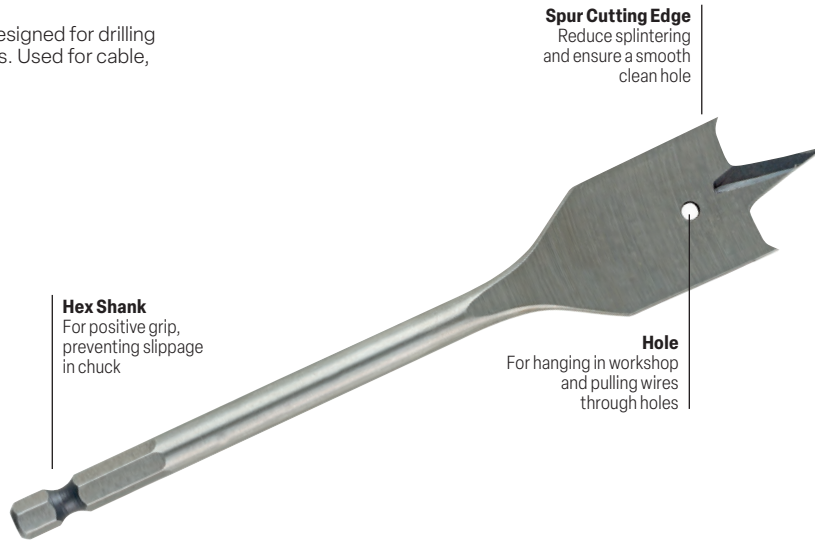
D501SS10

† Suitable for use with Spade Bits 19mm and larger

Drills Spade Bits



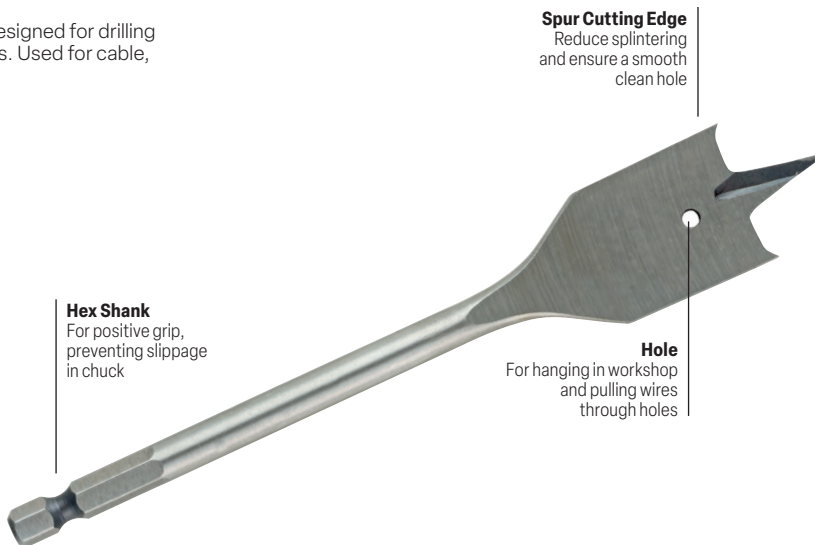
Clean cutting and minimal break, designed for drilling in timber and light building materials. Used for cable, window and pipe installation.
Made from Carbon Steel.



Description	Contents	Shank Inch	Pieces	Item #	Barcode
5 Pce Set	12, 16, 18, 20, 25mm	1/4	5	166044647	9311744446476



Clean cutting and minimal break, designed for drilling in timber and light building materials. Used for cable, window and pipe installation.
Made from Carbon Steel.

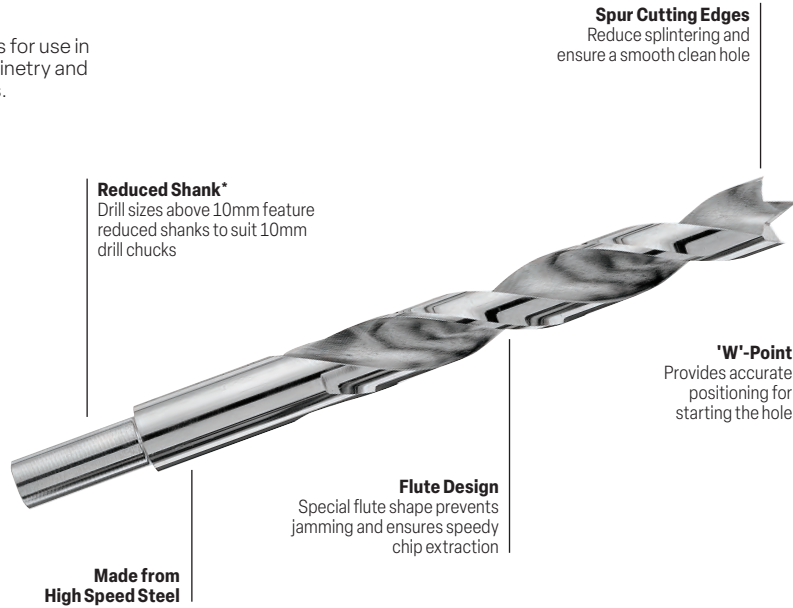


Description	Contents	Shank Inch	Pieces	Item #	Barcode
5 Pce Set	12, 16, 18, 20, 25mm	1/4	5	92286	9312621922861

Drills Brad Points



Precision ground brad point drills for use in furniture making, dowelling, cabinetry and other woodworking applications.



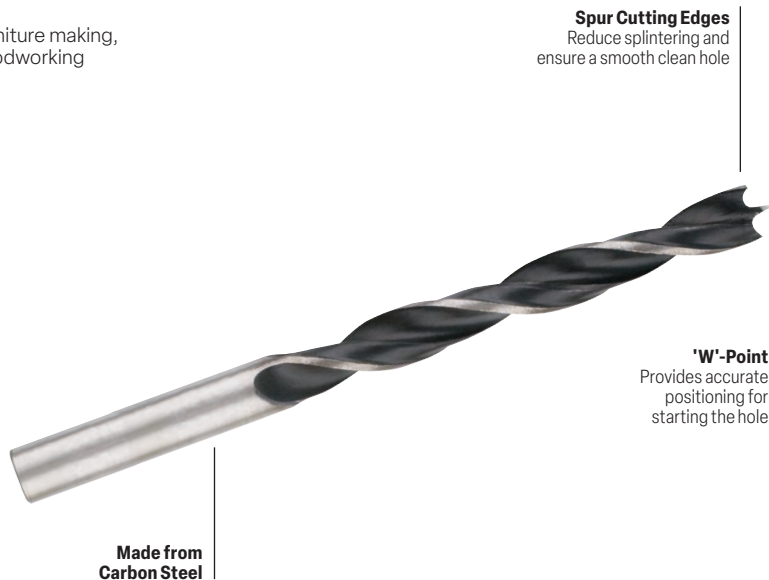
Application

- DIY
- Trade
- Cabinet Making
- Furniture Making
- Woodworking

Diameter mm	O/A Length	Flute Length	Shank mm	Item #	Barcode
Brad Points	mm	mm			D500
4.0	75	43	4	D5000400	9311963098340
5.0	86	52	5	D5000500	9311963098357
6.0	93	57	6	D5000600	9311963098364
8.0	117	75	8	D5000800	9311963098371
9.5	125	81	9.5	D5000950	9311963098388
10.0	133	87	10	D5001000	9311963098395
12.0*	151	101	10	D5001200	9311963098401



Frost Brad Point drills for use in furniture making, dowelling, cabinetry and other woodworking applications.



Application

- DIY
- Trade
- Cabinet Making
- Furniture Making
- Woodworking

Description	Drill Sizes	Pieces	Item #	Barcode
Wood Drill Set	3, 4, 5, 6, 7, 8, 9 & 10mm	8	92270*	9312621922700

*Not available once current stock is depleted.

Drills Forstner Bits – Power Groove



For drilling precise flat-bottomed, overlapping or partial holes with smooth sides in wood, MDF or chipboard. 26mm and 35mm Forstner Bits are suitable for installation of Euro-style hinges.



1/4" Hex Shank
Suited for use with most power drills

Power Groove
Enables use with quick-change adaptors



Rim-Guided Edge
Drills cleanly without deflection

Centre Point
Ensures an accurate start and prevents wandering

Smooth Sides & Flat Bottom Finish

Application

DIY
Trade
Carpentry

Diameter mm	O/A Length	Shank mm	Pieces	Item #	Barcode
Forstner Bits					D523
10	90	1/4	1	D5230100	9311963638195
12	90	1/4	1	D5230120	9311963638201
14	90	1/4	1	D5230140	9311963638218
15	90	1/4	1	D5230150	9311963638225
16	90	1/4	1	D5230160	9311963638232
18	90	1/4	1	D5230180	9311963638249
20	90	1/4	1	D5230200	9311963638256
22	90	1/4	1	D5230220	9311963638263
25	90	1/4	1	D5230250	9311963638270
26	90	1/4	1	D5230260	9311963638287
30	90	1/4	1	D5230300	9311963638294
35	90	1/4	1	D5230350	9311963638300
Sets					
4 Pce Set	16, 20, 26 & 35mm	1/4	4	D5230004	9311963638171
12 Pce Set	10, 12, 14, 15, 16, 18, 20, 22, 25, 26, 30 & 35mm	1/4	12	D5230012	9311963638188



D5230004

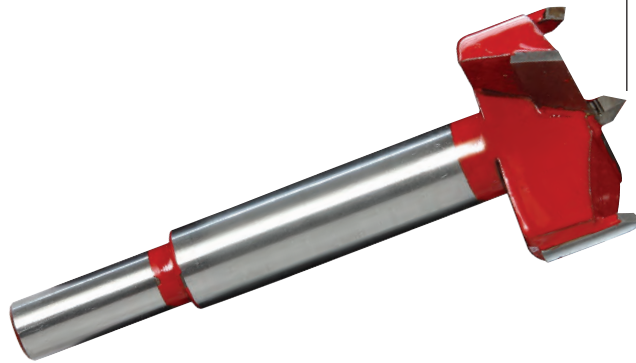


D5230012

Drills Forstner Bits



Designed for the installation of cupboard hinges. These bits are carbide tipped for longer life in cutting abrasive particle board, MDF and timber.



Carbide Tipped
For longer tool life in installation of cupboard hinges

Diameter mm	O/A Length	Shank mm	Item #	Barcode
Forstner Bit	mm			
35	85	8	92262	9312621922625

Drills Quickbits® – Hinge Mate



Ideal for drilling exact pilot holes in cabinet door hinges and door butts.

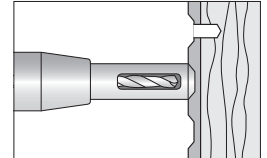


Shank
1/4" hex shank suits quick change adaptors

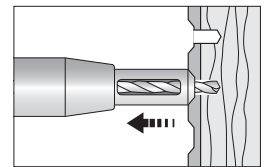
Adjustable Drill Depth

Spring Loaded Outer Guide with Chamfered Head
Makes accurate pilot holes for hinges

Hinge Mate Guide



1. The nosepiece bevel centres itself in the hinge's countersink.



2. Applying pressure causes the nosepiece to retract allowing the bit to drill a perfectly centred pilot hole.

Diameter Inch	Diameter mm	O/A Length	Screw Gauge	Shank Inch	Pieces	Item #	Barcode
Hinge Mate		mm					
5/64	1.98	89	3g - 4g	1/4	1	1710781	9311744435821
3/32	2.38	89	5g - 6g	1/4	1	1710937	9311744435838
7/64	2.78	94	5g - 6g	1/4	1	1711094	9311744435845
1/8	3.18	100	8g - 10g	1/4	1	1711250	9311744435852
9/64	3.57	100	8g - 10g	1/4	1	1711406	9311744435869
4 Pce Set	5/64, 7/64, 9/64 & Adaptor			1/4	4	1714000	9311744435890

Drills Auger Bits – 4 Flute



Designed for machine and hand drilling into hard and soft wood. Four cutting edges makes cutting up to 5 times faster than standard spade bits.

Coarse Screw Point
Draws the bit into the work piece providing fast drilling in hard and soft woods



Hex Shank
For positive grip, preventing slippage in chuck



Four Cutting Edges
Cuts up to 5 times faster than standard spade bits

TCA
Made from Tungsten Chrome Alloy

Application

- DIY
- Trade
- Electrical
- Plumbing
- Carpentry
- Woodworking
- Roofing

Diameter mm	O/A Length	Flute Length	Shank Inch	Pieces	Item #	Barcode
4 Flute	mm	mm				D514
10.0	165	42	1/4	1	D5141000	9311963551715
13.0	165	45	1/4	1	D5141300	9311963551722
16.0	165	45	1/4	1	D5141600	9311963551739
19.0	165	45	7/16	1	D5141900	9311963551746
22.0	165	42	7/16	1	D5142200	9311963551753
25.0	165	42	7/16	1	D5142500	9311963551760
32.0	165	45	7/16	1	D5143200	9311963551777
Sets						
3 Pce Set	16, 19, 25mm			3	D5140003	9311963551784
5 Pce Set	16, 19, 22, 25, 32mm			5	D5140005	9311963551791



D5140003

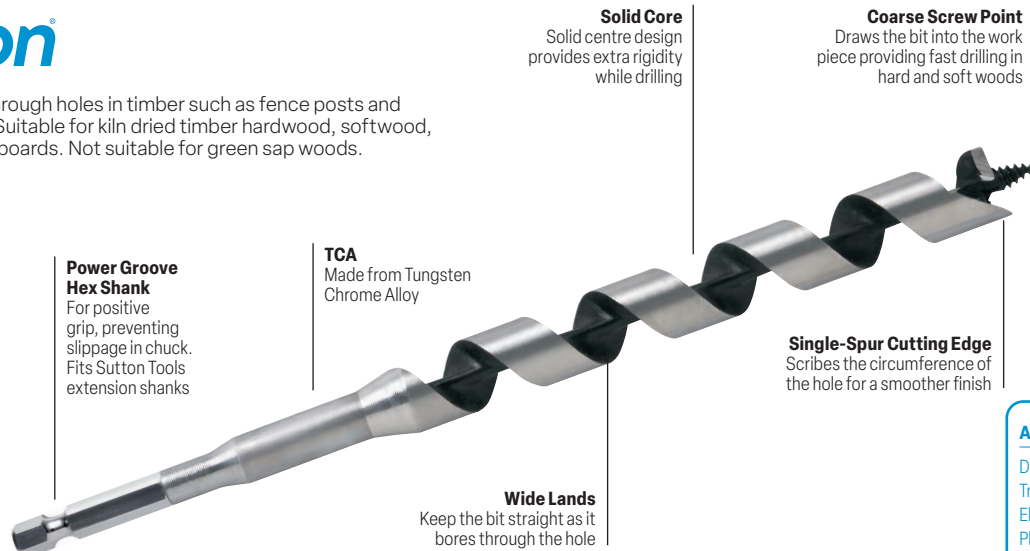


D5140005

Drills Auger Bits



For fast cutting through holes in timber such as fence posts and railway sleepers. Suitable for kiln dried timber hardwood, softwood, MDF and particle boards. Not suitable for green sap woods.



Application

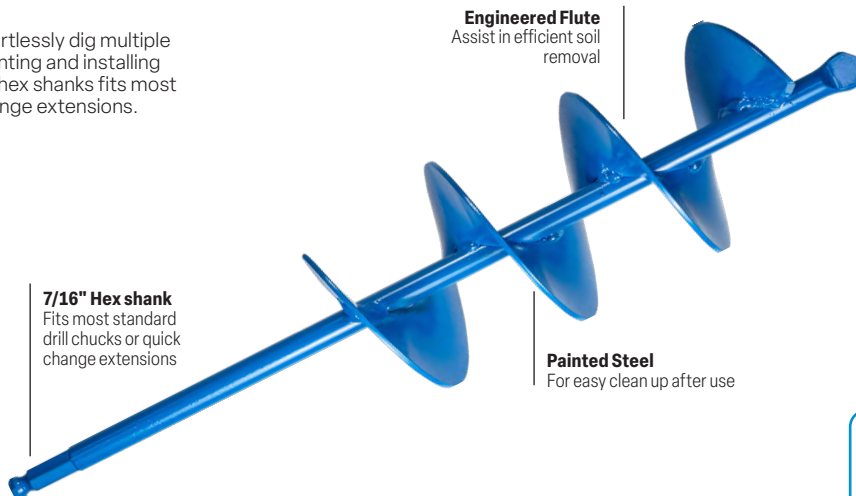
- DIY
- Trade
- Electrical
- Plumbing
- Carpentry
- Woodworking
- Roofing

Diameter mm	O/A Length	Flute Length	Shank Inch	Item #	Barcode
Short Series					D510
6.0	160	100	1/4	D5100600	9311963371504
8.0	170	100	1/4	D5100800	9311963371511
10.0	190	120	1/4	D5101000	9311963371528
12.0	190	120	1/4	D5101200	9311963371535
13.0	190	120	7/16	D5101300	9311963371542
14.0	200	130	7/16	D5101400	9311963371559
16.0	200	130	7/16	D5101600	9311963371566
18.0	200	130	7/16	D5101800	9311963371573
20.0	210	140	7/16	D5102000	9311963371580
22.0	210	140	7/16	D5102200	9311963371597
25.0	210	140	7/16	D5102500	9311963371603
Medium Series					D511
8.0	225	165	1/4	D5110800	9311963371610
10.0	250	190	1/4	D5111000	9311963371627
12.0	270	195	1/4	D5111200	9311963371634
14.0	290	210	7/16	D5111400	9311963371641
16.0	290	210	7/16	D5111600	9311963371658
18.0	330	240	7/16	D5111800	9311963371665
20.0	330	240	7/16	D5112000	9311963371672
22.0	330	240	7/16	D5112200	9311963371689
25.0	330	240	7/16	D5112500	9311963371696
Long Series					D512
6.0	460	400	1/4	D5120600	9311963545370
8.0	460	400	1/4	D5120800	9311963545387
10.0	500	400	1/4	D5121000	9311963371733
12.0	500	400	1/4	D5121200	9311963371740
13.0	500	400	7/16	D5121300	9311963371757
14.0	500	400	7/16	D5121400	9311963371764
16.0	500	400	7/16	D5121600	9311963371771
18.0	500	400	7/16	D5121800	9311963371788
20.0	500	400	7/16	D5122000	9311963371795
22.0	500	400	7/16	D5122200	9311963371801
25.0	500	400	7/16	D5122500	9311963371818

Drills Auger Bits – Garden

sutton

Transform your power drill to effortlessly dig multiple holes in pliable soil. Suited for planting and installing garden structures quickly. 7/16" hex shanks fits most standard drill chucks or quick change extensions.



Application

- DIY
- Trade
- Landscaping
- Gardening

Diameter mm	O/A Length	Shank Inch	Item #	Barcode
Garden Auger		mm		D520
50	450	7/16	D5200050	9311963627571
75	450	7/16	D5200075	9311963627588
100	450	7/16	D5200100	9311963625867
150	450	7/16	D5200150	9311963625874
Garden Auger Adaptor M14 (Stirrer/Mixer)				D522
	75	7/16	D5220075	9311963634449

Drills Masonry SDS Plus – 2 Cut



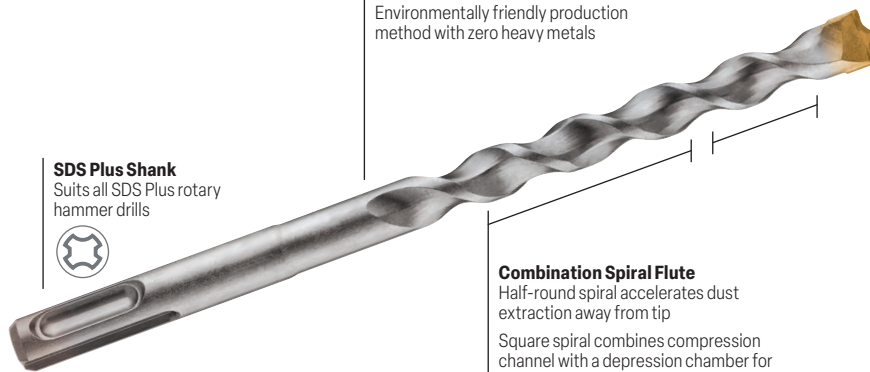
Professional quality, 30% faster than conventional SDS drills.
For concrete, brick, aerated concrete, stone and granite.



SDS Plus Shank
Suits all SDS Plus rotary hammer drills



Sand-blasted Finish
Environmentally friendly production method with zero heavy metals



Combination Spiral Flute
Half-round spiral accelerates dust extraction away from tip
Square spiral combines compression channel with a depression chamber for perfectly controlled dust removal



Patented Destructor Carbide Tip
Aggressive Z-shape self centring point with wavy cutting edges for superior destruction capacity



Application

- DIY
- Trade
- Professional
- Electrical
- Plumbing
- Carpentry
- Plastering
- Masonry

Diameter mm	O/A Length	Flute Length	Shank	Item #	Barcode
110mm overall length					
D612					
5.0	110	50	SDS Plus	D6120500	9311963152189
5.5	110	50	SDS Plus	D6120550	9311963152196
6.0	110	50	SDS Plus	D6120600	9311963152202
6.5	110	50	SDS Plus	D6120650	9311963152219
7.0	110	50	SDS Plus	D6120700	9311963152226
8.0	110	50	SDS Plus	D6120800	9311963152233
10.0	110	50	SDS Plus	D6121000	9311963152257
160mm overall length					
D613					
5.0	160	100	SDS Plus	D6130500	9311963152264
5.5	160	100	SDS Plus	D6130550	9311963152271
6.0	160	100	SDS Plus	D6130600	9311963152288
6.5	160	100	SDS Plus	D6130650	9311963152295
7.0	160	100	SDS Plus	D6130700	9311963152301
8.0	160	100	SDS Plus	D6130800	9311963152318
9.0	160	100	SDS Plus	D6130900	9311963152325
10.0	160	100	SDS Plus	D6131000	9311963152332
11.0	160	100	SDS Plus	D6131100	9311963152339
12.0	160	100	SDS Plus	D6131200	9311963152346
13.0	160	100	SDS Plus	D6131300	9311963152353
14.0	160	100	SDS Plus	D6131400	9311963152360
15.0	160	100	SDS Plus	D6131500	9311963152367
16.0	160	100	SDS Plus	D6131600	9311963152374
210mm overall length					
D614					
6.0	210	150	SDS Plus	D6140600	9311963152400
6.5	210	150	SDS Plus	D6140650	9311963152407
8.0	210	150	SDS Plus	D6140800	9311963152414
10.0	210	150	SDS Plus	D6141000	9311963152421
12.0	210	150	SDS Plus	D6141200	9311963152428
13.0	210	150	SDS Plus	D6141300	9311963152435
14.0	210	150	SDS Plus	D6141400	9311963152442
16.0	210	150	SDS Plus	D6141600	9311963152449
18.0	210	150	SDS Plus	D6141800	9311963152456
20.0	210	150	SDS Plus	D6142000	9311963152463
22.0	210	150	SDS Plus	D6142200	9311963152470
25.0	210	150	SDS Plus	D6142500	9311963152477
260mm overall length					
D615					
6.0	260	200	SDS Plus	D6150600	9311963152484
6.5	260	200	SDS Plus	D6150650	9311963152491
8.0	260	200	SDS Plus	D6150800	9311963152498
10.0	260	200	SDS Plus	D6151000	9311963152505
12.0	260	200	SDS Plus	D6151200	9311963152512
13.0	260	200	SDS Plus	D6151300	9311963152519
14.0	260	200	SDS Plus	D6151400	9311963152526
16.0	260	200	SDS Plus	D6151600	9311963152533
18.0	260	200	SDS Plus	D6151800	9311963152540
20.0	260	200	SDS Plus	D6152000	9311963152547
22.0	260	200	SDS Plus	D6152200	9311963152554
24.0	260	200	SDS Plus	D6152400	9311963152561
25.0	260	200	SDS Plus	D6152500	9311963152568
310mm overall length					
D627					
6.0	310	260	SDS Plus	D6270600	9311963152575
8.0	310	260	SDS Plus	D6270800	9311963152582
10.0	310	260	SDS Plus	D6271000	9311963152589
12.0	310	260	SDS Plus	D6271200	9311963152596
13.0	310	260	SDS Plus	D6271300	9311963152603
14.0	310	260	SDS Plus	D6271400	9311963152610
16.0	310	260	SDS Plus	D6271600	9311963152617
18.0	310	260	SDS Plus	D6271800	9311963152624
20.0	310	260	SDS Plus	D6272000	9311963152631
22.0	310	260	SDS Plus	D6272200	9311963152638
24.0	310	260	SDS Plus	D6272400	9311963152645
25.0	310	260	SDS Plus	D6272500	9311963152652

Diameter mm	O/A Length	Flute Length	Shank	Item #	Barcode
410mm overall length					
D616					
8.0	410	350	SDS Plus	D6160800	9311963154000
10.0	410	350	SDS Plus	D6161000	9311963152745
12.0	410	350	SDS Plus	D6161200	9311963152769
13.0	410	350	SDS Plus	D6161300	9311963152776
14.0	410	350	SDS Plus	D6161400	9311963154171
16.0	410	350	SDS Plus	D6161600	9311963152806
18.0	410	350	SDS Plus	D6161800	9311963154242
20.0	410	350	SDS Plus	D6162000	9311963152820
22.0	410	350	SDS Plus	D6162200	9311963152837
24.0	410	350	SDS Plus	D6162400	9311963154531
25.0	410	350	SDS Plus	D6162500	9311963152851
460mm overall length					
D628					
8.0	460	400	SDS Plus	D6280800	9311963154448
10.0	460	400	SDS Plus	D6281000	9311963154555
12.0	460	400	SDS Plus	D6281200	9311963154662
13.0	460	400	SDS Plus	D6281300	9311963154770
14.0	460	400	SDS Plus	D6281400	9311963154887
16.0	460	400	SDS Plus	D6281600	9311963154994
18.0	460	400	SDS Plus	D6281800	9311963155099
20.0	460	400	SDS Plus	D6282000	9311963155161
610mm overall length					
D629					
8.0	610	550	SDS Plus	D6290800	9311963155554
10.0	610	550	SDS Plus	D6291000	9311963155661
12.0	610	550	SDS Plus	D6291200	9311963155778
14.0	610	550	SDS Plus	D6291400	9311963155885
16.0	610	550	SDS Plus	D6291600	9311963155992
18.0	610	550	SDS Plus	D6291800	9311963156099
20.0	610	550	SDS Plus	D6292000	9311963156161
22.0	610	550	SDS Plus	D6292200	9311963156223
24.0	610	550	SDS Plus	D6292400	9311963156339
25.0	610	550	SDS Plus	D6292500	9311963156446
1000mm overall length					
D630					
8.0	1000	940	SDS Plus	D6300800	9311963156553
10.0	1000	940	SDS Plus	D6301000	9311963156660
12.0	1000	940	SDS Plus	D6301200	9311963156777
14.0	1000	940	SDS Plus	D6301400	9311963156884
16.0	1000	940	SDS Plus	D6301600	9311963156991
18.0	1000	940	SDS Plus	D6301800	9311963157077
20.0	1000	940	SDS Plus	D6302000	9311963157149
Sets					
D613					
4Pce: 6,8, 10,12mm	160	100	SDS Plus	D6130004	9311963159171
7Pce: 5,6,8 6,8,10,12 mm	110	50	SDS Plus	D6130007	931196315721
	160	100			

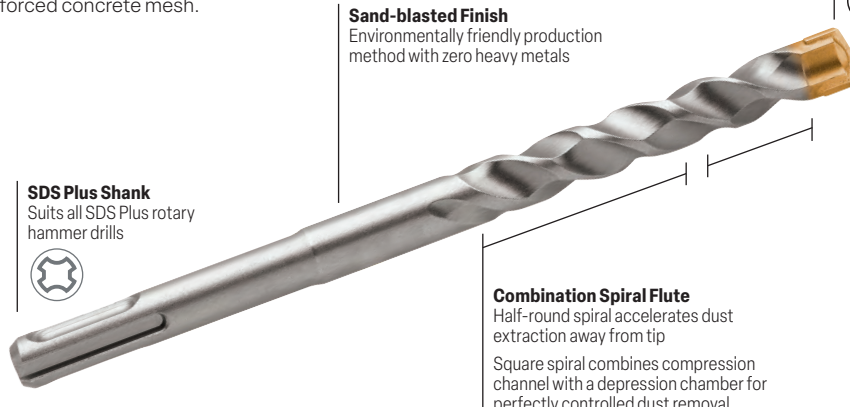


The PGM standard (PGM stands for "Prüfgemeinschaft Mauerbohrer" – drill bit testing) is the only guarantee of a perfect geometry for the precise drilling and preferred setting of your anchor studs. It is recommended to use only drill bits with this marking for anchor fixings to prevent accidents and liability cases.

Drills Masonry SDS Plus – Reo Pro 3 Cut



Professional quality, 30% faster than conventional SDS drills. Will drill through reinforced concrete mesh.



Unique TCT
Three cutting edge self centring tip prevents snagging on reinforced mesh



Sand-blasted Finish
Environmentally friendly production method with zero heavy metals

SDS Plus Shank
Suits all SDS Plus rotary hammer drills



Combination Spiral Flute
Half-round spiral accelerates dust extraction away from tip
Square spiral combines compression channel with a depression chamber for perfectly controlled dust removal



Application

- DIY
- Trade
- Professional
- Electrical
- Plumbing
- Carpentry
- Plastering
- Masonry

Diameter mm	O/A Length	Flute Length	Shank	Item #	Barcode
110mm overall length SDS Plus					
					D619
5.0	110	50	SDS Plus	D6190500	9311963615745
6.0	110	50	SDS Plus	D6190600	9311963615769
6.5	110	50	SDS Plus	D6190650	9311963615776
8.0	110	50	SDS Plus	D6190800	9311963615783
10.0	110	50	SDS Plus	D6191000	9311963615790
160mm overall length SDS Plus					
					D623
5.0	160	100	SDS Plus	D6230500	9311963615806
5.5	160	100	SDS Plus	D6230550	9311963615813
6.0	160	100	SDS Plus	D6230600	9311963585406
6.5	160	100	SDS Plus	D6230650	9311963585413
8.0	160	100	SDS Plus	D6230800	9311963585420
10.0	160	100	SDS Plus	D6231000	9311963585437
12.0	160	100	SDS Plus	D6231200	9311963585444
13.0	160	100	SDS Plus	D6231300	9311963585451
14.0	160	100	SDS Plus	D6231400	9311963615820
210mm overall length SDS Plus					
					D624
6.0	210	150	SDS Plus	D6240600	9311963585468
6.5	210	150	SDS Plus	D6240650	9311963585475
8.0	210	150	SDS Plus	D6240800	9311963585482
10.0	210	150	SDS Plus	D6241000	9311963585499
12.0	210	150	SDS Plus	D6241200	9311963585505
13.0	210	150	SDS Plus	D6241300	9311963585512
14.0	210	150	SDS Plus	D6241400	9311963585529
16.0	210	150	SDS Plus	D6241600	9311963585536
18.0	210	150	SDS Plus	D6241800	9311963585543
20.0	210	150	SDS Plus	D6242000	9311963615837
310mm overall length SDS Plus					
					D625
6.0	310	250	SDS Plus	D6250600	9311963615844
6.5	310	250	SDS Plus	D6250650	9311963585550
8.0	310	250	SDS Plus	D6250800	9311963615851
10.0	310	250	SDS Plus	D6251000	9311963585567
12.0	310	250	SDS Plus	D6251200	9311963585574
14.0	310	250	SDS Plus	D6251400	9311963585581
16.0	310	250	SDS Plus	D6251600	9311963585598
18.0	310	250	SDS Plus	D6251800	9311963585604
20.0	310	250	SDS Plus	D6252000	9311963585611

Diameter mm	O/A Length	Flute Length	Shank	Item #	Barcode
460mm overall length SDS Plus					
					D626
8.0	460	400	SDS Plus	D6260800	9311963615868
10.0	460	400	SDS Plus	D6261000	9311963615875
12.0	460	400	SDS Plus	D6261200	9311963615882
14.0	460	400	SDS Plus	D6261400	9311963615889
16.0	460	400	SDS Plus	D6261600	9311963585628
18.0	460	400	SDS Plus	D6261800	9311963615905
20.0	460	400	SDS Plus	D6262000	9311963585635
Sets SDS Plus					
					D623
4 Pce: 6, 8, 10, 12mm					
	160	100	SDS Plus	D6230004	9311963591988
7 Pce: 6, 8, 10, 6, 8, 10, 12					
	110	50	SDS Plus	D6230007	9311963615929
	160	100			



The PGM standard (PGM stands for "Prüfgemeinschaft Mauerbohrer" – drill bit testing) is the only guarantee of a perfect geometry for the precise drilling and preferred setting of your anchor studs. It is recommended to use only drill bits with this marking for anchor fixings to prevent accidents and liability cases.

Drills Masonry SDS Max – Reo Pro 3 Cut

sutton

Professional quality, 30% faster than conventional SDS drills. Will drill through reinforced concrete mesh.

Unique TCT Tip
3 cutting edge self centring tip prevents snagging on reinforced mesh

3CUT



Sand-blasted Finish
Environmentally friendly production method with zero heavy metals

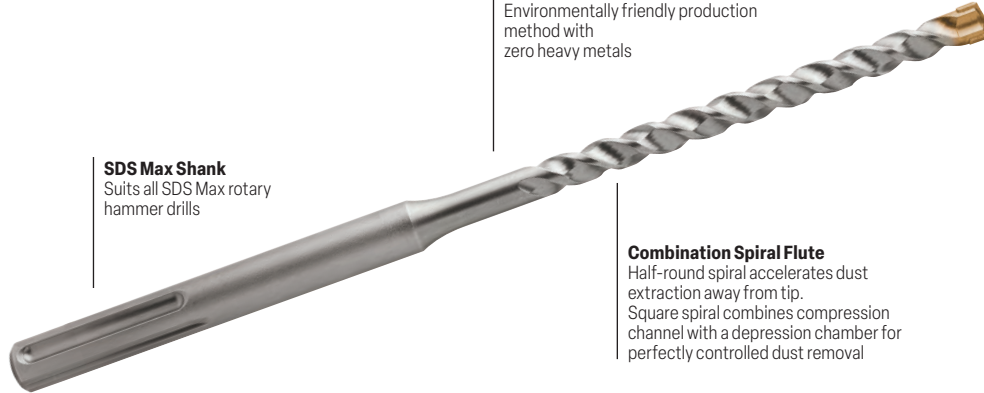
SDS Max Shank
Suits all SDS Max rotary hammer drills

Combination Spiral Flute
Half-round spiral accelerates dust extraction away from tip. Square spiral combines compression channel with a depression chamber for perfectly controlled dust removal



Application

Trade
Professional
Plumbing
Masonry



Diameter mm	O/A Length	Flute Length	Shank	Item #	Barcode
340mm overall length					D675
12.0	340	200	SDS Max	D6751200	9311963618968
14.0	340	200	SDS Max	D6751400	9311963618975
16.0	340	200	SDS Max	D6751600	9311963618982
18.0	340	200	SDS Max	D6751800	9311963618999
20.0	340	200	SDS Max	D6752000	9311963619002
540mm overall length					D676
12.0	540	400	SDS Max	D6761200	9311963619019
14.0	540	400	SDS Max	D6761400	9311963619026
16.0	540	400	SDS Max	D6761600	9311963619033
18.0	540	400	SDS Max	D6761800	9311963619040
20.0	540	400	SDS Max	D6762000	9311963619057

Drills Masonry SDS Max – Reo Extreme 10 Cut

sutton

100% Carbide head. Superior performance in reinforced concrete. Fits SDS Max drills.

100% Carbide Head
With 10-Cut head for increase speed and robust performance for 100's holes in reinforced concrete

10CUT

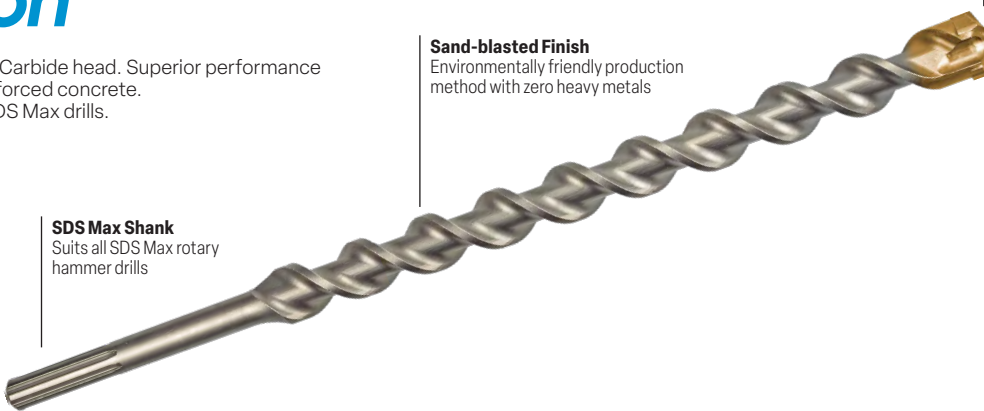
Sand-blasted Finish
Environmentally friendly production method with zero heavy metals

SDS Max Shank
Suits all SDS Max rotary hammer drills



Application

Trade
Professional
Plumbing
Masonry



Diameter mm	O/A Length	Flute Length	Shank	Item #	Barcode
340mm overall length					D644
26.0	340	200	SDS Max	D6442600	9311963617756
42.0	340	200	SDS Max	D6444200	9311963617831
540mm overall length					D645
24.0	540	400	SDS Max	D6452400	9311963617930
26.0	540	400	SDS Max	D6452600	9311963617954



The PGM standard (PGM stands for "Prüfgemeinschaft Mauerbohrer" – drill bit testing) is the only guarantee of a perfect geometry for the precise drilling and preferred setting of your anchor studs. It is recommended to use only drill bits with this marking for anchor fixings to prevent accidents and liability cases.

Drills Masonry – SDS Plus & Chisel Set



DIY quality for use in general masonry applications.



Application

DIY
Trade
Electrical
Plumbing
Carpentry
Plastering
Masonry

Description	Pieces	Item #	Barcode
SDS Plus Masonry Drill & Chisel Set			
12 Masonry Drills: 5, 6, 8, 10 x 110mm; 6, 8, 10, 12 x 160mm; 8, 10, x 210mm; 10, 12 x 260mm 3 Flat Chisels: 20 x 140mm; 20 x 250mm; 40 x 250mm & 2 Point Chisels: 14 x 140mm; 14 x 250mm	17	92346	9312621923462

Drills Masonry – Impact

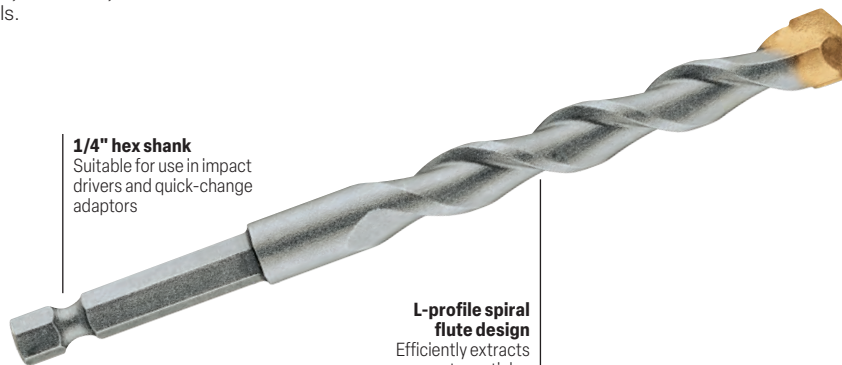


Supabits are developed for use with the high torque output of an impact driver. Suitable for use in natural and artificial stone, brickwork, concrete and masonry materials.

Positively sharpened
Carbide tip with 2 cutting edges



1/4" hex shank
Suitable for use in impact drivers and quick-change adaptors



L-profile spiral flute design
Efficiently extracts concrete particles

Application

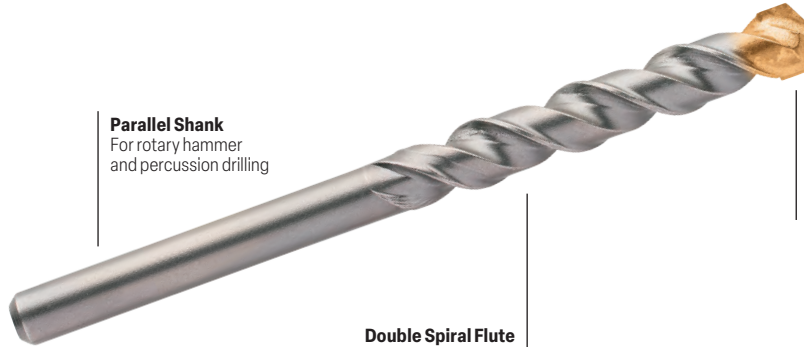
DIY
Trade
Electrical
Plumbing
Carpentry
Plastering
Masonry

Diameter mm	O/A Length	Flute Length	Shank Inch	Plug Colour	Item #	Barcode
Supabit	mm	mm				D609
3.0	80	30	1/4	Yellow	D6090300	9311963600697
4.0	90	40	1/4		D6090400	9311963600703
5.0	100	40	1/4	White	D6090500	9311963600710
6.0	110	65	1/4	Red	D6090600	9311963600727
6.5	110	65	1/4	Green	D6090650	9311963604404
8.0	120	70	1/4	Blue	D6090800	9311963600734
10.0	120	73	1/4	Orange	D6091000	9311963600741

Drills Masonry



Tradesman quality ideal for use in natural and artificial stone, masonry, brickwork and concrete.



TCT Point
Two cutting edged carbide percussion tip with semi positive profile for aggressive drilling in hard materials

Parallel Shank
For rotary hammer and percussion drilling

Brazed Tip
Unique brazing process ensures a perfect bond between tip and body

Double Spiral Flute
Rolled double flute, provides greater dust extraction, extending drill life

Application

- DIY
- Trade
- Electrical
- Plumbing
- Carpentry
- Plastering
- Masonry

Diameter mm	O/A Length	Shank mm	Plug Colour	Item #	Barcode
Standard Fixing					D600
3.0	60		Yellow	D6000300	93220705
4.0	75			D6000400	93220712
5.0	85		White	D6000500	93220729
5.5	95		Red	D6000550	93220736
6.0	100			D6000600	93220743
6.5	100		Green	D6000650	93220750
7.0	100			D6000700	93220767
8.0	120		Blue	D6000800	93220774
9.0	120			D6000900	93220781
10.0	120		Orange	D6001000	93220798
12.0	120	10		D6001200	93220811
13.0	120	10		D6001300	93220828
Single Brick					D601
5.0	150		White	D6010500	93220835
5.5	150		Red	D6010550	93220842
6.0	150			D6010600	93220859
6.5	150		Green	D6010650	93220866
7.0	150			D6010700	93220873
8.0	150		Blue	D6010800	93220880
10.0	150		Orange	D6011000	93220897
11.0	150	10	Grey	D6011100	93220903
12.0	150	10		D6011200	93220910
13.0	150	10		D6011300	93220927
14.0	150	10		D6011400	93220934
16.0	150	12.7	Black	D6011600	93220941
20.0	160	12.7		D6012000	93221337
22.0	160	12.7		D6012200	93221344
25.0	160	12.7		D6012500	93221351
Double Brick					D602
6.5	400			D6020650	9311963003740
8.0	400			D6020800	9311963005539
10.0	400			D6021000	9311963003177
13.0	400	10		D6021300	9311963003948
16.0	400	12.7		D6021600	9311963004716
20.0	400	12.7		D6022000	9311963008288
22.0	400	12.7		D6022200	9311963010823
25.0	400	12.7		D6022500	9311963009179

Sets	Contents	Pieces	Item #	Barcode
Masonry Set	(SF): 4.0, 5.0, 5.5, 6.5, 8.0, 10.0mm	6	D600SMD2	9311963080055
Combination Set	Masonry: 5.5, 6.0, 6.5, 8.0mm HSS: 1.5, 2.0, 3.0, 4.0, 5.0mm	9	D6000009	9311963335049

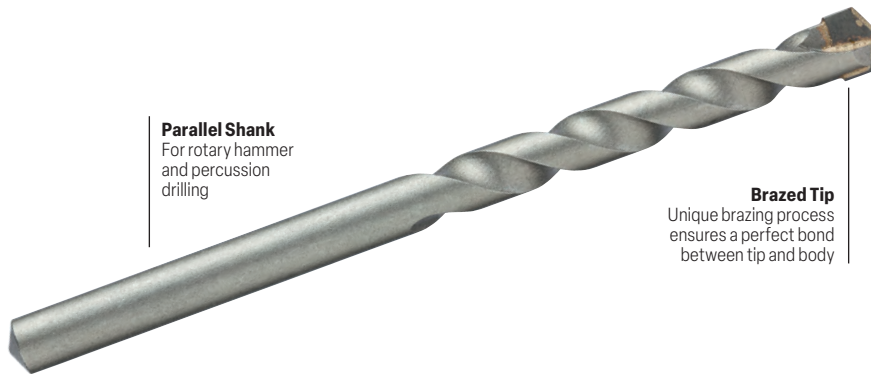


(SF) – Standard Fixing (SB) – Single Brick (DB) – Double Brick

Drills Masonry – DIY Set



DIY quality for use in general masonry applications.



Parallel Shank
For rotary hammer and percussion drilling

TCT Point
Carbide tip with two cutting edges

Brazed Tip
Unique brazing process ensures a perfect bond between tip and body

Application

DIY
Trade
Electrical
Plumbing
Carpentry
Plastering
Masonry

Description	Pieces	Item #	Barcode
Masonry Drill Set 4, 5, 6, 8, 9, 10, 12mm	7	166044644	9311744446445

Drills Adjustable Drill Depth Stop



P&N Adjustable Drill Depth Stops enable users to consistently drill holes to the same depth every time. By twisting the sleeve, they can be easily adjusted to suit the required drilling depth.

Suitable for use with a wide variety of drills such as HSS twist drills, brad points and even masonry drills on diameters from 3-13mm.



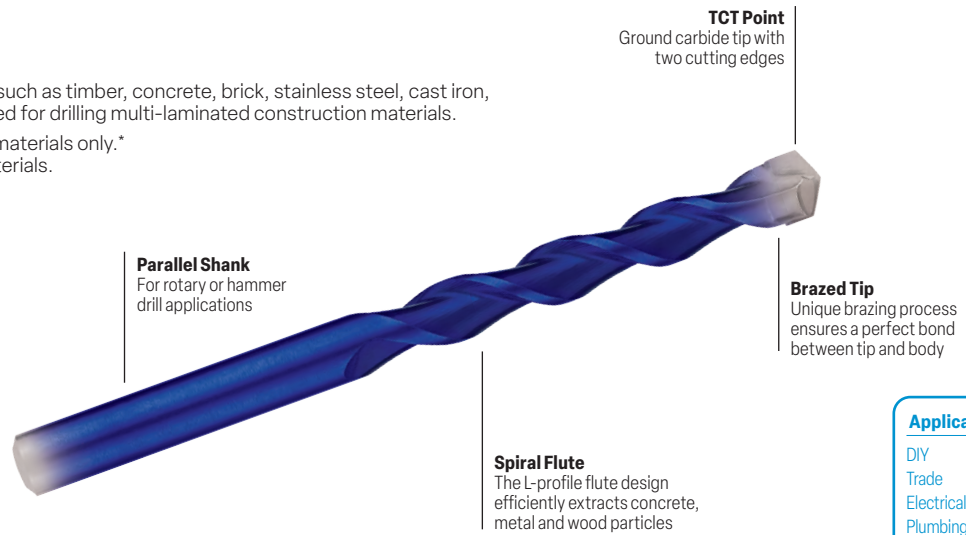
Description	Pieces	Item #	Barcode
Adjustable Drill Depth Stop			
Small 3-5mm	1	149060017	9311744447114
Medium 5.1-8mm	1	149060018	9311744447121
Large 8.1-13mm	1	149060019	9311744447138
3 Pce Set: Small, Medium & Large	3	149060020	9311744447145

Drills Multi-Purpose

sutton®

For drilling in various materials such as timber, concrete, brick, stainless steel, cast iron, steel and glass. Especially suited for drilling multi-laminated construction materials.

Hammer Action: For masonry materials only.*
 Rotary Action: For all other materials.



Application

- DIY
- Trade
- Electrical
- Plumbing
- Carpentry
- Plastering
- Masonry

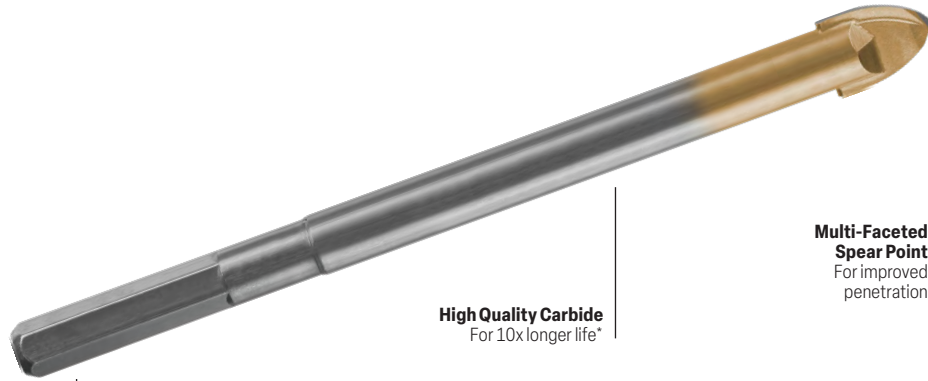
Diameter mm	O/A Length	Plug Colour	Item #	Barcode
Standard Length			D610	
3.0	60	☀ Yellow	D6100300	9311963432502
4.0	75		D6100400	9311963432519
5.0	85	☼ White	D6100500	9311963432526
5.5	85	☼ Red	D6100550	9311963432533
6.0	100		D6100600	9311963432540
6.5	100	☼ Green	D6100650	9311963432557
7.0	100		D6100700	9311963432564
8.0	120	☼ Blue	D6100800	9311963432571
9.0	120		D6100900	9311963432588
10.0	120	☼ Orange	D6101000	9311963432595
12.0	150		D6101200	9311963432649
13.0	150		D6101300	9311963432847
14.0	150		D6101400	9311963432656
15.0	150		D6101500	9311963432854
16.0	150	☼ Black	D6101600	9311963432861
Extra Length			D611	
6.5	300	☼ Green	D6110653	9311963432878
7.0	300		D6110703	9311963432885
8.0	300	☼ Blue	D6110803	9311963432663
10.0	300	☼ Orange	D6111003	9311963432670
12.0	300		D6111203	9311963432687
13.0	300		D6111303	9311963432892

*Drilling masonry materials prior to wood or steel will dull tip reducing the cutting performance.

Drills Glass & Tile

sutton

For smooth drilling in ceramic tiles, glass, brick, plastics and fibreglass.
 Note: Not suitable for toughened or laminated glass and hard tiles above class 3.



Anti-Slip Hex Shank
 For positive grip in chuck

High Quality Carbide
 For 10x longer life*

Multi-Faceted Spear Point
 For improved penetration

Application

DIY
 Trade
 Plumbing
 Masonry

Diameter mm	Item #	Barcode
Glass & Tile Drill		
		D688
3.0	D6880300	9311963638676
4.0	D6880400	9311963638683
5.0	D6880500	9311963638690
6.0	D6880600	9311963638706
6.5	D6880650	9311963638713
8.0	D6880800	9311963638720
10.0	D6881000	9311963638737
12.0	D6881200	9311963638744
5 Pce Bulk Pack		
		D689
6.0	D6890600	9311963638751
5 Pce Set		
		D690
4.0, 5.0, 6.0, 6.5 & 8.0mm	D6900005	9311963638775



D6890600



D6900005

*Than standard glass and tile drills.

Core Bits Diamond



Trade quality solution for drilling a wide variety of materials including porcelain, ceramic, fully vitrified, glazed, terracotta, polished sandstone and marble tiles. Can be used either wet or dry.



10mm Hex Shank
For positive grip, preventing slippage in chuck



Wax Filled Core
Aids cooling during the drilling process

#40 Diamond Grit Tip
Delivers faster cutting speeds

Application

DIY
Trade
Plumbing
Masonry

Diameter mm	Drilling Depth	O/A Length	Shank	Pieces	Item #	Barcode
Diamond Core Bit		mm	mm			D691
5.0	10	67	10mm Hex	1	D6910500	9311963638799
6.0	10	67	10mm Hex	1	D6910600	9311963638805
8.0	10	80	10mm Hex	1	D6910800	9311963638812
10.0	10	80	10mm Hex	1	D6911000	9311963638829
12.0	10	80	10mm Hex	1	D6911200	9311963638836
15.0	10	80	10mm Hex	1	D6911500	9311963638843
18.0	10	80	10mm Hex	1	D6911800	9311963638897
20.0	10	80	10mm Hex	1	D6912000	9311963638850
25.0	10	80	10mm Hex	1	D6912500	9311963638867
3 Pce Bulk Pack: 6mm				3	D6920600	9311963638874
3 Pce Set: 6, 8 & 10mm				3	D6930003	9311963639000



D6920600



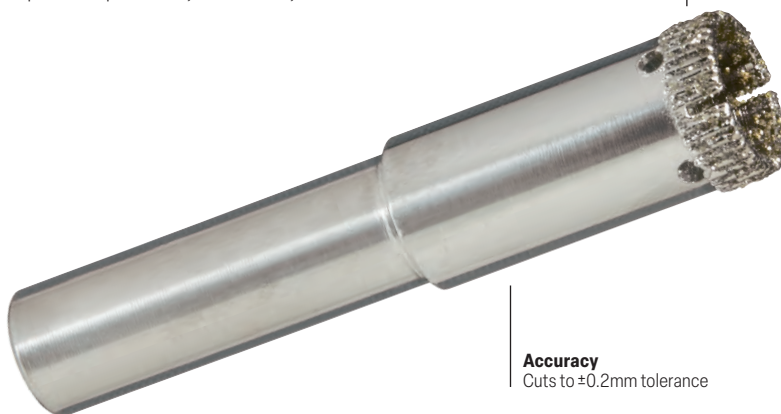
D6930003

Core Bits Diamond



DIY Quality. Diamond Tile Core bits have diamond encrusting for wet drilling only. For drilling glazed and polished porcelain, sandstone, terracotta and ceramics.

Point
Diamond encrusted tip to cut through glazed and polished porcelain, sandstone, terracotta and ceramics



Accuracy
Cuts to ±0.2mm tolerance

Application

- DIY
- Trade
- Plumbing
- Masonry

Diameter mm	Drilling Depth	O/A Length	Shank mm	Pieces	Item #	Barcode
Diamond Core Bit[▲]	mm	mm				
6.0	6	55	10	1	148010006	9311744435104
8.0	6	55	10	1	148010008	9311744435111
10.0	6	55	10	1	148010010	9311744435128
12.0	6	55	10	1	148010012	9311744436811
15.0	6	55	10	1	148010015	9311744436828
20.0	6	55	10	1	148010020	9311744436835
25.0	6	55	10	1	148010025	9311744436842
30.0	6	55	10	1	148010030	9311744439256
32.0	6	55	10	1	148010032	9311744439263
35.0	6	55	10	1	148010035	9311744439270
40.0	6	55	10	1	148010040	9311744439287
50.0	6	55	10	1	148010050	9311744439294
3 Pce Bulk Pack: 6mm				3	148020006	9311744446872
3 Pce Set: 6, 8 & 10mm				3	148020001	9311744446896
6 Pce Set: 6, 8, 10, 12, 15mm with guide & water dispenser				6	148010706	9311744439805



148020006

148020001

148010706

[▲]New look packaging depicted. Actual product packaging may differ from image shown.

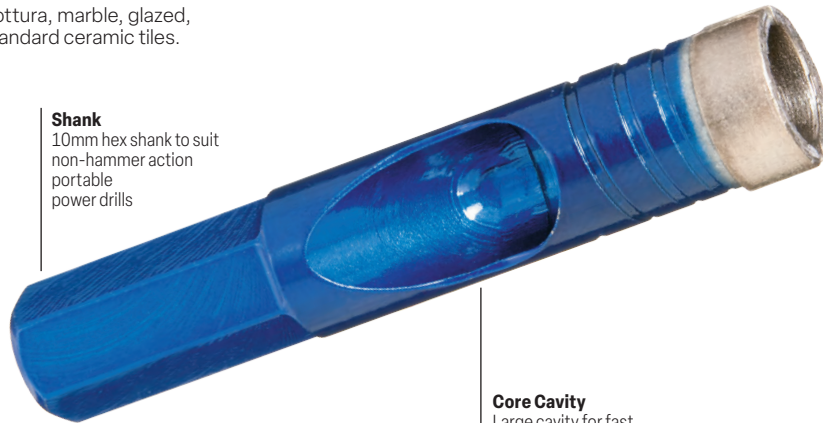
Core Bits Diamond – Blue Ceram

sutton



Features diamond segment technology for long life.

For drilling porcelain, monocottura, marble, glazed, terracotta, sandstone and standard ceramic tiles.



Shank
10mm hex shank to suit non-hammer action portable power drills

Core Cavity
Large cavity for fast material extraction

Point
Diamond segment tip for long life. Can be dressed for optimal performance



BONUS DRESSING STONE
IN EACH PACK!

Application
DIY
Trade
Plumbing
Masonry

Diameter mm	Actual Hole Diameter*	Drilling Depth	O/A Length	Shank	Item #	Barcode
Diamond Core Bit	mm	mm	mm			D605
6.0	6.3	8	55	10mm Hex	D6050600	9311963509914
7.0	7.4	8	55	10mm Hex	D6050700	9311963509921
8.0	8.4	10	55	10mm Hex	D6050800	9311963509938
15.0	15.6	15	70	10mm Hex	D6051500	9311963509969

*Blue Ceram drills oversize to allow drilling and fixing into material below the surface without chipping the tile.

Instructions For Use



1
Water the drilling area. To avoid drill slipping start with a 45° angle.



2
After the hole is started gradually straighten up the drill.



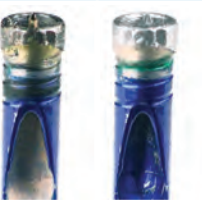
3
Make a swinging movement to allow for dust evacuation.



4
Make sure the core has been removed from bit after drilling.



5
When tip darkens, it is becoming blunt and MUST be dressed using a dressing stone.



Before After

Helpful Hints

- Do not use with hammer setting as this will damage the bit and tile
- Apply consistent pressure, allowing the tool to do the work
- Cutting speed with water <3000 RPM
- Dressing the bit will increase performance

Core Bits Diamond Core Cutter

sutton

150mm Cutting Depth

Suitable for drilling concrete, brick, hollow concrete block, hebel and granite. SDS and Hex arbors (sold separately) allow core bits to be used with either SDS Plus rotary hammers or impact drills.



Knock-Out Slots
For easy core ejection

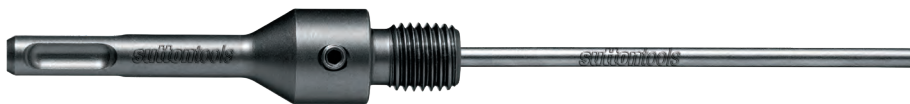
Diamond Segment Tip
Unique wavy diamond segment for faster, cleaner dry-cutting

M16 Thread
Fits Sutton Tools SDS or hex shank arbor

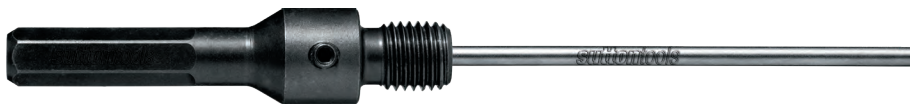
Application

- DIY
- Trade
- Electrical
- Plumbing
- General Contracting

Diameter mm	Diameter inch	Cutting Depth	O/A Length	Thread	Shank	Item #	Barcode
Diamond Core Cutter							D607
65*	2-9/16	150	180	M16		D6070650	9311963609324
Arbors							
				M16	SDS Plus	D6070001	9311963609355
				M16	Hex	D6070002	9311963609362

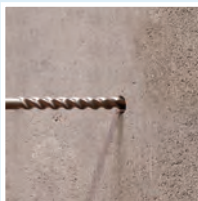


SDS Shank Arbor: Suits SDS Plus rotary hammer drills



Hex Shank Arbor: Suits Standard rotary hammer drills

Instructions For Use



1 Pre-drill a pilot hole completely through using an 8mm masonry drill bit.



2 Attach the Deep Cut Core Bit and place the centring guide into the pre-drilled hole. Begin cutting.



3 Drill to the desired depth applying even pressure (DO NOT use with hammer action).

Helpful Hints

- DO NOT use with hammer action
- Cutting speed: 850RPM (Dry)
- For deeper holes, eject the core and repeat process
- Dress bit using a dressing stone after use to prevent the tip from clogging

Arbor and Pilot Drills (Sold Separately)

For SDS Plus Drills:
D6070001 SDS shank arbor, D6130800 SDS Plus 2-Cut Masonry 8x160mm drill bit

For Standard Hammer Drills:
D6070002 Hex shank arbor, D6010800 Masonry 8x150mm drill bit

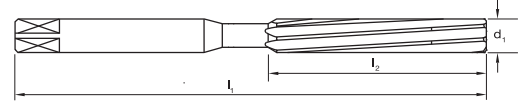
*Enquire about the full range

Reamers Hand

sutton

For use by hand with suitable wrench.
Suitable for tool rooms and workshop use.

Produces clean, accurate holes, to a H7 tolerance. Made from HSS, with bright surface finish.



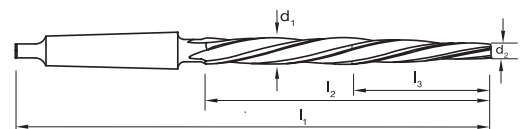
Size Ref.	Diameter mm	inch	O/A Length	Flute Length	Shank mm	Item #	Barcode
R100							
600	6.00		93	47	6	R1000600	9311963006918
635	6.35	1/4	100	50	6	R1000635	9311963009339
650	6.50		100	50	6	R1000650	9311963028422
700	7.00		107	54	6	R1000700	9311963021126
750	7.50		107	54	6	R1000750	9311963045146
800	8.00		115	58	6	R1000800	9311963005621
850	8.50		115	58	6	R1000850	9311963038711
900	9.00		124	62	6	R1000900	9311963021133
950	9.50		124	62	6	R1000950	9311963038728
1000	10.00		133	66	6	R1001000	9311963005799
1050	10.50		133	66	6	R1001050	9311963045153
1100	11.00		142	71	6	R1001100	9311963022741
1150	11.50		142	71	6	R1001150	9311963045160
1200	12.00		152	76	6	R1001200	9311963008967
1250	12.50		152	76	6	R1001250	9311963031309
1300	13.00		152	76	6	R1001300	9311963026350
1350	13.50		163	81	6	R1001350	9311963045177
1400	14.00		163	81	8	R1001400	9311963017082
1450	14.50		163	81	8	R1001450	9311963038735
1500	15.00		163	81	8	R1001500	9311963026367
1600	16.00		175	87	8	R1001600	9311963024394
1700	17.00		175	87	8	R1001700	9311963045184
1800	18.00		188	93	8	R1001800	9311963031316
1900	19.00		188	93	8	R1001900	9311963034454
2000	20.00		201	100	8	R1002000	9311963021140
2100	21.00		201	100	8	R1002100	9311963045191
2200	22.00		215	107	8	R1002200	9311963034461
2300	23.00		215	107	8	R1002300	9311963045207
2400	24.00		231	115	8	R1002400	9311963038742
2500	25.00		231	115	10	R1002500	9311963026374

Reamers Bridge

sutton

For machine use. For opening out existing holes.

Ideal for alignment in fabrication and construction work. Made from HSS, with bright surface finish.



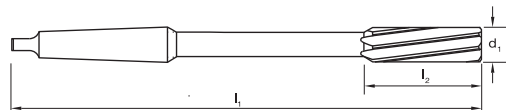
Size Ref.	Diameter d ₁	Diameter d ₂	O/A Length	Flute Length	Length l ₃	Shank mm	Thread	Item #	Barcode
R104									
1600	16.0	10.6	229	135	54	5	2	R1041600	9311963599588

Reamers Machine



For machine use. Suitable for tool rooms and workshop use.

Produces clean, accurate holes, to a H7 tolerance. Made from HSS, with bright surface finish.



Size Ref.	Diameter		O/A Length	Flute Length	Shank		Item #	Barcode
	mm	inch			mm			
R101								
600	6.00		138	26	6	1	R1010600	9311963007410
635	6.35	1/4	144	28	6	1	R1010635	9311963005959
650	6.50		144	28	6	1	R1010650	9311963026411
700	7.00		150	31	6	1	R1010700	9311963021171
750	7.50		150	31	6	1	R1010750	9311963045320
800	8.00		156	33	6	1	R1010800	9311963004297
850	8.50		156	33	6	1	R1010850	9311963038865
900	9.00		162	36	6	1	R1010900	9311963022772
950	9.50		162	36	6	1	R1010950	9311963034522
1000	10.00		168	38	6	1	R1011000	9311963004556
1050	10.50		168	38	6	1	R1011050	9311963026428
1100	11.00		175	41	6	1	R1011100	9311963021188
1150	11.50		175	41	6	1	R1011150	9311963045337
1200	12.00		182	44	6	1	R1011200	9311963005072
1250	12.50		182	44	6	1	R1011250	9311963028460
1270	12.70	1/2	182	44	6	1	R1011270	9311963007397
1300	13.00		182	44	6	1	R1011300	9311963014180
1350	13.50		189	47	6	1	R1011350	9311963034539
1400	14.00		189	47	8	1	R1011400	9311963010540
1450	14.50		204	50	8	2	R1011450	9311963038872
1500	15.00		204	50	8	2	R1011500	9311963009346
1550	15.50		210	52	8	2	R1011550	9311963045344
1600	16.00		210	52	8	2	R1011600	9311963004792
1650	16.50		214	54	8	2	R1011650	9311963045351
1700	17.00		214	54	8	2	R1011700	9311963015071
1746	17.46	11/16	219	56	8	2	R1011746	9311963017099
1750	17.50		219	56	8	2	R1011750	9311963031378
1800	18.00		219	56	8	2	R1011800	9311963010557
1850	18.50		223	58	8	2	R1011850	9311963038889
1900	19.00		223	58	8	2	R1011900	9311963015927
1905	19.05	3/4	223	58	8	2	R1011905	9311963007403
1950	19.50		228	60	8	2	R1011950	9311963031385
2000	20.00		228	60	8	2	R1012000	9311963004563
2050	20.50		232	62	8	2	R1012050	9311963126982
2100	21.00		232	62	8	2	R1012100	9311963034546
2150	21.50		237	64	8	2	R1012150	9311963126999
2200	22.00		237	64	8	2	R1012200	9311963012827
2250	22.50		241	66	8	2	R1012250	9311963127002
2300	23.00		241	66	8	2	R1012300	9311963031392
2350	23.50		241	66	8	3	R1012350	9311963127019
2400	24.00		268	68	8	3	R1012400	9311963022789
2450	24.50		268	68	8	3	R1012450	9311963127026
2500	25.00		268	68	10	3	R1012500	9311963010564
2540	25.40	1	268	68	8	3	R1012540	9311963010984

Reamers Adjustable

sutton

General purpose for use by hand with suitable wrench. Adjustable size range.

Made from TCA (Tungsten Chrome Alloy).



Size Ref.	Size	Range (mm)	Range (inch)	Sq	Item #	Barcode
						R109
635	MA8	6.35-7.15	1/4-9/32	2.8	R1090635	9311963009629
715	MA7	7.15-7.95	9/32-5/16	3.2	R1090715	9311963008240
795	MA6	7.95-8.70	5/16-11/32	4	R1090795	9311963007298
870	MA5	8.70-9.50	11/32-3/8	4	R1090870	9311963009162
950	MA4	9.50-10.25	3/8-13/32	4	R1090950	9311963005218
1025	MA3	10.25-11.00	13/32-7/16	4.5	R1091025	9311963016641
1100	MA2	11.00-12.00	7/16-15/32	5.5	R1091100	9311963008257



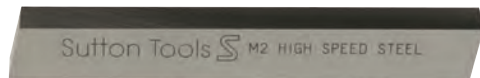
Size	Contents	Pieces	Item #	Barcode
Adjustable Reamer Sets				
M1	MA4 to ME (Reamers Only)	8	R109M1	9311963019154
M2P	MA to MH (Reamers & Pilots)	16	R109M2P	9311963025490
M3	MA4 to MH (Reamers Only)	11	R109M3	9311963014722
M6	MA8 to MK (Reamers Only)	18	R109M6	9311963019161
M8	MA to MI (Reamers Only)	9	R109M8	9311963030043

Tool Bits Turning & Machining

sutton

M2 HSS

Recommended for turning or machining of low-alloy and free-machining steels and most non-ferrous materials.



Size Ref.	Width	Length	Item #	Barcode
M2 HSS Bright			M301	
472	3/16	2-1/2	M3010472	9311963121307
632	1/4	2-1/2	M3010632	9311963121314
792	5/16	2-1/2	M3010792	9311963121321
953	3/8	3	M3010953	9311963121338
1274	1/2	4	M3011274	9311963121345
1584	5/8	4-1/2	M3011584	9311963121352

M42 CoHSS

Can withstand high cutting speeds. Especially suited to production turning of high alloy steels and other materials.



Size Ref.	Width	Length	Item #	Barcode
M42 CoHSS Bright			M302	
473	3/16	3	M3020473	9311963121062
632	1/4	2-1/2	M3020632	9311963121079
633	1/4	3	M3020633	9311963121086
634	1/4	4	M3020634	9311963121093
792	5/16	2-1/2	M3020792	9311963121109
793	5/16	3	M3020793	9311963121116
794	5/16	4	M3020794	9311963121123
953	3/8	3	M3020953	9311963121130
954	3/8	4	M3020954	9311963121147
956	3/8	6	M3020956	9311963121154
1274	1/2	4	M3021274	9311963121161
1276	1/2	6	M3021276	9311963121178
1584	5/8	4-1/2	M3021584	9311963121185
1905	3/4	5	M3021905	9311963121192
2547	1	7	M3022547	9311963121208

Shanks

Parallel / Plain Shank



The straight shank is the most usual style on modern drill bits, by number manufactured. It is most often made with the same diameter as the drill bit, for economy. It's then held in a 3-jaw drill chuck. Very small bits can have straight shanks larger than the drill diameter, often for holding in a standard size collet. Large drill bits can have straight shanks smaller than their drill diameter, so that medium-size chucks can be used to drill large holes. Such a drill bit is called reduced-shank or a blacksmith's drill.

- Can be held in a collet chuck
- Can be held in a drill chuck, the commonest sort
- Very accurate centring
- Low torque transmission

Hex shank



The flats of a hex shank can either be machined on a round shank or can be the natural flats of hex bar stock. A hex shank can be grasped by a 3-jaw drill chuck, or can be held in a custom chuck specifically for hex shanks. 1/4 inch hex shanks are common for machine screwdriver bits, and have spread from that application to be used for drill bits that are compatible with screwdriver machinery.

- Can be held in a drill chuck
- Can be held in a screwdriver bit chuck
- High torque transmission
- Moderately accurate centring
- Cannot be held in a collet

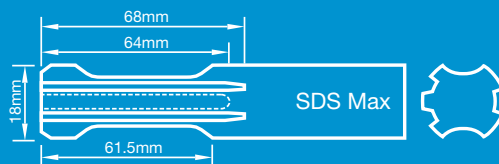
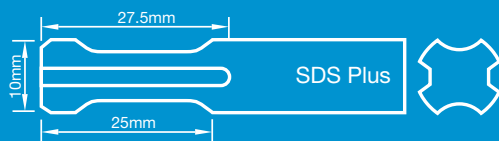
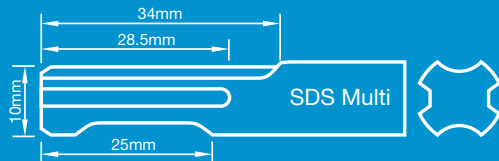
SDS shank



The SDS shank has the advantage of a simple spring-loaded chuck, so that bits can be chucked with a simple and quick hand action. Further, the shank and chuck are uniquely suited to hammer drilling in stone and concrete. The drill bit is not held solidly in the chuck, but can slide back and forth like a piston. The hammer of the drill acts to accelerate only the drill bit itself, and not the large mass of the chuck, which makes hammer drilling with an SDS shank drill bit much more productive than with other types of shank. So, SDS shanks are most often seen on masonry drills for which hammer drilling action is most helpful.



SDS is available in four sizes, SDS, SDS plus (or SDS-plus or SDS+), SDS-Top and SDS-max. SDS-plus is the most common by count of tools manufactured, with masonry drills from 5mm diameter to 30mm diameter ordinarily available.



The SDS bit was developed in 1975 and the name comes from the German saying “Steck – Dreh – Sitz” (Insert – Twist – Stay).

German-speaking countries may use “Spannen Durch System” (Clamping System), though most use “Special Direct System” for international purposes.

- Superb hammer drilling performance
- Drills with a “rotation-stop” mode can use chiselling bits
- One-handed quick chucking operation
- Can only be held in an SDS chuck
- High torque transmission

The flute (spiral) with a long pitch (lead) permits a quick removal of the aggregates (dust). The new finishing (treatment) “sandblasted” strengthens the body of the drill in the surface while guaranteeing good flexibility. Ideal for soft and medium hard materials and for wet concrete. The shank is suitable for all SDS plus hammer drilling machines.

Environmental Statement

Sutton Tools masonry drills are certified ISO 14001 for sustainable development. These products contribute to environmental protection by a “sandblasted” surface treatment which guarantees zero heavy metals and by a protection called “without VOC (Volatile Organic Compounds)” meeting the European directive 1999/13CE.

Helpful Hints when Drilling



Drilling Metal

- When using a hand held drill, make sure to drill straight into the hole.
 - Do not use too much pressure in a pedestal drill.
- Step feeding or pecking is required for drilling greater than 3 x Ø.
- When drilling cast surface & black, i.e. not machined surface, reduce drilling speed by 20%.
- For larger diameter holes (above approx. 8mm) start with a pilot drill approx. one quarter of the final hole size.
- For hole depths greater than 7 x Ø, pre-drill with short rigid drill (approx. 3 x Ø in depth) initially to pilot start for more accurate hole position and eliminate drill wandering.
- Use Sutton Tools' cutting fluid (Item # M800 0250) when drilling metal.



Drilling Masonry

- Set the depth on your machine or mark the required depth on the shank of your drill bit.
- Use a slow speed with light pressure or drill in short bursts to make a shallow hole.
- Drill into the shallow hole with a high speed and hammer function or withdraw the drill bit constantly.
- Let the drill do the work, forcing will dull the tip.
- Let the drill cool occasionally if the drill takes long.

Hint: If you hit an especially hard piece of concrete, insert a masonry nail into the hole and hammer to break the concrete. A special drill is required for drilling reinforced concrete, i.e. Booster Multi-fit.

WARNING:

One of the largest causes of masonry drills failing is the excessive heat build-up that can be generated by the end user using a too high of RPM. Do not cool with water or oil, as the drill bit might break.



Drilling Tiles (Glass & Tile Drill)

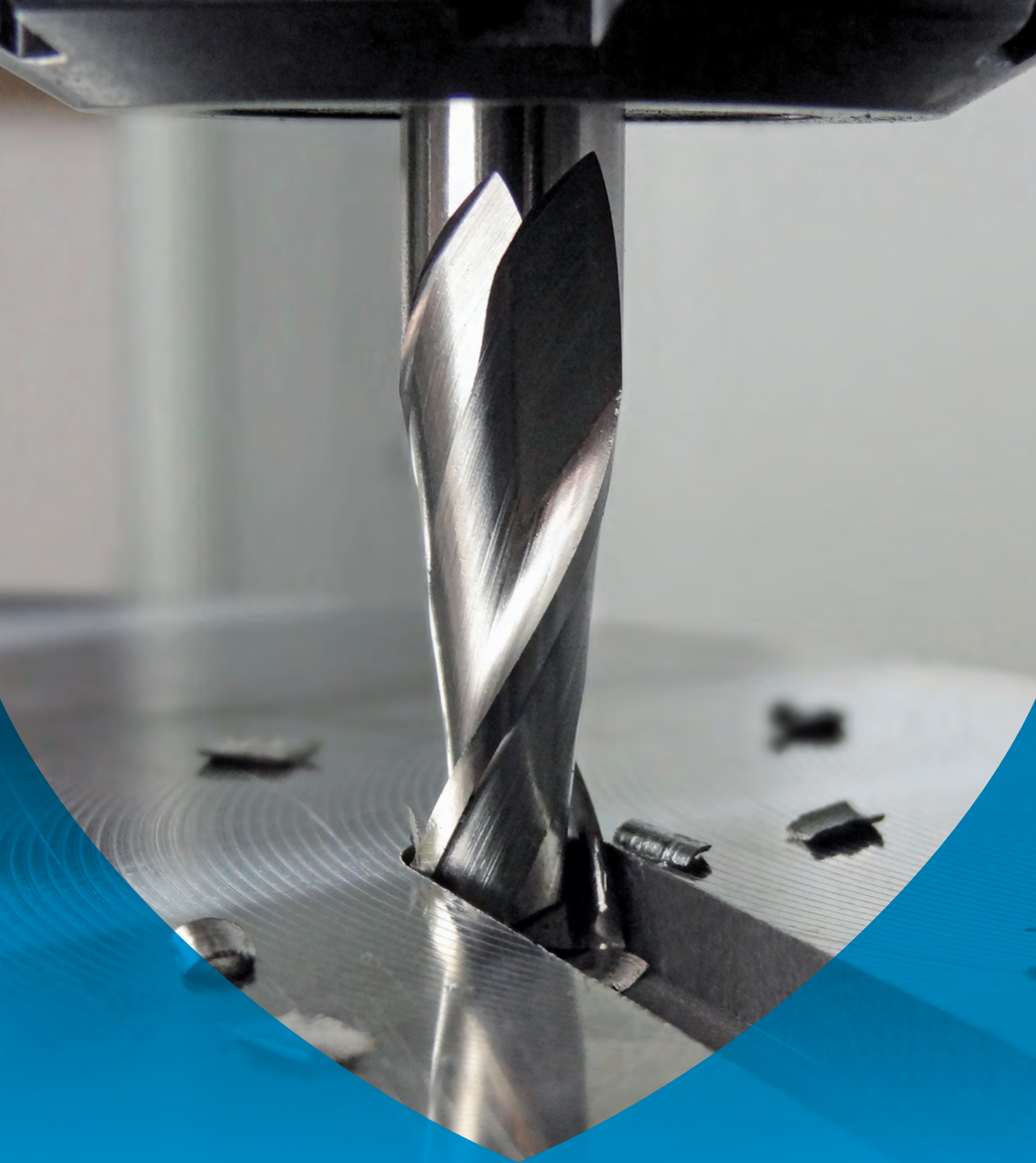
- Mark the location of the hole you want to drill on the porcelain.
- If working with a loose tile support it by placing a piece of MDF board behind the tile for backing.
- Apply the Sutton lubricant to keep the drill from overheating.
- Insert your drill bit into a power drill (rotary setting only) – No impact/hammer setting.
- Use a slow speed to penetrate the hard outer surface and apply steady pressure to ensure the drill bit bores into the tile.
- If the drill bit starts to smoke stop and apply more lubricant.



Drilling Timber

- Mark your hole location and create a small divot on the wood at the centre of your mark.
- Set the depth on your machine or mark the required depth on the shank of your drill bit.
- Place the drill at the divot and set up the alignment. When using a pedestal drill, centre the divot underneath the sharp tip of the drill.
- Start the drill and use moderate pressure and slow speed to avoid misalignment, splintering or slipping.
- Use moderate pressure and slow speed; withdraw to allow the sawdust and woodchips to exit. You now have a straight, smooth hole perfect for dowelling.

Hint: It is important to clear chips from the hole to avoid burning or damage to the hole.



ENDMILLS

• Slotting • Milling

ENDMILLS

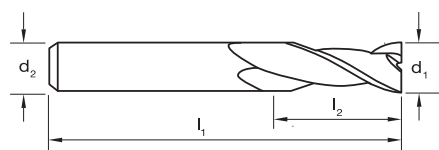
Endmills Index

- 73** **Endmills** 4 Flute, R30, Long
- 72** **Endmills** 4 Flute, R30, Regular
- 71** **Slot Drills** 2 Flute, R30, Long
- 70** **Slot Drills** 2 Flute, R30, Regular

Slot Drills 2 Flute, R30, Regular

sutton

For precision milling of slots and cavities.
Suitable for materials up to 1000 N/mm².
For soft steels & non-ferrous material.



Catalogue Code	E100
Material	HSS Co.8
Surface Finish	Brt
Geometry	R30
Shank Form (DIN 1835)	A
Shank Tolerance	h6

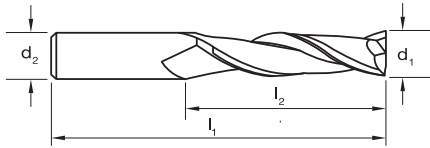
Size Ref.	Diameter	O/A Length	Flute Length	Shank	Thread	Item #	Barcode
Metric							
0200	2	50	7	6	2	E1000200	9311963194578
0300	3	50	9	6	2	E1000300	9311963194585
0400	4	60	12	8	2	E1000400	9311963194783
0500	5	60	15	8	2	E1000500	9311963194806
0600	6	60	15	8	2	E1000600	9311963194820
0700	7	65	20	10	2	E1000700	9311963194615
0800	8	65	20	10	2	E1000800	9311963194639
0900	9	75	25	10	2	E1000900	9311963194653
1000	10	75	25	10	2	E1001000	9311963194677
1100	11	80	30	12	2	E1001100	9311963194684
1200	12	80	30	12	2	E1001200	9311963194691
1300	13	90	35	16	2	E1001300	9311963194707
1400	14	90	35	16	2	E1001400	9311963194714
1500	15	95	40	16	2	E1001500	9311963194721
1600	16	95	40	16	2	E1001600	9311963194738
1700	17	105	40	20	2	E1001700	9311963194745
1800	18	105	40	20	2	E1001800	9311963194752
2000	20	110	45	20	2	E1002000	9311963194776
2200	22	110	45	20	2	E1002200	9311963139210
2400	24	120	50	25	2	E1002400	9311963139234
2500	25	120	50	25	2	E1002500	9311963139258
3000	30	125	55	25	2	E1003000	9311963139265
3200	32	145	60	32	2	E1003200	9311963139289

Imperial							
0318	1/8	1-31/32	7/32	1/4	2	E1000318	9311963144474
0476	3/16	2-3/8	3/8	1/4	2	E1000476	9311963144481
0635	1/4	2-9/16	9/16	1/4	2	E1000635	9311963144498
0794	5/16	2-9/16	9/16	3/8	2	E1000794	9311963144504
0953	3/8	2-3/4	23/32	3/8	2	E1000953	9311963144511
1270	1/2	3-17/32	1	1/2	2	E1001270	9311963144528
1588	5/8	3-3/4	1-3/16	5/8	2	E1001588	9311963144535
1905	3/4	4-5/16	1-9/16	3/4	2	E1001905	9311963144542

Slot Drills 2 Flute, R30, Long

sutton

For long-reach slotting applications.
Suitable for materials up to 1000 N/mm².
For soft steels and non-ferrous material.



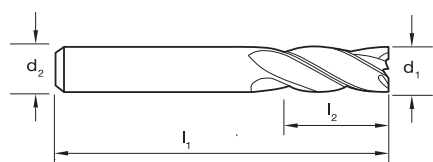
Catalogue Code	E102
Material	HSS Co.8
Surface Finish	BrT
Geometry	R30
Shank Form (DIN 1835)	A
Shank Tolerance	h6

Size Ref.	Diameter	O/A Length	Flute Length	Shank	Thread	Item #	Barcode
Metric							
0300	3.0	60	15	6	2	E1020300	9311963139302
0400	4.0	60	20	8	2	E1020400	9311963160382
0500	5.0	65	25	8	2	E1020500	9311963160399
0600	6.0	65	25	8	2	E1020600	9311963160405
0700	7.0	80	35	10	2	E1020700	9311963144597
0800	8.0	80	35	10	2	E1020800	9311963139456
1000	10.0	95	45	10	2	E1021000	9311963139470
1100	11.0	105	55	12	2	E1021100	9311963144436
1200	12.0	105	55	12	2	E1021200	9311963144443
1400	14.0	110	55	16	2	E1021400	9311963139517
1600	16.0	120	65	16	2	E1021600	9311963139524
1800	18.0	130	65	20	2	E1021800	9311963139548
2000	20.0	140	75	20	2	E1022000	9311963139562
Imperial							
0635	1/4	2-9/16	1	1/4	2	E1020635	9311963148663
0953	3/8	3-3/4	1-3/4	3/8	2	E1020953	9311963148687
1270	1/2	4-5/16	2-5/32	1/2	2	E1021270	9311963148694
1905	3/4	5-1/2	2-61/64	3/4	2	E1021905	9311963148717

Endmills 4 Flute, R30, Regular

sutton

For precision finish milling applications.
Suitable for materials up to 1000 N/mm².



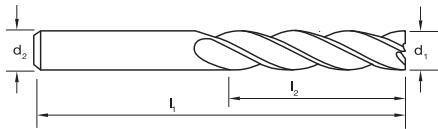
Catalogue Code	E125
Material	HSS Co.8
Surface Finish	Brt
Geometry	R30
Shank Form (DIN 1835)	A
Shank Tolerance	h6

Size Ref.	Diameter	O/A Length	Flute Length	Shank	Thread	Item #	Barcode
Metric							
0300	3.0	50	9	6	4	E1250300	9311963139388
0400	4.0	60	12	8	4	E1250400	9311963160245
0500	5.0	60	15	8	4	E1250500	9311963160269
0600	6.0	60	15	8	4	E1250600	9311963160283
0800	8.0	65	20	10	4	E1250800	9311963139449
1000	10.0	75	25	10	4	E1251000	9311963139487
1200	12.0	80	30	12	4	E1251200	9311963139531
1400	14.0	90	35	16	4	E1251400	9311963139579
1600	16.0	95	40	16	4	E1251600	9311963139623
1800	18.0	105	40	20	4	E1251800	9311963139654
2000	20.0	110	45	20	4	E1252000	9311963139678
2200	22.0	110	45	20	4	E1252200	9311963139685
2500	25.0	120	50	25	4	E1252500	9311963139708
2800	28.0	125	55	25	6	E1252800	9311963176857
3000	30.0	125	55	25	6	E1253000	9311963139715
3200	32.0	145	60	32	6	E1253200	9311963139722
Imperial							
0318	1/8	1-31/32	11/32	1/4	4	E1250318	9311963144269
0476	3/16	2-11/32	19/32	1/4	4	E1250476	9311963144283
0635	1/4	2-11/32	19/32	1/4	4	E1250635	9311963144290
0794	5/16	2-9/16	25/32	3/8	4	E1250794	9311963144306
0953	3/8	2-15/16	31/32	3/8	4	E1250953	9311963144313
1270	1/2	3-7/32	1-3/8	1/2	4	E1251270	9311963144320
1588	5/8	3-3/4	1-9/16	5/8	4	E1251588	9311963144337
1905	3/4	4-5/16	1-3/4	3/4	4	E1251905	9311963144344
2223	7/8	4-5/16	1-3/4	3/4	4	E1252223	9311963144368
2540	1	4-23/32	1-31/32	3/4	4	E1252540	9311963144375

Endmills 4 Flute, R30, Long

sutton

For precision finish milling applications.
Suitable for materials up to 1000 N/mm².



Catalogue Code	E127
Material	HSS Co.8
Surface Finish	Brt
Geometry	R30
Shank Form (DIN 1835)	A
Shank Tolerance	h6

Size Ref.	Diameter	O/A Length	Flute Length	Shank	Thread	Item #	Barcode
Metric							
0300	3.0	60	15	6	4	E1270300	9311963138947
0400	4.0	60	20	8	4	E1270400	9311963160290
0500	5.0	65	25	8	4	E1270500	9311963160306
0600	6.0	65	25	8	4	E1270600	9311963160313
0800	8.0	80	35	10	4	E1270800	9311963139111
1000	10.0	95	45	10	4	E1271000	9311963139128
1200	12.0	105	55	12	4	E1271200	9311963139227
1400	14.0	110	55	16	4	E1271400	9311963139166
1600	16.0	120	65	16	4	E1271600	9311963139197
1800	18.0	130	65	20	4	E1271800	9311963139241
2000	20.0	140	75	20	4	E1272000	9311963139272
Imperial							
0318	1/8	2-3/8	19/32	1/4	4	E1270318	9311963148786
0476	3/16	2-9/16	31/32	1/4	4	E1270476	9311963148809
0635	1/4	2-9/16	31/32	1/4	4	E1270635	9311963148816
0794	5/16	3-5/32	1-3/8	3/8	4	E1270794	9311963148823
0953	3/8	3-3/4	1-25/32	3/8	4	E1270953	9311963148830
1270	1/2	4-5/16	2-5/32	1/2	4	E1271270	9311963148847
1588	5/8	4-23/32	2-9/16	5/8	4	E1271588	9311963148854



ROUTER BITS

• Straight • Edge & Face Forming • Groove Forming • Laminate Trim • Slotting

Evacut[®]

PRECISION CUTTING TOOLS

This comprehensive range of routers bits has been formulated specifically for the local market and includes a wide variety of bits for almost any application.

EVACUT routers have been manufactured overseas from high quality tungsten carbide of a grade which has been specifically formulated to withstand the wide ranging performance demands of a diverse range of wood substrates including MDF through to hard native timbers.

Evacut routers feature an Anti Kick back design and high quality brazing of the tungsten carbide tips to ensure safety and reliability at speeds up to 25,000 rpm. Extensive testing has been carried out in Europe and the United States in to meet features and specifications in accordance with DIN EN847-1 and German BG-TEST 202-001 and 202-002. Each EVACUT router is mounted and packaged in a hard wearing clear plastic box that ensures safe storage and ease of identification.

Whether you are a professional or DIY user EVACUT routers deliver quality, safety and reliability.



Over 40 years of manufacturing focus with an ongoing commitment to introducing new technology.

Carbitool has a long standing reputation for excellence in the manufacture of carbide tools for the woodworking, cabinetry, joinery, furniture, timber and panel industries. Using the latest CNC (computerised numerical controlled) technology, Carbitool is committed to ongoing product development and quality improvement.

With a comprehensive range of woodworking tools including; Router Bits, Saw Blades, Planer Blades, Drills, Countersinks and much more. There would not be many woodwork shops in Australia that don't contain router and drill bits and many other forms of tooling created by Carbitool.

Serving industry, trades, hobbyists and the specialist retailers world wide.

Carbitool – The Woodworking Masters

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Router Bits Straight Bits



Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Straight Bits - Single Flute					
3	10	6.4	25	RSR364	9414886001012
4	10	6.4	25	RSR464	9414886001029
5	10	6.4	25	RSR564	9414886001036
Straight Bits - 2 Flute, 6.4mm Shaft					
6	16	6.4	25	RSR664	9414886001050
6.4	16	6.4	25	RSR6464	9414886001043
8	19	6.4	25	RS864	9414886000862
9	19	6.4	25	RS964	9414886000916
9.5	19	6.4	25	RS9564	9414886000909
10	19	6.4	25	RS1064	9414886000640
12	19	6.4	25	RS1264	9414886000664
12.7	19	6.4	25	RS12764	9414886000688
13	19	6.4	25	RS1364	9414886000701
16	19	6.4	25	RS1664	9414886000725
18	19	6.4	25	RS1864	9414886000749
19	19	6.4	25	RS1964	9414886000763
20	19	6.4	25	RS2064	9414886000787
25	19	6.4	25	RS2564	9414886000824
Straight Bit - 2 Flute, 12.7mm Shaft					
6	16	12.7	40	RS6127	9414886000831
6.4	16	12.7	40	RS64127	9414886000848
8	19	12.7	40	RS8127	9414886000855
9	19	12.7	40	RS9127	9414886000886
9.5	19	12.7	40	RS95127	9414886000893
10	19	12.7	40	RS10127	9414886000633
12	32	12.7	40	RS12127	9414886000657
12.7	32	12.7	40	RS127127	9414886000671
13	32	12.7	40	RS13127	9414886000695
16	32	12.7	40	RS16127	9414886000718
18	32	12.7	40	RS18127	9414886000732
19	32	12.7	40	RS19127	9414886000756
20	32	12.7	40	RS20127	9414886000770
22	32	12.7	40	RS22127	9414886000800
25	32	12.7	40	RS25127	9414886000817

Router Bits Straight Bit, Solid Tungsten Carbide



Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Straight Bit - Solid Tungsten Carbide					
3	9.5	6.4	40	RSTC364	9414886001074

Router Bits Flush Trim Panel Bits



Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Flush Trim Panel Bits					
9	19	6.4	25	RFT1964	9414886000268
13	20	12.7	30	RFT2064	9414886000275

Router Bits Rounding Over Bits, 2 Flute



Radius mm	Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Rounding Over Bits - 2 Flute, 6.4mm Shaft						
2	6.4	10	6.4	25	RR264	9414886000466
3	6.4	10	6.4	25	RR364	9414886000473
5	6.4	11	6.4	25	RR564	9414886000480
6	6.4	12	6.4	25	RR664	9414886000497
8	6.4	16	6.4	25	RR864	9414886000503
10	6.4	17	6.4	25	RR1064	9414886000404
13	6.4	21	6.4	25	RR1364	9414886000428
Rounding Over Bits - 2 Flute, 12.7mm Shaft						
6	6.4	12	12.7	40	RR06127	9414886000374
8	6.4	16	12.7	40	RR08127	9414886000381
10	6.4	17	12.7	40	RR10127	9414886000398
13	6.4	20	12.7	40	RR13127	9414886000411
19	6.4	26	12.7	40	RR19127	9414886000435
25	6.4	33	12.7	40	RR25127	9414886000459
Isometric Rounding Over Bits - 2 Flute						
30	52	24	12.7	40	RIR3064	9414886000282
35	61	24	12.7	40	RIR3564	9414886000299

Router Bits Classic Coving Bits, 2 Flute



Radius mm	Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Classic Coving Bits - 2 Flute, 6.4mm Shaft						
6.4	27	13	6.4	25	RCLC2764	9414886000190
8	32	16	6.4	25	RCLC3264	9414886000206
Classic Coving Bit - 2 Flute, 12.7mm Shaft						
9.5	37	19	12.7	40	RCLC3764	9414886000213

Router Bits Triple Coving Bits, 2 Flute



Radius mm	Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Triple Coving Bit - 2 Flute						
	45	22	12.7	40	RTC45127	9414886001128

Router Bits Double Coving Bits, 2 Flute



Radius mm	Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Double Coving Bit - 2 Flute						
31.8	30	17	12.7	40	RDC30127	9414886000244

Router Bits Ball Nose Bits, 2 Flute



Radius mm	Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Ball Nose Bits - 2 Flute, 6.4mm Shaft						
6	25	12	6.4	25	RBN0664	9414886000022
8	29	14	6.4	25	RBN0864	9414886000039
10	33	16	6.4	25	RBN1064	9414886000053
Ball Nose Bits - 2 Flute, 12.7mm Shaft						
10	33	16	12.7	40	RBN10127	9414886000046
13	39	16	12.7	40	RBN13127	9414886000060

Router Bits Core Box Bits



Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Core Box Bits - 6.4mm Shaft					
9.5	12	6.4	25	RCB9564	9414886000015
12.7	12	6.4	25	RCB12764	9414886000077
16	12	6.4	25	RCB1664	9414886000091
19	12	6.4	25	RCB1964	9414886000114
Core Box Bits - 12.7mm Shaft					
16	32	12.7	40	RCB16127	9414886000084
19	32	12.7	40	RCB19127	9414886000107
22	32	12.7	40	RCB22127	9414886000121

Router Bits Roman Ogee Bits



Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Roman Ogee Bits - 6.4mm Shaft					
29	16	6.4	25	RRO2964	9414886000589
34	19	6.4	25	RRO3464	9414886000619
Roman Ogee Bits - 12.7mm Shaft					
29	16	12.7	40	RRO29127	9414886000572
33	19	12.7	40	RRO33127	9414886000596
37	17	12.7	40	RRO37127	9414886000626

Router Bits Ogee Bits, 2 Flute



Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Ogee Bits - 2 Flute, 6.4mm Shaft					
30	17	6.4	25	ROG3064	9414886000329
37	20	6.4	25	ROG3764	9414886000350
Ogee Bits - 2 Flute, 12.7mm Shaft					
30	17	12.7	40	ROG30127	9414886000312
37	20	12.7	40	ROG37127	9414886000343

Router Bits Classic Bits



Diameter mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Classic Bit					
25	10	6.4	25	RCL2564	9414886000183
Classic Bits - Reverse Profile					
20	10	6.4	25	RCLRP2064	9414886000220
25	17	6.4	25	RCLRP2564	9414886000237

Router Bits Chamfering Bits



Angle	Bevel mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Chamfering Bits - 6.4mm Shaft						
30°	-	16	6.4	25	RCF3064	9414886000138
45°	15	16	6.4	25	RCF451564	9414886000169
Chamfering Bits - 12.7mm Shaft						
45°	15	16	12.7	40	RCF4515127	9414886000145
45°	25	30	12.7	40	RCF4525127	9414886000176

Router Bits Vee Grooving Cutters



Diameter mm	Bevel mm	Shaft mm	Shank mm	Item #	Barcode
Vee Grooving Cutters - 6.4mm Shaft					
12.7	9.5	6.4	25	RVG12764	9414886001159
32	22	6.4	25	RVG3264	9414886001180
25	25	6.4	25	RVG2564	9414886001166
Vee Grooving Cutters - 12.7mm Shaft					
40	32	12.7	40	RVG40127	9414886001197

Router Bits Dove Tail Bit



Angle	Diameter	Shaft mm	Shank mm	Item #	Barcode
Dove Tail Bit - For Stanley & Liegh Machines					
14°	1/2"	6.4	25	RDT141264	9414886000251

Router Bits Keyhole Bit



Diameter mm	Groove mm	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Keyhole Bit						
12.7	5	9.5	6.4	35	RKH9564	9414886000305

Router Bits Rebating Bits



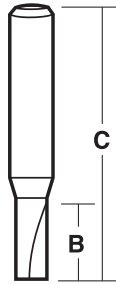
Standard Rebate	Rebate	Cutting Length mm	Shaft mm	Shank mm	Item #	Barcode
Rebating Bits - 6.4mm Shaft						
6	4	13	6.4	25	RRE6464	9414886000565
10	12	13	6.4	25	RRE101264	9414886000534
Rebating Bits - 12.7mm Shaft						
10	12	13	12.7	40	RRE1213127	9414886000541
13	15	16	12.7	40	RRE1315127	9414886000558

Router Bits Slotting Cutters, 2 Flute



Width mm	Diameter mm	Shaft mm	Shank mm	Item #	Barcode
Slotting Cutters - 2 Flute, Carbide Tipped					
1.5	38	6.4	25	RSL1564	9414886000923
2	38	6.4	25	RSL264	9414886000947
2.5	38	6.4	25	RSL2564	9414886000930
3	38	6.4	25	RSL364	9414886000961
4	38	6.4	25	RSL464	9414886000992
5	38	6.4	25	RSL564	9414886000985
6	38	6.4	25	RSL664	9414886001005
Arbor with B16 & B19 Bearings		6.4	25	RASL64	9414886001203

Router Bits Straight Bits, Solid Carbide



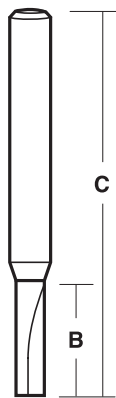
A



Single Flute - Straight Flute - Solid Carbide

- For general purpose routing and grooving
- Excellent chip clearance
- Suitable for a wide range of materials, hardwood, softwood, acrylic sheet, etc

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm		
T 202 S	1/16	1.59	3/16	4.76	1-1/2	38.10	1/4	6.35	R50340160	9314350003149
T 203 S	3/32	2.38	3/16	4.76	1-1/2	38.10	1/4	6.35	R50340240	9314350003163
T 203 MS	-	3.00	1/4	6.35	1-1/2	38.10	1/4	6.35	R50340300	9314350003170
T 204 S	1/8	3.18	5/16	7.94	1-1/2	38.10	1/4	6.35	R50340320	9314350003187
T 204 MS	-	4.00	-	11.11	1-1/2	38.10	1/4	6.35	R50340400	9314350003200
T 205 MS	-	5.00	1/2	12.70	1-1/2	38.10	1/4	6.35	R50340500	9314350003224



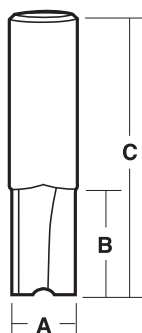
A



Single Flute - Straight Flute - Solid Carbide - Long Series

- For maximum rigidity use the standard length bits (above) where possible
- Suitable for a wide range of materials, hardwood, softwood, acrylic sheet, etc

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm		
T 1804 MS	-	4	5/8	15.88	2-1/4	57.15	1/4	6.35	R50440400	9314350003279
T 1805 MS	-	5	3/4	19.05	2-1/4	57.15	1/4	6.35	R50440500	9314350003293



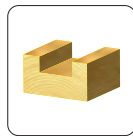
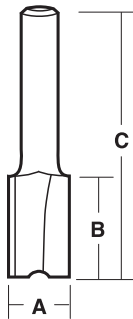
A



2 Flute - Straight Flute - Solid Carbide

- For all general purpose routing, grooving, rebating
- For longer life in routing abrasive type materials

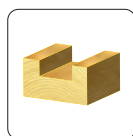
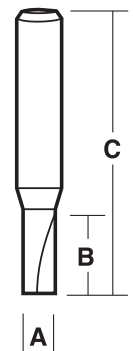
Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm		
T 206 M	-	6.00	-	16.00	1-1/2	38.10	1/4	6.35	R50540600	9314350003323
TX 206 M	15/64	5.94	1-1/8	28.58	2-1/4	57.15	1/4	6.35	R50540601	9314350003330
T 208	1/4	6.35	5/8	15.88	1-1/2	38.10	1/4	6.35	R50540635	9314350003347
TX 208	1/4	6.35	1-1/8	28.58	2-1/4	57.15	1/4	6.35	R50540636	9314350003354



2 Flute - Carbide Tipped

• For all general purpose routing, grooving, rebating

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm		
T 207 M	-	7.00	-	19.00	1-3/4	44.45	1/4	6.35	R50640700	9314350003378
T 209	9/32	7.14	3/4	19.05	1-3/4	44.45	1/4	6.35	R50640710	9314350000117
T 208 M	-	8.00	-	19.00	1-3/4	44.45	1/4	6.35	R50640800	9314350003392
T 209 M	-	9.00	3/4	19.05	1-3/4	44.45	1/4	6.35	R50640900	9314350003408
T 212	3/8	9.53	3/4	19.05	1-3/4	44.45	1/4	6.35	R50640950	9314350003415
T 210 M	-	10.00	-	19.00	1-3/4	44.45	1/4	6.35	R50641000	9314350003439
T 211 M	-	11.00	-	19.00	1-3/4	44.45	1/4	6.35	R50641100	9314350003446
T 214	7/16	11.11	3/4	19.05	1-3/4	44.45	1/4	6.35	R50641110	9314350000131
T 212 M	-	12.00	3/4	19.05	1-3/4	44.45	1/4	6.35	R50641200	9314350003453
T 216	1/2	12.70	3/4	19.05	1-3/4	44.45	1/4	6.35	R50641270	9314350003460
T 213 M	-	13.00	3/4	19.05	1-3/4	44.45	1/4	6.35	R50641300	9314350003484
T 214 M	-	14.00	3/4	19.05	1-3/4	44.45	1/4	6.35	R50641400	9314350003507
T 216 M	-	16.00	3/4	19.05	1-3/4	44.45	1/4	6.35	R50641600	9314350003538
T 218 M	-	18.00	3/4	19.05	1-3/4	44.45	1/4	6.35	R50641800	9314350003569
T 219 M	-	19.00	3/4	19.05	1-3/4	44.45	1/4	6.35	R50641900	9314350003590
T 220 M	-	20.00	3/4	19.05	1-3/4	44.45	1/4	6.35	R50642000	9314350003620



2 Flute - Carbide Tipped

• For all general purpose routing, grooving, rebating.
• For longer life in routing abrasive type materials

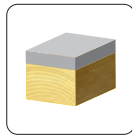
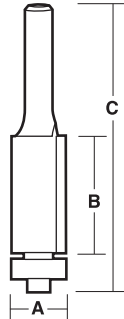
Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm		
T 1410 M	-	10.00	1	25.40	2-3/4	69.85	1/2	12.70	R50941000	9314350003712
T 1412 M	-	12.00	1	25.40	2-3/4	69.85	1/2	12.70	R50941200	9314350003729
TX 1412 M	15/32	11.90	1-1/4	31.75	3	76.20	1/2	12.70	R50941201	9314350009226
T 1416	1/2	12.70	1-1/4	31.75	3	76.20	1/2	12.70	R50941270	9314350003736
TX 1416	1/2	12.70	2	50.80	3-3/4	95.25	1/2	12.70	R50941271	9314350003743
T 1413 M	-	13.00	1-1/4	31.75	3	76.20	1/2	12.70	R50941300	9314350003750
TX 1413 M	33/64	13.10	2	50.80	3-3/4	95.25	1/2	12.70	R50941301	9314350003767
T 1414 M	-	14.00	1-1/4	31.75	3	76.20	1/2	12.70	R50941400	9314350000230
T 1416 M	-	16.00	1-1/2	38.10	3-1/4	82.55	1/2	12.70	R50941600	9314350003798
T 1416.5 M	-	16.50	1-1/2	38.10	3-1/4	82.55	1/2	12.70	R50941650	9314350003811
T 1418 M	-	18.00	1-1/2	38.10	3-1/4	82.55	1/2	12.70	R50941800	9314350003835
T 1419 M	-	19.00	1-1/2	38.10	3-1/4	82.55	1/2	12.70	R50941900	9314350003866
TX 1419 M	-	19.00	2	50.80	3-3/4	95.25	1/2	12.70	R50941901	9314350003873
T 1420 M	-	20.00	1-1/2	38.10	3-1/4	82.55	1/2	12.70	R50942000	9314350003910
T 1425 M	-	25.00	1-1/2	38.10	3-1/4	82.55	1/2	12.70	R50942500	9314350003941



2 Flute - Compression Bit - For Mortising - Short Up Cut

• Advanced tool geometry to achieve higher feed rates
• Geometry minimises chipping and furring on the top and bottom surfaces
• Ideal for cutting double sided laminates and natural timbers.

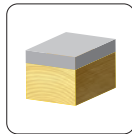
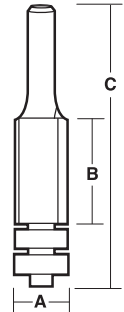
Part No.	Diameter (A)	Cutting L (B1)	Cutting L (B2)	O/A Length (C)	Shank	Item #	Barcode
	mm	mm	mm	mm	mm		
T2SRM8M (Q)	8.00	25.00	5.00	63.00	8.00	R82240800	9314350017696



2 Flute - Flush Trimming Bit with Ball Bearing Guide - Carbide Tipped

- Fast, smooth and accurate trimming cuts for laminates and template work

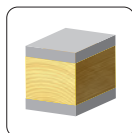
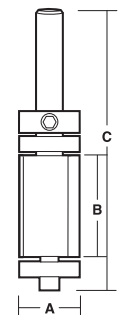
Part No.	Diameter (A)		Cutting Length (B) O/A Length (C)				Shank		Bearing No.	Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm			
T 8012 B	3/8	9.53	1	25.40	2-5/8	66.68	1/4	6.35	TB 9	R53420950	9314350004009
TS 8012 B	3/8	9.53	1/2	12.70	1-57/64	48.02	1/4	6.35	TB 9	R53480950	9314350017832
TS 8016 B	1/2	12.70	5/8	15.88	2-1/4	57.15	1/4	6.35	TB 11	R53421270	9314350004016
T 8016 B	1/2	12.70	1	25.40	2-1/2	63.50	1/4	6.35	TB 11	R53441270	9314350004023
T 8016 B 1/2	1/2	12.70	1	25.40	3-1/8	79.38	1/2	12.70	TB 11	R53461270	9314350004030
TXX 8016 B 1/2	1/2	12.70	1-1/2	38.10	3-3/8	85.73	1/2	12.70	TB 11	R53481270	9314350004047
TXX 8016 B 1/2	1/2	12.70	2	50.80	3-7/8	98.43	1/2	12.70	TB 11	R53491270	9314350004054
T 8020 B	5/8	15.88	1	25.40	2-5/8	66.68	1/4	6.35	TB 14	R53421590	9314350004061



2 Flute - Flush Trimming Bit with Double Ball Bearing Guide - Carbide Tipped

- For template work in softer timbers.
- Double the surface area to ensure template surface is not damaged.

Part No.	Diameter (A)		Cutting Length (B) O/A Length (C)				Shank		Bearing No.	Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm			
TXX 8016 BB 1/2	1/2	12.70	2	50.80	4-1/4	107.95	1/2	12.70	TB 11	R53791270	9314350004146

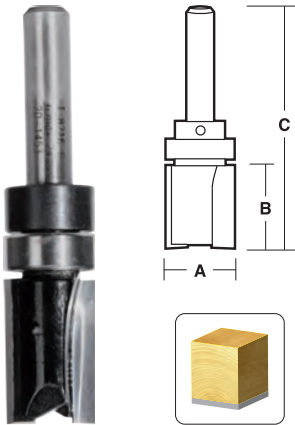


2 Flute - Flush Trimming Bit - Dual Bearing - Carbide Tipped

- Designed for trimming and template work
- Top and bottom bearings can be used for a variety of trimming applications.
- Can utilise top bearing, bottom bearing or both

Part No.	Diameter (A)		Cutting Length (B) O/A Length (C)				Shank		Bearing No.	Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm			
T 8216 DB	1/2	12.70	1	25.40	2-3/4	69.85	1/4	6.35	End TB 11, Centre TB 7	R53841280	9314350025684

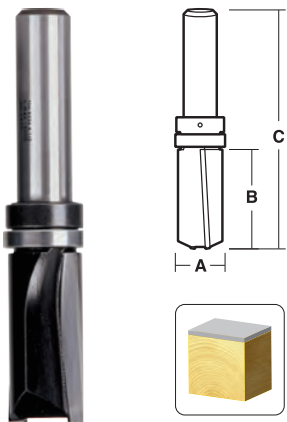
Router Bits Flush Trim Bits, Inverted



2 Flute - Inverted Flush Trimming Bit with Ball Bearing Guide - Carbide Tipped

- For copy work where the template is between the work piece and the router

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Bearing No.	Ring	Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm				
T 8216 B	1/2	12.70	3/4	19.05	2-11/64	55.17	1/4	6.35	TB 7	TZR 1	R54041270	9314350010819
TX 8224 B 1/2	3/4	19.05	2	50.80	4-5/32	105.57	1/2	12.70	TB 4	TZR 3	R54081900	9314350014633

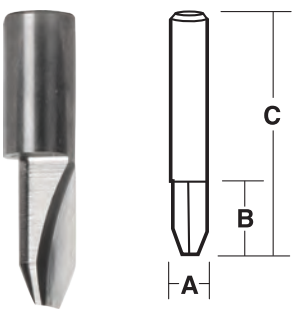


Inverted Flush Trimming Bit with Down Shear - Carbide Tipped

- Downward cutting action helps prevent delamination of veneers, laminates etc
- Useful when cutting soft, splintery timbers
- Cost effective alternative to down cut spirals

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Bearing No.	Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm			
TS 8216 B	1/2	12.70	25/64	10	1-13/16	46	1/4	6.35	TB 7	R54121270	9314350047921

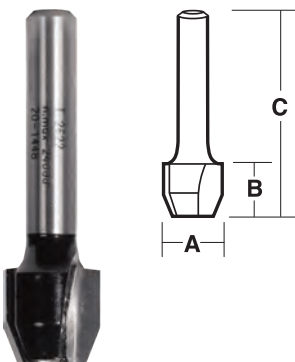
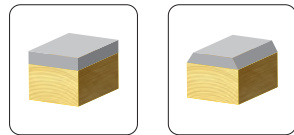
Router Bits Flush Trim Bits, Combination



Single Flute - Combination Flush & 22° Bevel Trimming Bit - Solid Carbide

- Provides 22° bevel or 0° square cut on the edge of plastic laminated surfaces

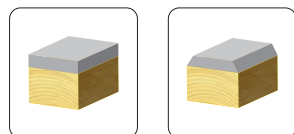
Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm		
TBD 22	1/4	6.35	1/2	12.70	1	25.40	1/4	6.35	R55540635	9314350004290



2 Flute - Combination Flush & 22° Bevel Trimming Bit - Carbide Tipped

- Provides a 22° or 0° straight cut on the edge of plastic or laminates surfaces

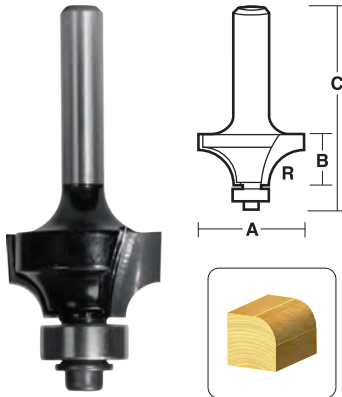
Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm		
T 2622	15/32	11.90	7/16	11.11	1-5/8	41.28	1/4	6.35	R55741200	9314350004313





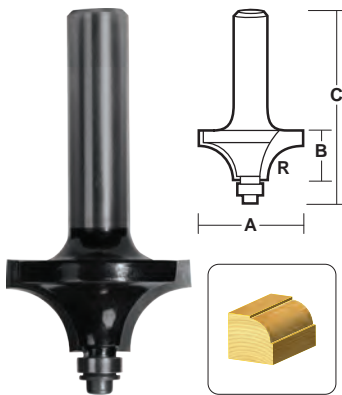
2 Flute - Rounding Over Bit with Ball Bearing Guide - Carbide Tipped

- Gives extra smooth chatter free cuts due to precise tool geometry
- Can be converted to a beading bit by using bearing TB 9



Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Radius (R)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 502 MB	21/32	16.67	11/32	8.73	1-7/8	47.63	-	2.00	1/4	6.35	R61341670	9314350014671
T 504 B	3/4	19.05	1/2	12.70	2	50.80	1/8	3.20	1/4	6.35	R61341900	9314350006102
T 506 B	7/8	22.22	15/32	11.91	2	50.80	3/16	4.80	1/4	6.35	R61322470	9314350006119
T 505 MB	7/8	22.22	15/32	11.91	2	50.80	-	5.00	1/4	6.35	R61342250	9314350010260
T 506 MB	31/32	24.61	33/64	13.10	2-3/16	55.56	-	6.00	1/4	6.35	R61342470	9314350025745
T 508 B	1	25.40	1/2	12.70	2	50.80	1/4	6.35	1/4	6.35	R61322540	9314350006126
T 510 B	1-1/8	28.58	1/2	12.70	2	50.80	5/16	7.90	1/4	6.35	R61322860	9314350006140
T 508 B 1/2	1	25.40	1/2	12.70	2-1/2	63.50	1/4	6.35	1/2	12.70	R61382540	9314350006133
T 510 B 1/2	1-1/8	28.58	1/2	12.70	2-5/8	66.68	5/16	7.90	1/2	12.70	R61382860	9314350006157
T 512 B 1/2	1-1/4	31.75	5/8	15.88	2-5/8	66.68	3/8	9.50	1/2	12.70	R61383180	9314350006171
T 516 B 1/2	1-1/2	38.10	3/4	19.05	2-3/4	69.85	1/2	12.70	1/2	12.70	R61383810	9314350006195
T 512 B	1-1/4	31.75	5/8	15.88	2-1/4	57.15	3/8	9.50	1/4	6.35	R61323180	9314350006164
T 510 MB 1/2	1-9/32	32.54	-	16.50	2-53/64	71.83	-	10.00	1/2	12.70	R61343270	9314350025752
T 512 MB 1/2	1-7/16	36.51	-	18.00	2-57/64	73.42	-	12.00	1/2	12.70	R61343670	9314350025769
T 516 B	1-1/2	38.10	3/4	19.05	2-1/4	57.15	1/2	12.70	1/4	6.35	R61323810	9314350006188
T 520 B 1/2	1-3/4	44.45	7/8	22.23	3-1/4	82.55	5/8	15.90	1/2	12.70	R61344450	9314350006201
T 524 B 1/2	2	50.80	1	25.40	3-1/4	82.55	3/4	19.00	1/2	12.70	R61345080	9314350006218
T 532 B 1/2	2-1/2	63.50	1-1/4	31.75	3-5/8	92.08	1	25.40	1/2	12.70	R61346350	9314350006232

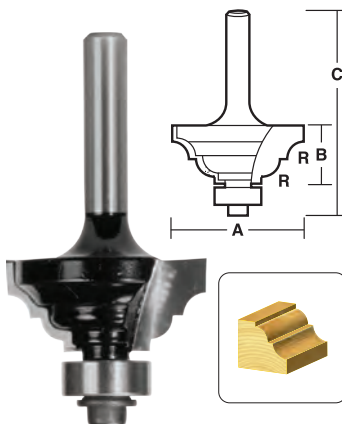
Router Bits Beading Bits



2 Flute - Beading Bit with Ball Bearing Guide - Carbide Tipped

- Smaller TB9 bearing leaves a 1/16" edge bead
- Can be converted to rounding over bit by using bearing TB11
- Bearing exposes bottom corner of cutter allowing it to cut the bottom bead
- Use machines height adjustment to drop top corner of cutter into the workpiece to create top bead

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Radius (R)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 606 MB	31/32	24.61	33/64	13.10	2-3/32	53.18	-	6.00	1/2	12.70	R61742470	9314350025776
T 608 B	1	25.40	1/2	12.70	2	50.80	1/4	6.35	1/4	6.35	R61722540	9314350006317
T 612 B	1-1/4	31.75	5/8	15.88	2-1/4	57.15	3/8	9.50	1/4	6.35	R61723180	9314350006355
T 610 MB 1/2	1-9/32	32.54	-	16.50	2-3/4	69.85	-	10.00	1/2	12.70	R61743270	9314350025783

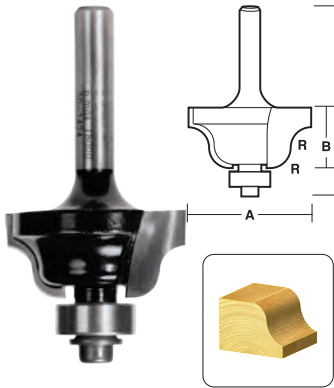


2 Flute - Classical Bit with Ball Bearing Guide - Carbide Tipped

- Versatile decorative moulding for furniture and building applications
- Use as a combination bit by only including part profile

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Radius (R)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
TC 8 B	1-1/8	28.58	1/2	12.70	2	50.80	1/8	3.20	1/4	6.35	R63122860	9314350006867
TC 12 B 1/2	1-3/8	34.93	5/8	15.88	2-3/4	69.85	3/16	4.80	1/2	12.70	R63283500	9314350006898

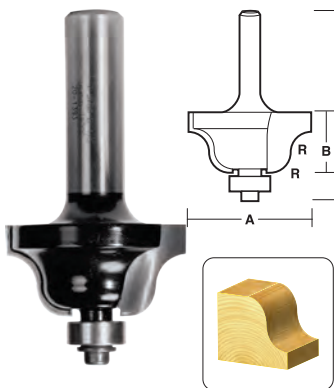
Router Bits Roman Ogee Bits



2 Flute - Roman Ogee Bit with Ball Bearing Guide - Carbide Tipped

- A decorative edge bit for early American furniture making
- Reverse profile to Ogee bit

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Radius (R)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 5705 B	1-1/8	28.58	1/2	12.70	2	50.80	5/32	4.00	1/4	6.35	R65922860	9314350006713

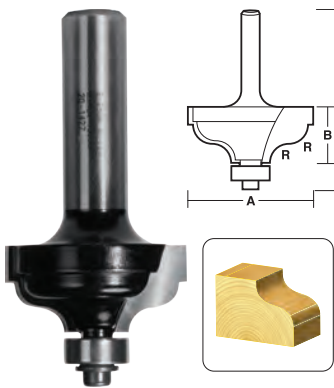


2 Flute - Roman Ogee Bit with Ball Bearing Guide - Carbide Tipped

- A decorative edge bit for early American furniture making
- Reverse profile to Ogee bit

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Radius (R)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 5708 B 1/2	1-1/2	38.10	3/4	19.05	2-3/4	69.85	1/4	6.35	1/2	12.70	R66083810	9314350006744

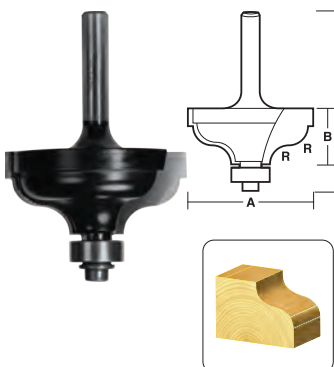
Router Bits Ogee Bits



2 Flute - Ogee Bit with Ball Bearing Guide - Carbide Tipped

- Produces a decorative form used widely on table and mantle edges
- Can be used as a combination bit
- Use machine height adjustment to include or exclude top bead
- By fitting the optional TB9 ball bearing, a 1/16" edge bead can be produced as illustrated

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Radius (R)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 7506 B	3/8	34.93	21/32	16.67	5/16	58.74	3/16	4.80	1/4	6.35	R66223490	9314350006768

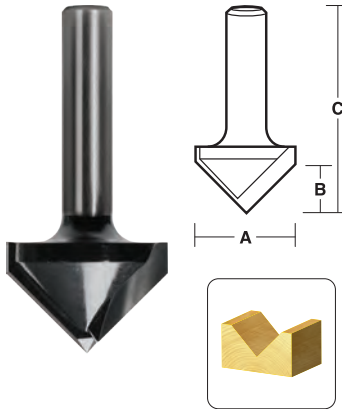


2 Flute - Ogee Bit with Ball Bearing Guide - Carbide Tipped

- Produces a decorative form used widely on table and mantle edges
- Can be used as a combination bit
- Use machine height adjustment to include or exclude top bead
- By fitting the optional TB9 ball bearing, a 1/16" edge bead can be produced as illustrated

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Radius (R)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 7508 B 1/2	-	41.28	-	-	-	-	1/4	6.35	1/2	12.70	R66384100	9314350006799

Router Bits V-Groove Bits

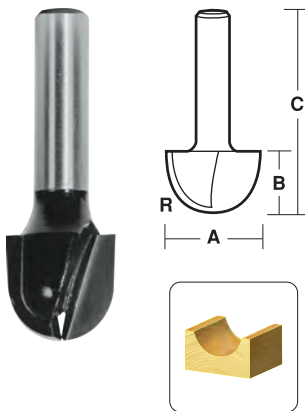


2 Flute - 90° Vee Groove Bit - Carbide Tipped

- 90° included angle
- A versatile bit for decorative vee grooves and chamfering
- Used for sign and lettering work

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm		
T 112	45/64	17.86	-	9.27	1-3/4	44.45	1/4	6.35	R57841800	9314350004368
T 128	1-15/64	31.35	5/8	15.88	2	50.80	1/4	6.35	R57823130	9314350004375
T 1240 1/2	2	50.80	1	25.40	3	76.20	1/2	12.70	R57845080	9314350004405
T 128 1/2	1-15/64	31.35	5/8	15.88	2-1/2	63.50	1/2	12.70	R57883130	9314350004382

Router Bits Core Box Bits

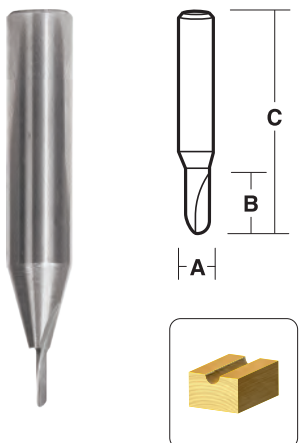


2 Flute - Core Box Bit - Carbide Tipped

- For use in fluting flat surfaces such as mantles and facades
- Use for signage lettering

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Radius (R)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 412	3/8	9.53	1/4	6.35	1-1/4	31.75	3/16	4.80	1/4	6.35	R58740950	9314350004566
T 416	1/2	12.70	31/64	12.30	1-1/2	38.10	1/4	6.35	1/4	6.35	R58721270	9314350004573
T 420	5/8	15.88	3/8	9.53	1-3/4	44.45	5/16	8.00	1/4	6.35	R58721590	9314350004580
T 424	3/4	19.05	1/2	12.70	1-7/8	47.63	3/8	9.50	1/4	6.35	R58721900	9314350004597
T 424 1/2	3/4	19.05	1/2	12.70	2-1/4	57.15	3/8	9.50	1/2	12.70	R58781900	9314350004603
T 432 1/2	1	25.40	5/8	15.88	2-1/2	63.50	1/2	12.70	1/2	12.70	R58742540	9314350004610

Router Bits Veining Bits

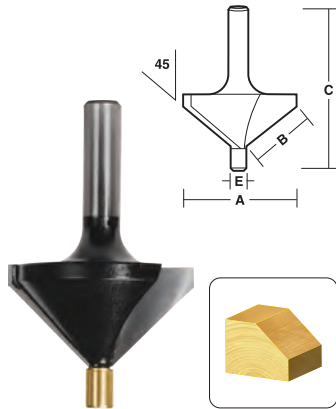


Single Flute - Veining Bit - Solid Carbide

- For grooving and scoring panel designs in wood surfaces

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm		
T 304	1/8	3.18	5/16	7.94	1-1/2	38.10	1/4	6.35	R58440320	9314350004450

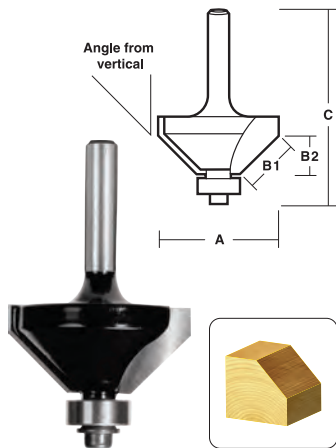
Router Bits Chamfering Bits



2 Flute - Chamfering Bit with Pilot - Carbide Tipped

- Helpful in making almost invisible joints
- 45° chamfer

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		(E)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 916	1-3/16	30.16	45/64	17.86	1-61/64	49.53	3/16	4.80	1/4	6.35	R63643020	9314350006966

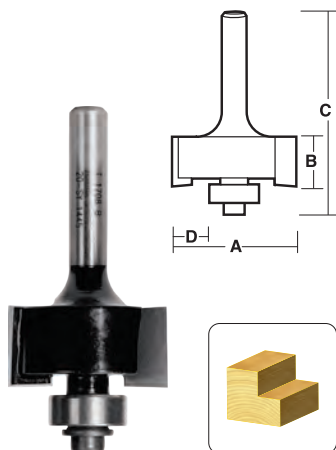


2 Flute - Chamfering Bit with Ball Bearing Guide - Carbide Tipped - 45° Angle

- Wide range of angles available
- Most can be modified to achieve custom angles

Part No.	Diameter (A)		(B1)		(B2)		O/A Length (C)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 916 B	1-3/8	34.93	5/8	15.88	29/64	11.51	2-1/4	57.15	1/4	6.35	R64123500	9314350007017
T 916 B 1/2	1-3/8	34.93	5/8	15.88	29/64	11.51	2-3/4	69.85	1/2	12.70	R64183500	9314350007024

Router Bits Rebating Bits

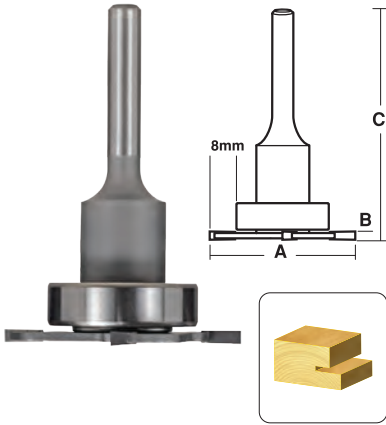


2 Flute - Rebating Bit with Pilot with Ball Bearing Guide - Carbide Tipped

- Has ball bearing guide for mar-free finish
- By substituting TB-9 bearing, the depth of the rebate will be increased by 1/16" (1.6mm)

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Depth (D)		Shank		Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
T 1708 B	1	25.40	1/2	12.70	2	50.80	1/4	6.35	1/4	6.35	R64722540	9314350007079
T 1708 B 1/2	1	25.40	1/2	12.70	2-1/2	63.50	1/4	6.35	1/2	12.7	R64782540	9314350007086
T 1712 B	1-1/4	31.75	1/2	12.70	2-1/4	57.15	3/8	9.53	1/4	6.35	R64723170	9314350007093
T 1712 B 1/2	1-1/4	31.75	1/2	12.70	2-1/2	63.50	3/8	9.53	1/2	12.70	R64763170	9314350007109
T 1716 B 1/2	1-1/2	38.10	1/2	12.70	2-9/16	65.09	1/2	12.70	1/2	12.70	R64743810	9314350007116
T 1720 B 1/2	1-3/4	44.45	1/2	12.70	2-9/16	65.09	5/8	15.88	1/2	12.70	R64744450	9314350007123

Router Bits Drip Seal Groover



Drip Seal Groover

- Cuts 2.5mm wide & 8mm deep grooves
- For fitting drip, dust & smoke seals to window frames
- A countersunk screw securing the cutter allows for a flush cut

Part No.	Diameter (A)		Cutting Length (B)		O/A Length (C)		Shank		Arbor No.	Item #	Barcode
	inch	mm	inch	mm	inch	mm	inch	mm			
TDSG 44 B	1-47/64	44.05	3/32	2.38	2-51/64	71.04	1/4	6.35	TA 25	R57084400	9314350026278

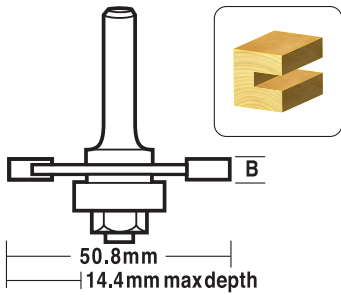
Router Bits Slotting Cutters



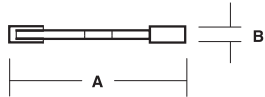
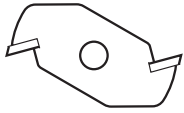
2 Flute - Assemblies with Ball Bearing Guide - Carbide Tipped

- Ball bearing guide eliminates time consuming set up of router machine guides

Part No.	Diameter (A)		Cutting Length (B)		Max Depth (D)	Shank		Arbor No.	Item #	Barcode
	inch	mm	inch	mm		inch	mm			
TA 500-3.2MB	2	50.80	1/8	3.18	14.40	1/4	6.35	TA 4	R73545088	9314350005426
TA 500-4 MB	2	50.80	5/32	3.97	14.40	1/4	6.35	TA 4	R73545092	9314350005310



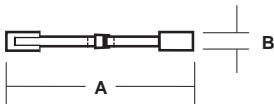
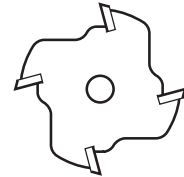
Router Bits Slotting Cutters, Replacement



2 Flute - Slotting Cutter Only - Carbide Tipped

• Replacement and additional cutters can be purchased to fit an existing arbor

Part No.	Diameter (A)		Cutting Length (B)		Bore		Item #	Barcode
	inch	mm	inch	mm	inch	mm		
T 500-2.5M	2	50.80	3/32	2.38	5/16	8.00	R73245081	9314350005112
T 500-3.2M	2	50.80	1/8	3.18	5/16	8.00	R73245084	9314350005129

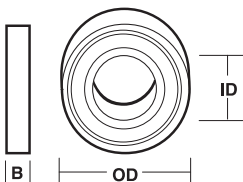


4 Flute - Slotting Cutter Only - Carbide Tipped

• For extra smooth cutting and finishes with longer tool life between sharpening

Part No.	Diameter (A)		Cutting Length (B)		Bore		Item #	Barcode
	inch	mm	inch	mm	inch	mm		
T 700-3.2M	2	50.80	1/8	3.18	5/16	8.00	R73345084	9314350005570
T 700-4.8M	2	50.80	3/16	4.76	5/16	8.00	R73345087	9314350005600

Router Bits Ball Bearings



Ball Bearings

• Note: All bearings should be kept free of dust and dirt. They should be cleaned in glue solvent and lightly oiled after each use.

Part No.	Overall Diameter (OD)		Internal Diameter (ID)		Bore		Item #	Barcode
	inch	mm	inch	mm	inch	mm		
TB9	3/8	9.53	3/16	4.76	1/8	3.18	R73940950	9314350007642
TB11	1/2	12.70	3/16	4.76	1/3	4.76	R73921271	9314350007666



ADAPTORS & ATTACHMENTS

• Extension Shanks • Adaptors • Chucks • Attachments

ADAPTORS & ATTACHMENTS

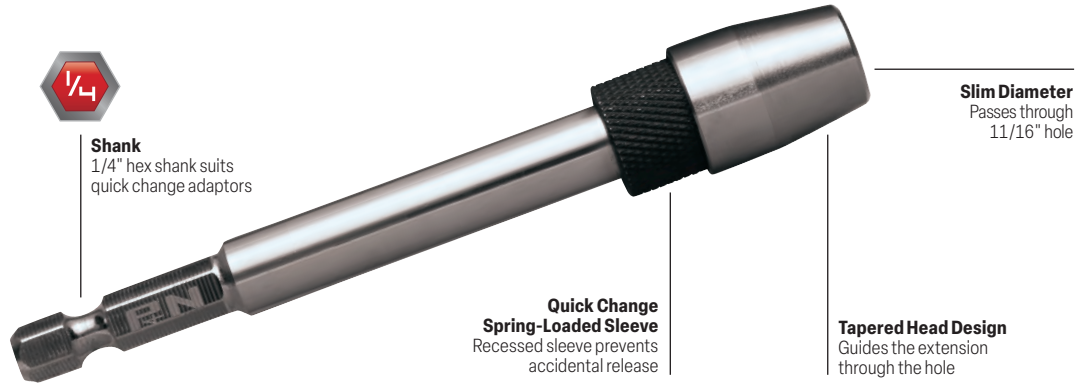
Adaptors & Attachments Index

- | | | | |
|------------|--|------------|--|
| 99 | Adaptors 1/4" to 7/16" Hex | 100 | Chuck 4 Way Key |
| 99 | Adaptors Quickbits [®] - Socket | 100 | Chuck Keyless Drill, SDS Plus Adaptor |
| 103 | Attachments Quickbits [®] - Nibbler | 100 | Chuck Quickbits [®] - Mini |
| 102 | Attachments Quickbits [®] - Quick-Cut, Shear | 98 | Extension Shanks Quickbits [®] |
| 101 | Attachments Quickbits [®] - Right Angle | | |
| 104 | Attachments Quickbits [®] - Rivet | | |

Extension Shanks Quickbits®



Adaptors and extension bars fit all 1/4" bits. Extension bars are inter-mate-able providing extra long reach.



Size	Shank Inch	Length mm	Item #	Barcode
Extension Bars				
1/4	1/4	150	107QBE150	9311744437948
1/4	1/4	300	107QBE300	9311744437955
1/4	1/4	450	107QBE450	9311744437962
1/4	1/4	600	107QBE600	9311744437979
1/4	1/4	900	107QBE900	9311744437986
Adaptor				
1/4	1/4	65	107BADAPT	9311744026388

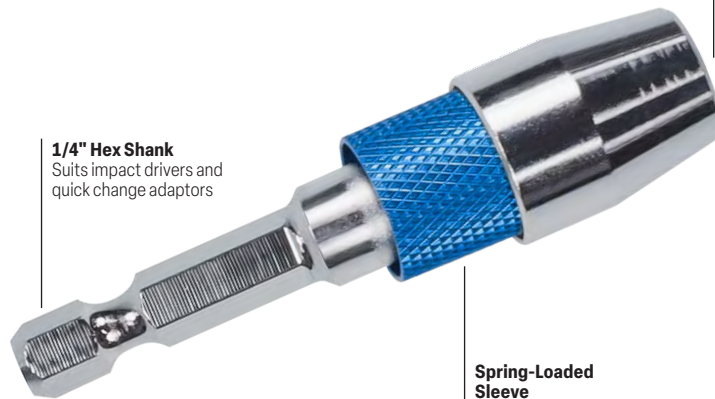


107QBE600

Adaptors 1/4" to 7/16" Hex



Adapts 1/4" hex to 7/16" hex. The recessed quick-change spring-loaded sleeve prevents accidental release.



1/4" Hex Shank
Suits impact drivers and quick change adaptors

Spring-Loaded Sleeve
Prevents accidental release

7/16" Hex Opening
Suits 7/16" hex power bits

Size	Shank Inch	Length mm	Item #	Barcode
7/16	1/4	65mm	D5170065	9311963607153

Adaptors Quickbits® - Socket



For use with 1/4, 3/8 or 1/2" square drive sockets. The 'wobble' square drive gives additional access in confined areas with 15° angle rotation.



Shank
1/4" hex shank
Suits impact drivers and quick change adaptors

Chrome Vanadium
Heat treated and made with chrome vanadium steel

Spring Loaded Ball Bearings
Hold sockets or extensions securely

Wobble Square Drive

Size	Shank Inch	Length mm	Pieces	Item #	Barcode
1/4	1/4	65	1	107PAW064	9311744437825
3/8	1/4	65	1	107PAW095	9311744437832
1/2	1/4	70	1	107PAW127	9311744437849
Sets					
1/4, 3/8, 1/2	1/4	65	3	150PASET3	9311744436118

Chuck Keyless Drill, SDS Plus Adaptor

sutton

Converts rotary hammer drills, for use with regular drill bits.



Diameter Range
2-13mm
(1/16"-1/2")

SDS Plus Shank
Suits most SDS Plus rotary hammer drills

Knurl Finish
For better grip when tightening and releasing clamp

Description	Range	Shank	Item #	Barcode
Keyless Drill Chuck & SDS Plus Adaptor	2- 13mm	SDS Plus	M8010013	9311963621265

Chuck Quickbits® - Mini

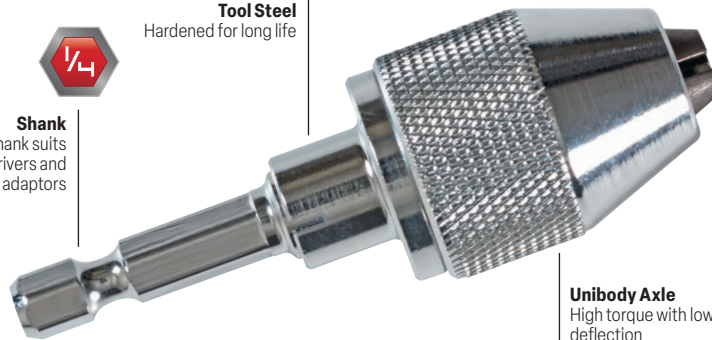


Extends the capacity of your power drill, allowing smaller drill sizes – down to 0.5mm.



Shank
1/4" hex shank suits impact drivers and quick change adaptors

Made from Tool Steel
Hardened for long life



Unibody Axle
High torque with low deflection

Description	Range	Shank Inch	Item #	Barcode
Keyless Mini Chuck	0.5-6mm	1/4	107CMQ001	9311744437511

Chuck 4 Way Key



Universal, fits most popular chucks.



Description	Item #	Barcode
4 Way Chuck Key	166044669	9311744446698

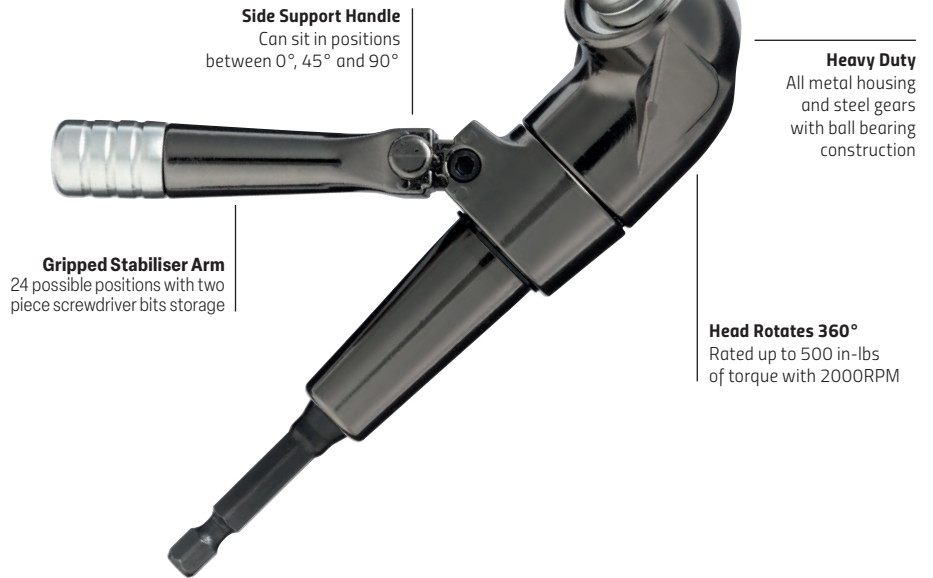
Attachments Quickbits® - Right Angle



P&N Angle Driver is designed for power drills, for driving at 90° or where space is limited. Ideal for 2.4 Volt to 18 Volt cordless drills. It has all-metal housing and steel gears with ball bearing construction for durability.



The compact design (only 50mm wide) allows it to fit in tight spaces.



Accepts Standard 1/4" Hex Shank Bits

Side Support Handle
Can sit in positions between 0°, 45° and 90°

Gripped Stabiliser Arm
24 possible positions with two piece screwdriver bits storage

Heavy Duty
All metal housing and steel gears with ball bearing construction

Head Rotates 360°
Rated up to 500 in-lbs of torque with 2000RPM

Description	Contents	Shank Inch	Item #	Barcode
5 Pce Right Angle Drill Attachment with Swivel Handle	Right Angle Attachment 25mm Screwdriver Bits: PH2, Hex5 50mm Screwdriver Bits: PH2, R2	1/4	107RAD001	9311744439058
5 Pce Flexible Mini Right Angle Drill Attachment	1/4" Flexible Mini Right Angle Driver Attachment Screwdriver Bits: PH2 x25, PH2 x50, R2 x50, Hex 5 x50	1/4	107ADF300	9311744441983
Mini Angle Driver Set	1x Mini Angle Driver 6x25mm insert bits: 3xPH2, 1xSL5, 1xH5, 1xR2	1/4	107RAD370	9311744445707



107RAD001



107ADF300



107RAD370

Attachments Quickbits® - Quick-Cut, Shear



P&N Quick-Cut Heavy Duty Shear Attachment transforms your power drill into a mighty sheet metal cutting shear. Lightweight aluminium housing provides portability and ease-of-handling to make fast straight, curved or square cuts.

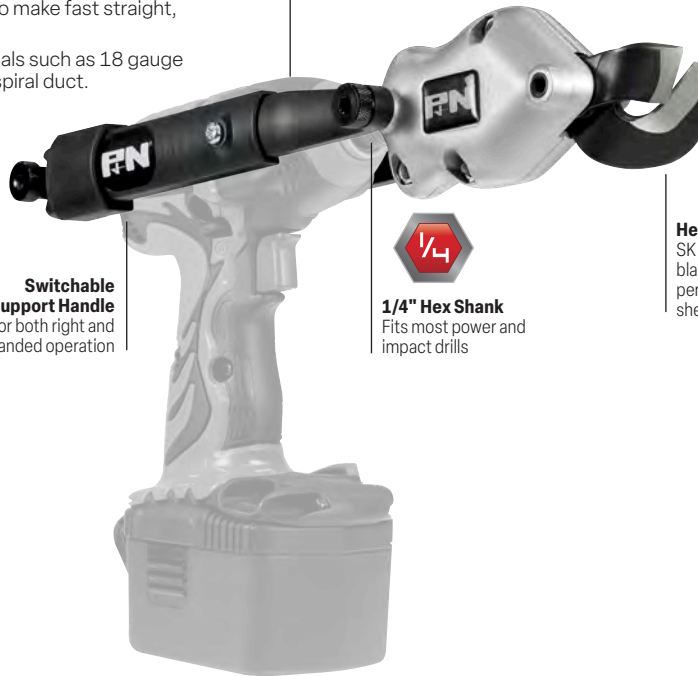
Suitable for use in HVACR applications and in materials such as 18 gauge galvanised steel, corrugated sheets and 20 gauge spiral duct.

Adjustable Clamping Device
Made from high impact plastic and fits most cordless or corded impact and power drills

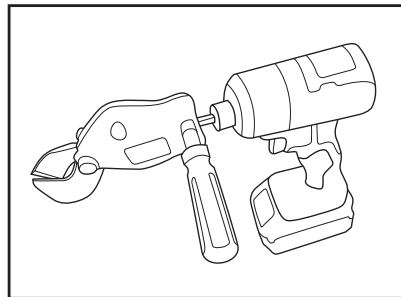
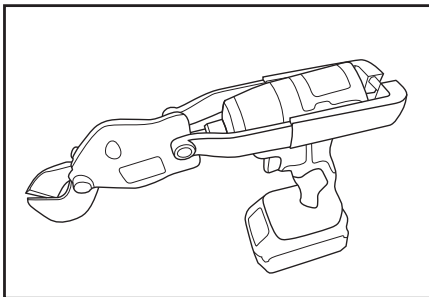
Switchable Support Handle
for both right and left-handed operation

1/4" Hex Shank
Fits most power and impact drills

Heavy Duty
SK 5 alloy steel blades ensures cutting performance in most sheet metal



Description	Shank Inch	Item #	Barcode
Quick-Cut Heavy Duty Shear Attachment	1/4	M8130002	9311744445646
Replacement Blades for Heavy Duty Shear		M8130010	9311963615141

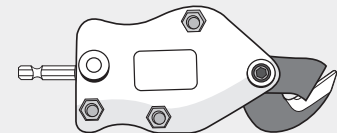


Use clamp attachment when you need to support workpiece with other hand while operating

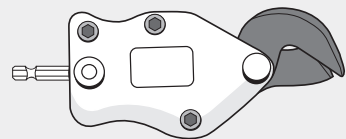
Use handle attachment when workpiece can be secured

How to replace blades

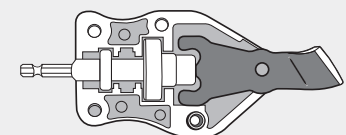
1 - Undo Nuts and Blade screw



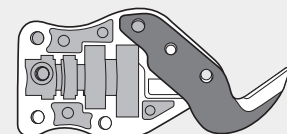
2 - Undo Bolts



3 - Align moving blade with Eccentric Drive



4 - Align fixed blade with locating pins



M8130002



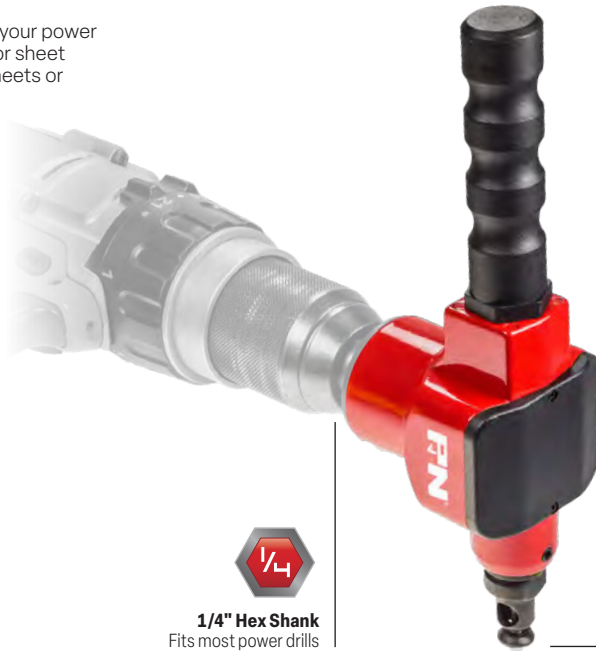
M8130010



Attachments Quickbits® - Nibbler



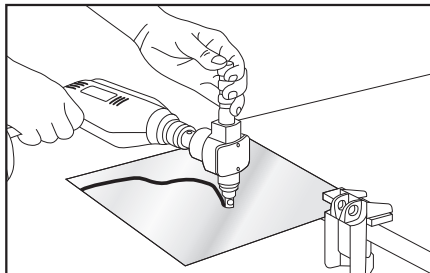
P&N Quickbits® Nibbler Attachment transforms your power drill into an easy to use straight or curve cutter for sheet metals, corrugated sheets, duct work, plastic sheets or laminate, (up to 2.0mm thick).



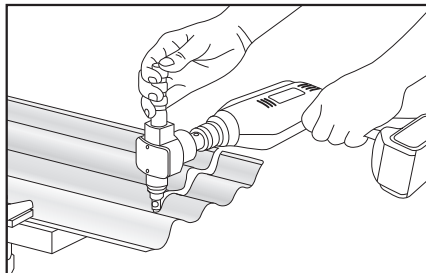
1/4" Hex Shank
Fits most power drills

Fast and Clean Cutting
Straight or curve cutting of sheet materials

Description	Shank Inch	Item #	Barcode
Nibbler Attachment	1/4	107NIB001	9311963622323
Nibbler Replacement Punch		107NIB002	9311963623344



Fast and clean, straight or curve cutting



Cuts across corrugated metal sheets

Helpful Hints

- Pre-drill a 12mm hole before starting
- Attach the Nibbler Attachment to a drill and tighten the chuck
- Set drill to the recommended speed between 1500-3000RPM
- Secure the workpiece with at least a 15mm clearance underneath the area of material to be cut
- Carefully move the nibbler attachment towards the starting point of the desired cut and engage nibbler head with the material, start to cut into the material
- Continue cutting through the material while keeping the nibbler attachment at a right angle to the material



107NIB001



107NIB002

Attachments Quickbits® - Rivet



Check out the demo



P&N Quickbits® Rivet Attachment transforms your power drill into an easy to use impact riveter. Designed for all standard rivets, the Rivet Attachment is an indispensable tool for various types of light DIY blind riveting work in sheet metal, aluminium and corrugated metal sheet.



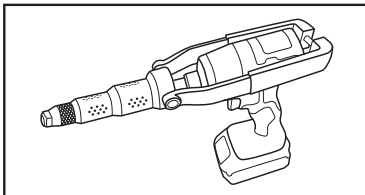
Adjustable clamping device
Made from high impact plastic and fits most cordless or corded impact and power drills

Rivet Attachment
Turns a power drill into an impact riveter.

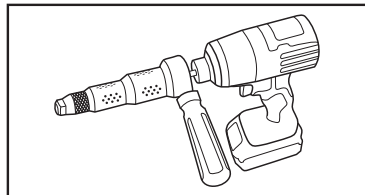


1/4" Hex shank
Fits most power and impact drills

Description	Contents	Shank Inch	Item #	Barcode
Rivet Attachment	1× Rivet Attachment (1/4" Hex shank) 4× Rivet inserts: 2.4mm (3/32"), 3.2mm (1/8"), 4.0mm (5/32"), 4.8mm (3/16") 1× Wrench 1× Adjustable clamp 1× Support handle	1/4	107PTS600	9311744445714



Use clamp attachment when you need to support workpiece with other hand while operating



Use handle attachment for two handed operation or when workpiece can be secured



107PTS600



COUNTERSINKS

• Drill Countersinks • Countersinks • Smart Chamfer

COUNTERSINKS

Countersinks Index

- 109** **Countersinks** Deburring Cross Hole, 90°
- 110** **Countersinks** HSS
- 111** **Countersinks** HSS 1/4" Hex Shank
- 110** **Countersinks** HSS Set
- 113** **Countersinks** Quickbits[®] - Rosehead
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- 114** **Countersinks** Rosehead
- 108** **Countersinks** Single Flute, 90°
- 108** **Countersinks** Three Flute, 90°
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- 111** **Drill Countersinks** Quickbits[®] - TCT Cut-Smart
- 114** **Smart Chamfer**

Countersinks Three Flute, 90°

sutton

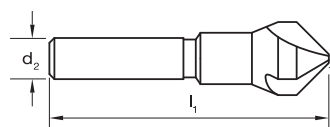
- Countersinking tool
- For machine use
- For use on most materials including plastics, non-ferrous & ferrous metals



Catalogue Code
Material
Surface Finish
Sutton Designation
Geometry
Point Type
Shank Tolerance



C105	C106
HSS	HSS
BrT	TiN
N	N
-	-
90°	90°
-	-



Size Ref.	Range	l_1	d_2	Pieces	Item #	Barcode	Item #	Barcode
0901	4-10mm	43	6.35 (1/4)		C1050901	9311963085890		
0902	4-14mm	48	6.35 (1/4)		C1050902	9311963085906		
0903	5-20mm	67	12.7 (1/2)		C1050903	9311963085913		
0904	6-28mm	72	12.7 (1/2)		C1050904	9311963085920		
0905	6-37mm	89	12.7 (1/2)		C1050905	9311963089706	C1060905	9311963090078
Set								
STF1	0901, 0902, 0903, 0904			4	C105STF1	9311963090405		
TF3	0901, 0902, 0903			3	S334093003	9311744436853		
STF1T	0901, 0902, 0903, 0904			4			C106STF1T	9311963107202



C105STF1



C106STF1T

Countersinks Single Flute, 90°

sutton

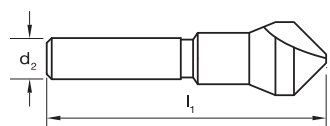
- Countersinking tool
- For use in portable drills or drilling machines
- For use on most materials including plastics, non-ferrous & ferrous metals



Catalogue Code
Material
Surface Finish
Sutton Designation
Geometry
Point Type
Shank Tolerance



C103	C104
HSS	HSS
BrT	TiN
N	N
-	-
90°	90°
-	-



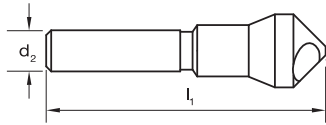
Size Ref.	Range	l_1	d_2	Item #	Barcode	Item #	Barcode
0901	4-10mm	43	6.35 (1/4)	C1030901	9311963085814	C1040901*	9311963089911
0902	4-14mm	48	6.35 (1/4)	C1030902	9311963085821		
0903	5-20mm	67	12.7 (1/2)	C1030903	9311963085838		
0904	6-28mm	72	12.7 (1/2)	C1030904	9311963085845		

*Not available once current stock is depleted.

Countersinks Deburring Cross Hole, 90°

sutton

- Deburring tool
- Smooth cutting action



Catalogue Code
Material
Surface Finish
Sutton Designation
Geometry
Point Type
Shank Tolerance

C101	C102
HSS	HSS
BrT	TiN
N	N
-	-
90°	90°
-	-

Size Ref.	Range	l ₁	d ₂	Pieces	Item #	Barcode	Item #	Barcode
0901	3-6mm	45	6.35 (1/4)	Double Ended	C1010901	9311963079561		
0902	4-10mm	43	6.35 (1/4)		C1010902	9311963079578	C1020902*	9311963089829
0903	5-13mm	48	6.35 (1/4)		C1010903	9311963079585	C1020903*	9311963088013
0904	8-20mm	67	12.7 (1/2)		C1010904	9311963079592		
0905	14-28mm	72	12.7 (1/2)		C1010905	9311963079608		
0906	13-37mm	89	12.7 (1/2)		C1010906	9311963089102		
Set								
SC1	0901, 0902, 0903, 0904, 0905			5	C101SC1	9311963079547		
CH3	0902, 0903, 0904			3	S334091003			
SC1T	0901, 0902, 0903, 0904, 0905			5			C102SC1T	9311963090115



C101SC1



C102SC1T

*Not available once current stock is depleted.

Countersinks HSS



Made from High Speed Steel for use in steel, tool steel, stainless steel, cast iron, brass and aluminium. Can be used in portable and pedestal drilling machines.



107CS0083



107CS0003



Made from M2 HSS
Offering the best combination of strength, heat and wear resistance

90° Three Flute
Made to DIN335 specifications, for countersinking/counterboring screw holes

Diameter mm	Inch	Range mm	O/A Length	Countersink Angle	No. Flutes	Shank mm	Pieces	Item #	Barcode
HSS Countersinks^A									
8.3		2.0 – 8.3	50	90°	3	6	1	107CS0083	9311744437412
12.4	1/2	2.8 – 12.4	56	90°	3	8	1	107CS0124	9311744437429
20.5		3.5 – 20.5	63	90°	3	10	1	107CS0205	9311744437436
3 Pce HSS Countersink Set^A							3	107CS0003	9311744439782



107CD1015



Made from M2 HSS
Offering the best combination of strength, heat and wear resistance

90° Cross Hole
For removing burrs

Diameter mm	Range mm	O/A Length	Countersink Angle	No. Flutes	Shank mm	Pieces	Item #	Barcode
HSS Countersinks - Deburring Cross Hole^A								
21	10 – 15	65	90°	1	10	1	107CD1015	9311744437450
28	15 – 20	84	90°	1	12	1	107CD1520	9311744437467

Countersinks HSS Set



For countersinking screw holes in steel, stainless steel, cast iron, brass and aluminium. For use in portable and pedestal drilling machines.



Description	Contents	Pieces	Item #	Barcode
HSS Countersink & Deburring Tool Set	HSS Countersinks: 8.3, 10.4, 12.4, 16.5mm Deburring Tool: 5-10mm	5	166044677	9311744446926

^ANew look packaging depicted. Actual product packaging may differ from image shown.

Countersinks HSS 1/4" Hex Shank



For countersinking screw holes in steel, tool steel, stainless steel, cast iron, brass and aluminium.
For use in portable and pedestal drilling machines.



1/4" Hex Shank
Suits impact drivers and quick change adaptors

Made from HSS
Offering the best combination of strength, heat and wear resistance

Diameter Inch	mm	O/A Length	Countersink Angle	No. Flutes	Screw Head	Shank Inch	Pieces	Item #	Barcode
90° Countersink - HSS		mm							C109
1/2	13.4	47	90°	1	M6	1/4	1	C1090127	9311963123714

Drill Countersinks Quickbits® - TCT Cut-Smart



Quickbits® TCT Cut-Smart 2-in-1 Decking Bit has been designed for perfect controlled drilling and countersinking with the one tool.
For use in timber decking, cement sheet, blue board, plastic and abrasive materials.



107CSC004



107CSD008



1/4" Hex Shank
Suits quick change adaptors



Adjustable Depth Stop
For accurate control of countersink depth

Non-Marking Stop Collar
Prevents tool from marking the workpiece



Removable TCT Drill
For easy replacement, each pack includes 2 bonus pilot drills

Extra-Wide Gullets
Allows chips to clear without jamming

TCT Countersink
For use in cement sheet, blue board, timber, plastic and abrasive materials

Diameter Inch	mm	O/A Length	Flute Length	Countersink Size	Countersink Angle	Screw Gauge	Shank Inch	Pieces	Item #	Barcode
TCT Drill Countersinks		mm	mm	mm						
1/8	3.18	60	38	9.5	82°	#8	1/4	1	107CSC000	9311744439577
9/64	3.57	60	38	9.5	82°	#10	1/4	1	107CSC001	9311744439331
5/32	3.97	60	38	9.5	82°	#12	1/4	1	107CSC002	9311744439348
3/16†	4.76	60	38	14.8	82°	#12	1/4	1	107CSC004	9311744439362
TCT Replacement Drills										
1/8	3.18	60	38			#8		2	107CSD008	9311744443291
9/64	3.57	60	38			#10		2	107CSD009	9311744443307
5/32	3.97	60	38			#12		2	107CSD010	9311744443314
3/16	4.76	60	38			#12		2	107CSD012	9311744443321

†Suits Type 17 bugle head batten screw

Drill Countersinks Quickbits® - TCT



Drill screw pilot hole and countersink in one action. Tungsten carbide tipped (TCT) countersink with multi-purpose drill bit. For use in cement sheet blue board, timber, plastic and abrasive materials.

TCT Countersink
For use in cement sheet, blue board, timber, plastic and abrasive materials



1/4" Hex Shank
Suits quick change adaptors



TCT Removable Drill
For easy replacement

Diameter		O/A Length	Flute Length	Countersink Size	Countersink Angle	Screw Gauge	Shank Inch	Pieces	Item #	Barcode
Inch	mm									
TCT Drill Countersinks			mm	mm	mm					
1/8	3.18	60	40	9.5	82°	#8	1/4	1	107DC0008	9311744445677
9/64	3.57	75	40	9.5	82°	#10	1/4	1	107DC0010	9311744437030
5/32	3.97	75	45	9.5	82°	#12	1/4	1	107DC0012	9311744437047
TCT Replacement Drills										
1/8	3.18	60	40			#8		1	107DCR008	9311744439850
9/64	3.57	75	40			#10		1	107DCR010	9311744438327

Drill Countersinks Quickbits®



Drill screw pilot hole and countersink in one action.



1/4" Hex Shank
Suits quick change adaptors



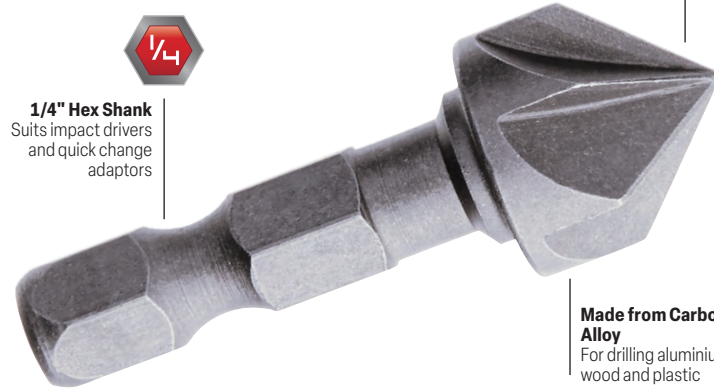
Made from High Speed Steel
For drilling timber and plastic

Description	Pieces	Item #	Barcode
Drill Countersink Set 3/32, 7/64, 1/8, 9/64 + Allen Key	4	105SDC000	9311744435043

Countersinks Quickbits® - Rosehead Impact



For countersinking screw holes in aluminium, wood and plastic.
Made from Chrome Vanadium for increased performance.

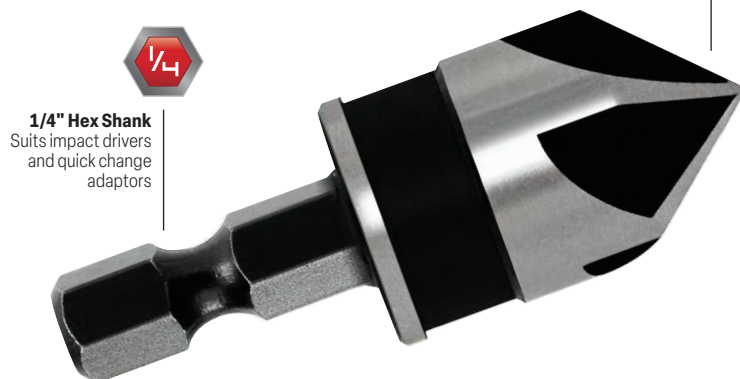


Diameter		O/A Length	Countersink Angle	No. Flutes	Screw Head	Shank Inch	Pieces	Item #	Barcode
mm	Inch								
Rosehead Impact Countersink - Stubby									
12.0	1/2	32	90°	5	M6	1/4	1	107BCSINK	9311744026401

Countersinks Quickbits® - Rosehead



For countersinking screw holes in aluminium, wood and plastic.
Made from Carbon Alloy Steel for good performance.



Diameter		O/A Length	Countersink Angle	No. Flutes	Screw Head	Shank Inch	Pieces	Item #	Barcode
mm	Inch								
Rosehead Countersinks									
13.0	1/2	50	90°	5	M6	1/4	1	105HCS013	9311744435074
16.0	5/8	50	90°	5	M8	1/4	1	105HCS016	9311744435081
19.0	3/4	50	90°	5	M10	1/4	1	105HCS019	9311744435098

Countersinks Rosehead



For countersinking screw holes in timber.
Made from Carbon Alloy Steel for good performance.



Description	O/A Length	Countersink Angle	Shank mm	Pieces	Item #	Barcode
3 Pce Set: 12, 16, 19mm	42	120°	6	3	92296*	9312621922960

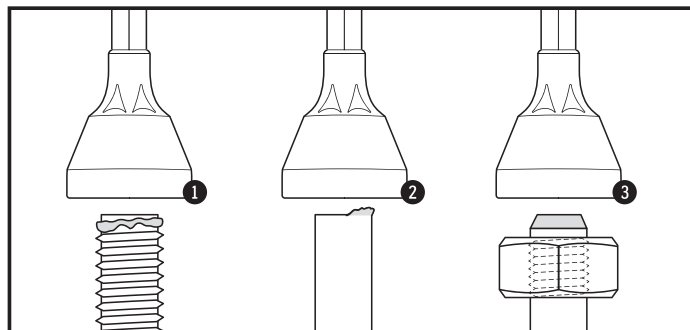
Smart Chamfer



Designed to quickly cut external chamfers on the ends of bolts or rods. Internal cutting edge for safe operation. Perfect for fast and safe repairs to damaged bolts, burr removal and threading work. Suitable to cut steel, stainless steel, brass, wood, fibreglass and plastic. Use at low speed.



Description	Max. Speed	Shank	Pieces	Item #	Barcode
High Speed Steel Smart Chamfer					
For 3-19mm Rods	400RPM	1/4	1	107DT0319	9311744446735
Tungsten Carbide Smart Chamfer					
For 13-35mm Rods	150RPM	8mm	1	107DT1335	9311963635514



Common Uses

- 1 Quickly repairs damaged thread allowing nut to thread
- 2 Chamfer rod to remove cutting burr
- 3 Chamfer rod prior to cutting thread

*Not available once current stock is depleted.



CARBIDE BURRS

• Carbide Burrs • Sets • Die Grinder Kit

CARBIDE BURRS

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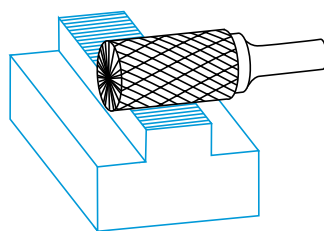
Carbide Burrs Cylindrical, Square End

sutton

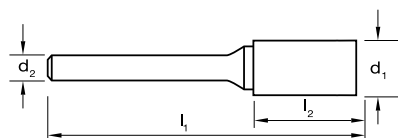
Double Cut, for rapid stock removal in the harder materials.

The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials.

Al Cut, for rapid stock removal of soft materials such as: Aluminium, Brass, Copper, Plastics that would normally load other cuts.



Cylindrical Square



Catalogue Code
Material
Surface Finish
Application
Geometry

Catalogue Code	B300	B315
Material	Tungsten Carbide	Tungsten Carbide
Surface Finish	Brt	Brt
Application	Steel	Aluminium
Geometry	Double Cut	Al Cut

Size Ref.	Diameter mm	O/A Length	Flute Length	Shank mm	Item #	Barcode	Item #	Barcode
Double Cut								
SA140	4.8	51.0	15.9	6.0	B300SA140	9311963554594		
SA100	6.0	51.0	15.9	6.0	B300SA100	9311963554587		
SA200	7.9	64.0	19.1	6.0	B300SA200	9311963554600		
SA300	9.5	64.0	19.1	6.0	B300SA300	9311963554617		
SA400	11.1	70.0	25.4	6.0	B300SA400	9311963554631		
SA500	13.0	70.0	25.4	6.0	B300SA500	9311963554679		
SA600	15.9	70.0	25.4	6.0	B300SA600	9311963554709		
Aluminium Cut								
SA1AC	6.4	51.0	19.1	6.0			B315SA1AC	9311963555645
SA3AC	9.5	64.0	19.1	6.0			B315SA3AC*	9311963555652
SA5AC	12.7	58.0	25.4	6.0			B315SA5AC	9311963555669

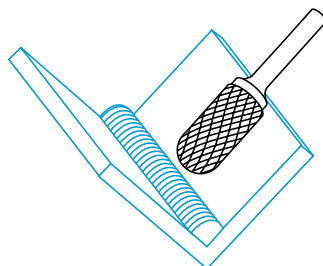
Carbide Burrs Cylindrical, Radius End

sutton

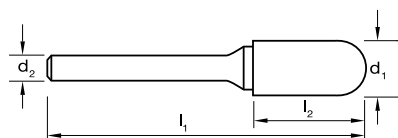
Double Cut, for rapid stock removal in the harder materials.

The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials.

Al Cut, for rapid stock removal of soft materials such as: Aluminium, Brass, Copper, Plastics that would normally load other cuts.



Cylindrical Round



Catalogue Code
Material
Surface Finish
Application
Geometry

Catalogue Code	B301	B316
Material	Tungsten Carbide	Tungsten Carbide
Surface Finish	Brt	Brt
Application	Steel	Aluminium
Geometry	Double Cut	Al Cut

Size Ref.	Diameter mm	O/A Length	Flute Length	Shank mm	Item #	Barcode	Item #	Barcode
Double Cut								
SC420	3.0	38.0	12.7	3.0	B301SC420	9311963554815		
SC100	6.0	51.0	15.9	6.0	B301SC100	9311963554730		
SC200	7.9	64.0	19.1	6.0	B301SC200	9311963554761		
SC300	9.5	64.0	19.1	6.0	B301SC300	9311963554778		
SC400	11.1	70.0	25.4	6.0	B301SC400	9311963554792		
SC500	12.7	70.0	25.4	6.0	B301SC500	9311963554822		
Aluminium Cut								
SC3AC	9.5	64.0	19.1	6.0			B316SC3AC	9311963555706
SC5AC	12.7	70.0	25.4	6.0			B316SC5AC	9311963555713

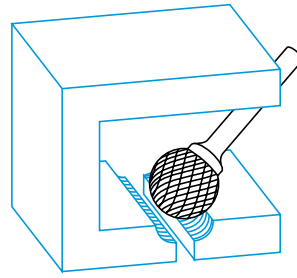
Carbide Burrs Ball Shape

sutton

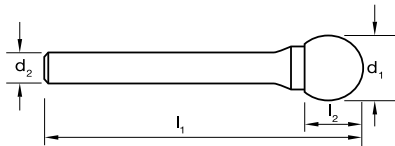
Double Cut, for rapid stock removal in the harder materials.

The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials.

Al Cut, for rapid stock removal of soft materials such as: Aluminium, Brass, Copper, Plastics that would normally load other cuts.



Ball Shape



Catalogue Code	B302
Material	Tungsten Carbide
Surface Finish	Brt
Application	Steel
Geometry	Double Cut

Size Ref.	Diameter mm	O/A Length	Flute Length	Shank mm	Item #	Barcode
Double Cut						
SD140	4.5	51.0	6.4	6.0	B302SD140	9311963554891
SD100	6.0	51.0	5.6	6.0	B302SD100	9311963554877
SD300	9.5	52.0	7.9	6.0	B302SD300	9311963554914
SD500	12.7	56.0	11.1	6.0	B302SD500	9311963554969

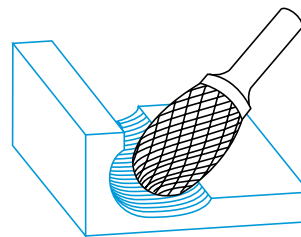
Carbide Burrs Oval Shape

sutton

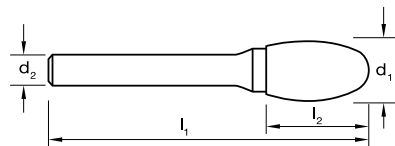
Double Cut, for rapid stock removal in the harder materials.

The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials.

Al Cut, for rapid stock removal of soft materials such as: Aluminium, Brass, Copper, Plastics that would normally load other cuts.



Oval Shape



Catalogue Code	B303
Material	Tungsten Carbide
Surface Finish	Brt
Application	Steel
Geometry	Double Cut

Size Ref.	Diameter mm	O/A Length	Flute Length	Shank mm	Item #	Barcode
Double Cut						
SE300	9.5	60.0	15.1	6.0	B303SE300	9311963555034
SE500	12.7	67.0	22.2	6.0	B303SE500	9311963555058
SE600	15.9	70.0	25.4	6.0	B303SE600	9311963555072

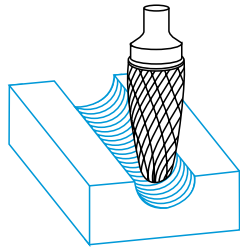
Carbide Burrs Tree Shape, Radius End

sutton

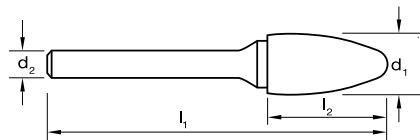
Double Cut, for rapid stock removal in the harder materials.

The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials.

Al Cut, for rapid stock removal of soft materials such as: Aluminium, Brass, Copper, Plastics that would normally load other cuts.



Tree Shape Radius



Catalogue Code
Material
Surface Finish
Application
Geometry

B304	B319
Tungsten Carbide	Tungsten Carbide
Brt	Brt
Steel	Aluminium
Double Cut	Al Cut

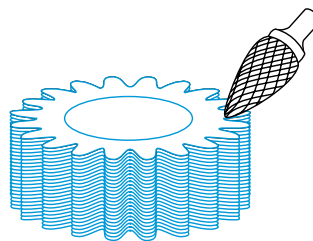
Size Ref.	Diameter mm	O/A Length	Flute Length	Shank mm	Item #	Barcode	Item #	Barcode
Double Cut								
SF100	6.0	51.0	15.9	6.0	B304SF100	9311963555096		
SF300	9.5	64.0	19.1	6.0	B304SF300	9311963555126		
SF400	11.1	70.0	25.4	6.0	B304SF400	9311963555140		
SF500	12.7	70.0	25.4	6.0	B304SF500	9311963555171		
Aluminium Cut								
SF3AC	9.5	64.0	19.1	6.0			B319SF3AC	9311963555829
SF5AC	12.7	70.0	25.4	6.0			B319SF5AC	9311963555836

Carbide Burrs Tree Shape, Pointed End

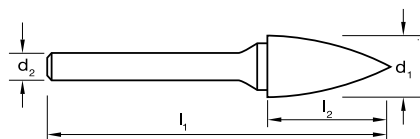
sutton

Double Cut, for rapid stock removal in the harder materials.

The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials.



Tree Shape Pointed



Catalogue Code
Material
Surface Finish
Application
Geometry

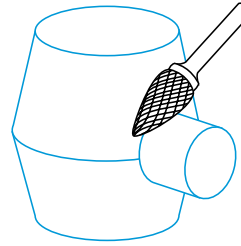
B305
Tungsten Carbide
Brt
Steel
Double Cut

Size Ref.	Diameter mm	O/A Length	Flute Length	Shank mm	Item #	Barcode
Double Cut						
SG100	6.0	51.0	15.9	6.0	B305SG100	9311963555225
SG300	9.5	64.0	19.1	6.0	B305SG300	9311963555263
SG500	12.7	70.0	25.4	6.0	B305SG500	9311963555294

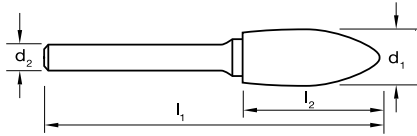
Carbide Burrs Flame Shape

sutton

Double Cut, for rapid stock removal in the harder materials.
The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials.



Flame Shape



Catalogue Code	B306
Material	Tungsten Carbide
Surface Finish	Brt
Application	Steel
Geometry	Double Cut

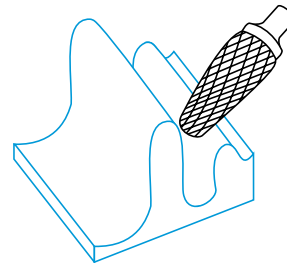
Size Ref.	Diameter mm	O/A Length	Flute Length	Shank mm	Item #	Barcode
Double Cut						
SH200	7.9	64.0	19.1	6.0	B306SH200	9311963555348
SH500	12.7	70.0	25.4	6.0	B306SH500	9311963555362

Carbide Burrs Taper Shape

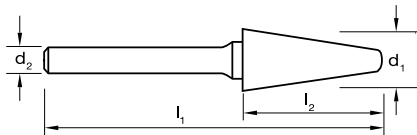
sutton

Double Cut, for rapid stock removal in the harder materials.
The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials.

Al Cut, for rapid stock removal of soft materials such as: Aluminium, Brass, Copper, Plastics that would normally load other cuts.



Taper Shape



Catalogue Code	B307
Material	Tungsten Carbide
Surface Finish	Brt
Application	Steel
Geometry	Double Cut

Size Ref.	Diameter mm	O/A Length	Flute Length	Shank mm	Radius	Item #	Barcode
Double Cut							
SL100	6.0	51.0	15.9	6.0	14	B307SL100	9311963555393
SL200	7.9	67.0	22.2	6.0	14	B307SL200	9311963555409
SL300	9.5	71.0	27.0	6.0	14	B307SL300	9311963555416
SL400	12.7	73.0	28.6	6.0	14	B307SL400	9311963555430
SL600	15.9	78.0	33.3	6.0	14	B307SL600	9311963555461
Aluminium Cut							
SL4AC	12.7	74.0	29.0	6.0	14	B320SL4AC	9311963555850

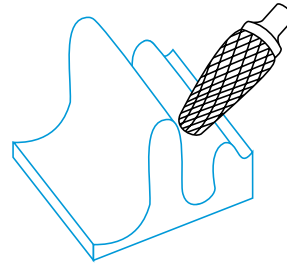
Carbide Burrs Taper Shape

sutton

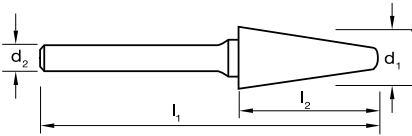
Double Cut, for rapid stock removal in the harder materials.

The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape, in most materials.

Al Cut, for rapid stock removal of soft materials such as: Aluminium, Brass, Copper, Plastics that would normally load other cuts.



Taper Shape



Catalogue Code	B220
Material	VHM
Surface Finish	Br
Application	Aluminium
Geometry	Al Cut
Shank	1/4"

Size Ref.	Diameter Inch	O/A Length	Flute Length	Shank Inch	Angle	Item #	Barcode
Aluminium Cut							
SL6AC	5/8	3-1/16	1-5/16	1/4	14°	B220SL6AC	9311963030388

Carbide Burrs Set

sutton

Set packed in ABS case (industrial grade plastic material).
Double Cut.



Catalogue Code	B901
Material	Tungsten Carbide
Surface Finish	Br
Application	Steel
Geometry	Double Cut

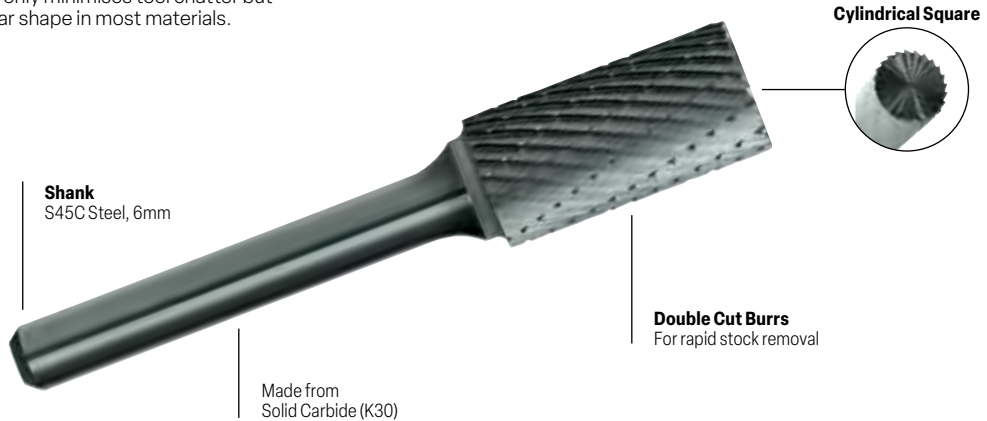
Size Ref.	Contents	Diameter	Shank mm	Pieces	Item #	Barcode
Burr Set						
SCB5A	SA300, SA500, SC300, SC500, SF300	9.5 & 12.7mm	6	5	B901SCB5A	9311963555911

Carbide Burrs Double Cut



For shaping or forming metal, to use in air and electric die grinders.

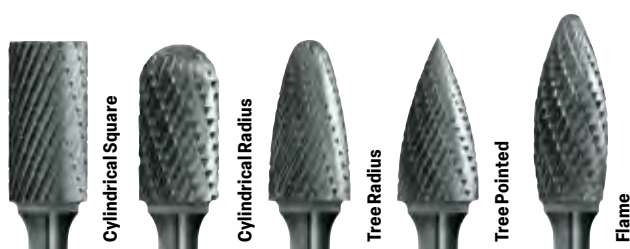
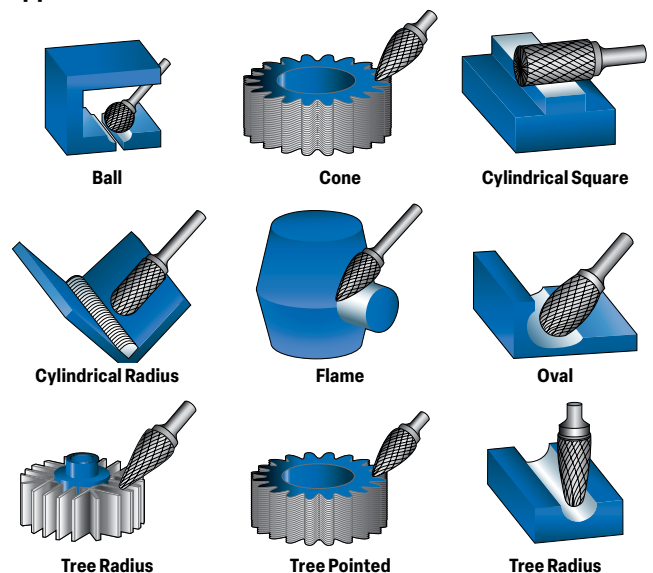
Double Cut: Allows for rapid stock removal in harder materials. The chisel tooth pattern not only minimises tool chatter but reduces the chip to a granular shape in most materials.



Size	O/A Length	Shank mm	Pieces	Item #	Barcode
Cylindrical (Square)[^]					
6.35	W	6	1	918CS06166	9311744437566
8.0	20	6	1	918CS08206	9311744437573
12.0	25	6	1	918CS12256	9311744437580
Cylindrical (Radius)[^]					
6.35	16	6	1	918CR06166	9311744437597
10.0	20	6	1	918CR10206	9311744437603
12.0	25	6	1	918CR12256	9311744437610
Tree (Radius)[^]					
6.35	16	6	1	918TR06186	9311744437627
10.0	20	6	1	918TR10206	9311744437634
12.0	25	6	1	918TR12256	9311744437641
Tree (Pointed)[^]					
6.35	16	6	1	918TP06186	9311744437658
10.0	20	6	1	918TP10206	9311744437665
12.0	25	6	1	918TP12256	9311744437672
5 Piece Set[^]					
12mm x Cylindrical (Square), Cylindrical (Radius), Tree (Radius), Tree (Pointed) & Flame			5	918CRSET5M	9311744438105

Diameter	Double Cut
Ø6.35mm	22,000 RPM
Ø8mm	20,000 RPM
Ø10mm	18,000 RPM
Ø12mm	16,000 RPM

Application



[^]New look packaging depicted. Actual product packaging may differ from image shown.

Air Tools Die Grinder Kit



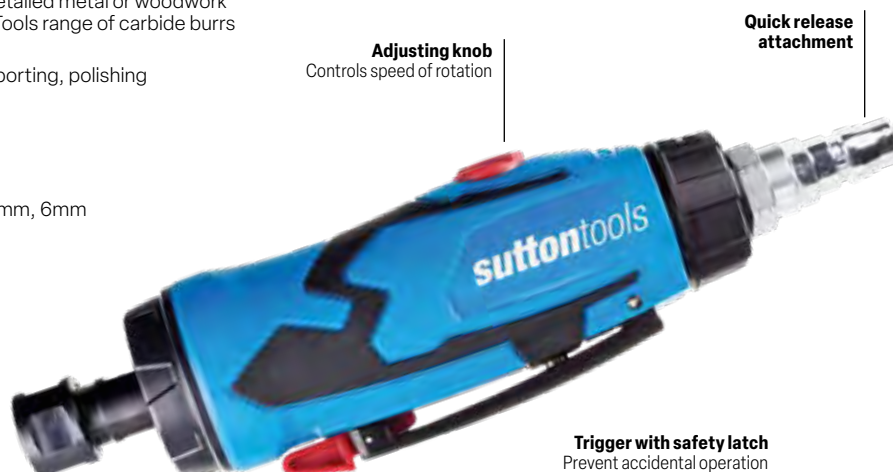
Sutton Tools Die Grinder is the perfect tool for detailed metal or woodwork providing precise clean cuts. Use it with Sutton Tools range of carbide burrs to sculpt and shape harder materials.

Suitable for grinding back and neatening welds, porting, polishing and woodworking applications.



Specifications:

- Collet capacity: 1/8", 1/4", 3mm, 6mm
- No load speed: 25,000 RPM
- Air Pressure: 90 PSI
- Overall Length: 165mm
- Net Weight: 557g



Adjusting knob
Controls speed of rotation

Quick release attachment

Trigger with safety latch
Prevent accidental operation

Description	Contents	Item #	Barcode
Die Grinder Kit	Pneumatic Die Grinder, 4 Collets: 1/8", 1/4", 3mm, 6mm 2 x Wrenches	B9020002	9311963613628

Recommended Cutting Speeds (RPM) – Standard Length Burrs

Diameter	Steels & Alloys Stainless Steel Aluminium			Max RPM
	Double Cut	Double Cut	Aluminium Cut	
1/16	33,000	50,000	-	78,000
3/32	26,000	40,000	-	60,000
1/8	23,000	35,000	-	53,000
3/16	17,000	25,000	-	38,000
1/4	15,000	22,000	30,000	33,000
5/16	13,000	20,000	25,000	30,000
3/8	12,000	18,000	20,000	27,000
7/16	11,500	17,000	18,000	26,000
1/2	11,000	16,000	15,000	24,000
5/8	10,000	15,000	12,000	23,000
3/4	9,000	14,000	10,000	21,000
7/8	8,500	13,000	-	20,000
1	8,000	12,000	-	18,000

Note: Reduce cutting speeds by 50% when using long shank carbide burrs.



SCREWDRIVERS

• Screwdriver Bits • Carded • Bulk • Sets

SCREWDRIVERS

Screwdriver Bits Index

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Screwdriver Bits Supabit, Torsion - Phillips®

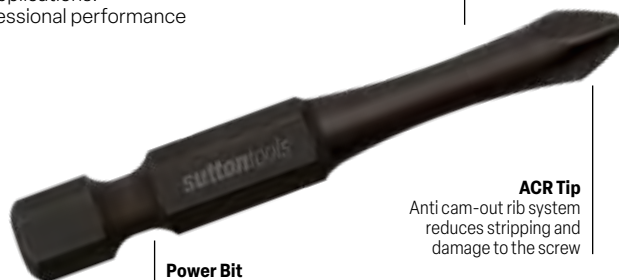


sutton

SUPABIT
EXTREME IMPACT

Torsion Bits

Specifically suited to withstand high torque applications. The elastic property of these bits deliver professional performance that stands up to rigorous use.



Power Bit
1/4" hex for use in impact drivers and quick change adapters

ACR Tip
Anti cam-out rib system reduces stripping and damage to the screw

Torsion Neck
Designed to disperse torsional stress and reduce wear of the screwdriver bit

Insert Bit
1/4" hex for use in bit holders and hand drivers



Application

- DIY
- Trade
- Industrial Application
- Automotive
- Electrical
- Plumbing
- Carpentry
- Plastering
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Size	O/A Length	Pieces	Item #	Carded Barcode	Order Qty	Item #	Bulk Pack Barcode
Insert Bits			S106				S107
PH1	25	1	S1060125	9311963441306			
PH2	25	1	S1060225	9311963441313			
Power Bits - Torsion							
PH1	50	1	S1060150	9311963441368			
PH2	50	1	S1060250	9311963441375			
PH3	50	1	S1060350	9311963441382	10	S1070350	9311963441412
			S150				
PH2	50	2	S1500250	9311963608525			
PH2	100	5	S15102100	9311963608594			
PH2	152	2	S15002152	9311963608617			
			S151				
PH2	50	5	S1510250	9311963608532			
PH2	152	5	S15102152	9311963608624			

Screwdriver Bits Supabit, Hex



This system is very popular in machine tools and driving deck screws. The vertically sloping side walls of a HEX recess screw head prevent the cam-out recess effect.



Power Bit
1/4" hex for use in impact drivers and quick change adapters

Insert Bit
1/4" hex for use in bit holders and hand drivers



Recess Design
Provides better mating with the driver, greater driving surface and minimal metal "fall away"

Application (Hex)

- DIY
- Trade
- Automotive
- Furniture
- Carpentry
- General Contracting
- Metalworking
- Machine Shop
- MRO

Size mm	O/A Length	Pieces	Item #	Carded Barcode	Order Qty	Item #	Bulk Pack Barcode
Insert Bits			S114			S115	
4	25				10	S1150425	9311963041834
5	25	1	S1140525	9311963352282	10	S1150525	9311963041841
6	25				10	S1150625	9311963041858
8	25				10	S1150825	9311963041865
Power Bits – Full Rounded Body							
5	50	1	S1140550	9311963439129	10	S1150550	9311963049441
5	75	1	S1140575	9311963439136			
5	100	1	S11405100	9311963439143			
				S146			
5	50	2	S1460550	9311963608334			
5	152	2	S14605152	9311963608402			
				S147			
5	50	5	S1470550	9311963608341			

Screwdriver Bits Supabit, Square Recess

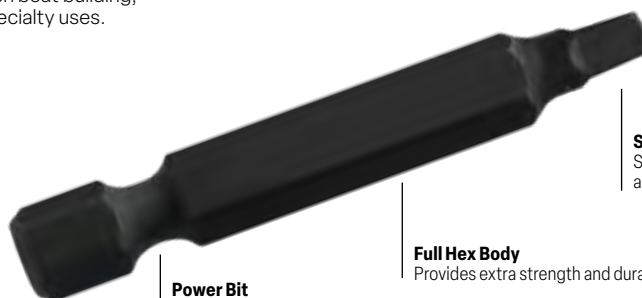
sutton

SUPABIT
EXTREME IMPACT



3X
TORQUE

This system is very popular especially for wooden boat building, mobile homes, recreation vehicles and other specialty uses. Also known as a Robertson® bit.



Power Bit
1/4" hex for use in impact drivers and quick change adapters

Full Hex Body
Provides extra strength and durability

Square Recess Tip
Specialised tip design for a number of applications

Insert Bit
1/4" hex for use in bit holders and hand drivers



Application

- Appliances
- Cabinet Making
- Decking
- Trade
- Carpentry
- Plastering
- Woodworking
- HVAC

Size	O/A Length	Pieces	Item #	Carded Barcode	Order Qty	Item #	Bulk Pack Barcode
Insert Bits			S118			S119	
R1	25	2	S1180125	9311963024691	10	S1190125	9311963039770
R2	25	2	S1180225	9311963024707	10	S1190225	9311963039787
R3	25	2	S1180325	9311963024721	10	S1190325	9311963039794
Power Bits – Full Hex Body							
R1	50	1	S1180150	9311963024738	10	S1190150	9311963039800
R1	90				10	S1190190	9311963049465
R1	100	1				S11901100	9311963623689
R1	150				10	S11901150	9311963049489
R2	50	1	S1180250	9311963024745	10	S1190250	9311963039817
R2	75				10	S1190275	9311963039862
R2	90	1	S1180290	9311963024769	10	S1190290	9311963049472
R2	150	1	S11802150	9311963024776	10	S11902150	9311963049649
R3	50	1	S1180350	9311963024752	10	S1190350	9311963039824
2 Pce Sets			S148				
R2	50	2	S1480250	9311963608426			
R2	152	2	S14802152	9311963608501			
5 Pce Sets			S149				
R2	50	5	S1490250	9311963608433			
Double Ended Sets			S119				
R2/R2	75	6	S1191275	9311963570365			
R3/R3	75	6	S1191375	9311963570372			

Screwdriver Bits Supabit, Magnetic Nutsetter

sutton®

SUPABIT
EXTREME IMPACT



3X
TORQUE

Nutsetters are used predominantly in the roofing industry to drive hex head screws.



Power Bit
1/4" hex for use in impact drivers and quick change adapters

High Performance Materials
Delivers professional performance that stands up to rigorous use

Opening
Available for both metric and imperial sizes

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Size	O/A Length	Pieces	Item #	Carded Barcode	Order Qty	Item #	Bulk Pack Barcode
Magnetic Nutsetter – Imperial				S132			S133
1/4	45	1	S1320645	9311963074160	10	S1330645	9311963039893
1/4	65	1	S1320665	9311963074191	10	S1330665	9311963042015
1/4	150	1	S13206150	9311963518565			
5/16	45	1	S1320845	9311963074177	10	S1330845	9311963039909
5/16	65	1	S1320865	9311963074207	10	S1330865	9311963042022
5/16	150	1	S13208150	9311963518572			
3/8	50	1	S1320950	9311963074184	10	S1330950	9311963041797
3/8	65	1	S1320965	9311963074214	10	S1330965	9311963043401
3/8	150	1	S13209150	9311963518589			
Magnetic Nutsetter – Metric							S135
10	50				10	S1351050	9311963051062

Screwdriver Bits Supabit, Pressure Fit Nutsetter

sutton®

SUPABIT
EXTREME IMPACT



Ideal for stainless steel screws and roofing applications. The spring ball locking mechanism eliminates the need for magnets and ensures a tighter fit on the fastener head for stronger, faster driving.



Power Bit
1/4" hex for use in impact drivers and quick change adapters

Chrome Vanadium Steel
& DIN standard

Pressure Fit
Spring-ball locking ensures a tight fit for stronger, faster driving

Size	O/A Length	Pieces	Item #	Barcode
Pressure Fit Nutsetter				S158
5/16	65	1	S1580865	9311963635491



sutton

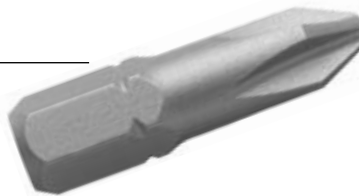
Phillips is the most widely used drive system in the world. The design absorbs torque peak reducing slippage and breakage.



Power Bit
1/4" hex for use in power tools and quick change adapters

Chrome Vanadium
Tough grade high alloy steel absorbs shock and offers superior performance

Insert Bit
1/4" hex for use in bit holders and hand drivers



Application

- DIY
- Trade
- Industrial Application
- Automotive
- Electrical
- Plumbing
- Carpentry
- Plastering
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Size	O/A Length	Pieces	Item #	Carded Barcode	Order Qty	Item #	Bulk Pack Barcode
Insert Bits			S104			S105	
PH1	25	1	S1040125	9311963004198	10	S1050125	9311963031798
PH2	25	1	S1040225	9311963005010	10	S1050225	9311963031804
PH3	25	1	S1040325	9311963007830			
PH2 R	Reduced	25			10	S1050225R	9311963031866
Power Bits – Full Rounded Body							
PH1	50	1	S1040150	9311963072746	10	S1050150	9311963035284
PH2	50	1	S1040250	9311963072753	10	S1050250	9311963035291
PH2	70	1	S1042265	9311963570464	10	S1050270	9311963035321
PH2	90	1	S1040290	9311963106717	10	S1050290	9311963035345
PH2	100	1	S10422100	9311963570471	10	S10502100	9311963039374
PH2	150	1	S10402150	9311963179391	10	S10502150	9311963050027
PH3	50	1	S1040350	9311963072760	10	S1050350	9311963035307
PH3	90				10	S1050390	9311963035352
Power Bit – Full Hex Body							
PH2	65	1	S1040265	9311963570440			
Double Ended Bits			S122			S125	
PH2/PH2	45	1	S1220245	9311963106724			
PH2/PH2	65	1	S1220265	9311963179377	10	S1250260	9311963049885
Double Ended Bits – Full Hex Body			S104				
PH2/PH2	100	1	S10412100	9311963570457			



Reduced Head
Ideal for use in restricted areas



Double Ended



Double Ended Full Hex Body

sutton®

ACR®

Designed to offer extra grip for removal of stubborn or damaged screw recesses.



Power Bit
1/4" hex for use in power tools and quick change adapters

Full Hex Body
Provides extra strength and durability

ACR® Tip
Provides a positive grip on screw recess



Insert Bit
1/4" hex for use in bit holders and hand drivers

Application

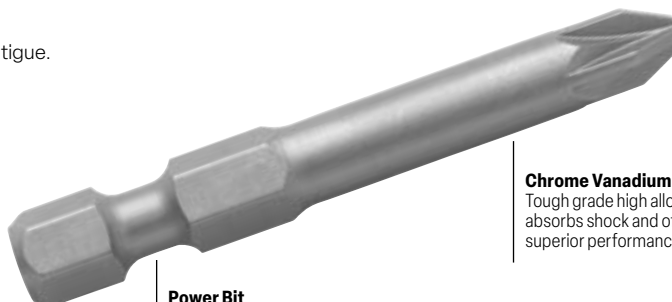
- DIY
- Trade
- Industrial Application
- Automotive
- Electrical
- Plumbing
- Carpentry
- Plastering
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Size	O/A Length	Order Qty	Item #	Bulk Pack Barcode
Insert Bit				S109
PH2	25	10	S1090225	9311963050256
Power Bit – Full Hex Body				
PH2	50	10	S1090250	9311963050010



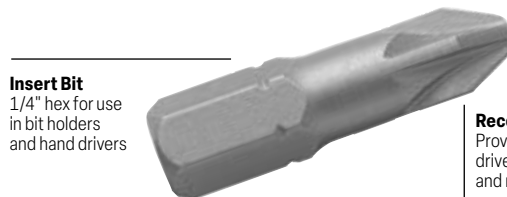
sutton

The self-centring Pozidriv system provides excellent driving control with less operator fatigue.



Power Bit
1/4" hex for use in power tools and quick change adapters

Chrome Vanadium
Tough grade high alloy steel absorbs shock and offers superior performance



Insert Bit
1/4" hex for use in bit holders and hand drivers

Recess Design
Providing better mating with the driver, greater driving, surface and minimal metal "fall away"

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

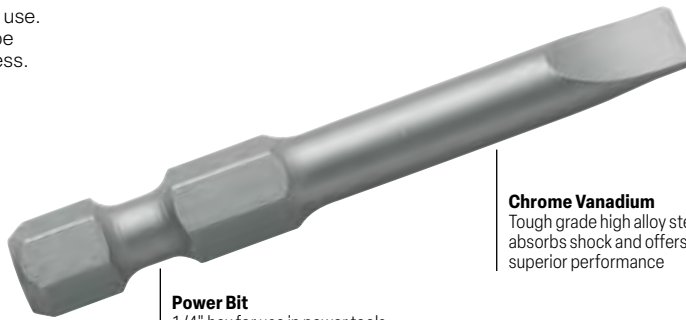
Size	O/A Length	Pieces	Item #	Carded Barcode	Order Qty	Item #	Bulk Pack Barcode
Insert Bits			S102			S103	
PZ1	25	2	S1020125	9311963009032	10	S1030125	9311963031873
PZ2	25	2	S1020225	9311963009544	10	S1030225	9311963032030
PZ3	25				10	S1030325	9311963032078
Power Bits – Full Rounded Body							
PZ1	50	1	S1020150	9311963072777	10	S1030150	9311963035628
PZ1	75				10	S1030175	9311963039749
PZ1	150				10	S10301150	9311963037066
PZ2	50	1	S1020250	9311963072784	10	S1030250	9311963035635
PZ2	75				10	S1030275	9311963039756
PZ2	150				10	S10302150	9311963037073
PZ3	50	1	S1020350	9311963072791	10	S1030350	9311963036205
PZ3	75				10	S1030375	9311963039763
PZ3	150				10	S10303150	9311963037080
Double Ended Bits							
PZ2/PZ2	45	2	S1020245	9311963570488			
PZ2/PZ2	65	2	S1020265	9311963570501			
				S120			
PZ2/PZ2	60	1	S1200260	9311963179384			

Screwdriver Bits Slotted



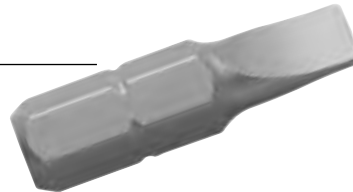
sutton®

The most popular driving system for general use. For positive drive, the screwdriver tip must be turned 90 degree to align itself with the recess.



Power Bit
1/4" hex for use in power tools and quick change adapters

Chrome Vanadium
Tough grade high alloy steel absorbs shock and offers superior performance



Insert Bit
1/4" hex for use in bit holders and hand drivers

Application
DIY
Trade
Industrial Application
Automotive
Electrical
Plumbing
Carpentry
Plastering
General Contracting
Woodworking
Metalworking
Machine Shop
MRO

Size	O/A Length	Pieces	Item #	Carded Barcode	Order Qty	Item #	Bulk Pack Barcode
Insert Bits				S100		S101	
5-6	25	2	S1005625	9311963005164			
6-8	25	2	S1006825	9311963005508	10	S1016825	9311963049380
Power Bits – Full Rounded Body							
2-3	50	1	S1002350	9311963072715			
5-6	50	1	S1005650	9311963072722	10	S1015650	9311963037134
6-8	50				10	S1016850	9311963037141
8-10	50	1	S10081050	9311963072739	10	S10181050	9311963037158
Power Bits – Full Hex Body							
4	50	1	S1004550	9311963570389			
6	50	1	S1006850	9311963570396			

Screwdriver Bits Torx®



sutton®

The system provides NO CAM-OUTS because of the straight, vertical side walls in the design of the recessed screw head. Also provides a greater depth of engagement between the driver and the fastener due to the 6 lobes.



Insert Bit
1/4" hex for use
in bit holders
and hand drivers



Torx® Tip
Popular in automotive
and appliance assembly

Application

- DIY
- Trade
- Appliances
- Automotive

Size	O/A Length	Pieces	Item #	Carded Barcode	Order Qty	Item #	Bulk Pack Barcode
Insert Bits – Bulk			S110			S111	
T10	25	2	S1101025	9311963570402	10	S1111025	9311963041902
T15	25	2	S1101530	9311963570419	10	S1111525	9311963041919
T20	25				10	S1112025	9311963041926
T25	25	2	S1102530	9311963570426			
T27	25	2	S1102730	9311963570433			
T30	25				10	S1113025	9311963041957

Screwdriver Bits Torx® Tamper Resistant

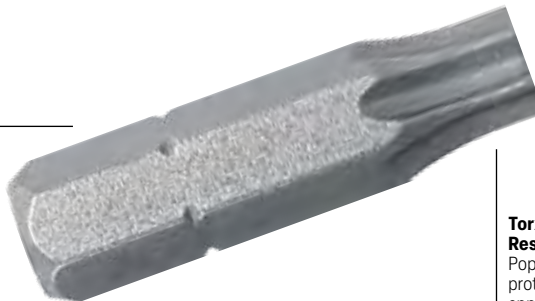


sutton®

Tamper resistant bits for the installation and removal of security fasteners.



Insert Bit
1/4" hex for use
in bit holders
and hand drivers



Torx® Tamper Resistant Tip
Popular in security
protection
applications

Application

- DIY
- Trade
- Appliances
- Automotive
- Security

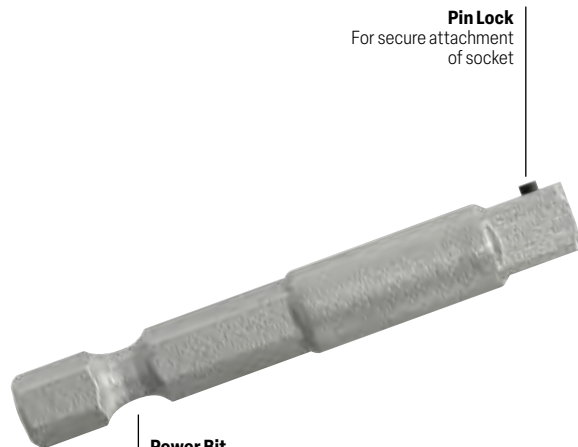
Size	O/A Length	Order Qty	Item #	Bulk Pack Barcode
Insert Bits – Bulk			S113	
TR15	25	10	S1131525	9311963045085
TR20	25	10	S1132025	9311963045108
TR25	25	10	S1132525	9311963045283

Screwdriver Bits Socket Adaptor



sutton

For use with a power socket. Ideal for when high torque loads are required.



Pin Lock
For secure attachment of socket

Power Bit
1/4" hex for use in power tools and quick change adapters

Application

DIY
Trade
Automotive
Electrical
Plumbing
Carpentry
General Contracting
Woodworking
Metalworking
Machine Shop
MRO

Size	O/A Length	Pieces	Item #	Barcode
Power Bit				S136
1/4	50	1	S1360650	9311963439013

Screwdriver Bits Magnetic Bit Holder



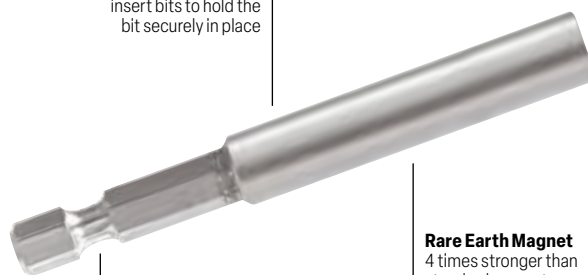
sutton

Help you change bits faster for greater productivity.



C-Ring
Internal clip fits into the retaining notch of insert bits to hold the bit securely in place

Opening
Designed for use with insert bits



Power Bit
1/4" hex for use in power tools and quick change adapters

Rare Earth Magnet
4 times stronger than standard magnets

Application

DIY
Trade
Industrial Application
Automotive
Electrical
Plumbing
Carpentry
Plastering
General Contracting
Woodworking
Metalworking
Machine Shop
MRO

Size	O/A Length	Pieces	Item #	Carded Barcode	Order Qty	Item #	Bulk Pack Barcode
Power Bit Holder with C-Ring – Magnetic				S128			S129
1/4	55				10	S1290650	9311963049663
1/4	75	1	S1280675	9311963005171	10	S1290675	9311963037233

Screwdriver Bits Magnetic Screw Guide



sutton

Designed to hold extra long fasteners in place.



Rare Earth Magnet
4 times stronger than standard magnets firmly holds screw

Power Bit
1/4" hex for use in power tools and quick change adapters

Retracting Sleeve
The guide sleeve retracts as the fastener is driven into the work piece

Size	O/A Length	Length*	Shank Inch	Item #	Barcode
Power Bit Holder with Retracting Sleeve					S130
1/4	120	80	1/4	S13080120	9311963439082
1/4	200	120	1/4	S130120200	9311963439099

*Length when retracted

Screwdriver Bits Quick Change Extension



sutton

Suitable for dry-wall installation. The extra strong magnet firmly holds screw in place.



Rare Earth Magnet
Extra-strong magnet firmly holds screw

Power Bit
1/4" hex for use in power tools

Fast Change
One touch ejection of screwdriver bit

Application
DIY
Trade
Automotive
Electrical
Plumbing
Carpentry
General Contracting
Woodworking
Metalworking
Machine Shop
MRO

Size	O/A Length	Shank Inch	Item #	Barcode
Magnetic Extension Bars				S131
1/4	150	1/4	S13106150	9311963600291

Screwdriver Bits Sets



sutton®

Popular configuration to suit a variety of applications.
Steel Grade S2 59-62 HRC



S1380250



S1380017



S1380008

Description	O/A Length	Case	Pieces	Item #	Barcode	
					S138	
Screwdriver Phillips Power Bits - Round Body						
PH2	50	Plastic	10	S1380250*	9311963439037	
Screwdriver Insert Bits Assorted Set						
Slotted: 4mm, 5mm, 6mm, 7mm Phillips: PH1, PH2, PH3 Pozidriv: PZ1, PZ2, PZ3 Torx: T10, T15, T20, T25, T30, T40 Magnetic Bit Holder 1/4"	60	Plastic	17	S1380017	9311963439075	
Belt Clip Set						
Phillips: PH0, PH1, PH2, PH3 Slotted: 4mm, 5mm, 6mm Offset Screwdriver Wrench	25	Plastic	8	S1380008	9311963570532	

Screwdriver Bits Quickbits® - Smart Setter



Smart Setter features adjustable screw depth designed for controlled and uniform screwing on decks, drywall and general fastening without marking the surface or damaging the screw recess. Fits most types of screw bits with 1/4" hex shank.

Stop Collar
With easy-spin bearing prevents tool from marking the workpiece



1/4" Hex Shank
Suits impact drivers and quick change adaptors










Depth Activated Clutch
Stops screw bit drive once desired depth is reached and prevents screw head damage

Adjustable Depth Stop
For accurate control of screw depth

Extra-Wide Gullets
Allow chips to clear without jamming

Description	Contents	Shank Inch	Pieces	Item #	Barcode
Smart Setter	1 x Smart Setter 5 x 25mm Torsion Insert Bits: 3 x PH2, 1 x H5, 1 x R2	1/4	6	107TDR075	9311744445691

Screwdriver Bits Technical Information

						
Flat	Oval	Round	Button	Truss	Pan	Socket
Installs flush with metal surfaces or countersinks with softer materials for clean appearance.	Used where countersink installation is desired. Rounded head offers deep recess and is visible just above the surface.	Widely used for general purposes. Features a high crown with a deep recess and smaller diameter head than our Truss or Pan Head designs.	Used for general purposes with a lower crown and shallower recess than our Round Head design.	Low profile offers added security against vice-grips removal. Large diameter head for increased fastening strength.	Features a low profile, large diameter head with a high-edged crown for increased strength.	Features a cylindrical head profile allowing for a deeper recess. This style of head is common amongst TORX® and Hex drive systems.

Types of Screw Threads



These types have a locating point with either an A or B thread forming screw thread.



Ideal for applications where no pilot holes are required due to a type AB thread with a self drilling point.



Available in both imperial or metric threads, these screws offer a straight sheared point.

Frequently Asked Questions

Are your screwdriver bits milled or forged?

Our bits are forged for many reasons such as life and performance. This manufacturing process enables our screwdriver bits to have superior performance characteristics against milled equivalents.

What is the difference between an insert bit and a power bit?

The insert bits are commonly used with a magnetic bit holder in a power tool. This combination is economical, provides flexibility and allows a fastener to be magnetically held by the bit. The power bits are placed directly into the drill chuck.

What is ISO-Temp™?

ISO-TEMP™ has been developed to combine both the low wear advantages of extra hard bits and the high elasticity of medium hard bits. This means that ISO-TEMP™ bits ideally suit screw driving in hard materials where high torque peaks need to be counteracted.

Where do I use reduced diameter bits?

In applications for driving screws below the surface of a drywall.

Painted, coated and corroded fasteners provide excessive cam-out, what should I do?

ACR® bits, with their extra grip, are a good solution. ACR® bits are available in both insert and power drives.

How do I identify between Phillips® and Pozidriv® bits?

The shallow 'cross' indentations in the screw head identify a Pozidriv® fastener. The Pozidriv® bit and recess design provides more surface contact between the bit and the screw head than a standard Phillips®. Therefore, the Pozidriv® allows you to apply more torque, reduce the possibility of cam-out. Another way to distinguish the difference is that a Pozidriv® bit can drive a Phillips® screw (but not recommended), whilst a Phillips® bit will struggle to drive a Pozidriv® screw.

Registered Trademarks:

ACR, PHILLIPS, POZIDRIV, TORQ-SET and TRI-WING are registered trademarks of the Phillips Screw Company. TORX and TORX-ALIGN are registered trademarks of Camcar Division of Textron.

Usage By Industry

	Automotive	Aviation	Appliance	Furniture	Construction / Decking	Public Transport	Electronics	Rec/Hobby	Marine	Security	Drywall / Subfloor	Machine Tools / Metal
Phillips®	•	•	•	•	•	•	•	•	•		•	
Slotted	•	•	•	•	•	•	•	•	•			
Torx®	•		•				•					
Tamper Resistant	•		•			•	•			•		
Torq-Set®		•								•		
Tri-Wing®		•								•		
Pozidriv®	•	•	•	•	•	•	•	•	•		•	
Square			•	•						•		
Frearson								•				
Torx-Align®	•		•			•						
Hex	•											•



HOLESAWS & SAW BLADES

- Holesaws • Arbors • Hacksaw Blades • Jigsaw Blades
- Reciprocating Blades • Circular Saws

HOLESAWS & SAW BLADES

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Saw Blades Holesaw – Selection Chart



Item #	Size Range	Page No.	Wood											Metal				
			Soft Wood	Hard Wood	Wood & Nails	Chipboard	Plywood	MDF	Green Wood	Sandwich Construction	Pallet	Window Frame	Steel	Stainless Steel	Aluminium			
	H105 Ultra Cobalt Bi-Metal 14-152mm	150	○	○	○	○	○								○	●	○	●
	H125 Heavy Duty Bi-Metal 14-152mm	151	○	○	○	○	○								○	●	○	●
	H127 TCT Multi-Purpose 16-152mm	152	●	●		●	●	●	●	●	●	○	●					○
	H119 Impact Bi-Metal 19mm	153															○	○
	H115 Diamond Grit 19-105mm	154																
	H116 Diamond Core M14 5-105mm	155																

● Optimal ○ Effective

*Cutting Fluid Required (Item#: M8000250)

Metal				Masonry											Glass, Tile & Plastics					
Copper & Brass	Cast Iron	Sheet Metal	Metal Pipe	Masonry	Plasterboard	Compressed Fibre Cement	Cement Sheet	Ceramic Tile	Hebel	Brick	Stone	Concrete	Granite	Marble	PVC Plastic	Acrylic	Fibreglass	Carbon Fibre	Glass	Laminate
●	●	●	○		○										●					○
●	●	●	○		○										●					○
○				○	●	●	●	●	○	○					●	●	●	○		●
		●													●					
							○	●			○		●	●	●	●	●	●	○	●
								●	○	○	○		●	●			●	●		●

Holesaws Sets



Ultra Cobalt Bi-Metal Holesaw Sets



ULTRA

H105S14

Heavy Duty Cobalt Bi-Metal Holesaw Sets



H125BM1



H125BM3



H125BM5



H125BM6



H125BM7



H125BM9



H125S11

TCT Multi-Purpose Holesaw Sets



H127MP4



H127MP6



H127MP7



H127MP9

Holesaws Ultra Cobalt Bi-Metal Sets



A selection of sets are available to suit a variety of applications and provide the most common and popular sizes.

Application	
DIY	General Contracting
Trade	Woodworking
Automotive	Metalworking
Electrical	Machine Shop
Plumbing	MRO
Carpentry	

Description	Arbor	Pilot	Pieces	Item #	Barcode
Ultra Cobalt Bi-Metal Holesaw Sets					H105
General Engineering #14 Holesaws: 19, 22, 25, 32, 35, 38, 44, 51, 57, 63 & 76mm	QF1 3 x QF4	BD26	11	H105S14	9311963008790

Holesaws Heavy Duty Cobalt Bi-Metal Sets



Application	
DIY	General Contracting
Trade	Woodworking
Automotive	Metalworking
Electrical	Machine Shop
Plumbing	MRO
Carpentry	

Description	Arbor	Pilot	Pieces	Item #	Barcode
Heavy Duty Cobalt Bi-Metal Holesaw Sets					H125
Starter Set Holesaws: 20, 25, 32, 38 & 54mm	QFX 2 x QF4	BD26	5	H125BM1	9311963627267
Maintenance Set Holesaws: 19, 22, 25, 32, 35, 38, 44, 51, 54, 63 & 76mm	QFX 3 x QF4	BD26	11	H125BM3	9311963627298
General Purpose Set Holesaws: 16, 19, 22, 25, 29, 32, 35, 38, 44 & 51mm	QFX 5 x QF4	BD26	10	H125BM5	9311963627281
Carpenter Set Holesaws: 16, 19, 22, 25, 32, 38, 54, 92 & 102mm	QFX 4 x QF4	BD26	9	H125BM6	9311963627304
Plumber Set Holesaws: 44, 57, 63, 92 & 111mm	QFX	BD26	5	H125BM7	9311963627311
Electrician Set Holesaws: 16, 20, 22, 25, 32, 40 & 51mm	QFX 4 x QF4	BD26	7	H125BM9	9311963627328
Lock Installation Kit Holesaws: 22, 25 & 54mm	BA1 & adaptor 1 x door lock guide		3	H125S11	9311963625454

Holesaws TCT Multi-Purpose Sets



Application	
DIY	Carpentry
Trade	General Contracting
Electrical	Woodworking
Plumbing	

Description	Pieces	Item #	Barcode
TCT Multi-Purpose Holesaw Sets			
H127			
Downlight Set Holesaws: 41, 54, 64, 70, 89 & 92mm	6	H127MP4	9311963627335
Carpenter Set Holesaws: 19, 22, 25, 32, 38, 54, 92 & 102mm	8	H127MP6	9311963627342
Plumber Set Holesaws: 19, 20, 22, 35, 44, 51, 64, 92 & 111mm	9	H127MP7	9311963627359
Electrician Set Holesaws: 20, 25, 32, 40, 60 & 92mm	6	H127MP9	9311963627366

Holesaws Bi-Metal – Cobalt ULTRA

sutton

ULTRA

36mm Cutting Depth

Used for machine or hand drilling and are suited to cut steels, stainless steel, cast iron, non-ferrous materials, plastic and wood. Use Sutton Tools lubricating fluid to increase the life of your tool when cutting metal.



Fast ejection slots

Heavy Duty Back Plate
Ensures a smooth cut and precise holes for sockets, threads, cable and pipe lead-throughs

International Thread Standard
Accepts all arbors



Bi-Metal Cobalt HSS
Premium quality teeth for toughness and longer life

Varied Pitched Teeth
Reduces vibration for cleaner finish and greater accuracy

Electron Beam Welded Teeth
For stronger longer lasting teeth

Application

- DIY
- Trade
- Industrial Application
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Diameter mm	Diameter inch	Cutting Depth mm	UNF Thread	Arbor	Pilot	Item #	Box Barcode
							H105
14	9/16	36	1/2	BA1, QFX2	BD24, BD26	H1050140	9311963003184
16	5/8	36	1/2	BA1, QFX2	BD24, BD26	H1050160	9311963000640
17	11/16	36	1/2	BA1, QFX2	BD24, BD26	H1050170	9311963004501
19	3/4	36	1/2	BA1, QFX2	BD24, BD26	H1050190	9311963000619
20	-	36	1/2	BA1, QFX2	BD24, BD26	H1050200	9311963000909
21	13/16	36	1/2	BA1, QFX2	BD24, BD26	H1050210	9311963001821
22	7/8	36	1/2	BA1, QFX2	BD24, BD26	H1050220	9311963000763
24	15/16	36	1/2	BA1, QFX2	BD24, BD26	H1050240	9311963003818
25	1	36	1/2	BA1, QFX2	BD24, BD26	H1050250	9311963000114
27	1-1/16	36	1/2	BA1, QFX2	BD24, BD26	H1050270	9311963002118
29	1-1/8	36	1/2	BA1, QFX2	BD24, BD26	H1050290	9311963001760
30	1-3/16	36	1/2	BA1, QFX2	BD24, BD26	H1050300	9311963000992
32	1-1/4	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050320	9311963000329
33	1-5/16	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050330	9311963002378
35	1-3/8	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050350	9311963001104
37	1-7/16	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050370	9311963005492
38	1-1/2	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050380	9311963000541
40	1-9/16	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050400	9311963001289
41	1-5/8	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050410	9311963001944
43	1-11/16	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050430	9311963006802
44	1-3/4	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050440	9311963000688
46	1-13/16	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050460	9311963007243
48	1-7/8	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050480	9311963002125
51	2	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050510	9311963000169
52	2-1/16	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050520	9311963002491
54	2-1/8	36	5/8	BA2, QFX, QFX2	BD24, BD26	H1050540	9311963000626
57	2-1/4	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050570	9311963001050
59	2-5/16	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050590	9311963003696
60	2-3/8	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050600	9311963001302
63	2-1/2	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050630	9311963000572
65	2-9/16	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050650	9311963003542
67	2-5/8	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050670	9311963003931
70	2-3/4	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050700	9311963002347
73	2-7/8	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050730	9311963004082
76	3	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050760	9311963000633
79	3-1/8	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050790	9311963002880
83	3-1/4	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050830	9311963003702
86	3-3/8	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050860	9311963003146
89	3-1/2	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050890	9311963001012
92	3-5/8	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050920	9311963007014
95	3-3/4	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050950	9311963004426
98	3-7/8	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1050980	9311963009889
102	4	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1051020	9311963002033
105	4-1/8	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1051050	9311963008783
108	4-1/4	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1051080	9311963009506
111	4-3/8	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1051110	9311963007519
114	4-1/2	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1051140	9311963003559
121	4-3/4	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1051210	9311963009513
127	5	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1051270	9311963004860
140	5-1/2	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1051400	9311963009520
152	6	36	5/8	BA3, QFX, QFX2	BD24, BD26	H1051520	9311963008134

Holesaws Bi-Metal – Cobalt



32mm Cutting Depth

Used for machine or hand drilling and are suited to cut steels, stainless steel, cast iron, non-ferrous materials, plastic and wood. Use Sutton Tools lubricating fluid to increase the life of your tool when cutting metal.



Fast ejection slots



International Thread Standard
Accepts all arbors

Made from Bi-Metal Cobalt HSS
For toughness and longer life

Varied Pitched Teeth
Reduces vibration for cleaner finish and greater accuracy

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking
- Metalworking
- Machine Shop
- MRO

Diameter mm	Diameter inch	Cutting Depth mm	UNF Thread	Arbor	Pilot	Item #	Hang Pack Barcode
							H125
14	9/16	32	1/2	UA1, QFX2	BD24, BD26	H1250140	9311963624884
16	5/8	32	1/2	UA1, QFX2	BD24, BD26	H1250160	9311963624891
17	11/16	32	1/2	UA1, QFX2	BD24, BD26	H1250170	9311963624907
19	3/4	32	1/2	UA1, QFX2	BD24, BD26	H1250190	9311963624914
20	-	32	1/2	UA1, QFX2	BD24, BD26	H1250200	9311963624921
21	13/16	32	1/2	UA1, QFX2	BD24, BD26	H1250210	9311963624938
22	7/8	32	1/2	UA1, QFX2	BD24, BD26	H1250220	9311963624945
24	15/16	32	1/2	UA1, QFX2	BD24, BD26	H1250240	9311963624952
25	1	32	1/2	UA1, QFX2	BD24, BD26	H1250250	9311963624969
27	1-1/16	32	1/2	UA1, QFX2	BD24, BD26	H1250270	9311963624976
29	1-1/8	32	1/2	UA1, QFX2	BD24, BD26	H1250290	9311963624983
30	1-3/16	32	1/2	UA1, QFX2	BD24, BD26	H1250300	9311963624990
32	1-1/4	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250320	9311963625003
33	1-5/16	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250330	9311963625010
35	1-3/8	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250350	9311963625027
37	1-7/16	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250370	9311963625034
38	1-1/2	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250380	9311963625041
40	1-9/16	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250400	9311963625058
41	1-5/8	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250410	9311963625065
43	1-11/16	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250430	9311963625072
44	1-3/4	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250440	9311963625089
46	1-13/16	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250460	9311963625096
48	1-7/8	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250480	9311963625102
51	2	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250510	9311963625119
52	2-1/16	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250520	9311963625126
54	2-1/8	32	5/8	UA2, QFX, QFX2	BD24, BD26	H1250540	9311963625133
56	2-3/16	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250560	9311963625140
57	2-1/4	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250570	9311963625157
59	2-5/16	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250590	9311963625164
60	2-3/8	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250600	9311963625171
63	2-1/2	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250630	9311963625188
65	2-9/16	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250650	9311963625195
67	2-5/8	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250670	9311963625201
70	2-3/4	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250700	9311963625218
73	2-7/8	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250730	9311963625225
76	3	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250760	9311963625232
79	3-1/8	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250790	9311963625249
83	3-1/4	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250830	9311963625256
86	3-3/8	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250860	9311963625263
89	3-1/2	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250890	9311963625270
92	3-5/8	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250920	9311963625287
95	3-3/4	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250950	9311963625294
98	3-7/8	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1250980	9311963625300
102	4	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1251020	9311963625317
105	4-1/8	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1251050	9311963625324
108	4-1/4	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1251080	9311963625331
111	4-3/8	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1251110	9311963625348
114	4-1/2	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1251140	9311963625355
121	4-3/4	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1251210	9311963625362
127	5	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1251270	9311963625379
140	5-1/2	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1251400	9311963625386
152	6	32	5/8	UA3, QFX, QFX2	BD24, BD26	H1251520	9311963625393

Holesaws TCT – Multi-Purpose

sutton

54mm Cutting Depth

Suited to cut timber, hardwood, softwood, MDF, plasterboard, compressed fibre cement sheet, cement sheet, plastics, ceramic tiles and abrasive materials.

Tungsten Carbide Tipped
Cuts 5 times faster than conventional Bi-Metal holesaws in timber



Deep cut-outs
For swift and easy core ejection



International Thread Standard
Accepts all arbors

Application

- DIY
- Trade
- Electrical
- Plumbing
- Carpentry
- General Contracting
- Woodworking

Diameter mm	Diameter inch	Cutting Depth mm	UNF Thread	Arbor	Pilot	Item #	Barcode	
							H127	
16	5/8	54	1/2	QC8	BD26	H1270160	9311963626727	
19	3/4	54	1/2	QC8	BD26	H1270190	9311963626734	
20	-	54	1/2	QC8	BD26	H1270200	9311963626741	
22	7/8	54	1/2	QC8	BD26	H1270220	9311963626758	
25	1	54	1/2	QC8	BD26	H1270250	9311963626765	
29	1-1/8	54	1/2	QC8	BD26	H1270290	9311963626772	
30	1-3/16	54	1/2	QC8	BD26	H1270300	9311963626789	
32	1-1/4	54	5/8	QC10	BD26	H1270320	9311963626796	
35	1-3/8	54	5/8	QC10	BD26	H1270350	9311963626802	
38	1-1/2	54	5/8	QC10	BD26	H1270380	9311963626819	
40	1-9/16	54	5/8	QC10	BD26	H1270400	9311963626826	
41	1-5/8	54	5/8	QC10	BD26	H1270410	9311963626833	
44	1-3/4	54	5/8	QC10	BD26	H1270440	9311963626840	
51	2	54	5/8	QC10	BD26	H1270510	9311963626857	
54	2-1/8	54	5/8	QC10	BD26	H1270540	9311963626864	
57	2-1/4	54	5/8	QC10	BD26	H1270570	9311963626871	
60	2-3/8	54	5/8	QC10	BD26	H1270600	9311963626888	
64	2-1/2	54	5/8	QC10	BD26	H1270640	9311963626895	
70	2-3/4	54	5/8	QC10	BD26	H1270700	9311963626901	
76	3	54	5/8	QC10	BD26	H1270760	9311963626918	
86	3-3/8	54	5/8	QC10	BD26	H1270860	9311963626925	
89	3-1/2	54	5/8	QC10	BD26	H1270890	9311963626932	
92	3-5/8	54	5/8	QC10	BD26	H1270920	9311963626949	
102	4	54	5/8	QC10	BD26	H1271020	9311963626956	
111	4-3/8	54	5/8	QC10	BD26	H1271110	9311963626963	
121	4-3/4	54	5/8	QC10	BD26	H1271210	9311963626970	
127	5	54	5/8	QC10	BD26	H1271270	9311963626987	
152	6	54	5/8	QC10	BD26	H1271520	9311963626994	
Quick Change Arbors	Chuck Size	Thread	Shank					H110
QC8 (14-30mm)	10mm	1/2 UNF	8mm Hex					H1100008 9311963510088
QC10 (32-152mm)	13mm	5/8 UNF	10mm Hex					H1100010 9311963510033



Easy core ejection



2-up cutting to enlarge existing holes



Cut extreme angles



H1100008 H1100010

Holesaws Impact Bi-Metal



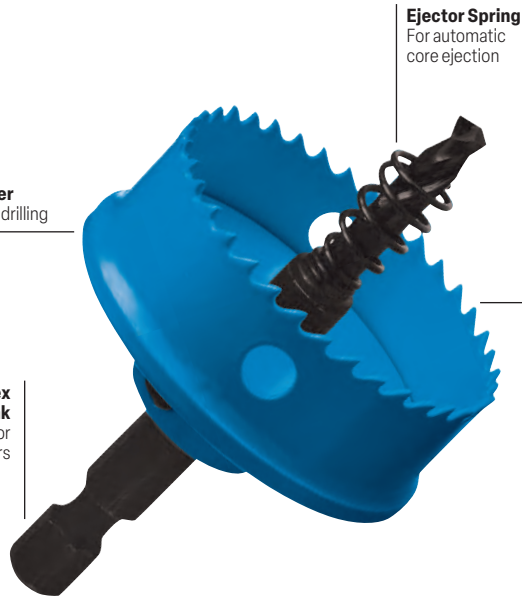
8mm Cutting Depth

Sutton Tools Impact Bi-Metal Holesaw are designed for use in impact drivers. Suited to cut sheet metal up to 3mm maximum thickness. Ideal for electrical installation, junction boxes, ducting and general sheet fabrication.



Stop Shoulder
Prevents over drilling

1/4" Hex Shank
Suitable for impact drivers



Ejector Spring
For automatic core ejection

Thin Wall 8 TPI
For fast and burr free cutting

Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Metalworking
- MRO

Diameter		Cutting Depth mm	Shank	Pieces	Item #	Barcode
mm	inch					
19	3/4	8	1/4	1	H1190190	9311963607481
Set		8	1/4	7	H119S7	9311963607634
19, 22, 25, 29, 32, 35, 38mm						

Holesaws Diamond Grit

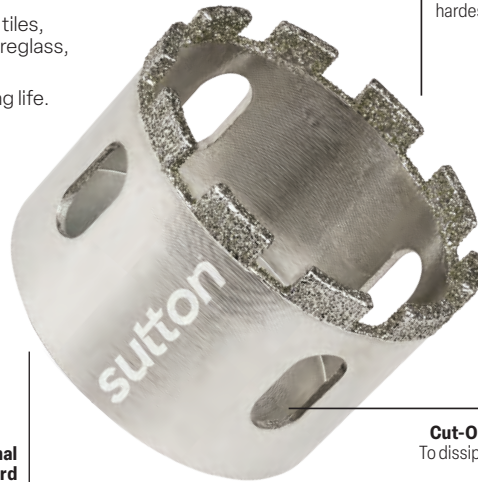


25mm Cutting Depth

Designed for cutting ceramic and porcelain tiles, marble and soft stone, fibre cement and fibreglass, hard plastics and plexiglass.

A constant flood of water will prolong cutting life. Overheating will destroy diamond bond.

Diamond Coating
For long life in the hardest tiles



International Thread Standard
Accepts all arbors

Cut-Out Slots
To dissipate heat



Application

- DIY
- Trade
- Plumbing
- Tiling
- Masonry
- Pools & Spa's
- Boat Building

Diameter mm	Diameter inch	Cutting Depth mm	Thread	Arbor	Pilot	Item #	Barcode
H115							
19	3/4	25	1/2 UNF	DA01	PD01	H1150190	9311963556635
22	7/8	25	1/2 UNF	DA01	PD01	H1150220	9311963556642
25	1	25	1/2 UNF	DA01	PD01	H1150250	9311963556659
29	1-1/8	25	1/2 UNF	DA01	PD01	H1150290	9311963556666
32	1-1/4	25	5/8 UNF	DA02	PD02	H1150320	9311963556673
35	1-3/8	25	5/8 UNF	DA02	PD02	H1150350	9311963556680
38	1-1/2	25	5/8 UNF	DA02	PD02	H1150380	9311963556697
44	1-3/4	25	5/8 UNF	DA02	PD02	H1150440	9311963556703
51	2	25	5/8 UNF	DA02	PD02	H1150510	9311963556710
54	2-1/8	25	5/8 UNF	DA02	PD02	H1150540	9311963556727
64	2-1/2	25	5/8 UNF	DA02	PD02	H1150640	9311963556734
76	3	25	5/8 UNF	DA02	PD02	H1150760	9311963556741
92	3-5/8	25	5/8 UNF	DA02	PD02	H1150920	9311963556758
102	4	25	5/8 UNF	DA02	PD02	H1151020	9311963556765
105	4-1/8	25	5/8 UNF	DA02	PD02	H1151050	9311963556772
Sets	Contents				Pieces		
Holesaws:	19, 25, 32, 38 & 51mm				5	H1150007	9311963556840
Arbors:	DA01 & DA02						
Drill Guides	Holesaw Size						
DG35	19-35mm				H115DG35	9311963556826	
DG70	19-70mm				H115DG70	9311963556819	
Arbors	Holesaw Size	Chuck Size	Thread	Shank			
DA01	19-30mm	10mm	1/2 UNF	11/32	H115DA01	9311963556789	
DA02	32-152mm	13mm	5/8 UNF	7/16	H115DA02	9311963556796	
TCT Pilot Drill - Glass, Tile & Laminate							
PD01	8 x 63mm				DA01	H115PD01	9311963556802
PD02	8 x 69mm				DA02	H115PD02	9311963556839
TCT Pilot Drill - Compressed Fibre Cement							
TCT	6.35mm (1/4) x 105mm					H104	H104CT63 9311963420851



H1150007



Drill Guide



H115DA01

H115DA02

Holesaws Diamond Core Bit M14



35mm Cutting Depth

Designed for cutting ceramic and porcelain tiles, marble and granite, bricks, fibre cement and fibreglass. Featuring a M14 thread, they are designed for use with angle grinders and deliver fast cutting performance. The diamond segmented tooth design and cut-out slots help to reduce the temperature while cutting, and therefore extends the life of the blade which allows it to make more holes before replacement.

Recommended maximum cutting speed: 11,000RPM.



M14 Thread
Fits angle grinders with M14 thread



Diamond Segmented
For long life in the hardest tiles

Cut-Out Slots
To dissipate heat

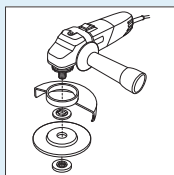
Application

- DIY
- Trade
- Plumbing
- Tiling
- Masonry
- Pools & Spa's
- Boat Building

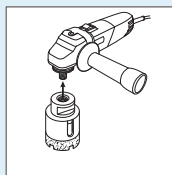
Diameter		Cutting Depth mm	Thread	Item #	Barcode
mm	inch				
5	13/64	35	M14	H1160050	9311963598512
6	15/64	35	M14	H1160060	9311963598529
8	5/16	35	M14	H1160080	9311963598536
10	25/64	35	M14	H1160100	9311963598543
12	15/32	35	M14	H1160120	9311963598550
19	3/4	35	M14	H1160190	9311963598574
25	1	35	M14	H1160250	9311963598598
32	1-1/4	35	M14	H1160320	9311963598611
38	1-1/2	35	M14	H1160380	9311963598635
51	2	35	M14	H1160510	9311963598659

Instructions For Use

Fitting to the angle grinder:

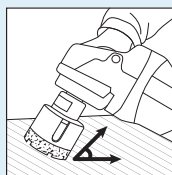


1 Disconnect tool from power source. Consult the manufacturer's operating manual to remove wheel guard

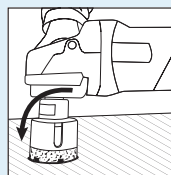


2 Screw the diamond core bit onto the spindle until it bottoms against the shoulder. Ensure core bit is secure before operating

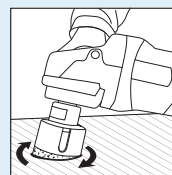
Cutting Instructions:



A Using light pressure, start cutting at 45° angle then gradually straighten the power tool



B Increase pressure when in upright position



C Swing the power tool clockwise while cutting allows for dust evacuation

Helpful Hints

- Do not use with hammer setting as this will damage the bit and tile
- Apply consistent pressure, allowing the tool to do the work
- Cutting speed with water <3000RPM
- Dressing the bit will increase performance

Holesaws DIY Sets



Suited to cut wood, plastic and composite materials up to 25mm thick.



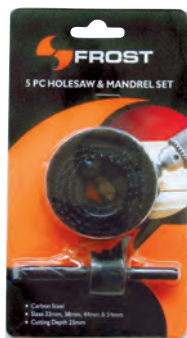
Precision Sharpened Teeth
To produce clean cuts

Thread Pattern
18TPI – fits only
P&N mandrels

Application

- DIY
- Electrical
- Plumbing
- Carpentry
- Woodworking

Description	Pieces	Item #	Barcode
Holesaw & Mandrel Set 32, 38, 44 & 54mm Holesaws & Mandrel	5	92288*	9312621922885
Holesaw Set - CNH05 32, 38, 51 & 54mm Holesaws, plus 6mm Arbor & Pilot Drill	5	390155105*	9311963377728
Holesaw Set - CNH06 32, 38, 44, 51, 57 & 63mm Holesaws, plus 6mm Arbor & Pilot Drill	6	390155106*	9311963377735



92288*



390155105*



390155106*

*Not available once current stock is depleted

Holesaws Bi-Metal HSS & TCT Sets



Bi-Metal HSS Holesaw Sets

TCT Holesaw Set



166044662



166044663



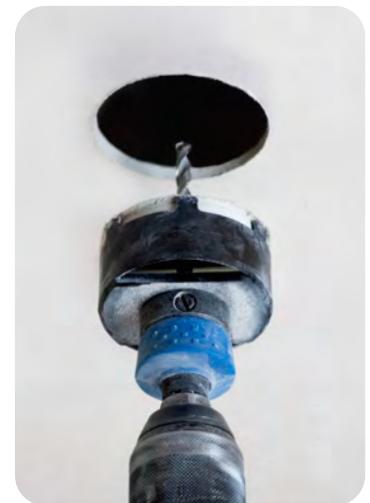
166044664

Description	Pieces	Item #	Barcode
Bi-Metal HSS Holesaw Sets			
Electrician Holesaw Set: 16, 20, 22, 25, 32, 40 & 51mm	7	166044662	9311744446629
Plumber Holesaw Set: 19, 22, 35, 44, 57 & 63mm	6	166044663	9311744446636
TCT Holesaw Set			
Starter Holesaw Set: 22, 29, 35, 44, 51 & 64mm	6	166044664	9311744446643

Holesaws Carbide Grit



Perfect for creating downlight holes and recessed light installations.
Allows for smooth cutting in ceiling tiles and plaster surfaces.
Recommended cutting speed: 300RPM.



Application

DIY
Trade
Electrical

Diameter mm	Item #	Barcode
70	166044673	9311744446834
90	166044674	9311744446841

Holesaws Annular Cutters

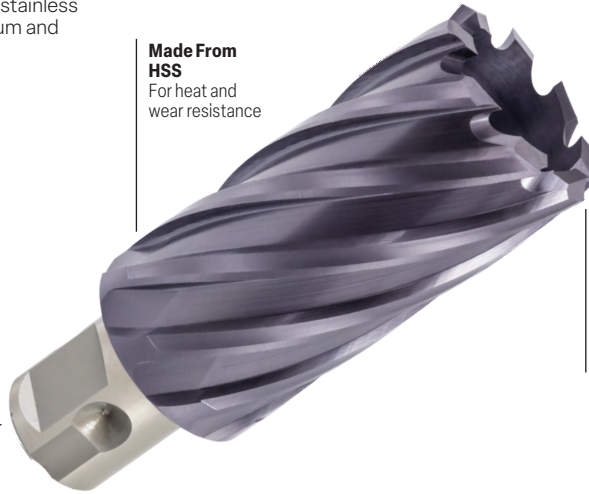


Industrial quality cutting solution for use with magnetic base drilling machines. Suitable for cutting steel, stainless steel and other ferrous metals along with aluminium and other non-ferrous metals.



Universal Shank
Fits all magnetic base drilling machines

Made From HSS
For heat and wear resistance



TiAIN Coated
For increased surface hardness and longer tool life

Diameter mm	Cutting Depth mm	Item #	Barcode
H180			
12	25	H1800120	9311963633602
13	25	H1800130	9311963633619
14	25	H1800140	9311963633626
16	25	H1800160	9311963633633
17	25	H1800170	9311963633640
18	25	H1800180	9311963633657
20	25	H1800200	9311963633664
22	25	H1800220	9311963633671
24	25	H1800240	9311963633688
25	25	H1800250	9311963633695
26	25	H1800260	9311963633701
28	25	H1800280	9311963633718
30	25	H1800300	9311963633725
32	25	H1800320	9311963633732
33	25	H1800330	9311963634852
34	25	H1800340	9311963634869
35	25	H1800350	9311963634876
36	25	H1800360	9311963634883
37	25	H1800370	9311963634890
38	25	H1800380	9311963634906
39	25	H1800390	9311963634913
40	25	H1800400	9311963634920
42	25	H1800420	9311963634937
45	25	H1800450	9311963634944
46	25	H1800460	9311963634951
48	25	H1800480	9311963634968
50	25	H1800500	9311963634975
51	25	H1800510	9311963634982
52	25	H1800520	9311963634999
53	25	H1800530	9311963635002
54	25	H1800540	9311963635019
55	25	H1800550	9311963635026
56	25	H1800560	9311963635033
57	25	H1800570	9311963635040
58	25	H1800580	9311963635057
59	25	H1800590	9311963635064
60	25	H1800600	9311963635071
61	25	H1800610	9311963635088
62	25	H1800620	9311963635095
63	25	H1800630	9311963635101
64	25	H1800640	9311963635118
65	25	H1800650	9311963635125
Pilot Pin			
6.34		H1800063	9311963633749

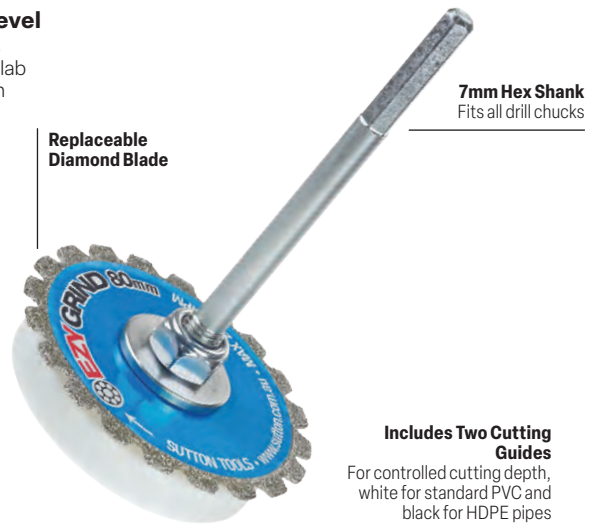
Diameter mm	Cutting Depth mm	Item #	Barcode
H181			
12	50	H1810120	9311963633756
13	50	H1810130	9311963633763
14	50	H1810140	9311963633770
16	50	H1810160	9311963633787
17	50	H1810170	9311963633794
18	50	H1810180	9311963633800
20	50	H1810200	9311963633817
22	50	H1810220	9311963633824
24	50	H1810240	9311963633831
25	50	H1810250	9311963633848
26	50	H1810260	9311963633855
28	50	H1810280	9311963633862
30	50	H1810300	9311963633879
32	50	H1810320	9311963633886
33	50	H1810330	9311963633893
34	50	H1810340	9311963633909
35	50	H1810350	9311963633916
36	50	H1810360	9311963633923
37	50	H1810370	9311963633930
38	50	H1810380	9311963633947
39	50	H1810390	9311963633954
40	50	H1810400	9311963633961
41	50	H1810410	9311963635132
42	50	H1810420	9311963635149
43	50	H1810430	9311963635156
44	50	H1810440	9311963635163
45	50	H1810450	9311963635170
46	50	H1810460	9311963635187
47	50	H1810470	9311963635194
48	50	H1810480	9311963635200
49	50	H1810490	9311963635217
50	50	H1810500	9311963635224
51	50	H1810510	9311963635231
52	50	H1810520	9311963635248
53	50	H1810530	9311963635255
54	50	H1810540	9311963635262
55	50	H1810550	9311963635279
56	50	H1810560	9311963635286
57	50	H1810570	9311963635293
58	50	H1810580	9311963635309
59	50	H1810590	9311963635316
60	50	H1810600	9311963635323
61	50	H1810610	9311963635330
62	50	H1810620	9311963635347
63	50	H1810630	9311963635354
64	50	H1810640	9311963635361
65	50	H1810650	9311963635378
Pilot Pin			
6.34		H1810063	9311963633978

Saw Blades Pipe Cutter – EzyGrind



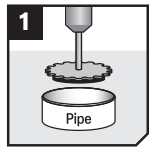
The safest and fastest way to cut pipes at or below floor level

EzyGrind is the safest and fastest way to cut PVC and HDPE pipes (sizes from 40–150mm) at or below floor level. Especially suited to concrete slab construction, and difficult to access areas. EzyGrind will produce a clean professional finish with one cutting action.

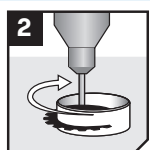


Description	Pipe Size (mm)			Pieces	Item #	Barcode
	DWV	HDPE	HD PVC			
EzyGrind						
36mm EzyGrind Pipe Cutter	40-65	50-75	50-80	1	H6000360	9311963556598
80mm EzyGrind Pipe Cutter	90-150	90-150	100-125	1	H6000800	9311963556604
EzyGrind Replacement Blades						
36mm Diamond Blade				2	H6010360	9311963556611
80mm Diamond Blade				2	H6010800	9311963556628

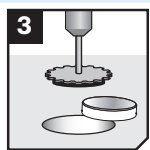
How to use



1. Insert the EzyGrind inside PVC pipe. Begin cutting by pushing firmly against the pipe wall until it cuts through.



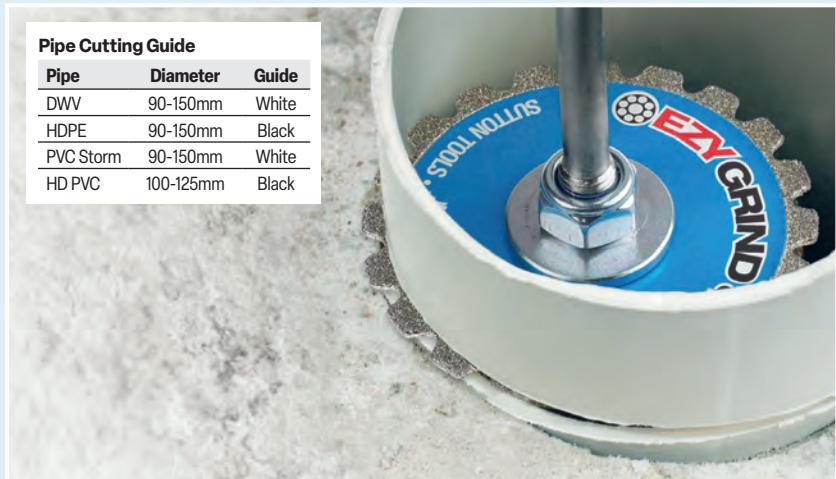
2. Operate in a clockwise direction. Maintain outward pressure.



3. Keep drill parallel to the pipe for a perfect cut.

DO NOT OPERATE IN EXCESS OF 2,500RPM

Note: Ensure the back side of the material being cut is clear of wires, cables, pipes and other objects that might cause hazards.



Pipe Cutting Guide

Pipe	Diameter	Guide
DWV	90-150mm	White
HDPE	90-150mm	Black
PVC Storm	90-150mm	White
HD PVC	100-125mm	Black

Holesaws Arbor Selection Chart



Holesaws with International Thread Standard, accepts all arbors.



Ultra Cobalt Bi-Metal - H105
Page 150

142



Heavy Duty Cobalt Bi-Metal - H125
Page 151



TCT Multi-Purpose - H127
Page 152



Diamond Grit - H115
Page 154

Arbors	Shank	Chuck	Thread	Pilot Drill	Material	Diameter	Length
H107 Page 161							
H107BA1	11/32" Hex	10mm	1/2" UNF	H107BD24	HSS	6.35mm (1/4")	82mm (3-1/4")
H107BA2	11/32" Hex	10mm	5/8" UNF	H107BD25	HSS	6.35mm (1/4")	104mm (4-1/8")
H107BA3	7/16" Hex	13mm	5/8" UNF				
H112 Page 161							
H112UA1	11/32" Hex	10mm	1/2" UNF	H112BD24	HSS	6.35mm (1/4")	82mm (3-1/4")
H112UA2	11/32" Hex	10mm	5/8" UNF	H112BD26	HSS	6.35mm (1/4")	104mm (4-1/8")
H112UA3	7/16" Hex	13mm	5/8" UNF				
H112SS1	1/4" Hex	-	1/2" UNF				
H112SS2	1/4" Hex	-	5/8" UNF				
H103 Page 161							
H103QFX	7/16" Hex	13mm	5/8" UNF	H112BD24	HSS	6.35mm (1/4")	82mm (3-1/4")
H103QFX2	7/16" Hex	13mm	1/2" & 5/8" UNF	H112BD26	HSS	6.35mm (1/4")	104mm (4-1/8")
H110 Page 161							
H110008	8mm Hex	10mm	1/2" UNF	H110008H	HSS	11/32" Hex	180mm (7-1/8")
H1100010	10mm Hex	13mm	5/8" UNF	H110008T	TCT	11/32" Hex	180mm (7-1/8")
H110008A	-	-	1/2" UNF	H110010H	HSS	7/16" Hex	187mm (7-3/8")
H110010A	-	-	5/8" UNF	H110010T	TCT	7/16" Hex	187mm (7-3/8")
H122 Page 162							
H1224311	7/16" Hex	13mm	1/2" or 5/8" UNF	H1226006	HSS	6.35mm (1/4")	105mm
				H1226106	HSS	6.35mm (1/4")	125mm
				H1226206	TCT	7mm	125mm
H115 Page 154							
H115DA01	8mm Hex	10mm	1/2" UNF	H115PD01	TCT	8mm	63mm
H115DA02	10mm Hex	13mm	5/8" UNF	H115PD02	TCT	8mm	69mm
				H104CT63	TCT	6.35mm (1/4")	105mm

Holesaws Arbors & Accessories

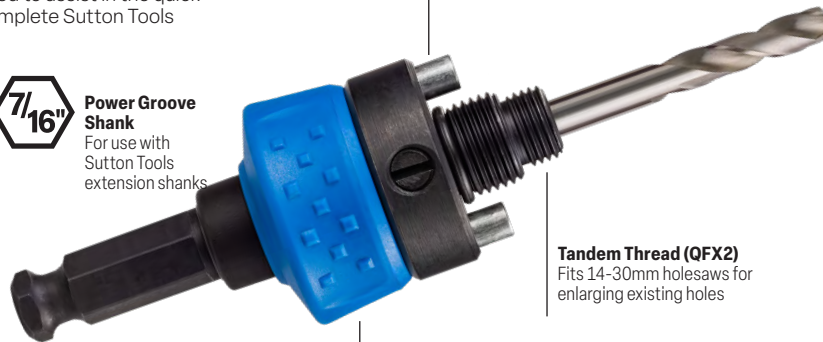


Quickfit Arbors – the strongest arbor in the market for heavy duty cutting. Designed to assist in the quick location and fitment for the complete Sutton Tools range of Holesaw products.



H103QFX2

7/16" Power Groove Shank
For use with Sutton Tools extension shanks



Spring Clutch Drive Pins
For a stronger torque and driving action

Tandem Thread (QFX2)
Fits 14-30mm holesaws for enlarging existing holes

Rubber Grip
Offers improved handling

Application

- DIY
- Trade
- Industrial Application
- Automotive
- Electrical
- Plumbing
- Carpentry
- Plastering
- General Contracting
- Woodworking
- Metalworking
- MRO

Code	Holesaw Size	Shank	Chuck Size	Thread	Pilot	Item #	Blister Barcode	Item #	Box Barcode	
							H103			
QFX	32-152mm	7/16	13mm	5/8 UNF	BD24	H103QFX	9311963622286			
QFX2	14-152mm	7/16	13mm	1/2 UNF 5/8 UNF	BD26	H103QFX2	9311963625553			
BA Arbors							H107			
BA0	14-30mm	1/4 Round	10mm	1/2 UNF	BD25			H107BA0	9311963000657	
BA1	14-30mm	11/32	10mm	1/2 UNF	BD24			H107BA1	9311963000442	
BA2	32-54mm	11/32	10mm	5/8 UNF	BD24			H107BA2	9311963000459	
BA3	32-152mm	7/16	13mm	5/8 UNF	BD24			H107BA3	9311963000015	
TA3	32-152mm	11/32	10mm	5/8 UNF	BD24	H112TA3	9311963123943			
AS1 Arbor Set	14-54mm	BA1, Adaptor BAA		1/2 + 5/8	BD24	H112AS1	9311963000107			
Impact Arbors										
SS1	14-30mm	1/4	-	1/2 UNF	BD24	H112SS1	9311963612751			
SS2	32-60mm	1/4	-	5/8 UNF	BD24	H112SS2	9311963612768			
Universal Arbors										
UA1	14-30mm		11/32	1/2 UNF	BD24	H112UA1	9311963556260			
UA2	32-54mm		11/32	5/8 UNF	BD24	H112UA2	9311963556277			
UA3	32-152mm		7/16	5/8 UNF	BD24	H112UA3	9311963556284			
Adaptor	32-54mm		-	5/8 UNF		H112BAA	9311963002583			
Allows arbors PBA0, PBA1 to be used with holesaws 32-54mm (light duty)										
QF4 Adaptor	14-30mm		-	1/2 UNF	BD26	H112QF4	9311963438924			
Pilot Drills										
BD24	6.35mm (1/4) x 82mm					H112BD24	9311963000527	H107BD24	9311963062822	
BD25	6.35mm (1/4) x 105mm							H107BD25	9311963000749	
BD26	6.35mm (1/4) x 105mm					H112BD26	9311963377698			
Quick Change Arbors							H110			
QC8 (14-30mm)		8mm	10mm	1/2 UNF	QC8-H QC8-T	H1100008	9311963510088			
QC10 (32-152mm)		10mm	13mm	5/8 UNF	QC10-H QC10-T	H1100010	9311963510033			
Quick Change Adaptors										
QC8A (14-30mm)		8mm	10mm	1/2 UNF	QC8-H QC8-T	H110008A	9311963510095			
QC10A (32-152mm)		10mm	13mm	5/8 UNF	QC10-H QC10-T	H110010A	9311963510040			
Quick Change Pilot Drills										
QC8-H (HSS)		8mm	10mm			H110008H	9311963510101			
QC8-T (TCT)		8mm	10mm			H110008T	9311963510118			
QC10-H (HSS)		10mm	13mm			H110010H	9311963510064			
QC10-T (TCT)		10mm	13mm			H110010T	9311963510071			

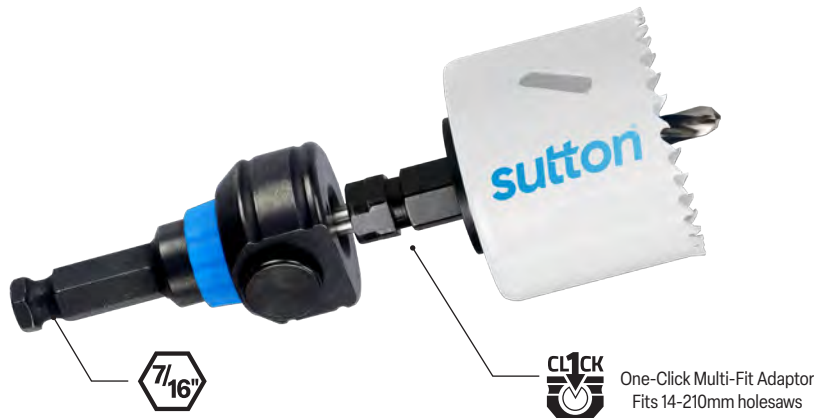
Holesaws Quick Release Arbor



Sutton Tools Quick Release Arbor system takes the hassles out of changing holesaws. Our unique One-Click Multi-Fit arbor adapter system fits all types of holesaws from 14–210mm. Now swapping out holesaws takes just seconds saving you time, money and frustration.



H1220111



Application

- DIY
- Trade
- Automotive
- Electrical
- Plumbing
- Metalworking
- MRO

Description	Pieces	Item #	Barcode
Quick Release Arbor			H122
Quick Release Arbor Hex 11mm	1	H1224311	9311963612959
Quick Release Pilot Drills			
Quick Release Pilot Drill Short HSS Splitpoint	1	H1226006	9311963612997
Quick Release Pilot Drill Long HSS Splitpoint	1	H1226106	9311963612980
Quick Release Pilot Drill TCT	1	H1226206	9311963612973
Quick Release Adaptor			
Quick Release Adapter 1/2" 20 UNF (Ø14 – Ø30 mm)	3	H1228013	9311963613000
Quick Release Adapter 5/8" 18 UNF (Ø32 – Ø150 mm)	3	H1228016	9311963613017
Quick Release Adapter High Torque 5/8" (Ø40 – Ø210 mm)	3	H1228116	9311963613024
Adapter Hole Extension set			
1/2" 20 UNF, 5/8" 18 UNF, 1/2" + 5/8" stackable adapter	3	H1228299	9311963613031
Quick Release Arbor Starter Kit			
1 × Quick Change Arbor (7/16" Hex shank (11mm)) with HSS pilot drill			
2 × One-Click adapters for 14–30mm holesaws (1/2"–20UNF thread)			
3 × One-Click adapters for 32–210mm holesaws (5/8" –18UN thread)			
	6	H1220111	9311963612812

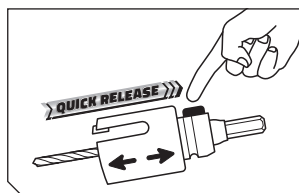


Quick Release Arbor - with HSS Pilot Drill

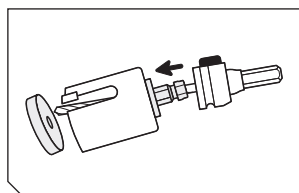
Quick Release Adapter - Fits 14–30mm holesaws

Quick Release Adapter - Fits 32–150mm holesaws

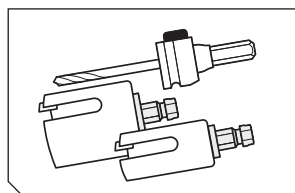
Features



1 Swiftly replace your holesaw with one click



2 Quick plug ejection with one click



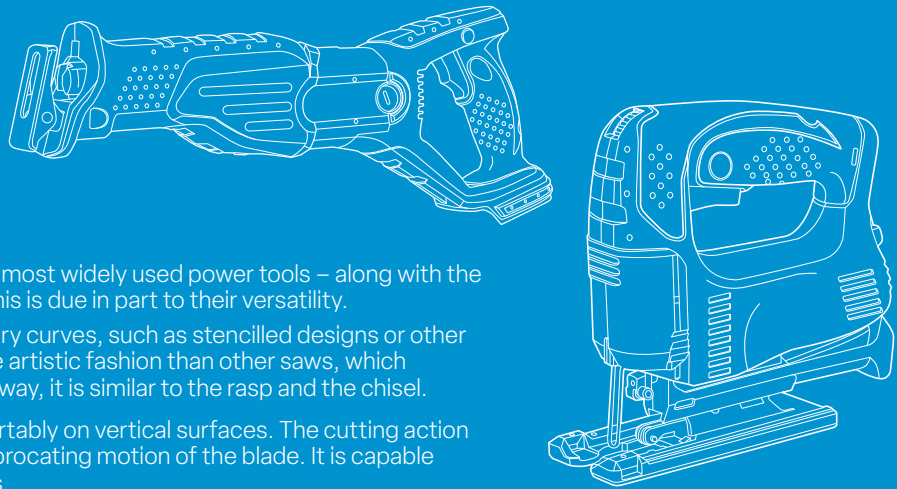
3 One arbor system to fit the complete range of holesaw (14–210mm)



Quick Release Adapter - Fits 40–210mm holesaws H1228116

Saw Blades Helpful Hints

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Jigsaws and reciprocating saws are the most widely used power tools – along with the power drill and cordless screwdriver – this is due in part to their versatility.

A jigsaw is a tool used for cutting arbitrary curves, such as stencilled designs or other custom shapes. It can be used in a more artistic fashion than other saws, which typically cut in straight lines only. In this way, it is similar to the rasp and the chisel.

A reciprocating saw can be used comfortably on vertical surfaces. The cutting action is achieved through a push and pull reciprocating motion of the blade. It is capable of straight line cuts and tight-curve cuts.

How to use:

i. **Select a power tool suitable for your project.**

Hint: Make sure you are comfortable with your machine before you start cutting. Read the user's manual carefully and know all control features of your tool.

ii. **Select the correct blade for the material you are going to cut and attach it to the saw.**

iii. **Measure and mark the cut line you need for your project.**

For shapes like sink cut-outs in countertops you can use a template which is usually supplied with the sink or use the actual sink to scribe a cut line is your best option. For other shapes or special projects, creating a template for your cut out of paper or cardboard may make the process easier and more accurate. Draw the cutting design on your work piece. The mark has to be thick enough to be visible when sawdust accumulates.

iv. **Clamp your workpiece firmly.**

Hold smaller pieces such as pipe or conduit in a vice or attach it to the workbench with clamps.

v. **Position the blade close to the edge of the material where you will begin your cut.**

Start the cut on an edge of the work piece and not on a corner as you run the risk of chipping the corner.

Hint: Drill pilot hole for interior cuts. Make a ½" hole to allow the saw to commence cutting. Some saws have plunge cutting capability. In this instance, pilot hole is not required.

vi. **Commence cutting the material.**

Begin your cut by slowly squeezing the trigger of the saw, and when it is running at the desired speed, push it forward into the material you are cutting. Use a steady cutting speed and make slow movements to cut along the mark. To eliminate vibration, always cut close to the clamping point.

Hint: The adjustable shoe of a reciprocating saw is on a pivot, which allows it to turn when you work on bevelled or slanted wood so that the cut will go completely through without splintering the wood.

vii. **Stop occasionally and clear the sawdust.**

For example, with a brush or attach a dust extraction system if suitable to the tool.

Cutting Tips:

- Let the blade do the work. Never apply excessive forward pressure to the tool.
- Let the blade cool down naturally. Never use water or other liquids to cool the blade rapidly since it might break.
- Operate the saw with two hands. Let the blade run freely for a few seconds before commencing to cut.
- When cutting thin sheets of metal, place a piece of plywood on either side to control vibration and prevent tearing.
- Always wear safety equipment.

Operating Conditions:

It is important to work with the right speed and feeds to preserve the life of your saw blades and increase efficiency. Although the best speed for specific application is largely determined by experience, as a general rule, slower speeds should be used when cutting hard materials like metals. Faster speeds should be used when cutting soft materials like wood.

Always make sure that the blade is sharp to ensure less load on the tool and better cutting results.

In order to increase the life of a saw blade, a cooling liquid is recommended during cutting:

- Sutton Tools Venom Cutting Fluid (steel, metal)
- Petroleum (aluminium)
- Water (plastics, glass-fibre)

Safety Considerations:

- Use hearing and eye protection before commencing cutting.
- Jigsaws and reciprocating saws use big motors that take awhile to spin down after you let go of the trigger. Carefully hold onto the tool when you're finished with the cut till it stops completely.
- When restarting in the middle of a cut, back the saw off just a hair so the teeth aren't touching the material before you pull the trigger. The blade will bite in more predictably this way.
- Be careful to avoid kickback, which arises when the material you're cutting through tries to make the blade hold still, which then causes the body of the saw to reciprocate instead of the blade. If you experience more than mild kickback, immediately let go of the trigger and continue to hold the power tool firmly until the saw motor winds down.

Saw Blades Hacksaw Blades

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Bi-Metal HSS (Orange)

Shatterproof blade with superior cutting power and flexibility.

Bi-Metal Cobalt (Purple)

Designed for tough materials such as stainless steel.

All Hard HSS (Blue)

Suitable for highly accurate cutting & high wear resistance.

18 TPI: For 6 – 25mm materials.
eg pipe, angle iron and steel bar

24 TPI: For 3 – 6mm materials.
eg conduit, heavy sheet metal and tubing

32 TPI: For ≤3mm materials.
eg thin sheet metal and metal trim



TPI	Pieces	Carded - Quantity 2 Item #	Barcode	Pieces	Bulk - Quantity 10 Item #	Barcode
-----	--------	-------------------------------	---------	--------	------------------------------	---------



Bi Metal		H340	
3 Pce Combo Pack (18T, 24T, 32T)	3	H3400003	9311963576473
18T	2	H3400018	9311963576589
24T	2	H3400024	9311963576596
32T	2	H3400032	9311963576602



Bi Metal Cobalt		H345	
3 Pce Combo Pack (18T, 24T, 32T)	3	H3450003	9311963576619
18T	2	H3450018	9311963576510
24T	2	H3450024	9311963576527
32T	2	H3450032	9311963576534



Bi Metal Cobalt		H355		H356		
18T				10	H3560018	9311963576695
24T				10	H3560024	9311963576701
3 Pce Combo Pack (18T, 24T, 32T)	3	H3550003	9311963576688			
18T	2	H3550018	9311963576657			
24T	2	H3550024	9311963576664			
32T	2	H3550032	9311963576671			

Saw Blades Hacksaw Frame

sutton

This sturdy anodised aluminium hacksaw is ideal for cutting off materials and is built for builder, tradesman and DIY use.

- Non-slip ergonomic soft grip handle
- Durable one piece body for ultra-high tension
- Adjustable tension mechanism
- 90° and 45° blade angles
- Includes HSS BI-METAL Saw Blade 24T 300mm



Description	Pieces	Item #	Barcode
Hacksaw Frame 300mm	1	H3150300	9311963632933

Saw Blades Hacksaw Blades, Evacut



Flexible HSS (Red)

General purpose blade with flexibility and safety.

All Hard HSS (Blue)

For highly accurate cutting and high wear resistance.

Bi-Metal HSS (Orange)

Shatterproof blade with superior cutting power and flexibility.

18 TPI: For 6-25mm materials.

eg. pipe, angle, iron and steel bard.

24 TPI: For 3-6mm materials.

eg. conduit, heavy sheet metal and tubing.

32 TPI: For < 3mm materials.

eg. thin sheet metal and metal trim.



Flexible HSS (Red)



All Hard HSS (Blue)



Bi-Metal HSS (Orange)

Size Inch mm TPI	Carded - Quantity 2				Bulk - Quantity 10			
	Pieces	Order Qty	Item #	Barcode	Pieces	Order Qty	Item #	Barcode
Flexible HSS (Red)								
12 x 1/2" 300 x 13 18	2	1	255572	9414886555720				
12 x 1/2" 300 x 13 24	2	1	255580	9414886555805				
12 x 1/2" 300 x 13 32	2	1	255599	9414886555997				
All Hard HSS (Blue)								
12 x 1/2" 300 x 13 18	2	1	255696	9414886556963	1	10	255491	9414886554914
12 x 1/2" 300 x 13 24	2	1	255718	9414886557182	1	10	255505	9414886555058
12 x 1/2" 300 x 13 32	2	1	255726	9414886557267	1	10	255513	9414886555133
Bi-Metal HSS (Orange)								
12 x 1/2" 300 x 13 18	2	1	255998	9414886559988	1	10	255858	9414886558585
12 x 1/2" 300 x 13 24	2	1	256005	9414886560052	1	10	255866	9414886558660
12 x 1/2" 300 x 13 32	2	1	256013	9414886560137	1	10	255874	9414886558745

Saw Blades Powersaw Blades, Evacut



Size Inch mm TPI	Bulk - Quantity 10				Bulk - Quantity 10			
	Pieces	Order Qty	Item #	Barcode	Pieces	Order Qty	Item #	Barcode
All Hard HSS (Blue)								
12 x 1" 300 x 25 10	1	10	256080	9414886560809	Bi-Metal HSS (Orange)			
12 x 1" 300 x 25 14	1	10	256099	9414886560991	1	10	256803	9414886568034
14 x 1" 350 x 25 10	1	10	256188	9414886561882	1	10	256811	9414886568119
14 x 1" 350 x 25 14	1	10	256196	9414886561967	1	10	256870	9414886568706
14 x 1.25" 350 x 32 6	1	10	256226	9414886562261	1	10	256889	9414886568898
14 x 1.25" 350 x 32 10	1	10	256234	9414886562346	1	10	256919	9414886569192
14 x 1.25" 350 x 32 14	1	10	256239	9414886562391	1	10	256927	9414886569277
16 x 1.25" 400 x 32 6	1	10	256307	9414886563077	1	10	256935	9414886569352
16 x 1.25" 400 x 32 10	1	10	256315	9414886563152	1	10	257001	9414886570013
16 x 1.25" 400 x 32 14	1	10	256293	9414886562933	1	10	257028	9414886570280
18 x 1.25" 450 x 32 6	1	10	256420	9414886564203	1	10	257036	9414886570365
18 x 1.25" 450 x 32 10	1	10	256439	9414886564395	1	10	257095	9414886570952
18 x 1.50" 450 x 33 6	1	10	256498	9414886564982	1	10	257109	9414886571096
18 x 1.50" 450 x 33 10	1	10	256501	9414886565019				

Saw Blades Jigsaw – Selection Chart

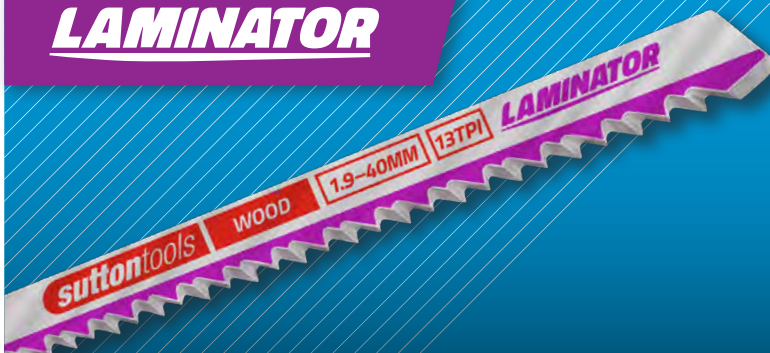


T – Shank	Page Number	U – Shank	Page No.	Wooden Materials									Metals						
				Soft Wood	Hard Wood	Wood & Nails	Chipboard	Plywood	MDF	Green Wood	Sandwich Construction	Window Frame	Steel	Hard Steel	Stainless Steel	Aluminium	Copper & Brass	Cast Iron	Sheet Metal
		H459	174	●			●	●	○										
H431	170			●	●		●	●	○										
H432	170			●	●		●	●	○										
H435	171	H462	174	●	●		●	●	○										
H437	171	H463	174	●	●		●	●	○										
H447	172											●		○		●		●	
H448	172											●		○		●		●	
		H466	175									●		●		●		●	
H451	172	H467	175									●		○	●	○			
H455	173			●			●	●	○										
		H468	175												●	○			

● Optimal ○ Effective

Special application premium grade blades are highlighted in purple for the most demanding jobs. The blade that professionals prefer to use.

LAMINATOR



SPLINTER – FREE



Splinter Free
Reverse teeth for very clean and splinter-free surface cut



Made from Cobalt Bi-metal
Lasting up to 10X longer than carbon steel blades

DOMINATOR



PRECISE CUTS

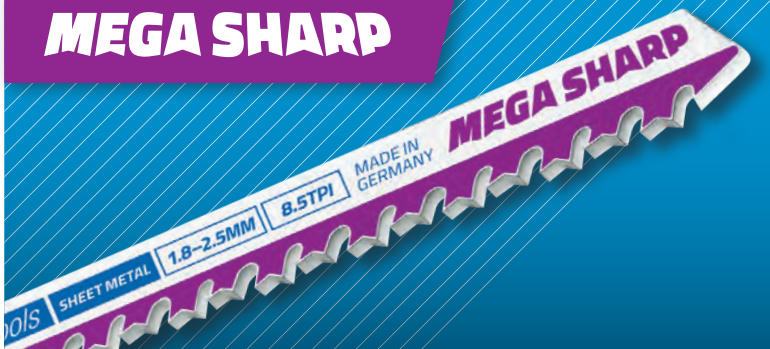


Thick Rigid Body



Break resistant body for maximum durability

MEGA SHARP



MEGA FAST CLEAN CUTS



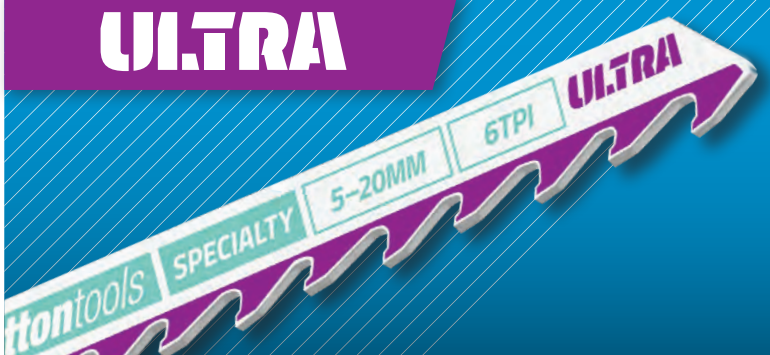
2X FASTER



3X LIFE

Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life

ULTRA



ULTRA HARD... ULTIMATE STRENGTH

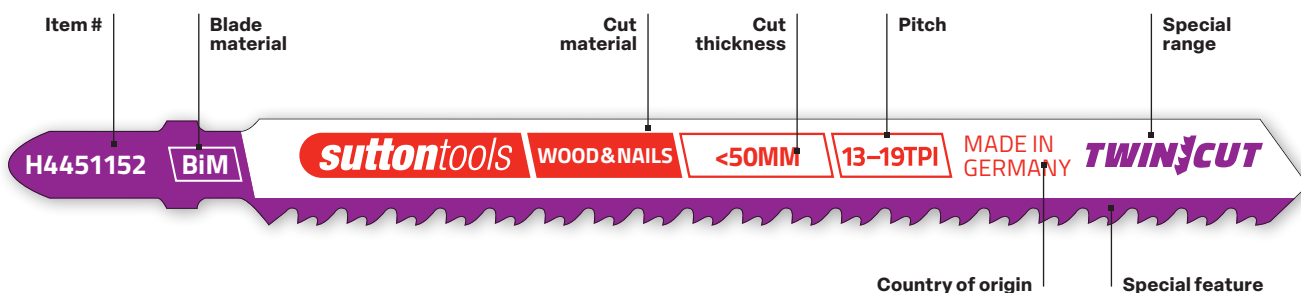


Carbide Tip
Tungsten carbide teeth for high wear resistance when cutting abrasive materials



Break resistant body for maximum durability

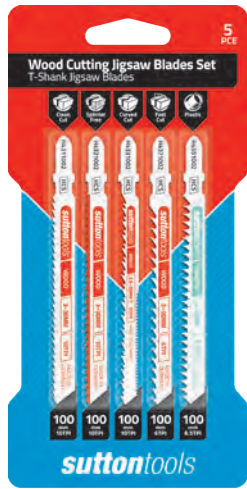
How to read blade information



Saw Blades Jigsaw Sets



T-Shank



Description	Pieces	Item #	Barcode
Wood Cutting Jigsaw Blades Set	5	H4910005	9311963611037

Contents	O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Cut Thickness	Cut Type						Item #
						Clean	Fast	Straight	Rough	Plunge	Curved	
H431 Wood	100	75	10 TPI	1.45	3.0 - 30mm	•				•		H431 1002
H432 Wood	100	75	10 TPI	1.45	3.0 - 30mm	•						H432 1002
H433 Wood	100	75	10 TPI	1.45	2.5 - 35mm	•					•	H433 1002
H437 Wood	100	75	6 TPI	1.27	5.0 - 50mm		•		•			H437 1002
H455 Plastic	100	75	8.5 TPI	1.27	4.0 - 50mm		•		•			H455 1002

Ideal for:



U-Shank



Description	Pieces	Item #	Barcode
Multi-Purpose Jigsaw Blades Set	5	H4960005	9311963611051

Contents	O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Cut Thickness	Cut Type						Item #
						Clean	Fast	Straight	Rough	Plunge	Curved	
H460 Wood	100	75	10 TPI	1.27	3.0 - 30mm	•						H460 1002
H463 Wood	100	75	6 TPI	1.27	5.0 - 50mm		•		•			H463 1002
H464 Plastic	100	75	8.5 TPI	1.27	4.0 - 50mm		•		•			H464 1002
H465 Sheet Metal	75	55	21 TPI	1.00	1.2 - 2.0mm	•						H465 0752
H467 Metal	75	55	13 TPI	1.00	2.5 - 6.0mm	•						H467 0752

Ideal for:





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PROSERIES



H431 Wood Jigsaw Blade, Clean Cut

Clean cutting jigsaw blade for wood. Suitable for cutting soft wood, hard wood, plywood, chipboard, MDF and PVC plastic (3.0-30mm).

- Conically ground blade, teeth diagonally sharpened for very clean and precise cuts
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Clean Cut		CUT TYPE				Soft Wood Hard Wood Plywood PVC Plastic			
		Thickness	Clean	Fast	Straight				
		3.0 - 30mm	☐						
			Rough	Plunge	Curved				
			☐						
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
100	75	10 TPI	1.45	7.8	HCS	2 Pack	H4311002	9311963610740	

PROSERIES



H432 Wood Jigsaw Blade, Splinter Free

Special jigsaw blades with reverse teeth and conically ground for SPLINTER-FREE surface cuts in wood. Suitable for cutting soft wood, hard wood, plywood, chipboard, MDF, laminate and plastics.

- Reverse teeth for very clean and splinter-free surface cut
- Conically ground blade, teeth diagonally sharpened for very clean and precise cuts
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Reverse Teeth Splinter Free		CUT TYPE				Soft Wood Hard Wood Laminate PVC Plastic Plywood			
		Thickness	Clean	Fast	Straight				
		H4321002 3.0-30mm H4321302 3.0-65mm	☐						
			Rough	Plunge	Curved				
			☐						
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
100	75	10 TPI	1.45	7.8	HCS	2 Pack	H4321002	9311963610863	



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PROSERIES



H435 Wood Jigsaw Blade, Clean Cut

Clean cutting jigsaw blade for wood. Suitable for cutting soft wood, hard wood, plywood, chipboard, MDF and PVC plastic (10-45mm).

- Conically ground blade, teeth diagonally sharpened for very clean and precise cuts
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Clean Cut		CUT TYPE							
		Thickness	Clean	Fast	Straight				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
									10 - 45mm
100	75	6 TPI	1.45	7.8	HCS	2 Pack	H4351002	9311963610764	

PROSERIES



H437 Wood Jigsaw Blade, General Purpose

General purpose jigsaw blade for fast cuts in wood. Suitable for cutting timber, soft wood and hard wood.

- Teeth side set and diagonally sharpened for fast, rough cuts
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Fast Cut		CUT TYPE							
		Thickness	Clean	Fast	Straight				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
									H437 1002 5 - 50mm H437 1302 5 - 80mm
100	75	6 TPI	1.27	7.8	HCS	2 Pack	H4371002	9311963610818	
130	105	6 TPI	1.27	7.8	HCS	2 Pack	H4371302	9311963610795	

**sutton****PROSERIES****H447 Sheet Metal Jigsaw Blade, General Purpose**

Finely toothed jigsaw blade for clean cuts in thin sheet metal. Suitable for cutting steel, stainless steel and copper (0.5-1.5mm).

- Teeth milled and wavy set for fine, clean cuts
- Made from hardened High Speed Steel for cutting metals

O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
									CUT TYPE		
									Thickness	Clean	Fast
75	55	36 TPI	1.0	7.8	HSS	2 Pack	H4470752	9311963610665			

PROSERIES**H448 Sheet Metal Jigsaw Blade, General Purpose**

General purpose jigsaw blade for clean cuts in sheet metal. Suitable for cutting steel, copper and brass (1.2-2.0mm).

- Teeth milled and wavy set for fine, clean cuts
- Made from hardened High Speed Steel for cutting metals

O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
									CUT TYPE		
									Thickness	Clean	Fast
75	55	21 TPI	1.0	7.8	HSS	2 Pack	H4480752	9311963610672			

PROSERIES**H451 Metal Jigsaw Blade, General Purpose**

General purpose jigsaw blade for cutting metal. Suitable for cutting steel, non-ferrous metal and aluminium (2.5-6.0mm).

- Teeth milled and wavy set for fine, clean cuts
- Made from hardened High Speed Steel for cutting hard materials like metal, aluminium and non-ferrous metal

O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
									CUT TYPE		
									Thickness	Clean	Fast
75	55	13 TPI	1.0	7.8	HSS	2 Pack	H4510752	9311963610689			



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PROSERIES


H455 Specialty Jigsaw Blade, Plastics

Special jigsaw blade for fast cuts in plastics. Suitable for PVC plastic, soft wood, plywood, MDF and chipboard (4.0-50mm).

- Teeth side set and diagonally sharpened for fast, rough cuts
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Fast Cut			CUT TYPE							
			Thickness	Clean	Fast	Straight				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
									4.0 - 50mm	Rough
100	75	8.5 TPI	1.27	9.8	HCS	2 Pack	H4551002	9311963610757		



PROSERIES



H459 Wood Jigsaw Blade, Curved Clean Cut

Special jigsaw blades with 4.5mm tall body and thin kerf for controlled, curved clean cuts in wood. Suitable for cutting soft wood, plywood, chipboard, MDF and laminate (1.5-15mm).

- 4.5mm tall body and thin kerf increases agility for controlled, curved cuts
- Conically ground blade, teeth diagonally sharpened and tapered for very clean and precise cuts
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Curved Cut		Clean Cut		CUT TYPE				Materials	
				Thickness	Clean	Fast	Straight		
				1.5 – 15mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Rough	Plunge	Curved		
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
75	50	19 TPI	1.25	4.5	HCS	2 Pack	H4590752	9311963611167	

PROSERIES



H462 Wood Jigsaw Blade, Clean Cut

Clean cutting jigsaw blade for wood. Suitable for cutting soft wood, hard wood, plywood, chipboard, MDF and PVC plastic (10-45mm).

- Conically ground blade, teeth diagonally sharpened for very clean and precise cuts
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Clean Cut		Fast Cut		CUT TYPE				Materials	
				Thickness	Clean	Fast	Straight		
				10 – 45mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Rough	Plunge	Curved		
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
100	75	6 TPI	1.45	7.8	HCS	2 Pack	H4621002	9311963611006	

PROSERIES



H463 Wood Jigsaw Blade, General Purpose

General purpose jigsaw blade for fast cuts in wood. Suitable for cutting timber, soft wood and hard wood (5.0-50mm).

- Teeth side set and diagonally sharpened for fast, rough cuts
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Fast Cut		CUT TYPE				Materials			
		Thickness	Clean	Fast	Straight				
		5 – 50mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
			Rough	Plunge	Curved				
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
100	75	6 TPI	1.27	7.8	HCS	2 Pack	H4631002	9311963610993	



PROSERIES



H466 Sheet Metal Jigsaw Blade, Long Life

Flexible, long life, general purpose jigsaw blade for clean cuts in sheet metal. Suitable for cutting steel, stainless steel and copper (1.2–2.0mm).

- Teeth milled and wavy set for fine, clean cuts
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

COBALT Bi-METAL			CUT TYPE					
O/A Length	Cut Length	Tooth Pitch	Thickness	Clean	Fast	Straight	Item #	Barcode
			1.2 – 2.0mm	Rough	Plunge	Curved		
75	55	21 TPI	1.0	7.8	Cobalt Bi-Metal	2 Pack	H4660752	9311963610962

PROSERIES



H467 Metal Jigsaw Blade, General Purpose

General purpose jigsaw blade for cutting metal. Suitable for cutting steel, non-ferrous metal and aluminium (2.5–6.0mm).

- Teeth milled and wavy set for fine, clean cuts
- Made from hardened High Speed Steel for cutting hard materials like metal, aluminium and non-ferrous metal

			CUT TYPE					
O/A Length	Cut Length	Tooth Pitch	Thickness	Clean	Fast	Straight	Item #	Barcode
			2.5 – 6.0mm	Rough	Plunge	Curved		
75	55	13 TPI	1.0	7.8	HSS	2 Pack	H4670752	9311963610948

PROSERIES



H468 Metal Jigsaw Blade, Aluminium

Special flexible jigsaw blade for cutting non-ferrous metals. Suitable for cutting non-ferrous metal, aluminium, steel and plastics (<30mm).

- Teeth milled and side set for aluminium cutting
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

COBALT Bi-METAL			CUT TYPE					
O/A Length	Cut Length	Tooth Pitch	Thickness	Clean	Fast	Straight	Item #	Barcode
			<30mm	Rough	Plunge	Curved		
100	75	8.5 TPI	1.0	7.8	Cobalt Bi-Metal	2 Pack	H4681002	9311963610955

Saw Blades Reciprocating – Selection Chart



Catalogue Code	Page No.	Wood						Metal							Masonry				
		Hard Wood & Soft Wood	Wood & Nails	MDF	Green Wood	Pallet	Window Frame	Steel	Stainless Steel	Aluminium	Copper & Brass	Cast Iron	Sheet Metal	Metal Pipes	Plasterboard	Cement Sheet	Ceramics & Tiles	Hebel	Brick
H505	184		●			○	○	●	○	●	●		○	●					
H506	185	●																	
H507	185	●	○			○	○	○											
H508	182		●					●	○	○	●		○	○					
H509	183		●					○			○		○	○					
H510	184	○	●			●	●	●			●								
H511	184	○	●			●	●	●			●		●						
H512	180							●	○				●						
H513	180							●	○				●	○					
H514	181							●	○				●						
H515	181							●	○				●						
H516	180	○	●			●	●	●			●		●						
H517	181							●	○	●	●		○						
H518	182							●	○	●	●		○						
H519	183							●	○	●	●		○						
H520	186	●																	
H521	186	●																	
H522	187	●												●					
H523	187	●																	
H524	187	●																	
H525	186	●			●														
H526	188	●	●			●	●	○											
H527	188	○	○			○	○	○											
H528	188	●	●			●	●	○											
H529	189	○			●														
H530	189	●												●				○	
H531	189							●	●				●						
H532	190	●		●											●			●	
H533	191											●		●	○	○	●	○	
H534	190																		
H535	182		●					●		●	●			●					
H539	185							●	●	●	●	●	○	●					
H540	191													○	●	○	●	○	●

● Optimal ○ Effective

sutton

Special application premium grade blades are highlighted in purple for the most demanding jobs. The blade that professionals prefer to use.

DOMINATOR



FAST STRAIGHT CUTS



Twin-Cut
Twin-Cut geometry reduces tooth breakage



Straight Cut
25mm tall body for straighter, more accurate cuts



Thin kerf
Designed for flexibility and speed

HYPER CUT



DEMOLITION MADE EASY



Demolition
Special thick and robust blade designed for demolition work.



Break resistant
body for maximum durability



Plunge Cut
Taper back design for plunge cutting in hard-to-reach applications

MEGA SHARP



MEGA FAST CLEAN CUTS



Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life



Increased Tang Angle
For optimal speed and cutting performance

POWER CURVE



THE NEXT GENERATION



Curved blade design allows higher tooth engagement resulting in more efficient cuts



Battery Saving Technology
Power Curve allows high power transfer and longer battery life



Thin kerf
Designed for flexibility and speed

ULTRA



ULTRA HARD... ULTIMATE STRENGTH



Carbide Tip
Tungsten carbide teeth for high wear resistance when cutting abrasive materials



Break resistant
body for maximum durability

Saw Blades Reciprocating Sets



Specially selected blade sets for wood or metal applications:



Metal Set: cuts steel, aluminium, copper, brass sheets or pipes and also in wood and nails.

Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades.



Sheet Metal



Steel



Aluminium



Copper & Brass



Metal Pipe



Wood & Nails



Wood Set: cuts soft wood, hard wood, pallets, window frames and wood and nails.

Cobalt Bi-Metal HSS blades for flexibility, heat and break-resistance for long lasting application.

High carbon steel (HCS) blades are flexible and suitable for cutting soft materials.



Pallet



Hard Wood



Soft Wood



Window Frame



Green Wood



Wood & Nails

Description	Content	Pieces	Item #	Barcode
5 Pce Reciprocating Blade Sets				
Metal Cutting (225mm Length)	H51722514 Power Curve 14 TPI, H51322518 Dominator 18 TPI, H50922514 Dominator 10-14 TPI, H50522510 Hypercut 10 TPI, H50822514 Metal 10-14 TPI	5	H5890005	9311963623351
Wood Cutting (225mm Length)	H50622506 Hypercut 6 TPI, H50722508 Hypercut Fire & Rescue 5-8 TPI, H52022504 Power Curve 4 TPI, H52522503 Green Wood 3 TPI, H52622514 Wood & Nails 10-14 TPI	5	H5900005	9311963623368



H512 Metal Reciprocating Blade, Sheet Metal >1.2mm

Flexible, finely toothed blade for clean cuts in sheet metal. Suitable for cutting steel and stainless steel (>1.2mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

		CUT TYPE						
		Thickness	Clean	Fast	Straight			
		>1.2mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			Rough	Plunge	Curved			
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
150	130	24 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51215024	9311963599045



PROSERIES

H513 Metal Reciprocating Blade, Sheet Metal >1.5mm, Dominator

High performance blade with an extra tall and thin body for fast, accurate and straight plunge cuts in sheet metal. Suitable for cutting steel, stainless steel and metal pipe (>1.5mm).

- 25mm tall body reduces twisting for straighter, more accurate cuts
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast cutting

		CUT TYPE						
		Thickness	Clean	Fast	Straight			
		>1.5mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			Rough	Plunge	Curved			
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
150	130	18 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H51315018	9311963599298
225	205	18 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H51322518	9311963599304
300	280	18 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H51330018	9311963599311

PROSERIES



H516 Metal Reciprocating Blade, Sheet Metal 1.5-6.0mm, Mega Sharp

High performance blade with patented M-Tooth geometry. Suitable for cutting steel, copper (1.5-6.0mm), wood and nails and PVC plastics.

- Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

		CUT TYPE						
		Thickness	Clean	Fast	Straight			
		1.5-6.0mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			Rough	Plunge	Curved			
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
150	130	8 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51615008	9311963599373
200	180	8 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51620008	9311963599380



PROSERIES

H514 Metal Reciprocating Blade, Sheet Metal 1.5–2.5mm, Power Curve

Flexible, general purpose blade for fast, clean cuts in sheet metal. Suitable for cutting steel and stainless steel (1.5–2.5mm).

- Curved blade design allows higher tooth engagement resulting in 30% faster, more efficient and effective cuts
- Power Curve supports the orbital movement of the reciprocating saw allowing high power transfer and longer battery life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

30% FASTER		CUT TYPE					Battery Saving Technology		
		Thickness	Clean	Fast	Straight				
		1.5–2.5mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
			Rough	Plunge	Curved				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
150	130	18 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51415018	9311963599090	
225	205	18 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51422518	9311963599106	



PROSERIES

H517 Metal Reciprocating Blade, Sheet Metal 2.0–3.5mm, Power Curve

Flexible, general purpose blade for fast, clean cuts in sheet metal. Suitable for cutting steel, stainless steel, aluminium and copper (2.0–3.5mm).

- Curved blade design allows higher tooth engagement resulting in 30% faster, more efficient and effective cuts
- Power Curve supports the orbital movement of the reciprocating saw allowing high power transfer and longer battery life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

30% FASTER		CUT TYPE					Battery Saving Technology				
		Thickness	Clean	Fast	Straight						
		2.0–3.5mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
			Rough	Plunge	Curved						
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
150	130	14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51715014	9311963599137			
225	205	14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51722514	9311963599144			

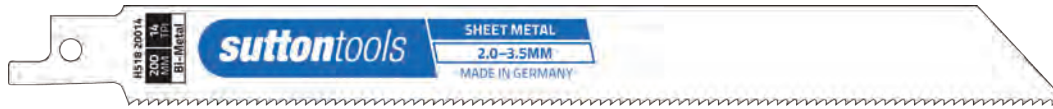


H515 Metal Reciprocating Blade, Sheet Metal 1.5–4.0mm

Flexible, general purpose blade for clean cuts in sheet metal. Suitable for cutting steel and stainless steel (1.5–4.0mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

30% FASTER		CUT TYPE					Battery Saving Technology		
		Thickness	Clean	Fast	Straight				
		1.5–4.0mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
			Rough	Plunge	Curved				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
150	130	18 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51515018	9311963599076	
200	180	18 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51520018	9311963599083	



H518 Metal Reciprocating Blade, Sheet Metal 2.0–3.5mm

Flexible, general purpose blade for clean cuts in sheet metal. Suitable for cutting steel, stainless steel, aluminium and copper (2.0–3.5mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode				
									CUT TYPE			
									Thickness	Clean	Fast	Straight
150	130	14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51815014	9311963599113				
200	180	14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51820014	9311963599120				

PROSERIES



H535 Metal Reciprocating Blade, Shark

Flexible, general purpose blade for fast, aggressive cuts in metal. Suitable for cutting steel, aluminium, copper, metal pipe (>2.5 mm) and wood and nails.

- Shark slot design for optimum heat dissipation and longer tool life
- Shark slot design reduces weight and increases battery life
- Shark tooth design allows fast, aggressive yet stable cutting
- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for fast cutting

O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode				
									CUT TYPE			
									Thickness	Clean	Fast	Straight
150	130	9-13 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H53515013	9311963600284				

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H508 Metal Reciprocating Blade, Twin-Cut

Flexible blade with innovative Twin-Cut tooth geometry designed to reduce tooth breakage and increase blade life when cutting metal. Suitable for cutting steel, aluminium, copper, metal pipe (>2.5mm) and wood and nails.

- Twin-Cut geometry reduces tooth breakage, combining speed and durability
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for fast cutting

O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode				
									CUT TYPE			
									Thickness	Clean	Fast	Straight
150	130	10–14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H50815014	9311963599052				
225	205	10–14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H50822514	9311963599069				



PROSERIES



H509 Metal Reciprocating Blade, Dominator

High performance blade with innovative Twin-Cut tooth geometry. Extra tall and thin body for fast, accurate and straight plunge cuts in metal. Suitable for cutting steel, copper, metal pipe (>2.5mm) and wood and nails.

- Twin-Cut geometry reduces tooth breakage, combining speed and durability
- 25mm tall body reduces twisting for straighter, more accurate cuts
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting

				CUT TYPE							
				Thickness	Clean	Fast	Straight				
				>2.5mm	Rough	Plunge	Curved				
								Steel	Copper & Brass	Metal Pipe	Wood & Nails
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
150	130	10-14 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H50915014	9311963599267			
225	205	10-14 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H50922514	9311963599274			
300	280	10-14 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H50930014	9311963599281			



H519 Metal Reciprocating Blade, Metal

Flexible, general purpose blade for cutting metal. Suitable for cutting steel, stainless steel, aluminium and copper (3.0-5.0mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast cutting

				CUT TYPE							
				Thickness	Clean	Fast	Straight				
				3.0-5.0mm	Rough	Plunge	Curved				
								Steel	Stainless Steel	Aluminium	Copper & Brass
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
150	130	10 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51915010	9311963599151			
200	180	10 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51920010	9311963599168			
280	260	10 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51928010	9311963599175			

PROSERIES



H510 Metal Reciprocating Blade, Mega Sharp

High performance blade with patented M-Tooth geometry. Suitable for cutting steel, copper (2.5-10mm), wood and nails and PVC plastics.

- Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

				CUT TYPE									
				Thickness	Clean	Fast	Straight						
				2.5-10mm	Rough	Plunge	Curved						
								Steel	Copper & Brass	Wood & Nails	PVC Plastic	Pallet Frame	Window Frame
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode					
150	130	5 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51015005	9311963599397					
200	205	5 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51020005	9311963599403					
280	260	5 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51028005	9311963599410					



PROSERIES



H510 Metal Reciprocating Blade, Mega Sharp, Double Shank

High performance blade with double shank design and patented M-Tooth geometry. Suitable for cutting steel, copper (2.5–10mm), wood and nails and PVC plastics.

- Double shank design for complete use of cutting length and up to 60% better economy
- Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

2X FASTER 3X LIFE Economy			CUT TYPE				Steel Wood & Nails PVC Plastic Pallet Window Frame									
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	Thickness		Clean		Fast		Straight	
									2.5–10mm		Rough	Plunge	Curved			
240	200	5 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H51024005	9311963599434								

PROSERIES



H511 Metal Reciprocating Blade, Pipe, Mega Sharp

Designed for parallel cuts in large diameter pipe. High performance blade with patented M-Tooth geometry. Suitable for cutting steel, copper (2.5–10mm), wood and nails and PVC plastics.

- Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life
- Extra thick blade suitable for parallel cuts in large diameter pipes
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

2X FASTER 3X LIFE			CUT TYPE				Metal Pipe Copper & Brass Wood & Nails PVC Plastic Pallet Window Frame									
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	Thickness		Clean		Fast		Straight	
									2.5–10mm		Rough	Plunge	Curved			
200	180	5 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H51120005	9311963599427								

PROSERIES



H505 Demolition Reciprocating Blade, Metal, Hypercut

Special thick and robust blade designed for demolition work in metal. Suitable for cutting steel, stainless steel, aluminium, copper, metal pipe (>3.0mm), PVC plastics and wood and nails.

- Heavy Duty thick, rigid body resists bending and fracturing for maximum durability
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

HEAVY DUTY Demolition			CUT TYPE				Steel Aluminium Copper & Brass Metal Pipe Wood & Nails PVC Plastic									
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	Thickness		Clean		Fast		Straight	
									>3.0mm		Rough	Plunge	Curved			
150	130	10 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H50515010	9311963599182								
225	205	10 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H50522510	9311963599199								
300	280	10 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H50530010	9311963599205								

Material Codes: ■ Wood ■ Metal ■ Speciality ■ Masonry ○ Effective ● Optimal

All reciprocating blades are shown at 70% actual size

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H539 Metal Reciprocating Blade, Thick Metal, Carbide Teeth

These blades are the ultimate cutting solution for thick-walled and solid metal applications. Featuring welded tungsten carbide teeth (TCT), these blades are suitable for cutting hard materials such as steel, stainless, reinforcing bars and cast iron. They are also suitable for cutting high strength steels used in bolts, screws and vehicle panels along with abrasive plastics and metal reinforced rubbers.

- Tungsten Carbide Teeth – For faster cutting speeds and longer blade life and clean cuts
- Highly Stable Body – 25mm (1”) blade body provides stable, smooth

Carbide Teeth			CUT TYPE				Steel		Stainless Steel		Reo-Bar	
Thickness	Clean	Fast	Straight									
4.0-12.0mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rough	Plunge	Curved						
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode				
150	130	8 TPI	1.5	25	Carbide Teeth	1	H53915008	9311963631721				
225	205	8 TPI	1.5	25	Carbide Teeth	1	H53922508	9311963631738				



PROSERIES

H506 Demolition Reciprocating Blade, Wood, Hypercut

Special thick and robust blade designed for demolition work in wood. Suitable for cutting hard wood and soft wood.

- Heavy Duty thick, rigid body resists bending and fracturing for maximum durability
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Demolition			CUT TYPE				Soft Wood		Hard Wood	
Thickness	Clean	Fast	Straight							
H506 15006 <100mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rough	Plunge	Curved				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
150	130	6 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H50615006	9311963599212		
225	205	6 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H50622506	9311963599229		
300	280	6 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H50630006	9311963599236		



PROSERIES

H507 Demolition Reciprocating Blade, Fire & Rescue, Hypercut

Special thick and robust blade designed for fire and rescue and demolition work. Suitable for cutting wood and nails, and all kinds of timber construction.

- Heavy Duty thick, rigid body resists bending and fracturing for maximum durability
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Increased tang angle for optimal speed and cutting performance
- Teeth milled and side set for straight, fast, rough cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Fire & Rescue Demolition			CUT TYPE				Wood & Nails				Soft Wood		Pallet		Window Frame	
Thickness	Clean	Fast	Straight													
H507 22508 <175mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rough	Plunge	Curved										
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode								
225	205	5-8 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H50722508	9311963599243								
300	280	5-8 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H50730008	9311963599250								



H525 Wood Reciprocating Blade, Green Wood

Coarse pitch, diagonally sharpened blade for rough cuts in green wood. Suitable for cutting timber and green wood.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled, side set and diagonally sharpened

O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
150	130	3 TPI	1.27	19	HCS	2 Pack	H52515003	9311963598970
225	205	3 TPI	1.27	19	HCS	2 Pack	H52522503	9311963598987



H520 Wood Reciprocating Blade, Power Curve

Flexible, general purpose blade for fast cuts in wood. Suitable for cutting timber, soft wood and hard wood.

- Curved blade design allows higher tooth engagement resulting in 30% faster, more efficient and effective cuts
- Power Curve supports the orbital movement of the reciprocating saw allowing high power transfer and longer battery life
- Increased tang angle for optimal speed and cutting performance
- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled and side set for straight, fast cutting

O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
225	205	4 TPI	1.05	19	HCS	2 Pack	H52022504	9311963598963



H521 Wood Reciprocating Blade, General Purpose

Flexible, general purpose blade for cutting wood. Suitable for cutting timber, soft wood and hard wood.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled and side set for straight, fast, rough cutting

O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
150	130	4 TPI	1.05	19	HCS	2 Pack	H52115004	9311963598956

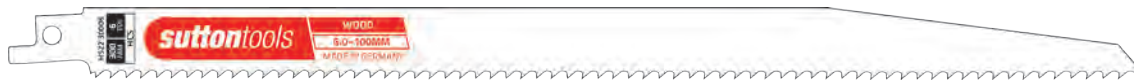


H524 Wood Reciprocating Blade, Curved Cut

Flexible blade designed for clean cuts in wood. Suitable for cutting timber, soft wood and hard wood.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth triply sharpened for finer cutting in wood

Clean Cut		Curved Cut		CUT TYPE				Soft Wood Hard Wood	
				Thickness	Clean	Fast	Straight		
				<190mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Rough	Plunge	Curved		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
240	220	6 TPI	1.27	19	HCS	2 Pack	H52424006	9311963598918	



Blade shown at 50% actual size

H522 Wood Reciprocating Blade, Plunge Cut

Flexible plunge cutting blade designed for fast cuts in wood. Suitable for cutting timber, soft wood, hard wood, PVC plastics and plasterboard.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled and side set for straight, fast, rough cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Plunge Cut		CUT TYPE				Soft Wood Hard Wood PVC Plastic Plaster Board			
				Thickness	Clean	Fast	Straight		
				6-100mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
					Rough	Plunge	Curved		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
300	280	6 TPI	1.27	19	HCS	2 Pack	H52230006	9311963598888	



Blade shown at 50% actual size

H523 Wood Reciprocating Blade, Plunge Cut

Flexible plunge cutting blade designed for fast cuts in wood and fibre glass. Suitable for cutting timber, soft wood, hard wood, PVC plastics and fibreglass.

- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Plunge Cut		CUT TYPE				Soft Wood Hard Wood PVC Plastic Fibreglass Carbon Fibre				
				Thickness	Clean	Fast	Straight			
				H523 15006 <100mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
				H523 30006 <250mm	Rough	Plunge	Curved			
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
150	130	6 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H52315006	9311963598895		
300	280	6 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H52330006	9311963598901		



Blade shown at 50% actual size

H527 Wood & Nails Reciprocating Blade, Plunge Cut

Robust vari-pitch blade with taper back design for plunge cutting in wood and nails. Suitable for cutting wood and nails and timber.

- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting
- Variable pitch cuts nails with reduced vibration
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Plunge Cut		CUT TYPE								
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
									300	280



H528 Specialty Reciprocating Blade, Pallet Repair

Special vari-pitch blade designed for pallet repair. Suitable for cutting wood and nails, timber and steel (>2.5mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting
- Variable pitch for universal use and reduced vibration

COBALT BI-METAL		CUT TYPE								
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
									225	205
280	260	10-14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H52828014	9311963599007		

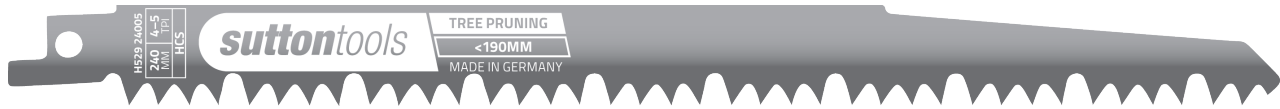


H526 Wood & Nails Reciprocating Blade

Straight cutting blade specially designed for pallet repair. Suitable for cutting wood and nails, timber and steel (>2.5mm).

- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts
- Variable pitch cuts nails with reduced vibration

COBALT BI-METAL		CUT TYPE								
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
									150	130
225	205	10-14 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H52622514	9311963599021		

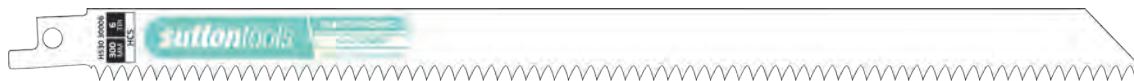


H529 Specialty Reciprocating Blade, Tree Pruning

Special induction hardened and diagonally sharpened blade designed for fast cuts in green wood. Suitable for cutting green wood and hard wood.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Induction hardened blade edge for durability
- Teeth side set and diagonally sharpened for fast, clean cuts

			CUT TYPE					
			Thickness	Clean	Fast	Straight		
			<190mm	□	□		Green Wood	Hard Wood
				Rough	Plunge	Curved		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
240	220	4-5 TPI	1.27	19	HCS	2 Pack	H52924005	9311963598949



Blade shown at 50% actual size

H530 Specialty Reciprocating Blade, Plasterboard

Flexible blade designed for fast cuts in plasterboard and wood. Suitable for cutting timber, soft wood, hard wood and plasterboard.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled and side set for straight, fast, rough cutting

			CUT TYPE							
			Thickness	Clean	Fast	Straight				
			H530 15006 6-100mm H530 30006 6-250mm	□	□		Plaster Board	Soft Wood	Hard Wood	Hebel
				Rough	Plunge	Curved				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
150	130	6 TPI	1.05	19	HCS	2 Pack	H53015006	9311963598925		
300	280	6 TPI	1.05	19	HCS	2 Pack	H53030006	9311963598932		



PROSERIES

Blade shown at 100% actual size

H531 Specialty Reciprocating Blade, Stainless Steel

Tungsten Carbide Tipped (TCT) blade for specialised applications. Suitable for cutting stainless steel, steel, acrylic, fibreglass and carbon fibre (2.0-4.0mm).

- Tungsten carbide strip with ground straight taper set teeth for high wear resistance when cutting tough, abrasive materials
- Ground to a sharper edge for excellent wear resistance

			CUT TYPE								
			Thickness	Clean	Fast	Straight					
			2.0-4.0mm	□	□		Stainless Steel	Steel	Acrylic	Fibreglass	Carbon Fibre
				Rough	Plunge	Curved					
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
115	95	18 TPI	1.25	19	TCT	2 Pack	H53111518	9311963599359			



PROSERIES



Blade shown at 70% actual size

H532 Specialty Reciprocating Blade, Fibreglass

Tungsten Carbide Tipped (TCT) blade for specialised applications. Suitable for cutting hard wood, soft wood, MDF, fibreglass and hebel.

- Made from alloyed tool steel with tungsten carbide teeth for high wear resistance when cutting abrasive materials
- Heavy Duty thick, rigid body resists bending and fracturing for maximum durability

HEAVY DUTY Carbide Tip		CUT TYPE									
		Thickness	Clean	Fast	Straight						
		H532 22503 <175mm									
		H532 30003 <250mm	Rough	Plunge	Curved						
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
225	205	3 TPI	1.3	19	TCT	1 Pack	H53222503	9311963599335			
300	280	3 TPI	1.3	19	TCT	1 Pack	H53230003	9311963599342			



Blade shown at 50% actual size

H534 Specialty Reciprocating Blade, Insulation

Special designed blade for installing insulation. The highly sharp edge and double ground wave blade allows a fast, precise and smooth cutting action. Suitable for cutting rock wool insulation, polystyrene, leather, rubber, paper and carpet (<250mm).

- Double wave blade design for cutting without ripping or snagging
- Specially sharp-edged and double ground blade allows a fast, precise and nearly abrasive-free cutting action
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Smooth Cut Fast Cut		CUT TYPE										
		Thickness	Clean	Fast	Straight							
		<250mm										
			Rough	Plunge	Curved							
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode				
300	280	3 TPI	1.27	19	HCS	2 Pack	H53430000	9311963599328				



PROSERIES



Blade shown at 70% actual size

H533 Specialty Reciprocating Blade, Masonry

High performance abrasive blade for cutting tough materials that resist chip forming. Carbide grit blades provide fast smooth cuts. Suitable for cutting cast iron, steel pipes, fibreglass, ceramics, cement sheet, hebel and brick (<175mm).

- Tungsten carbide grit cutting edge resists material binding
- Abrasive blade with smooth cutting action

Carbide Grit		Smooth Cut		CUT TYPE				Material Applications	
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
230	210	10-14 TPI	1.05	19	Carbide Grit	2 Pack	H53323000	9311963599366	



Blade shown at 50% actual size

H540 Specialty Reciprocating Blade, Abrasive Materials & Masonry

These blades are the ultimate cutting solution for abrasive material applications. Featuring welded tungsten carbide teeth (TCT), these blades are suitable for cutting fibre cement, aerated concrete, clay bricks and other abrasive building materials.

- Extra Tall Blade Body – The 50mm (2") design delivers straight cuts
- Large Tooth Gullets – Improves dust removal for faster cutting speeds

Carbide Teeth		CUT TYPE				Material Applications		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
305	285	2 TPI	1.7	50	Carbide Teeth	1	H54030502	9311963631745
455	435	2 TPI	1.7	50	Carbide Teeth	1	H54045502	9311963631752

Saw Blades Circular Saws



Mitre Saw Cutting, Carbide Tipped

- Suitable for Mitre saw and Drop saw machines
- Cuts aluminium, non-ferrous metals and plastics
- Negative hook teeth to avoid self-feeding of materials
- Anti-vibration technology for stability and accuracy
- High quality pre-hardened cold rolled steel for durability and long service life
- Triple chip tungsten carbide precision tooth grinding for smooth and accurate cuts



Part No.	Diameter mm	Teeth TPI	Kerf mm	Bore mm	Item #	Barcode
BMN2163060	216	60T	2.8	30	BMN2163060	9314350047648
BMN2503060	250	60T	3.2	30	BMN2503060	9314350047662

Wood Cutting - Professional, Standard Kerf, Carbide Tipped

- Suitable for Table saw and Cut Off saw machines
- Anti-vibration technology for stability and accuracy
- High quality pre-hardened cold rolled steel for superior tooth support, durability and long service life
- Bores incorporates universal pin holes
- Precision tooth grinding for smooth, accurate cuts



Part No.	Diameter mm	Teeth TPI	Kerf mm	Bore mm	Item #	Barcode
BP2543040	254	40T	3.2	30	BP2543040	9314350046511
BP2543080	254	80T	3.2	30	BP2543080	9314350046535
BP3053060	305	60T	3.2	30	BP30530100	9314350046559
BP30530100	305	100T	3.2	30	BP3053060	9314350046542

Safety Note: Always ensure adequate guarding is in place. Always wear eye, hand and hearing protection. Ensure work piece is securely clamped. Follow machine manufacturers operating and safety instructions.

Saw Blades Trade Blades



Wood Cutting - Standard Kerf, TCT

- Premium quality saw blades for portable, radial arm and bench machines
- Precision, hardened plate blades have thick micrograin carbide tips
- Designed to have optimum performance in a wide range of materials



Part No.	Diameter mm	Teeth TPI	Kerf mm	Grind	Item #	Barcode
M6 24T 20MM	160	24	2.5	Alt. Bev.	H8001502420	9314350002487
M6 30T 20MM	160	30	2.5	Alt. Bev.	H8001503020	9314350002500
M10 40T 30MM	250	40	3	Alt. Bev.	H8002504030	9314350002913
M10 60T 30MM	250	60	3	Alt. Bev.	H8002506030	9314350002975
M10 72T 30MM	250	72	3	Alt. Bev.	H8002507230	9314350003002
M12 30T 30MM	300	30	3.2	Alt. Bev.	H8003003030	9314350014213
M12 72T 30MM	300	72	3.2	Alt. Bev.	H8003007230	9314350014220

Aluminium Cutting - Negative Rake, TCT

- Premium blades for portable, radial arm and bench machines
- Precision, hardened, thick micrograin carbide tips
- Optimum performance in a wide range of materials



Part No.	Diameter mm	Teeth TPI	Kerf mm	Grind	Item #	Barcode
MNF160 60T 20MM	160	60	2.2	Triple Chip	H8021606020	9314350017191

Saw Blades Bench Saws



Rip Saws, TCT

- For ripping larger timbers 20-125mm thick



Part No.	Diameter mm	Teeth TPI	Kerf mm	Item #	Barcode
L20BA39N 250	250	20	2.8	H8112502820	9314350044999
L20BA39N 300	300	24	3.2	H8113002224	9314350045002

Safety Note: Always ensure adequate guarding is in place. Always wear eye, hand and hearing protection. Ensure work piece is securely clamped. Follow machine manufacturers operating and safety instructions.

Saw Blades Brand Equivalent - Jigsaw

sutton

Power Tool Suitability

AEG, Black & Decker*, Bosch, De Walt, Festool, Hitachi, Makita*, Metabo, Milwaukee, Ryobi*.

*New models only



BRAND EQUIVALENT LIST							
SUTTON TOOLS	AEG	BOSCH	FESTOOL	LENOX	MAKITA	METABO	MILWAUKEE
H4300752	373392	T101AO	S50K/1,4	320SC	-	23695	48425385
H4311002	254061	T101B	S75/2,5	450S	B11/A85634	23634	48425240
H4321002	346079	T101BR	-	450SR	B19/A85715	23650	48425540
H4321302	R348072	-	-	-	-	-	-
H4341002	-	-	HS75/3BiFC	-	-	-	-
H4351002	274351	T101D	-	456S	B12/A85640	23635	48425500
H4361002	373080	T101DP	S75/4FS	-	-	23655	-
H4371002	213116	T144D	S75/4	406S	B16/A856842	3633	48425421
H4371302	311633	T344D	S105/4	-	L2/P06454	23678	-
H4381002	265312	-	-	-	P31572	-	-
H4391002	399237	-	S75/4FSG	-	-	-	-
H4401002	-	-	-	-	-	-	-
H4411152	-	T234X	-	-	-	23675	-
H4421302	399306	T301CD	-	-	B10/A85628	23654	-
H4431152	-	T308B	-	-	-	-	-
H4440802	373083	T101AIF	-	-	P31566	23948	-
H4451152	-	T123XF	-	-	-	-	-
H4461302	-	T345XF	-	-	-	23677	-
H4470752	274652	T118G	-	-	B24/A85759	23636	-
H4480752	254063	T118A	-	-	B22/A85737	23637	-
H4490752	340011	T118AF	HS60/1,2BI	318S/324S	P47226	23971	48425161
H4501302	-	-	-	-	P45749	-	-
H4510752	254064	T118B	-	-	B23/A85743	23638	48425101
H4520752	340012	T118BF	HS60/2bi	314S	P47232	23973	48425190
H4531002	274315	T127D	-	-	B25/A85765	23639	-
H4541302	274654	T318AF	HS105/1,2BI	518S	P47204	23978	48425166
H4551002	254071	T111C	-	410S	B13/A85656	23632	48425220
H4560802	373393	T118AHM	-	-	P05929	23662	-
H4571001	399308	T141HM	HM75/4,5	-	P38766	23652	-
H4580801	213232	T150Riff	R54/G	-	P38794	23658	-
H4900005	254070	-	-	-	P24583	-	-
H4910005	-	-	-	-	-	-	-
H4920005	-	-	-	-	-	-	-

Saw Blades Brand Equivalent - Reciprocating



Power Tool Suitability

Reciprocating saw blades are available with a 1/2" universal shank and are suitable for the following power tools:

AEG Black & Decker, Bosch, De Walt, Hitachi, Makita, Metabo, Milwaukee, Ozito, Ryobi.



BRAND EQUIVALENT LIST							
SUTTON TOOLS	AEG	BOSCH	DEWALT	LENOX	MAKITA	METABO	MILWAUKEE
H50515010	373247	S920CF	-	-	P46969	31992	48-00-5700
H50522510	-	S1120CF	-	960R	P46975	31993	48-00-5705
H50530010	-	-	-	-	P46981	-	48-00-5710
H50615006	373243	S610DF	DW4862	6066R	P47036	31925	48-00-5021
H50622506	373244	S1110DF	DW4863	966R	P47042	31926	48-00-5026
H50630006	-	-	DW4860	106R	P47058	-	48-00-5027
H50722508	-	-	-	-	-	-	48-00-5026
H50730008	-	-	-	-	-	-	48-00-5027
H50815014	-	-	-	-	-	-	-
H50822514	-	-	-	-	-	-	-
H50915014	-	-	-	-	-	-	-
H50922514	-	-	-	-	-	-	-
H50930014	-	-	-	-	-	-	-
H51015005	-	-	-	-	-	-	-
H51020005	-	-	-	-	-	-	-
H51024005	-	-	-	-	-	-	-
H51028005	-	-	-	-	-	-	-
H51120005	-	-	-	-	-	-	-
H51215024	354796	S922AF	DW4813	624R	P04905	-	-
H51315018	-	-	-	6118R	-	-	48-00-5784
H51322518	-	-	-	9118R	-	-	48-00-5788
H51330018	-	-	-	12118R	-	-	48-00-5789
H51415018	-	-	-	21069618GR	-	-	-
H51422518	-	-	-	21070818GR	-	-	-
H51515018	354792	S922EF	DW4811	618R	P04880	31454	48-00-5184
H51520018	354793	S1122EF	DW4821	818R	P04933	31493	-
H51615008	-	-	-	-	-	-	-
H51620008	-	-	-	-	-	-	-
H51715014	-	-	-	210946114GR	-	-	-
H51722514	-	-	-	210989114GR	-	-	-
H51815014	354789	S922BF	DW4808	614R	P04911	31491	48-00-5182
H51820014	361345	-	DW4809	814R	P04927	31494	-
H51915010	318127	S922HF	DW4806	610R	P46997	-	48-00-5092
H51920010	-	S1122HF	-	810R	P47008	31932	-
H51928010	-	-	-	-	P04983	-	-
H52022504	-	-	-	21062956GR	-	-	-
H52115004	-	-	-	-	P04999	-	-
H52230006	323802	S1344D	DW4804	156R	P05016	31472	48-00-1079
H52315006	354775	S611DF	-	656R	P05088	-	48-00-5035
H52330006	354778	S1411DF	-	156R	-	-	48-00-5037
H52424006	-	S2345X	-	-	-	-	-
H52515003	-	-	-	-	-	-	-
H52522503	-	S1111K	-	-	-	-	-
H52615014	-	-	-	-	-	-	-
H52622514	-	-	-	-	-	-	-
H52730008	-	-	-	-	-	-	-
H52822514	-	-	-	-	-	-	-
H52828014	-	-	-	-	-	-	-
H52924005	323803	S1531L	-	-	P47117	31488	48-00-1077
H53015006	354780	S628D	DW4851	-	-	-	48-00-5052
H53030006	-	-	-	-	-	-	-
H53111518	-	-	-	-	-	-	-
H53222503	-	-	-	-	-	-	-
H53230003	-	-	-	-	-	-	-
H53323000	373386	S1130Riff	-	100RG	-	31818	-
H53430000	-	-	-	-	P80444	-	48-00-1084
H53515013	-	-	-	-	-	-	-
H53625006	323803	S1531L	-	-	P47117	31488	48-00-1077

Saw Blades Technical Information

The performance of a saw blade depends on **1 Tool Material** **2 TPI** **3 Tooth Geometry** **4 Blade Length**. These factors guarantee in conjunction with the correct use of the machine and blade selection the optimum result in cutting all materials.

1 Tool Material



High Carbon Steel:

- Most economical blade material
- Resistant to abrasion and deformation
- Ability to hold a cutting edge at elevated temperatures
- High flexibility

Recommended material to cut:



Hard Wood Soft Wood PVC Plastic Plasterboard



Cobalt Bi-Metal:

Flexible electron beam welded joint of high temperature alloyed sprung steel and cobalt high speed steel on the cutting edge to meet the highest demands given to a blade during use.

- Optimum cutting efficiency
- Prolonged service life
- Flexible making it virtually unbreakable

Recommended material to cut:



Pallet Wood & Nails Carbon Fibre



Steel Aluminium Copper & Brass Sheet Metal Metal Pipe



Carbide Tipped / Carbide Grit:

Alloyed tool steel with tungsten carbide teeth or tungsten carbide gritted cutting edge:

- Very abrasion resistant = longest life.
- Can withstand higher temperatures than standard high speed steel tools
- Maintain a sharper cutting edge, produce a better finish and allows faster cutting

Recommended material to cut:

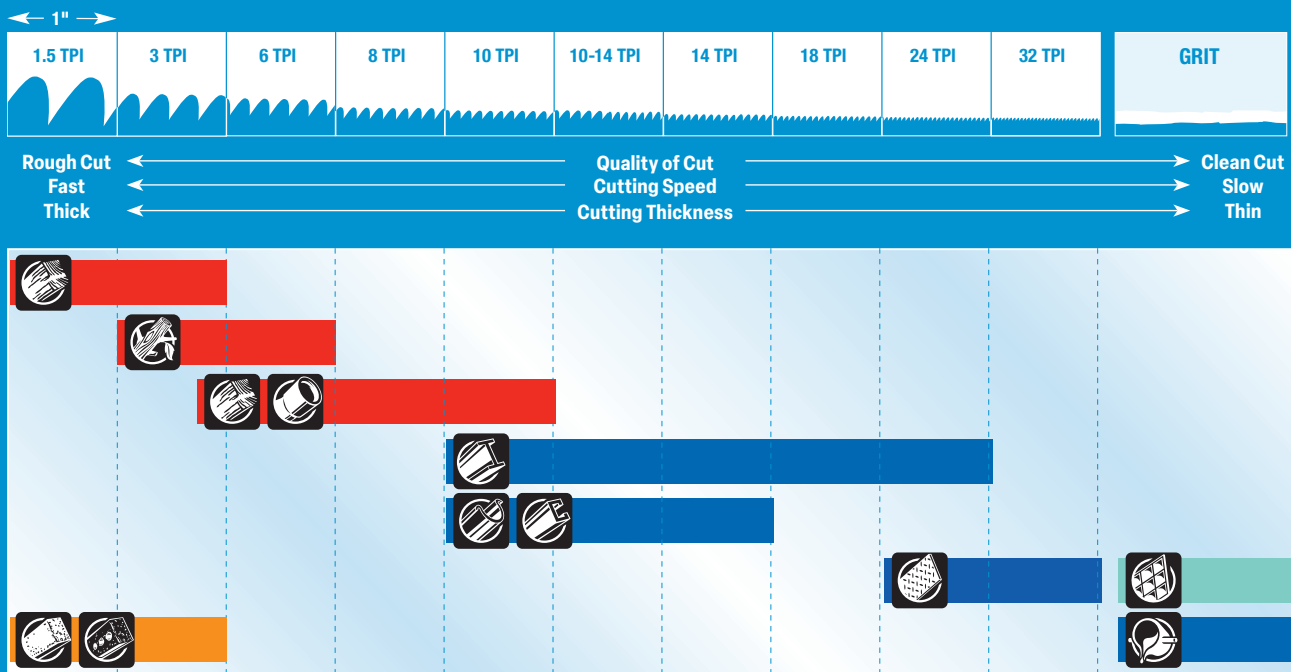


Hefel Brick Stainless Steel



Cast Iron Ceramic & Tiles

2 TPI (Teeth Per Inch) Selection Guide



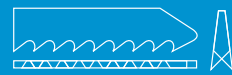
3 Tooth Geometry Selection Guide



Side set toothing for rough cuts



Side set, diagonally sharpened toothing for rough quick cuts



Conically ground blade, teeth diagonally sharpened toothing for precise clean cuts



Wavy set toothing for fine and clean cuts

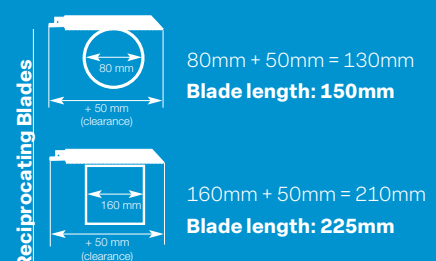
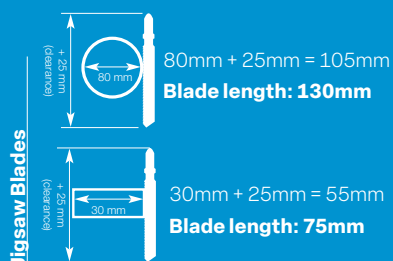


Reverse Teeth very clean and splinter free surface cuts

Tooth Shape: \square D = Roof Tooth \triangle P = Positive Tooth \triangle N = Normal Tooth

4 Blade Length Selection Guide

- As a general rule, the jigsaw blade should be 25mm longer than the workpiece thickness and the reciprocating blade should be 50mm longer than the workpiece thickness.
- 2-3 teeth need to work constantly in the material, the used tooth pitch also follows this rule of thumb.
- It is recommended to use saw blades with a small tooth pitch for thin material and a rough tooth pitch for thick material.



Material Codes: ■ Wood ■ Metal ■ Speciality ■ Masonry



TAPS, DIES & THREADING

• ISO Taps • Carbon Taps • Button Dies • Die Nuts • Sets • Screw Extractors

TAPS, DIES & THREADING

Taps, Dies & Threading Index

- 231 Dies** Carbon, Button Dies – Metric & Metric Fine
- 233 Dies** Carbon, Button Dies – RC & NPT (Taper)
- 232 Dies** Carbon, Button Dies – UNC, UNF & BSW
- 237 Dies** Carbon, Die Nuts – BSW, BSF & G
- 234 Dies** Carbon, Die Nut Sets
- 235 Dies** Carbon, Die Nuts – Metric & Metric Fine
- 236 Dies** Carbon, Die Nuts – UNC & UNF
- 229 Dies** HSS, Button Dies – Metric & Metric Fine
- 230 Dies** HSS, Button Dies – UNC, UNF & BSPF
- 217 ISO Taps** BSF, BSB & BA, Straight Flute
- 216 ISO Taps** BSW, Gun
- 216 ISO Taps** BSW, Spiral Flute
- 214 ISO Taps** BSW, Straight Flute
- 207 ISO Taps** Metric Fine, Gun
- 207 ISO Taps** Metric Fine, Spiral Flute
- 205 ISO Taps** Metric Fine, Straight Flute
- 204 ISO Taps** Metric, Gun
- 204 ISO Taps** Metric, Spiral Flute
- 202 ISO Taps** Metric, Straight Flute
- 203 ISO Taps** Metric, Straight Flute, Left Hand
- 219 ISO Taps** Pipe, G (BSPF), Straight Flute
- 220 ISO Taps** Pipe, National Series
- 218 ISO Taps** Pipe, Pg, Straight Flute
- 220 ISO Taps** Pipe, Rc (BSPT), Straight Flute
- 210 ISO Taps** UNC, Gun
- 210 ISO Taps** UNC, Spiral Flute
- 208 ISO Taps** UNC, Straight Flute
- 212 ISO Taps** UNEF, Straight Flute
- 213 ISO Taps** UNF, Gun
- 213 ISO Taps** UNF, Spiral Flute
- 211 ISO Taps** UNF, Straight Flute
- 239 Tap & Die Sets** Carbon
- 238 Tap & Die Sets** HSS
- 221 Tap & Drill Sets** HSS Straight Flute
- 222 Tap & Drill Sets** Impact
- 222 Tap & Drill Sets** Quick Change
- 223 Taps** Carbon
- 227 Taps** Carbon, Bulk – BSW
- 228 Taps** Carbon, Bulk – G, RC, NPT
- 224 Taps** Carbon, Bulk – Metric
- 225 Taps** Carbon, Bulk – Metric Fine
- 226 Taps** Carbon, Bulk – UNC & UNF
- 241 Threading** DIY Range
- 243 Threading** Screw Extractors
- 240 Threading** Screw Extractor Set
- 200 Threading** Tapping Drill Size Chart
- 242 Threading** Tap Wrenches & Die Holders
- 245 Threading** Technical Information
- 244 Threading** Thread Gauges

Threading Tapping Drill Size Chart

M ISO METRIC COARSE (60°)

Tap Size	Pitch mm	Tapping Drill mm
M1.6	0.35	1.25
M2	0.4	1.6
M2.5	0.45	2.05
M3	0.5	2.5
M3.5	0.6	2.9
M4	0.7	3.3
M4.5	0.75	3.7
M5	0.8	4.2
M6	1.0	5.0
M8	1.25	6.8
M10	1.5	8.5
M12	1.75	10.2
M14	2.0	12.0
M16	2.0	14.0
M18	2.5	15.5
M20	2.5	17.5
M22	2.5	19.5
M24	3.0	21.0
M27	3.0	24.0
M30	3.5	26.5
M33	3.5	29.5
M36	4.0	32.0
M42	4.5	37.5
M45	4.5	40.5
M48	5.0	43.0
M52	5.0	47.0
M56	5.5	50.5

MF ISO METRIC FINE (60°)

M4	0.5	3.5
M5	0.5	4.5
M6	0.75	5.3
M8	1.0	7.0
M10**	1.0	9.0
M10	1.25	8.8
M12**	1.25	10.8
M12	1.5	10.5
M14**	1.25	12.8
M14	1.5	12.5
M16*	1.5	14.5
M18**	1.5	16.5
M20*	1.5	18.5
M22	1.5	20.5
M24	2.0	22.0
M25*	1.5	23.5
M32*	1.5	30.5
M40*	1.5	38.5
M50*	1.5	48.5

*Metric Conduit **Spark Plug

8UN (8 TPI) UNIFIED NATIONAL FORM (60°)

1-1/8	8	25.5
1-1/4	8	28.5
1-3/8	8	31.75
1-1/2	8	35.0
1-5/8	8	38.0
1-3/4	8	41.5
1-7/8	8	44.5
2	8	47.5

UNC UNIFIED NATIONAL COARSE (60°)

Tap Size	TPI	Tapping Drill mm
#2 (.086)	56	1.85
#3 (.099)	48	2.1
#4 (.112)	40	2.3
#5 (.125)	40	2.6
#6 (.138)	32	2.8
#8 (.164)	32	3.4
#10 (.190)	24	3.8
#12 (.216)	24	4.5
1/4	20	5.1
5/16	18	6.6
3/8	16	8.0
7/16	14	9.4
1/2	13	10.8
9/16	12	12.2
5/8	11	13.5
3/4	10	16.5
7/8	9	19.5
1	8	22.2
1-1/8	7	25.0
1-1/4	7	28.0
1-3/8	6	31.0
1-1/2	6	34.0
1-3/4	5	39.5
2	4.5	45.0

UNF UNIFIED NATIONAL FINE (60°)

#3 (.099)	56	2.1
#4 (.112)	48	2.35
#5 (.125)	44	2.65
#6 (.138)	40	2.9
#8 (.164)	36	3.5
#10 (.190)	32	4.1
#12 (.216)	28	4.6
3/16*	32	4.0
1/4	28	5.5
5/16	24	6.9
3/8	24	8.5
7/16	20	9.8
1/2	20	11.5
9/16	18	12.8
5/8	18	14.5
3/4	16	17.5
7/8	14	20.5
1	12	23.5
1*	14	24.0
1-1/8	12	26.5
1-1/4	12	29.5
1-3/8	12	33.01
1-1/2	12	36.0

*UNS

UNEF UNIFIED NATIONAL FORM (60°)

1/4	32	5.6
5/16	32	7.2
3/8	32	8.8
1/2	28	11.8
5/8	24	14.75
3/4	20	18
1	20	24.2

BSW BRITISH STANDARD WHITWORTH (55°)

Tap Size	TPI	Tapping Drill mm
1/16*	60	1.2
3/32*	48	1.85
1/8	40	2.55
5/32*	32	3.2
3/16	24	3.7
7/32*	24	4.5
1/4	20	5.1
5/16	18	6.5
3/8	16	7.9
7/16	14	9.3
1/2	12	10.5
9/16	12	12.1
5/8	11	13.5
3/4	10	16.25
7/8	9	19.25
1	8	22.0
1-1/8	7	24.75
1-1/4	7	28.0
1-1/2	6	33.5
1-3/4	5	39.0
2	4-1/2	44.5

*WHIT. Form

BSF BRITISH STANDARD FINE (55°)

3/16	32	4.0
7/32	28	4.6
1/4	26	5.3
5/16	22	6.8
3/8	20	8.3
7/16	18	9.8
1/2	16	11.0
9/16	16	12.7
5/8	14	14.0
11/16	14	15.5
3/4	12	16.75
7/8	11	19.75
1	10	22.75
1-1/8	9	25.5
1-1/4	9	28.5
1-1/2	8	34.5
1-3/4	7	41.0

BSB BRITISH STANDARD BRASS (55°)

1/4	26	5.2
5/16	26	6.8
3/8	26	8.4
7/16	26	10.0
1/2	26	11.6
9/16	26	13.2
5/8	26	14.8
3/4	26	18.0
7/8	26	20.8
1	26	24.3

*Taper pipe threads of improved quality are obtained when the tapping hole is pre-formed using Sutton Taper Pipe Reamers.

Threading Tapping Drill Size Chart

Rc (BSPT)* ISO Rc TAPER SERIES 1:16 (55°)

Tap Size	TPI	Drill Only*	Drill & Reamer
Rc 1/16	28	6.4	6.2
Rc 1/8	28	8.4	8.4
Rc 1/4	19	11.2	10.8
Rc 3/8	19	14.75	14.5
Rc 1/2	14	18.25	18.0
Rc 3/4	14	23.75	23.0
Rc 1	11	30.0	29.0
Rc 1-1/4	11	38.5	38.0
Rc 1-1/2	11	44.5	44.0
Rc 2	11	56.0	55.0

G (BSPF) ISO G PARALLEL SERIES (55°)

Tap Size	TPI	Tapping Drill mm
G 1/16	28	6.8
G 1/8	28	8.8
G 1/4	19	11.8
G 3/8	19	15.3
G 1/2	14	19.0
G 5/8	14	21.0
G 3/4	14	24.5
G 7/8	14	28.5
G 1	11	31.0
G 1-1/4	11	39.5
G 1-1/2	11	45.5
G 1-3/4	11	51.5
G 2	11	57.5
G 2-1/2	11	72.5

Rp (BSPPL) SEALING PIPE THREAD PARALLEL (55°)

Tap Size	TPI	Drill Only*	Drill & Reamer
Rp 1/8	28	8.6	
Rp 1/4	19	11.5	
Rp 3/8	19	15.0	
Rp 1/2	14	18.5	
Rp 3/4	14	24.0	
Rp 1	11	30.2	
Rp 1-1/4	11	39.0	
Rp 1-1/2	11	45.0	
Rp 2	11	56.4	

Pg (Steel Conduit) (80°)

Tap Size	TPI	Drill Only*	Drill & Reamer
Pg7	20	11.3	
Pg9	18	13.9	
Pg11	18	17.3	
Pg13.5	18	19.1	
Pg16	18	21.2	
Pg21	15	26.8	

THREAD FORMING (FLUTELESS TAPS)

Tap Size	Pitch mm	Tapping Drill mm
METRIC COARSE		
M1	0.25	0.9
M1.1	0.25	1.0
M1.2	0.25	1.1
M1.4	0.3	1.28
M1.6	0.35	1.45
M1.7	0.35	1.55
M1.8	0.35	1.65
M2.0	0.40	1.8
M2.2	0.45	2.0
M2.3	0.4	2.1
M2.5	0.45	2.3
M2.6	0.45	2.4
M3	0.5	2.8
M3.5	0.6	3.2
M4	0.7	3.7
M5	0.8	4.6
M6	1.0	5.5
M8	1.25	7.4
M10	1.5	9.3
M12	1.75	11.2
BSW		
1/8	40	2.9
5/32	32	3.6
3/16	24	4.3
1/4	20	5.8
5/16	18	7.3
3/8	16	8.8

NPT-NPTF* NATIONAL PIPE TAPER 1:16 (60°)

Tap Size	TPI	Drill Only*	Drill & Reamer
1/16	27	6.3	6.0
1/8	27	8.5	8.2
1/4	18	11.0	10.8
3/8	18	14.5	14.0
1/2	14	18.0	17.5
3/4	14	23.0	23.0
1	11-1/2	29.0	28.5
1-1/4	11-1/2	37.5	37.0
1-1/2	11-1/2	44	43.5
2	11-1/2	55.5	55.0

NPSF NATIONAL PIPE STRAIGHT (60°)

Tap Size	TPI	Tapping Drill mm
1/8	27	8.6
1/4	18	11.3
3/8	18	14.5
1/2	14	18.0

THREAD FORMING (FLUTELESS TAPS)

Tap Size	T.P.I.	Tapping Drill mm
UNC		
#1 (.073)	64	1.7
#2 (.086)	56	2.0
#3 (.099)	48	2.3
#4 (.112)	40	2.6
#5 (.125)	40	2.9
#6 (.138)	32	3.2
#8 (.164)	32	3.8
#10 (.190)	24	4.4
#12 (.216)	24	5.0
1/4	20	5.8
5/16	18	7.3
3/8	16	8.8
7/16	14	10.2
1/2	13	11.7
UNF		
#1 (.073)	72	1.7
#2 (.086)	64	2.0
#3 (.099)	56	2.3
#4 (.112)	48	2.6
#5 (.125)	44	2.9
#6 (.138)	40	3.2
#8 (.164)	36	3.9
#10 (.190)	32	4.5
#12 (.216)	28	5.1
1/4	28	6.0
5/16	24	7.5
3/8	24	9.0
7/16	20	10.6
1/2	20	12.1
G (BSPF)		
1/8	28	9.25
1/4	19	12.5
3/8	19	16.0
1/2	14	20.0
5/8	14	22.0
3/4	14	25.5
7/8	14	29.25
1	11	32.0

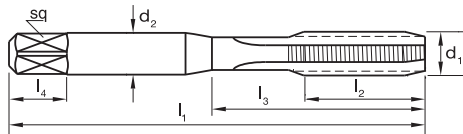
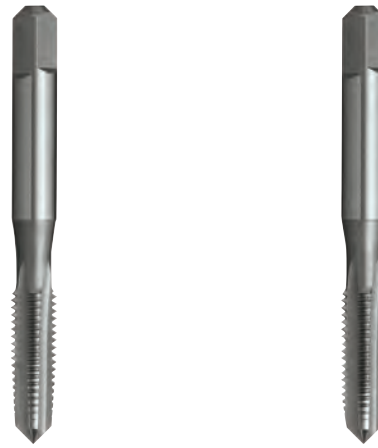
BA BRITISH ASSOCIATION (47.5°)

Tap Size	Pitch mm	Tapping Drill mm
0	1	5.1
1	0.9	4.5
2	0.81	4.0
3	0.73	3.4
4	0.66	3.0
5	0.59	2.65
6	0.53	2.3
7	0.48	2.05
8	0.43	1.8
9	0.39	1.55
10	0.35	1.4
11	0.31	1.2
12	0.28	1.05
13	0.25	0.98
14	0.23	0.8
15	0.21	0.7
16	0.19	0.6

ISO Taps Metric, Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code
Material
Surface Finish
Chamfer
Limit & Nut Tolerance

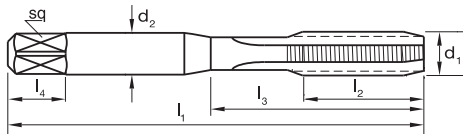
T384	T385
HSS	HSS
Br _t	Br _t
Taper	Intermediate
ISO 2 / 6H	ISO 2 / 6H

Size Ref.	d ₁	Pitch	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0200	M2	x0.4	41	8	-	2.50	2.00	4	3	1.6	T3840200	9311963018010	T3850200	9311963013251
0250	M2.5	x0.45	45	10	-	2.80	2.24	5	3	2.05	T3840250	9311963014784	T3850250	9311963013268
0300	M3	x0.5	48	11	15	3.15	2.50	5	3	2.5	T3840300	9311963003467	T3850300	9311963002989
0350	M3.5	x0.6	50	13	17.5	3.55	2.80	5	3	2.9	T3840350	9311963033853	T3850350	9311963023946
0400	M4	x0.7	53	13	18	4.00	3.15	6	3	3.3	T3840400	9311963001890	T3850400	9311963001586
0450	M4.5	x0.75	53	13	19	4.50	3.55	6	3	3.7	T3840450	9311963025834	T3850450	9311963023953
0500	M5	x0.8	58	16	22	5.00	4.00	7	3	4.2	T3840500	9311963001630	T3850500	9311963001173
0600	M6	x1	66	19	26	6.30	5.00	8	3	5.0	T3840600	9311963000848	T3850600	9311963000794
0700	M7	x1	66	19	26	7.10	5.60	8	4	6.0	T3840700	9311963020730	T3850700	9311963019413
0800	M8	x1.25	72	22	30	8.00	6.30	9	4	6.8	T3840800	9311963001319	T3850800	9311963001098
0900	M9	x1.25	72	22	31	9.00	7.10	10	4	7.8	T3840900	9311963027968	T3850900	9311963025841
1000	M10	x1.5	80	24	34	10.00	8.00	11	4	8.5	T3841000	9311963001593	T3851000	9311963001722
1100	M11	x1.5	85	25	-	8.00	6.30	9	4	9.5	T3841100	9311963030838	T3851100	9311963030845
1200	M12	x1.75	89	29	-	9.00	7.10	10	4	10.2	T3841200	9311963002521	T3851200	9311963002323
1400	M14	x2	95	30	-	11.20	9.00	12	4	12.0	T3841400	9311963010403	T3851400	9311963009643
1600	M16	x2	102	32	-	12.50	10.00	13	4	14.0	T3841600	9311963003474	T3851600	9311963003757
1800	M18	x2.5	112	37	-	14.00	11.20	14	4	15.5	T3841800	9311963018027	T3851800	9311963020754
2000	M20	x2.5	112	37	-	14.00	11.20	14	4	17.5	T3842000	9311963006383	T3852000	9311963004518
2200	M22	x2.5	118	38	-	16.00	12.50	16	4	19.5	T3842200	9311963030876	T3852200	9311963027975
2400	M24	x3	130	45	-	18.00	14.00	18	4	21.0	T3842400	9311963010854	T3852400	9311963009216
2700	M27	x3	135	45	-	20.00	16.00	20	4	24.0			T3852700	9311963020761
3000	M30	x3.5	138	48	-	20.00	16.00	20	4	26.5	T3843000	9311963010052	T3853000	9311963011936
3300	M33	x3.5	151	51	-	22.40	18.00	22	4	29.5	T3843300	9311963038056	T3853300	9311963038063
3600	M36	x4	162	57	-	25.00	20.00	24	4	32.0			T3853600	9311963014791

ISO Taps Metric, Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code
Material
Surface Finish
Chamfer
Limit & Nut Tolerance



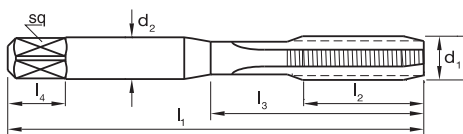
Catalogue Code	T386	T901
Material	HSS	HSS
Surface Finish	Brt	Brt
Chamfer	Bottoming	Set
Limit & Nut Tolerance	ISO 2 / 6H	ISO 2 / 6H

Size Ref.	d ₁	Pitch	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0200	M2	x0.4	41	8	-	2.50	2.00	4	3	1.6	T3860200	9311963015699	T9010200	9311963022574
0250	M2.5	x0.45	45	10	-	2.80	2.24	5	3	2.05	T3860250	9311963010397		
0300	M3	x0.5	48	11	15	3.15	2.50	5	3	2.5	T3860300	9311963002996	T9010300	9311963008912
0350	M3.5	x0.6	50	13	17.5	3.55	2.80	5	3	2.9	T3860350	9311963025827	T9010350	9311963026114
0400	M4	x0.7	53	13	18	4.00	3.15	6	3	3.3	T3860400	9311963001968	T9010400	9311963005584
0450	M4.5	x0.75	53	13	19	4.50	3.55	6	3	3.7	T3860450	9311963027951	T9010450	9311963031132
0500	M5	x0.8	58	16	22	5.00	4.00	7	3	4.2	T3860500	9311963001005	T9010500	9311963005393
0600	M6	x1	66	19	26	6.30	5.00	8	3	5.0	T3860600	9311963000824	T9010600	9311963004440
0700	M7	x1	66	19	26	7.10	5.60	8	4	6.0	T3860700	9311963008318		
0800	M8	x1.25	72	22	30	8.00	6.30	9	4	6.8	T3860800	9311963000923	T9010800	9311963005409
0900	M9	x1.25	72	22	31	9.00	7.10	10	4	7.8	T3860900	9311963020747	T9010900	9311963026121
1000	M10	x1.5	80	24	34	10.00	8.00	11	4	8.5	T3861000	9311963001425	T9011000	9311963006581
1100	M11	x1.5	85	25	-	8.00	6.30	9	4	9.5	T3861100	9311963030852	T9011100	9311963019550
1200	M12	x1.75	89	29	-	9.00	7.10	10	4	10.2	T3861200	9311963002781	T9011200	9311963006154
1400	M14	x2	95	30	-	11.20	9.00	12	4	12.0	T3861400	9311963010410	T9011400	9311963024233
1600	M16	x2	102	32	-	12.50	10.00	13	4	14.0	T3861600	9311963003344	T9011600	9311963011493
1800	M18	x2.5	112	37	-	14.00	11.20	14	4	15.5	T3861800	9311963030869	T9011800	9311963038445
2000	M20	x2.5	112	37	-	14.00	11.20	14	4	17.5	T3862000	9311963006390	T9012000	9311963015811
2200	M22	x2.5	118	38	-	16.00	12.50	16	4	19.5	T3862200	9311963027982	T9012200	9311963038469
2400	M24	x3	130	45	-	18.00	14.00	18	4	21.0	T3862400	9311963009223	T9012400	9311963031156
2700	M27	x3	135	45	-	20.00	16.00	20	4	24.0	T3862700	9311963018034		
3000	M30	x3.5	138	48	-	20.00	16.00	20	4	26.5	T3863000	9311963011943		
3600	M36	x4	162	57	-	25.00	20.00	24	4	32.0	T3863600	9311963016818		

ISO Taps Metric, Straight Flute, Left Hand

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code
Material
Surface Finish
Geometry
Chamfer
Limit & Nut Tolerance



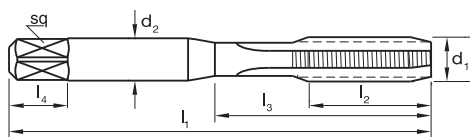
Catalogue Code	T389
Material	HSS
Surface Finish	Brt
Geometry	Left Hand
Chamfer	Taper
Limit & Nut Tolerance	ISO 2 / 6HLH

Size Ref.	d ₁	Pitch	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode
400	M4	x0.7	53	13	18	4	3.15	6	3	3.3	T3890400	9311963043784
600	M4	x1	66	19	26	6.3	5	8	3	5	T3890600	9311963034065
800	M8	x1.25	72	22	30	8	6.3	9	4	6.8	T3890800	9311963025988

ISO Taps Metric, Gun

sutton®

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through holes
- Depths up to approx. 3 x d₁



Size Ref.	d ₁	Pitch	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode
0250	M2.5	x0.45	45	10	-	2.80	2.24	5	3	2.05	T3940250	9311963019505
0300	M3	x0.5	48	11	15	3.15	2.50	5	3	2.5	T3940300	9311963004433
0400	M4	x0.7	53	13	18	4.00	3.15	6	3	3.3	T3940400	9311963002149
0500	M5	x0.8	58	16	22	5.00	4.00	7	3	4.2	T3940500	9311963002385
0600	M6	x1	66	19	26	6.30	5.00	8	3	5.0	T3940600	9311963001029
0800	M8	x1.25	72	22	30	8.00	6.30	9	3	6.8	T3940800	9311963001463
1000	M10	x1.5	80	24	34	10.00	8.00	11	3	8.5	T3941000	9311963002231
1200	M12	x1.75	89	29	-	9.00	7.10	10	3	10.2	T3941200	9311963002910
1400	M14	x2	95	30	-	11.20	9.00	12	3	12.0	T3941400	9311963019512
1600	M16	x2	102	32	-	12.50	10.00	13	3	14.0	T3941600	9311963005768
1800	M18	x2.5	112	37	-	14.00	11.20	14	4	15.5	T3941800	9311963043838
2000	M20	x2.5	112	37	-	14.00	11.20	14	4	17.5	T3942000	9311963009704
3000	M30*	x3.5	138	48	-	20.00	16.00	20	4	26.5	T3943000	9311963123561

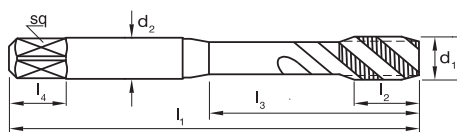


Catalogue Code	T394
Material	HSSE
Surface Finish	Blu
Chamfer	Intermediate
Limit & Nut Tolerance	ISO 2 / 6H

ISO Taps Metric, Spiral Flute

sutton®

- General purpose use
- Suitable for materials up to 1000N/mm²
- Blind holes
- Depths up to approx. 2.5 x d₁



Size Ref.	d ₁	Pitch	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode
0250	M2.5	x0.45	45	5	-	2.80	2.24	5	2	2.05	T3970250	9311963034096
0300	M3	x0.5	48	6	15	3.15	2.50	5	3	2.5	T3970300	9311963014869
0400	M4	x0.7	53	7	18	4.00	3.15	6	3	3.3	T3970400	9311963006413
0500	M5	x0.8	58	8	22	5.00	4.00	7	3	4.2	T3970500	9311963007946
0600	M6	x1	66	10	26	6.30	5.00	8	3	5.0	T3970600	9311963002965
0800	M8	x1.25	72	13	30	8.00	6.30	9	3	6.8	T3970800	9311963002705
1000	M10	x1.5	80	15	34	10.00	8.00	11	3	8.5	T3971000	9311963003849
1200	M12	x1.75	89	18	-	9.00	7.10	10	3	10.2	T3971200	9311963005560
1400	M14	x2	95	20	-	11.20	9.00	12	3	12.0	T3971400	9311963016894
1600	M16	x2	102	20	-	12.50	10.00	13	3	14.0	T3971600	9311963007090
1800	M18	x2.5	112	25	-	14.00	11.20	14	4	15.5	T3971800	9311963038315
2000	M20	x2.5	112	25	-	14.00	11.20	14	4	17.5	T3972000	9311963011448

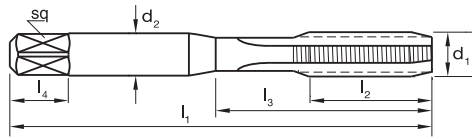


Catalogue Code	T397
Material	HSSE
Surface Finish	Brt
Chamfer	Bottoming
Limit & Nut Tolerance	ISO 2 / 6H

ISO Taps Metric Fine, Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code
Material
Surface Finish
Chamfer
Limit & Nut Tolerance

T401	T402
HSS	HSS
Br _t	Br _t
Taper	Intermediate
ISO 2 / 6H	ISO 2 / 6H

Size Ref.	d ₁	Pitch	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0805	MF8	x1*	72	22	30	8.0	6.3	9	4	7.0	T4010805	9311963016825	T4020805	9311963012568
1005	MF12	x1†	80	24	34	10.0	8.0	11	4	9.0	T4011205	9311963433028		
1005	MF10	x1†	80	24	34	10.0	8.0	11	4	9.0	T4011005	9311963025872	T4021005	9311963018058
1006	MF10	x1.25*	80	24	34	10.0	8.0	11	4	8.8	T4011006	9311963007311	T4021006	9311963003351
1205	MF12	x1	89	29	-	9.0	7.1	10	4	11.0			T4021205	9311963433035
1206	MF12	x1.25	89	29	-	9.0	7.1	10	4	10.8	T4011206	9311963014807	T4021206	9311963010861
1207	MF12	x1.5*	89	29	-	9.0	7.1	10	4	10.5	T4011207	9311963013923	T4021207	9311963006406
1406	MF14	x1.25†	95	30	-	11.2	9.0	12	4	12.8	T4011406	9311963020778	T4021406	9311963013954
1407	MF14	x1.5*	95	30	-	11.2	9.0	12	4	12.5	T4011407	9311963010885	T4021407	9311963012575
1607	MF16	x1.5*	102	32	-	12.5	10.0	13	4	14.5	T4011607	9311963013930	T4021607	9311963010434
1807	MF18	x1.5*	112	37	-	14.0	11.2	14	4	16.5	T4011807	9311963027999	T4021807	9311963016832
2007	MF20	x1.5**	112	37	-	14.0	11.2	14	4	18.5	T4012007	9311963011400	T4022007	9311963009650
2207	MF22	x1.5	118	38	-	16.0	12.5	16	4	20.5	T4012207	9311963025865	T4022207	9311963019420
2408	MF24	x2*	130	45	-	18.0	14.0	18	4	22.0	T4012408	9311963030906	T4022408	9311963022284

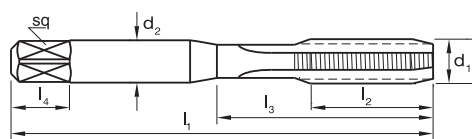
Spark Plug

1005	MF10	x1†	80	24	34	10.0	8.0	11	4	9.0	T4011005	9311963025872	T4021005	9311963018058
1206	MF12	x1.25	89	29	-	9.0	7.1	10	4	10.8	T4011206	9311963014807	T4021206	9311963010861
1406	MF14	x1.25†	95	30	-	11.2	9.0	12	4	12.8	T4011406	9311963020778	T4021406	9311963013954
1807	MF18	x1.5	112	37	-	14.0	11.2	14	4	16.5	T4011807	9311963027999	T4021807	9311963016832

ISO Taps Metric Fine, Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code
Material
Surface Finish
Chamfer
Limit & Nut Tolerance

T403	T902
HSS	HSS
Br _t	Br _t
Bottoming	Set
ISO 2 / 6H	ISO 2 / 6H

Size Ref.	d ₁	Pitch	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0604	MF6	x0.75	66	19	26	6.3	5.0	8	4	5.3	T4030604	9311963347622		
0805	MF8	x1 [†]	72	22	30	8.0	6.3	9	4	7.0	T4030805	9311963013275	T9020805	9311963089164
1005	MF10	x1 [†]	80	24	34	10.0	8.0	11	4	9.0	T4031005	9311963013947	T9021005	9311963022581
1006	MF10	x1.25 [†]	80	24	34	10.0	8.0	11	4	8.8	T4031006	9311963005058	T9021006	9311963092966
1205	MF12	x1	89	29	-	9.0	7.1	10	4	11.0	T4031205	9311963347653		
1206	MF12	x1.25	89	29	-	9.0	7.1	10	4	10.8	T4031206	9311963010878	T9021206	9311963031149
1207	MF12	x1.5 [*]	89	29	-	9.0	7.1	10	4	10.5	T4031207	9311963010427	T9021207	9311963034201
1406	MF14	x1.25 [†]	95	30	-	11.2	9.0	12	4	12.8	T4031406	9311963023977	T9021406	9311963024240
1407	MF14	x1.5 [*]	95	30	-	11.2	9.0	12	4	12.5	T4031407	9311963008837	T9021407	9311963034218
1605	MF16	x1	102	32	-	12.5	10.0	13	4	15.0	T4031605	9311963347677		
1607	MF16	x1.5 [*]	102	32	-	12.5	10.0	13	4	14.5	T4031607	9311963008844	T9021607	9311963044330
1806	MF18	x1.25	112	37	-	14.0	11.2	14	4	16.8	T4031806	9311963347691		
1807	MF18	x1.5 [*]	112	37	-	14.0	11.2	14	4	16.5	T4031807	9311963016849	T9021807	9311963038452
2007	MF20	x1.5 ^{**}	112	37	-	14.0	11.2	14	4	18.5	T4032007	9311963010441		
2207	MF22	x1.5	118	38	-	16.0	12.5	16	4	20.5	T4032207	9311963015705		
2408	MF24	x2 [*]	130	45	-	18.0	14.0	18	4	22.0	T4032408	9311963023960		
3207	MF32	x1.5 ^{**}	151	51	-	22.4	18.0	22	4	30.5	T4033207	9311963347776		

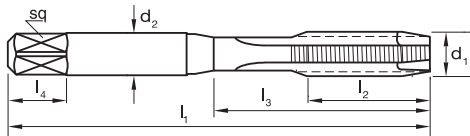
Spark Plug

1005	MF10	x1 [†]	80	24	34	10.0	8.0	11	4	9.0	T4031005	9311963013947	T9021005	9311963022581
1206	MF12	x1.25	89	29	-	9.0	7.1	10	4	10.8	T4031206	9311963010878	T9021206	9311963031149
1406	MF14	x1.25 [†]	95	30	-	11.2	9.0	12	4	12.8	T4031406	9311963023977	T9021406	9311963024240
1807	MF18	x1.5	112	37	-	14.0	11.2	14	4	16.5	T4031807	9311963016849	T9021807	9311963038452

ISO Taps Metric Fine, Gun

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through holes
- Depths up to approx. 3 x d₁



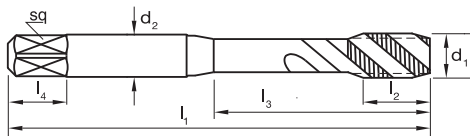
Catalogue Code	T407
Material	HSSE
Surface Finish	Blu
Chamfer	Intermediate
Limit & Nut Tolerance	ISO 2 / 6H

Size Ref.	d ₁	Pitch	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode
0805	MF8	x1	72	22	30	8.0	6.3	9	3	7.0	T4070805	9311963074269
1006	MF10	x1.25	80	24	34	10.0	8.0	11	3	8.8	T4071006	9311963074276
1206	MF12	x1.25	89	29	-	9.0	7.1	10	3	10.8	T4071206	9311963347981
1207	MF12	x1.5	89	29	-	9.0	7.1	10	3	10.5	T4071207	9311963074283
1407	MF14	x1.5	95	30	-	11.2	9.0	12	3	12.5	T4071407	9311963347998
1607	MF16	x1.5	102	32	-	12.5	10.0	13	3	14.5	T4071607	9311963348001
2007	MF20	x1.5	112	37	-	14.0	11.2	14	4	18.5	T4072007	9311963348025

ISO Taps Metric Fine, Spiral Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Blind holes
- Depths up to approx. 2.5 x d₁



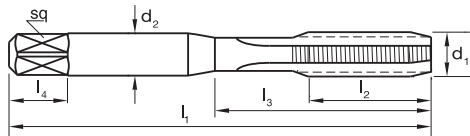
Catalogue Code	T409
Material	HSSE
Surface Finish	Brt
Chamfer	Bottoming
Limit & Nut Tolerance	ISO 2 / 6H

Size Ref.	d ₁	Pitch	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode
0805	MF8	x1	72	22	30	8.0	6.3	9	3	7.0	T4090805	9311963064468

ISO Taps UNC, Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code

Material

Surface Finish

Chamfer

Limit & Nut Tolerance

T414

HSS

Br

Taper

2B

T415

HSS

Br

Intermediate

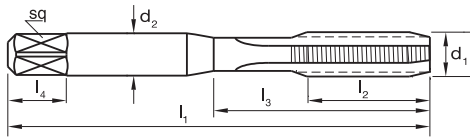
2B

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Limit	Item #	Barcode	Item #	Barcode
0251	#3	48	45	10	-	2.80	2.24	5	3	GH2	T4140251	9311963028002	T4150251	9311963023984
0284	#4	40	48	15	14.5	3.15	2.50	5	3	GH2	T4140284	9311963022291	T4150284	9311963022307
0318	#5	40	48	15	15	3.15	2.50	5	3	GH2	T4140318	9311963024004	T4150318	9311963024011
0351	#6	32	50	17	17.5	3.55	2.80	5	3	GH3	T4140351	9311963011417	T4150351	9311963007328
0417	#8	32	53	13	17	4.50	3.55	6	3	GH3	T4140417	9311963012582	T4150417	9311963014814
0476	3/16	24(UNS)	58	16	22	5.00	4.00	7	3	GH4	T4140476	9311963095349	T4150476	9311963095356
0483	#10	24	58	16	22	5.00	4.00	7	3	GH4	T4140483	9311963015729	T4150483	9311963009230
0549	#12	24	62	17	23	5.60	4.50	7	3	GH4	T4140549	9311963028019	T4150549	9311963025889
0635	1/4	20	66	19	25	6.30	5.00	8	3	GH4	T4140635	9311963005362	T4150635	9311963005904
0794	5/16*	18	72	22	30	8.00	6.30	9	4	GH5	T4140794	9311963006833	T4150794	9311963004266
0953	3/8	16	80	24	33	10.00	8.00	11	4	GH5	T4140953	9311963004648	T4150953	9311963006116
1111	7/16	14	85	25	-	8.00	6.30	9	4	GH3	T4141111	9311963015736	T4151111	9311963008851
1270	1/2	13	89	29	-	9.00	7.10	10	4	GH6	T4141270	9311963008332	T4151270	9311963007335
1429	9/16	12	95	30	-	11.20	9.00	12	4	GH6	T4141429	9311963024028	T4151429	9311963025896
1588	5/8	11	102	32	-	12.50	10.00	13	4	GH6	T4141588	9311963013961	T4151588	9311963006123
1905	3/4	10	112	37	-	14.00	11.20	14	4	GH7	T4141905	9311963010069	T4151905	9311963008349
2223	7/8	9	118	38	-	16.00	12.50	16	4	GH7	T4142223	9311963018065	T4152223	9311963014821
2540	1	8	130	45	-	18.00	14.00	18	4	GH7	T4142540	9311963013978	T4152540	9311963018072
2858	1-1/8	7	138	48	-	20.00	16.00	20	4	GH8	T4152858	9311963018089		
3810	1-1/2	6	170	60	-	28.00	22.40	26	4	GH8	T4143810	9311963025902		

ISO Taps UNC, Straight Flute

sutton®

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code
Material
Surface Finish
Chamfer
Limit & Nut Tolerance

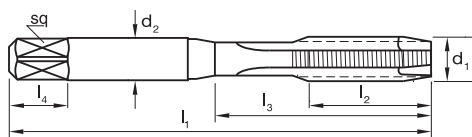
T416	T903
HSS	HSS
Br _t	Br _t
Bottoming	Set
2B	2B

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Limit	Item #	Barcode	Item #	Barcode
0284	#4	40	48	15	14.5	3.15	2.50	5	3	GH2	T4160284	9311963015712	T9030284	9311963028248
0318	#5	40	48	15	15	3.15	2.50	5	3	GH2	T4160318	9311963020785		
0351	#6	32	50	17	17.5	3.55	2.80	5	3	GH3	T4160351	9311963008547		
0417	#8	32	53	13	17	4.50	3.55	6	3	GH3	T4160417	9311963013282		
0476	3/16	24 (UNS)	58	16	22	5.00	4.00	7	3	GH4	T4160476	9311963095363		
0483	#10	24	58	16	22	5.00	4.00	7	3	GH4	T4160483	9311963008325	T9030483	9311963012032
0549	#12	24	62	17	23	5.60	4.50	7	3	GH4	T4160549	9311963033860	T9030549	9311963092911
0635	1/4	20	66	19	25	6.30	5.00	8	3	GH4	T4160635	9311963033877	T9030635	9311963014067
0636	1/4*	20	66	19	25	6.30	5.00	8	3	GH3	T4160636	9311963002897		
0794	5/16*	18	72	22	30	8.00	6.30	9	4	GH5	T4160794	9311963033884	T9030794	9311963010939
0795	5/16	18	72	22	30	8.00	6.30	9	4	GH3	T4160795	9311963005379		
0953	3/8	16	80	24	33	10.00	8.00	11	4	GH5	T4160953	9311963004358	T9030953	9311963010496
1111	7/16	14	85	25	-	8.00	6.30	9	4	GH3	T4161111	9311963006550	T9031111	9311963020983
1270	1/2	13	89	29	-	9.00	7.10	10	4	GH6	T4161270	9311963005911	T9031270	9311963014074
1429	9/16	12	95	30	-	11.20	9.00	12	4	GH6	T4161429	9311963019437	T9031429	9311963038438
1588	5/8	11	102	32	-	12.50	10.00	13	4	GH6	T4161588	9311963010458	T9031588	9311963014920
1905	3/4	10	112	37	-	14.00	11.20	14	4	GH7	T4161905	9311963009667	T9031905	9311963020990
2223	7/8	9	118	38	-	16.00	12.50	16	4	GH7	T4162223	9311963012599	T9032223	9311963018232
2540	1	8	130	45	-	18.00	14.00	18	4	GH7	T4162540	9311963013985		
3175	1-1/4	7	151	51	-	22.40	18.00	22	4	GH8	T4163175	9311963028026		

ISO Taps UNC, Gun

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through holes
- Depths up to approx. 3 x d₁



Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Limit Drill ø	Item #	Barcode
0284	#4	40	48	15	14.5	3.15	2.50	5	2	GH2 2.3	T4230284	9311963024189
0351	#6	32	50	17	17.5	3.55	2.80	5	3	GH3 2.8	T4230351	9311963018188
0417	#8	32	53	13	18	4.50	3.55	6	3	GH3 3.4	T4230417	9311963020877
0483	#10	24	58	16	22	5.00	4.00	7	3	GH4 3.8	T4230483	9311963014852
0635	1/4	20	66	19	25	6.30	5.00	8	3	GH4 5.1	T4230635	9311963010915
0794	5/16	18	72	22	30	8.00	6.30	9	3	GH5 6.6	T4230794	9311963014036
0953	3/8	16	80	24	33	10.00	8.00	11	3	GH5 8.0	T4230953	9311963008554
1270	1/2	13	89	29	-	9.00	7.10	10	3	GH6 10.8	T4231270	9311963012667
1588	5/8	11	102	32	-	12.50	10.00	13	3	GH6 13.5	T4231588	9311963067056
1905	3/4	10	112	37	-	14.00	11.20	14	4	GH7 16.5	T4231905	9311963043845

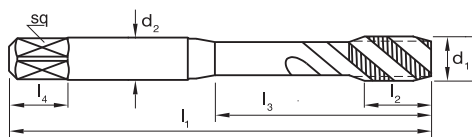


Catalogue Code	T423
Material	HSSE
Surface Finish	Blu
Chamfer	Intermediate
Nut Tolerance	2B

ISO Taps UNC, Spiral Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Blind holes
- Depths up to approx. 2.5 x d₁



Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Limit Drill ø	Item #	Barcode
0218	#2	56	41	8	-	2.5	2.0	-	2	GH2 1.85	T4250218	9311963043883
0483	#10	24	58	11	22	5.00	4.00	7	3	GH4 3.8	T4250483	9311963025995
0635	1/4	20	66	10	25	6.30	5.00	8	3	GH4 5.1	T4250635	9311963006574
0794	5/16	18	72	13	30	8.00	6.30	9	3	GH5 6.6	T4250794	9311963008387
0953	3/8	16	80	16	33	10.00	8.00	11	3	GH5 8.0	T4250953	9311963004747
1588	5/8	11	102	20	-	12.50	10.00	13	3	GH6 13.5	T4251588	9311963011981
1905	3/4	10	112	25	-	14.00	11.20	14	4	GH7 16.5	T4251905	9311963067087

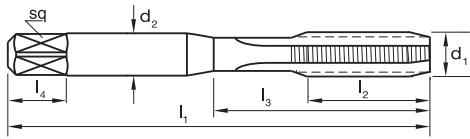
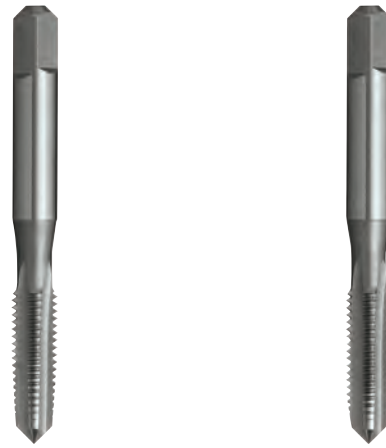


Catalogue Code	T425
Material	HSSE
Surface Finish	Brt
Chamfer	Bottoming
Nut Tolerance	2B

ISO Taps UNF, Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



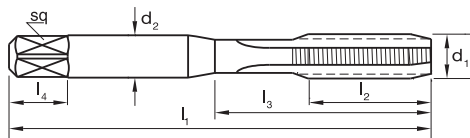
Catalogue Code	T431	T432
Material	HSS	HSS
Surface Finish	Brt	Brt
Chamfer	Taper	Intermediate
Nut Tolerance	2B	2B

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0318	#5	44	48	15	15	3.15	2.50	5	3	2.65	T4310318	9311963022321	T4320318	9311963028057
0351	#6	40	50	17	17.5	3.55	2.80	5	3	2.9	T4310351	9311963033921	T4320351	9311963038100
0417	#8	36	53	13	17	4.50	3.55	6	3	3.5	T4310417	9311963043340	T4320417	9311963043357
0476	3/16	32(UNS)	58	16	22	5.00	4.00	7	3	4.0	T4310476	9311963012605	T4320476	9311963020792
0483	#10	32	58	16	22	5.00	4.00	7	3	4.1	T4310483	9311963010892	T4320483	9311963007922
0549	#12	28	62	17	23	5.60	4.50	7	3	4.6	T4310549	9311963033938	T4320549	9311963030944
0635	1/4	28	66	19	25	6.30	5.00	8	3	5.5	T4310635	9311963006840	T4320635	9311963004907
0794	5/16	24	72	22	30	8.00	6.30	9	4	6.9	T4310794	9311963007588	T4320794	9311963004273
0953	3/8	24	80	24	33	10.00	8.00	11	4	8.5	T4310953	9311963005751	T4320953	9311963005386
1111	7/16	20	85	25	-	8.00	6.30	9	4	9.8	T4311111	9311963009247	T4321111	9311963006567
1270	1/2	20	89	29	-	9.00	7.10	10	4	11.5	T4311270	9311963008868	T4321270	9311963005249
1429	9/16	18	95	30	-	11.20	9.00	12	4	12.8	T4311429	9311963010076	T4321429	9311963012612
1588	5/8	18	102	32	-	12.50	10.00	13	4	14.5	T4311588	9311963010083	T4321588	9311963007069
1905	3/4	16	112	37	-	14.00	11.20	14	4	17.5	T4311905	9311963008875	T4321905	9311963007076
2223	7/8	14	118	38	-	16.00	12.50	16	4	20.5	T4312223	9311963011950	T4322223	9311963010465
2540	1	12	130	45	-	18.00	14.00	18	4	23.5	T4312540	9311963020808	T4322540	9311963014838
2541	1	14(UNS)	130	45	-	18.00	14.00	18	4	24.0	T4312541	9311963024066	T4322541	9311963015743
3175	1-1/4	12	151	51	-	22.40	18.00	22	4	29.5	T4313175	9311963028064	T4323175	9311963018102
3810	1-1/2	12	170	60	-	28.00	22.40	26	4	36.0	T4313810	9311963033945		

ISO Taps UNF, Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code	T433	T904
Material	HSS	HSS
Surface Finish	Brt	Brt
Chamfer	Bottoming	Set
Nut Tolerance	2B	2B

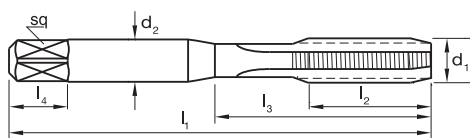


Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0318	#5	44	48	15	15	3.15	2.50	5	3	2.65	T4330318	9311963025919	T9040318	9311963092935
0351	#6	40	50	17	17.5	3.55	2.80	5	3	2.9	T4330351	9311963038117		
0417	#8	36	53	13	17	4.50	3.55	6	3	3.5	T4330417	9311963038124		
0476	3/16	32(UNS)	58	16	22	5.00	4.00	7	3	4.0	T4330476	9311963019444	T9040476	9311963015804
0483	#10	32	58	16	22	5.00	4.00	7	3	4.1	T4330483	9311963008356	T9040483	9311963012704
0549	#12	28	62	17	23	5.60	4.50	7	3	4.6	T4330549	9311963038131		
0635	1/4	28	66	19	25	6.30	5.00	8	3	5.5	T4330635	9311963004723	T9040635	9311963013367
0794	5/16	24	72	22	30	8.00	6.30	9	4	6.9	T4330794	9311963004914	T9040794	9311963014937
0953	3/8	24	80	24	33	10.00	8.00	11	4	8.5	T4330953	9311963003764	T9040953	9311963018249
1111	7/16	20	85	25	-	8.00	6.30	9	4	9.8	T4331111	9311963003313	T9041111	9311963024226
1270	1/2	20	89	29	-	9.00	7.10	10	4	11.5	T4331270	9311963006857	T9041270	9311963011486
1429	9/16	18	95	30	-	11.20	9.00	12	4	12.8	T4331429	9311963007595	T9041429	9311963026091
1588	5/8	18	102	32	-	12.50	10.00	13	4	14.5	T4331588	9311963006130	T9041588	9311963012711
1905	3/4	16	112	37	-	14.00	11.20	14	4	17.5	T4331905	9311963007601	T9041905	9311963016931
2223	7/8	14	118	38	-	16.00	12.50	16	4	20.5	T4332223	9311963009674	T9042223	9311963026107
2540	1	12	130	45	-	18.00	14.00	18	4	23.5	T4332540	9311963018096		
2541	1	14(UNS)	130	45	-	18.00	14.00	18	4	24.0	T4332541	9311963014845	T9042541	9311963044323
3810	1-1/2	12	170	60	-	28.00	22.40	26	4	36.0	T4333810	9311963025926		

ISO Taps UNEF, Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code	T447
Material	HSS
Surface Finish	Brt
Chamfer	Bottoming
Nut Tolerance	2B

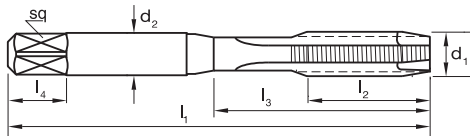


Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Limit Drill ø	Item #	Barcode
1270	1/2	28	89	29	-	9	7.1	10	4	GH5 11.8	T4471270	9311963348117

ISO Taps UNF, Gun

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through holes
- Depths up to approx. 3 x d₁



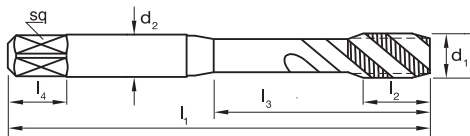
Catalogue Code	T440
Material	HSSE
Surface Finish	Blu
Chamfer	Intermediate
Nut Tolerance	2B

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Limit Drill ø	Item #	Barcode
0483	#10	32	58	16	22	5.00	4.00	7	3	GH3	T4400483	9311963007939
0635	1/4	28	66	19	25	6.30	5.00	8	3	GH3	T4400635	9311963012674
0794	5/16	24	72	22	30	8.00	6.30	9	3	GH4	T4400794	9311963015774
0953	3/8	24	80	24	33	10.00	8.00	11	3	GH4	T4400953	9311963008363
1111	7/16	20	85	25	-	8.00	6.30	9	3	GH5	T4401111	9311963020884
1270	1/2	20	89	29	-	9.00	7.10	10	3	GH5	T4401270	9311963022468
1588	5/8	18	102	32	-	12.50	10.00	13	3	GH5	T4401588	9311963067063
1905	3/4	16	112	37	-	14.00	11.20	14	4	GH6	T4401905	9311963067070

ISO Taps UNF, Spiral Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Blind holes
- Depths up to approx. 2.5 x d₁



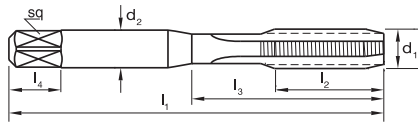
Catalogue Code	T442
Material	HSSE
Surface Finish	Br
Chamfer	Bottoming
Nut Tolerance	2B

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Limit Drill ø	Item #	Barcode
0635	1/4	28	66	10	25	6.30	5.00	8	3	GH3	T4420635	9311963015781
1905	3/4	16	112	25	-	14.00	11.20	14	4	GH6	T4421905	9311963067094

ISO Taps BSW, Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



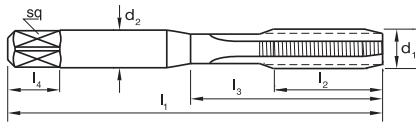
Catalogue Code	T451	T452
Material	HSS	HSS
Surface Finish	Br _t	Br _t
Chamfer	Taper	Intermediate
Limit & Nut Tolerance	Z3 Medium	Z3 Medium

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0318	1/8	40	48	15	15	3.15	2.50	5	3	2.55	T4510318	9311963003825	T4520318	9311963003009
0397	5/32	32(WHIT)	53	17	17	4.00	3.15	6	3	3.2	T4510397	9311963003252	T4520397	9311963003207
0476	3/16	24	58	16	22	5.00	4.00	7	3	3.7	T4510476	9311963000725	T4520476	9311963000985
0556	7/32	24(WHIT)	62	17	23	5.60	4.50	7	3	4.5	T4510556	9311963028071	T4520556	9311963028088
0635	1/4	20	66	19	25	6.30	5.00	8	3	5.1	T4510635	9311963000589	T4520635	9311963001180
0794	5/16	18	72	22	30	8.00	6.30	9	4	6.5	T4510794	9311963002613	T4520794	9311963002187
0953	3/8	16	80	24	33	10.00	8.00	11	4	7.9	T4510953	9311963002620	T4520953	9311963002170
1111	7/16	14	85	25	-	8.00	6.30	9	4	9.3	T4511111	9311963012629	T4521111	9311963011424
1270	1/2	12	89	29	-	9.00	7.10	10	4	10.5	T4511270	9311963003368	T4521270	9311963003771
1588	5/8	11	102	32	-	12.50	10.00	13	4	13.5	T4511588	9311963004730	T4521588	9311963005065
1905	3/4	10	112	37	-	14.00	11.20	14	4	16.25	T4511905	9311963007618	T4521905	9311963006864
2223	7/8	9	118	38	-	16.00	12.50	16	4	19.25	T4512223	9311963012636	T4522223	9311963018119
2540	1	8	130	45	-	18.00	14.00	18	4	22.0	T4512540	9311963014005	T4522540	9311963011967
2858	1-1/8	7	138	48	-	20.00	16.00	20	4	24.75			T4522858	9311963038162
4445	1-3/4	5	187	67	-	31.50	25.00	28	4	39.0	T4514445	9311963038179		

ISO Taps BSW, Straight Flute

sutton®

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code

T453

T905

Material

HSS

HSS

Surface Finish

Br_t

Br_t

Chamfer

Bottoming

Set

Limit & Nut Tolerance

Z3 Medium

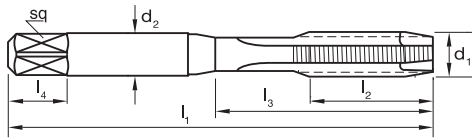
Z3 Medium

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0318	1/8	40	48	15	15	3.15	2.50	5	3	2.55	T4530318	9311963002903	T9050318	9311963007953
0397	5/32	32(WHIT)	53	17	17	4.00	3.15	6	3	3.2	T4530397	9311963003016	T9050397	9311963009735
0476	3/16	24	58	16	22	5.00	4.00	7	3	3.7	T4530476	9311963001128	T9050476	9311963003320
0635	1/4	20	66	19	25	6.30	5.00	8	3	5.1	T4530635	9311963000800	T9050635	9311963003023
0794	5/16	18	72	22	30	8.00	6.30	9	4	6.5	T4530794	9311963001845	T9050794	9311963003979
0953	3/8	16	80	24	33	10.00	8.00	11	4	7.9	T4530953	9311963002088	T9050953	9311963005577
1111	7/16	14	85	25	-	8.00	6.30	9	4	9.3	T4531111	9311963008882	T9051111	9311963022550
1270	1/2	12	89	29	-	9.00	7.10	10	4	10.5	T4531270	9311963002798	T9051270	9311963009742
1588	5/8	11	102	32	-	12.50	10.00	13	4	13.5	T4531588	9311963006147	T9051588	9311963020969
1905	3/4	10	112	37	-	14.00	11.20	14	4	16.25	T4531905	9311963007625		
2223	7/8	9	118	38	-	16.00	12.50	16	4	19.25	T4532223	9311963018126		
2540	1	8	130	45	-	18.00	14.00	18	4	22.0	T4532540	9311963010908		
2858	1-1/8	7	138	48	-	20.00	16.00	20	4	24.75	T4532858	9311963043364		
4445	1-3/4	5	187	67	-	31.50	25.00	28	4	39.0	T4534445	9311963038186		

ISO Taps BSW, Gun

sutton®

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through holes
- Depths up to approx. 3 x d₁



Catalogue Code
Material
Surface Finish
Chamfer
Limit & Nut Tolerance



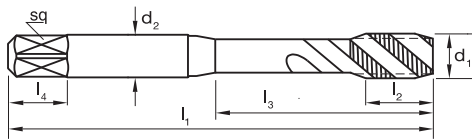
Catalogue Code	T457	T458
Material	HSSE	HSSE
Surface Finish	Brt	Blu
Chamfer	Intermediate	Intermediate
Limit & Nut Tolerance	Z3 Medium	Z3 Medium

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0318	1/8	40	48	15	15	3.15	2.50	5	3	2.55			T4580318	9311963007083
0397	5/32	32(WHIT)	53	17	17	4.00	3.15	6	3	3.2			T4580397	9311963007342
0476	3/16	24	58	16	22	5.00	4.00	7	3	3.7			T4580476	9311963003634
0635	1/4	20	66	19	25	6.30	5.00	8	3	5.1			T4580635	9311963002392
0794	5/16	18	72	22	30	8.00	6.30	9	3	6.5			T4580794	9311963003580
0953	3/8	16	80	24	33	10.00	8.00	11	3	7.9	T4570953	9311963072883	T4580953	9311963003832
1270	1/2	12	89	29	-	9.00	7.10	10	3	10.5			T4581270	9311963008370

ISO Taps BSW, Spiral Flute

sutton®

- General purpose use
- Suitable for materials up to 1000N/mm²
- Blind holes
- Depths up to approx. 2.5 x d₁



Catalogue Code
Material
Surface Finish
Chamfer
Limit & Nut Tolerance



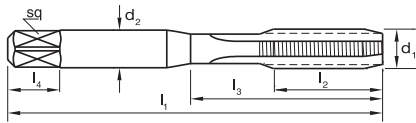
Catalogue Code	T460
Material	HSSE
Surface Finish	Brt
Chamfer	Bottoming
Limit & Nut Tolerance	Z3 Medium

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode
0318	1/8	40	48	6	15	3.15	2.50	5	3	2.55	T4600318	9311963026008
0397	5/32	32(WHIT)	53	7	17	4.00	3.15	6	3	3.2	T4600397	9311963013343
0476	3/16	24	58	11	22	5.00	4.00	7	3	3.7	T4600476	9311963011998
0635	1/4	20	66	10	25	6.30	5.00	8	3	5.1	T4600635	9311963004754
0794	5/16	18	72	13	30	8.00	6.30	9	3	6.5	T4600794	9311963009278
0953	3/8	16	80	16	33	10.00	8.00	11	3	7.9	T4600953	9311963008561

ISO Taps BSF, BSB & BA, Straight Flute

sutton®

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code	T466	T467
Material	HSS	HSS
Surface Finish	Br_t	Br_t
Chamfer	Taper	Intermediate
Limit & Nut Tolerance	Z3 Medium	Z3 Medium

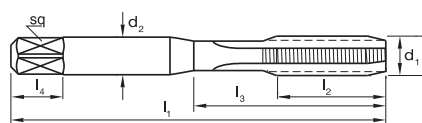
Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
BSF														
0476	3/16	32	58	16	22	5.00	4.00	7	3	4.0	T4660476	9311963019475	T4670476	9311963013305
0635	1/4	26	66	19	25	6.30	5.00	8	3	5.3	T4660635	9311963011431	T4670635	9311963009681
0794	5/16	22	72	22	30	8.00	6.30	9	4	6.8	T4660794	9311963016863	T4670794	9311963019482
0953	3/8	20	80	24	33	10.00	8.00	11	4	8.3	T4660953	9311963014012	T4670953	9311963013312
1111	7/16	18	85	25	-	8.00	6.30	9	4	9.8	T4661111	9311963028101	T4671111	9311963025933
1270	1/2	16	89	29	-	9.00	7.10	10	4	11.0	T4661270	9311963022369	T4671270	9311963016870
1905	3/4	12	112	37	-	14.00	11.20	14	4	16.75			T4671905	9311963024110
2223	7/8	11	118	38	-	16.00	12.50	16	4	19.75			T4672223	9311963030999
BSB														
											T472		T473	
0635	1/4	26(BSF)	66	19	25	6.30	5.00	8	3	5.2	T4660635	9311963011431	T4670635	9311963009681
0794	5/16*	26	72	22	30	8.00	6.30	9	4	6.8	T4720794	9311963034003	T4730794	9311963022444
0953	3/8*	26	80	24	33	10.00	8.00	11	4	8.4	T4720953	9311963025971	T4730953	9311963024158
1270	1/2*	26	89	29	-	9.00	7.10	10	4	11.6	T4721270	9311963028163		
BA														
											T469		T470	
0410	3	0.73	53	13	18	4.50	3.55	6	3	3.4	T4690410	9311963031026		
0280	6	0.53	48	15	-	3.15	2.50	5	3	2.3	T4690280	9311963018140	T4700280	9311963009698
0220	8	0.43	45	10	-	2.80	2.24	5	3	1.8	T4690220	9311963019499		

* Limit & Nut Tolerance = Z4

ISO Taps BSF, BSB & BA, Straight Flute

sutton®

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code	T468
Material	HSS
Surface Finish	Brt
Chamfer	Bottoming
Limit & Nut Tolerance	Z3 Medium

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode
BSF												
0476	3/16	32	58	16	22	5.00	4.00	7	3	4.0	T4680476	9311963016856
0635	1/4	26	66	19	25	6.30	5.00	8	3	5.3	T4680635	9311963008899
0794	5/16	22	72	22	30	8.00	6.30	9	4	6.8	T4680794	9311963011974
0953	3/8	20	80	24	33	10.00	8.00	11	4	8.3	T4680953	9311963013329
1111	7/16	18	85	25	-	8.00	6.30	9	4	9.8	T4681111	9311963024103
1270	1/2	16	89	29	-	9.00	7.10	10	4	11.0	T4681270	9311963020839
1588	5/8	14	102	32	-	12.50	10.00	13	4	14.0	T4681588	9311963022383
2223	7/8	11	118	38	-	16.00	12.50	16	4	19.75	T4682223	9311963031002
BSB												
T474												
0635	1/4	26(BSF)	66	19	25	6.30	5.00	8	3	5.2	T4680635	9311963008899
0794	5/16*	26	72	22	30	8.00	6.30	9	4	6.8	T4740794	9311963018164
0953	3/8*	26	80	24	33	10.00	8.00	11	4	8.4	T4740953	9311963016887
1111	7/16*	26	85	25	-	8.00	6.30	9	4	10.0	T4741111	9311963034027
BA												
T471												
0530	1	0.9	62	17	23	5.60	4.50	7	3	4.5	T4710530	9311963022406
0470	2	0.81	58	16	22	5.00	4.00	7	3	4.0	T4710470	9311963010090
0360	4	0.66	50	17	-	3.55	2.80	5	3	3.0	T4710360	9311963009254
0280	6	0.53	48	15	-	3.15	2.50	5	3	2.3	T4710280	9311963010106
0250	7	0.48	45	10	-	2.80	2.24	5	3	2.05	T4710250	9311963013336
0170	10	0.35	41	8	-	2.50	2.00	4	3	1.4	T4710170	9311963024141

ISO Taps Pipe, Pg, Straight Flute

Pg – Steel Conduit (Armour Pipe)

- General Purpose use for materials up to approx. 1000 N/mm²
- Through & blind holes
- Suitable for both hand and machine operations



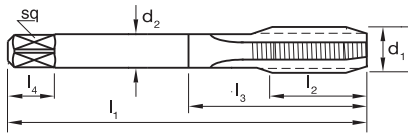
Catalogue Code	T478
Material	HSS
Surface Finish	Brt
Chamfer	Bottoming
Limit & Nut Tolerance	To Suit

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Nom* OD	Item #	Barcode
1520	Pg9	18	102	32	-	12.5	10	12	4	13.9	15.2	T4781520	9311963348711

ISO Taps Pipe, G (BSPF), Straight Flute

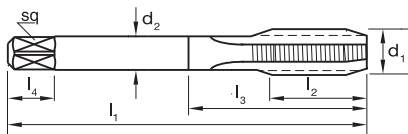
sutton®

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Depths up to approx. 1 x d₁



Catalogue Code	T479	T480
Material	HSS	HSS
Surface Finish	Brt	Brt
Chamfer Limit	Taper Z3	Intermediate Z3

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0973	1/8	28	59	15	-	8.0	6.3	9	4	8.8	T4790973	9311963108094	T4800973	9311963108100
1316	1/4	19	67	19	-	10.0	8.0	11	4	11.8	T4791316	9311963108124	T4801316	9311963108131
1666	3/8	19	75	21	-	12.5	10.0	13	4	15.3	T4791666	9311963108155	T4801666	9311963108162
2096	1/2	14	87	26	-	16.0	12.5	16	4	19.0	T4792096	9311963108186	T4802096	9311963108193
2291	5/8	14	91	26	-	18.0	14.0	18	4	21.0	T4792291	9311963108216		
2644	3/4	14	96	28	-	20.0	16.0	20	4	24.5	T4792644	9311963108247	T4802644	9311963108254
3020	7/8	14	102	29	-	22.4	18.0	22	4	28.5	T4793020	9311963108278		
3325	1	11	109	33	-	25.0	20.0	24	4	31.0	T4793325	9311963108308	T4803325	9311963108315
4780	1-1/2	11	125	37	-	35.5	28.0	31	4	45.5			T4804780	9311963108377
5961	2	11	140	41	-	40.0	31.5	34	6	57.5			T4805961	9311963108438



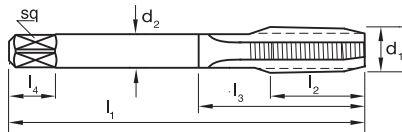
Catalogue Code	T481	T909
Material	HSS	HSS
Surface Finish	Brt	Brt
Chamfer Limit	Bottoming Z3	Set Z3

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode	Item #	Barcode
0973	1/8	28	59	15	-	8.0	6.3	9	4	8.8	T4810973	9311963108117	T9090973	9311963124094
1316	1/4	19	67	19	-	10.0	8.0	11	4	11.8	T4811316	9311963108148	T9091316	9311963124100
1666	3/8	19	75	21	-	12.5	10.0	13	4	15.3	T4811666	9311963108179	T9091666	9311963124117
2096	1/2	14	87	26	-	16.0	12.5	16	4	19.0	T4812096	9311963108209	T9092096	9311963124124
2644	3/4	14	96	28	-	20.0	16.0	20	4	24.5	T4812644	9311963108261	T9092644	9311963124148
3325	1	11	109	33	-	25.0	20.0	24	4	31.0	T4813325	9311963108322		

ISO Taps Pipe, Rc (BSPT), Straight Flute

sutton

- General purpose use
- Suitable for materials up to 1000N/mm²
- Through & blind holes
- Suitable for both hand and machine operations
- Taper pipe reamer recommended prior to tapping Rc (BSPT) thread forms



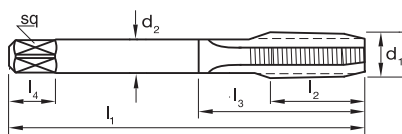
Catalogue Code	T475
Material	HSS
Surface Finish	Brt
Chamfer	Bottoming
Limit & Nut Tolerance	To Suit

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Drill ø	Item #	Barcode
0973	1/8	28	59	15	-	8.0	6.3	9	4	8.4	T4750973	9311963108452
1316	1/4	19	67	19	-	10.0	8.0	11	4	10.8	T4751316	9311963108469
1666	3/8	19	75	21	-	12.5	10.0	13	4	14.5	T4751666	9311963108476
2096	1/2	14	87	26	-	16.0	12.5	16	4	18.0	T4752096	9311963108483
2644	3/4	14	96	28	-	20.0	16.0	20	4	23.0	T4752644	9311963108490
3325	1	11	109	33	-	25.0	20.0	24	5	29.0	T4753325	9311963108506
4191	1-1/4	11	119	36	-	31.5	25.0	28	5	38.0	T4754191	9311963108513
4780	1-1/2	11	125	37	-	35.5	28.0	31	7	44.0	T4754780	9311963108520
5961	2	11	140	41	-	40.0	31.5	34	7	55.0	T4755961	9311963108537

ISO Taps Pipe, National Series

sutton

- General purpose use, materials up to approx. 1000 N/mm²
- Suitable for both hand and machine operations
- Taper pipe reamer recommended prior to tapping



Catalogue Code	T486
Material	HSS
Surface Finish	Colour Temp
Chamfer	Bottoming
Limit & Nut Tolerance	Refer Limit

Size Ref.	d ₁	TPI	l ₁	l ₂	l ₃	d ₂	sq	l ₄	z	Limit Drill ø	Item #	Barcode	
NPSF (Dryseal Straight)													
1029	1/8	27	54	19	-	11.11	8.33	9.5	4	GH3	8.6	T4861029	9311963014890
1372	1/4	18	62	27	-	14.29	10.70	11.1	4	GH4	11.3	T4861372	9311963022529
1715	3/8	18	65	27	-	17.78	13.49	12.7	4	GH4	14.5	T4861715	9311963026039
2134	1/2	14	79	35	-	17.46	13.08	15.9	4	GH5	18.0	T4862134	9311963020945
NPT (National Pipe Taper) 15° Chamfer (1:16 Taper Rate)													
												T487	
1029	1/8	27	54	19	-	11.11	8.33	9.5	4	-	8.2	T4871029	9311963006871
1372	1/4	18	62	27	-	14.29	10.70	11.1	4	-	10.8	T4871372	9311963007649
1715	3/8	18	65	27	-	17.78	13.49	12.7	4	-	14.0	T4871715	9311963009728
2134	1/2	14	79	35	-	17.46	13.08	15.9	4	-	17.5	T4872134	9311963008905
2667	3/4	14	82	35	-	23.00	17.25	17.5	4	-	23.0	T4872667	9311963011462
3340	1	11-1/2	95	44.5	-	28.60	21.40	20.6	5	-	28.5	T4873340	9311963012001
NPTF (Dryseal Taper) 15° Chamfer (1:16 Taper Rate)													
												T488	
1029	1/8	27	54	19	-	11.11	8.33	9.5	4	-	8.2	T4881029	9311963024202
1372	1/4	18	62	27	-	14.29	10.70	11.1	4	-	10.8	T4881372	9311963022536

Tap & Drill Sets HSS Straight Flute

sutton

Metric Straight Flute HSS Tap and Drill Sets.
For general purpose use.



T3850014



T901SDT1

Description	Contents	Pieces	Item #	Barcode
Straight Flute Tap & Drill				
14 Pce Set	M3, M4, M5, M6, M8, M10, M12 & Tapping Drills: 2.5, 3.3, 4.2, 5.0, 6.8, 8.5, 10.2mm	14	T3850014	9311963500058
28 Pce Set	M3, M4, M5, M6, M8, M10, M12 & Tapping Drills	28	T901SDT1	9311963123875

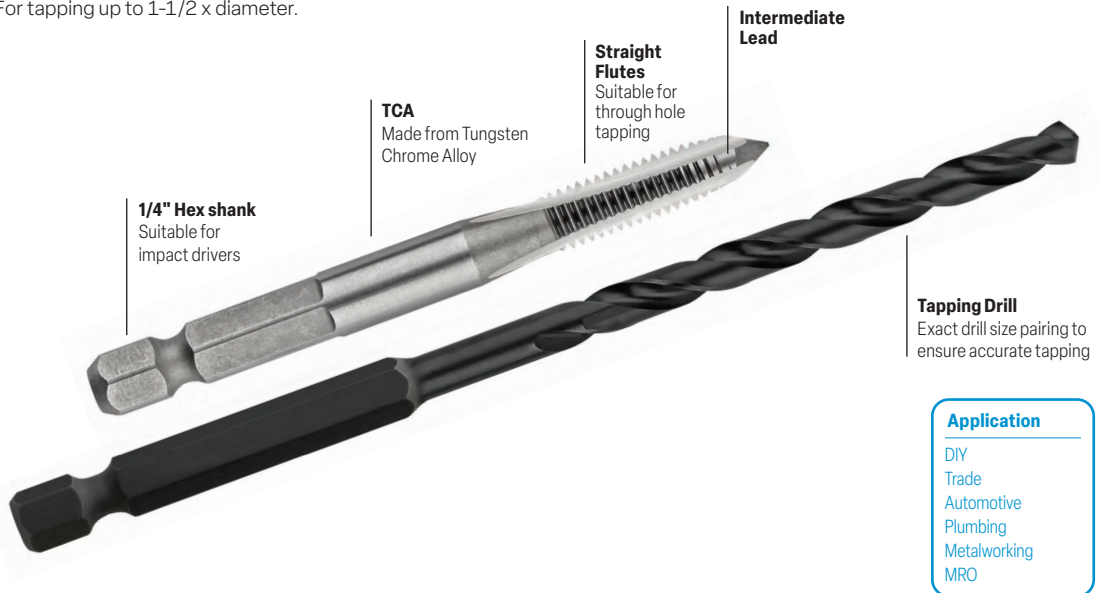
Tap & Drill Sets Impact

sutton



Designed for use in impact drivers for extremely fast tapping speed (3 seconds) in excess of 20x faster than hand tapping. Suitable for steel, aluminium, brass, cast iron, plastic and nylon.

General purpose/maintenance applications only. Not suitable for precision, safety or critical threads. For tapping up to 1-1/2 x diameter.



Size	Pitch	Shank Size	Drill Ø	Item #	Barcode
M3	0.5	1/4	2.5mm	M1050300	9311963600840
M4	0.7	1/4	3.3mm	M1050400	9311963600857
M5	0.8	1/4	4.2mm	M1050500	9311963600864
M6	1	1/4	5.0mm	M1050600	9311963600871
M8	1.25	1/4	6.8mm	M1050800	9311963600888
M10†	1.5	1/4	8.5mm†	M1051000	9311963607412
M12†	1.75	1/4	10.2mm†	M1051200	9311963607429

†Drill not included - M10 and M12

* Compared with hand tapping

Tap & Drill Sets Quick Change

RN

Designed for routine maintenance, repair work and rethreading. Suitable for metal working applications. 1/4" Hex Shank.



Description	Contents	Pieces	Item #	Barcode
Quick Change Tap & Drill Set	6 x Combo Tap & Drills (Metric Course): M3 x 0.5(2.5), M4 x 0.7(3.3), M5 x 0.8(4.2), M6 x 1(5.0), M8 x 1.25(6.8) & M10 x 1.5(9.0), Quick-Change Holder	6	166044676	9311744446919

Taps Carbon



Ideal for routine maintenance, repair work and for re-threading where high accuracy and tolerance thread is not critical. General purpose/ DIY use only. Made from Tungsten Chrome Alloy (TCA).

Note: Straight flute taps are only suitable for hand operations, tapping up to 1-1/2 x diameter.

Tap Cut
A variety of leads are available to suit various requirements



Square Shank
For hard threading work in a variety of materials



Straight Flutes
Suitable for through hole tapping

TCA
Made from Tungsten Chrome Alloy



Taper



Intermediate



Bottoming

Size	Pitch / TPI	Drill Ø	Item #	Barcode	Item #	Barcode	Item #	Barcode
Metric ISO Coarse			M100		M101		M102	
M3	0.5	2.5	M1000300	9311963420097	M1010300	9311963420103	M1020300	9311963420110
M4	0.7	3.3	M1000400	9311963076850	M1010400	0000093829137	M1020400	9311963076867
M5	0.8	4.2	M1000500	9311963076874	M1010500	0000093829151	M1020500	9311963076881
M6	1.0	5	M1000600	9311963076898	M1010600	0000093829168	M1020600	9311963076904
M8	1.25	6.8	M1000800	9311963076935	M1010800	0000093829182	M1020800	9311963076942
M10	1.5	8.5	M1001000	9311963076959	M1011000	0000093829199	M1021000	9311963076966
M12	1.75	10.2	M1001200	9311963076973	M1011200	0000093829205	M1021200	9311963076980
BSW (British Standard Whitworth)					M117			
1/8	40	2.55			M1170318	93829007		
5/32	32 WHIT	3.2			M1170397	93829014		
3/16	24	3.7			M1170476	93829021		
1/4	20	5.1			M1170635	93829038		
5/16	18	6.5			M1170794	93829045		
3/8	16	7.9			M1170953	93829052		
1/2	12	10.5			M1171270	93829076		

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

Taps Carbon, Bulk – Metric



Made from Tungsten Chrome Alloy.

Carbon Taps – Not suitable for precision, safety or critical threads. General purpose / DIY use only. Straight flutes are designed for tapping into materials where chips break-up readily and present no disposal problems, particularly in through-hole tapping. Straight flute taps are only suitable for hand operations, tapping up to 1-1/2 x diameter.

Set comprises 1 each – Taper, Intermediate and Bottoming.

Tap Cut
A variety of leads are available to suit various requirements



Square Shank
For hard threading work in a variety of materials

TCA
Made from Tungsten Chrome Alloy

Straight Flutes
Suitable for through hole tapping

Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO



Taper



Intermediate



Bottoming

Set of 3

Size	Pitch	Drill Ø	Item #	Barcode	Item #	Barcode	Item #	Barcode	Item #	Barcode
Metric ISO Coarse			M200		M201		M202		M203	
M2	0.4	1.6	M2000200	9311963024981			M2020200	9311963024998		
M3	0.5	2.5	M2000300	9311963018751	M2010300	9311963020099	M2020300	9311963025001	M2030300	9311963021775
M4	0.7	3.3	M2000400	9311963015385	M2010400	9311963016351	M2020400	9311963021614	M2030400	9311963017747
M5	0.8	4.2	M2000500	9311963011271	M2010500	9311963011288	M2020500	9311963015392	M2030500	9311963020235
M6	1.0	5	M2000600	9311963012360	M2010600	9311963015408	M2020600	9311963008189	M2030600	9311963013084
M7	1.0	6			M2010700	9311963035680				
M8	1.25	6.8	M2000800	9311963011295	M2010800	9311963014531	M2020800	9311963017501	M2030800	9311963016467
M9	1.25	7.8					M2020900	9311963035710		
M10	1.5	8.5	M2001000	9311963017518	M2011000	9311963008196	M2021000	9311963015415	M2031000	9311963018911
M11	1.5	9.5					M2021100	9311963026947		
M12	1.75	10.2	M2001200	9311963021621	M2011200	9311963016368	M2021200	9311963021638	M2031200	9311963025193
M14	2.0	12	M2001400	9311963025032	M2011400	9311963040202	M2021400	9311963032153	M2031400	9311963029696
M16	2.0	14	M2001600	9311963021645			M2021600	9311963014548	M2031600	9311963025209
M18	2.5	15.5							M2031800	9311963040783
M20	2.5	17.5			M2012000	9311963023212			M2032000	9311963036359
M22	2.5	19.5			M2012200	9311963035734	M2022200	9311963035741		

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

Taps Carbon, Bulk – Metric Fine

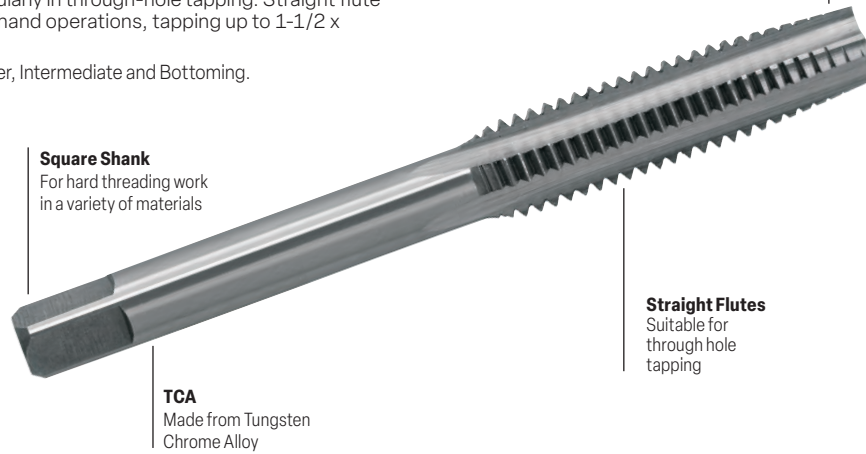


Made from Tungsten Chrome Alloy.

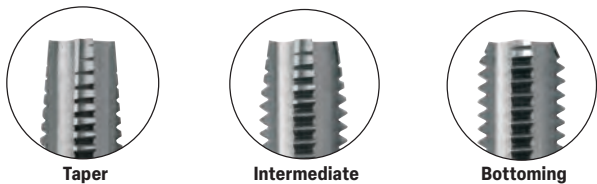
Carbon Taps – Not suitable for precision, safety or critical threads. General purpose / DIY use only. Straight flutes are designed for tapping into materials where chips break-up readily and present no disposal problems, particularly in through-hole tapping. Straight flute taps are only suitable for hand operations, tapping up to 1-1/2 x diameter.

Set comprises 1 each – Taper, Intermediate and Bottoming.

Tap Cut
A variety of leads are available to suit various requirements



- Application**
- DIY
 - Trade
 - Automotive
 - Plumbing
 - Metalworking
 - MRO



Size	Pitch	Drill Ø	Item #	Barcode	Item #	Barcode	Item #	Barcode	Item #	Barcode
Metric Fine			M204		M205		M206		M207	
MF8	1.0	7			M2050805	9311963029450			M2070805	9311963050874
MF10	1.25	8.8			M2051006	9311963013633	M2061006	9311963021676		
MF12	1.25	10.8	M2041206	9311963029528			M2061206	9311963035833		
MF12	1.5	10.5	M2041207	9311963035789					M2071207	9311963040806
MF14	1.5	12.5								
MF16	1.5	14.5	M2041607	9311963025063	M2051607	9311963025070	M2061607	9311963018782		
MF18	1.5	16.5	M2041807	9311963026961			M2061807	9311963029474		
MF20	1.5	18.5	M2042007	9311963026978	M2052007	9311963029481				
Metric Conduit										
MF16	1.5	14.5	M2041607	9311963025063	M2051607	9311963025070	M2061607	9311963018782		
MF20	1.5	18.5	M2042007	9311963026978	M2052007	9311963029481				
MF25	1.5	23.5	M2042507	9311963029498	M2052507	9311963035819	M2062507	9311963040240		
MF32	1.5	30.5	M2043207	9311963035826	M2053207	9311963029504	M2063207	9311963050669		
Spark Plug										
MF12	1.25	10.8	M2041206	9311963029528			M2061206	9311963035833		
MF14	1.25	12.8			M2051406	9311963021683				
MF18	1.5	16.5	M2041807	9311963026961			M2061807	9311963029474		

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.
Intermediate Tap Assists in aligning and starting the tap into an untapped hole.
Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

Taps Carbon, Bulk – UNC & UNF



Made from Tungsten Chrome Alloy.

Carbon Taps – Not suitable for precision, safety or critical threads. General purpose / DIY use only. Straight flutes are designed for tapping into materials where chips break-up readily and present no disposal problems, particularly in through-hole tapping. Straight flute taps are only suitable for hand operations, tapping up to 1-1/2 x diameter.

Set comprises 1 each – Taper, Intermediate and Bottoming.

Tap Cut
A variety of leads are available to suit various requirements



Square Shank
For hard threading work in a variety of materials

Straight Flutes
Suitable for through hole tapping

TCA
Made from Tungsten Chrome Alloy

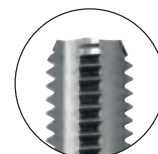
- Application**
- DIY
 - Trade
 - Automotive
 - Plumbing
 - Metalworking
 - MRO



Taper



Intermediate



Bottoming

Set of 3

Size	TPI	Drill Ø	Item #	Barcode	Item #	Barcode	Item #	Barcode	Item #	Barcode
UNC (Unified National Coarse)			M216		M217		M218		M219	
#10	24	3.8	M2160483	9311963020112	M2170483	9311963017549	M2180483	9311963017556	M2190483	9311963071732
1/4	20	5.1	M2160635	9311963014555					M2190635	9311963027135
5/16	18	6.6	M2160794	9311963018799					M2190794	9311963020242
3/8	16	8	M2160953	9311963011752	M2170953	9311963021690			M2190953	9311963023380
7/16	14	9.4							M2191111	9311963021782
1/2	13	10.8	M2161270	9311963011769	M2171270	9311963020136			M2191270	9311963017754
5/8	11	13.5							M2191588	9311963027142
7/8	9	19.5			M2172223	9311963027012				
1	8	22.2			M2172540	9311963032245				
UNF (Unified National Fine)			M220		M221		M222		M223	
1/4	28	5.5							M2230635	9311963018928
5/16	24	6.9	M2200794	9311963017600	M2210794	9311963025148				
3/8	24	8.5					M2220953	9311963010724		
7/16	20	9.8	M2201111	9311963013060						
9/16	18	12.8	M2201429	9311963015446	M2211429	9311963023328				
5/8	18	14.5	M2201588	9311963018836	M2211588	9311963029559	M2221588	9311963018843		
1	12	23.5					M2222540	9311963017624		

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

Taps Carbon, Bulk – BSW



Made from Tungsten Chrome Alloy.

Carbon Taps – Not suitable for precision, safety or critical threads. General purpose / DIY use only. Straight flutes are designed for tapping into materials where chips break-up readily and present no disposal problems, particularly in through-hole tapping. Straight flute taps are only suitable for hand operations, tapping up to 1-1/2 x diameter.

Set comprises 1 each – Taper, Intermediate and Bottoming.

Tap Cut

A variety of leads are available to suit various requirements

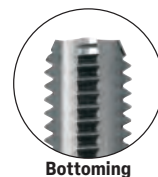
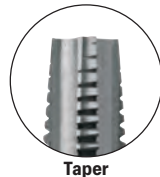


Square Shank
For hard threading work in a variety of materials

TCA
Made from Tungsten Chrome Alloy

Straight Flutes
Suitable for through hole tapping

- Application**
- DIY
 - Trade
 - Automotive
 - Plumbing
 - Metalworking
 - MRO



Set of 3

Size	TPI	Drill Ø	Item #	Barcode	Item #	Barcode	Item #	Barcode	Item #	Barcode
BSW (British Standard Whitworth)			M224		M225		M226		M227	
1/8	40	2.55			M2250318	9311963032320	M2260318	9311963014586		
5/32	32 WHIT	3.2	M2240397	9311963012391	M2250397	9311963011318	M2260397	9311963010328	M2270397	9311963029719
3/16	24	3.7	M2240476	9311963004013					M2270476	9311963011790
1/4	20	5.1			M2250635	9311963013664	M2260635	9311963005188	M2270635	9311963013091
5/16	18	6.5							M2270794	9311963018935
3/8	16	7.9	M2240953	9311963007533	M2250953	9311963021737	M2260953	9311963007854	M2270953	9311963018942
9/16	12	12.1	M2241429	9311963025162			M2261429	9311963035963		
5/8	11	13.5					M2261588	9311963014593		
1	8	22					M2262540	9311963023359		

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

Taps Carbon, Bulk – G, RC, NPT



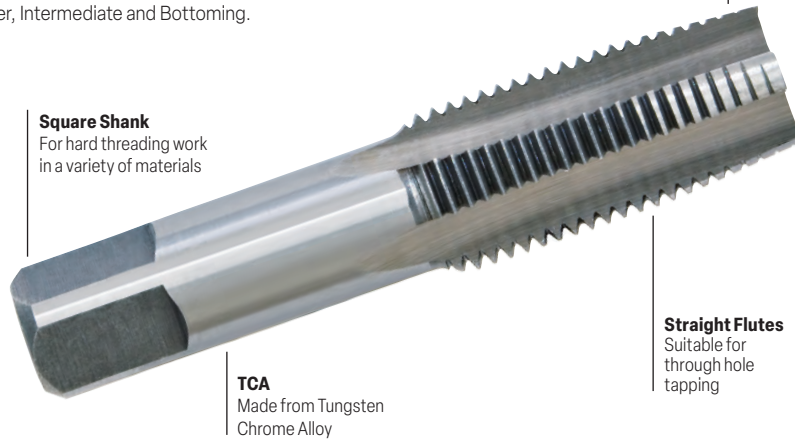
Made from Tungsten Chrome Alloy.

Cuts internal threads in pipes and are ideal for pipe fittings. General purpose/DIY use only. These carbon taps are not suitable for precision, safety or critical threads.

Set comprises 1 each – Taper, Intermediate and Bottoming.

Tap Cut

A variety of leads are available to suit various requirements



Square Shank

For hard threading work in a variety of materials

TCA

Made from Tungsten Chrome Alloy

Straight Flutes

Suitable for through hole tapping

Application

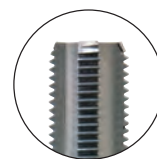
- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO



Taper



Intermediate



Bottoming

Set of 3

Size	TPI	Drill Ø	Item #	Barcode	Item #	Barcode	Item #	Barcode	Item #	Barcode
BSPF (G Series - British Std Pipe Fitting)			M240		M241		M242		M243	
1/8	28	8.8			M2410973	9311963010731	M2420973	9311963012407	M2430973	9311963086354
1/4	19	11.8	M2401316	9311963014609	M2411316	9311963011783	M2421316	9311963010748	M2431316	9311963086361
3/8	19	15.3			M2411666	9311963018881			M2431666	9311963086378
1/2	14	19	M2402096	9311963020181						
5/8	14	21	M2402291	9311963036243	M2412291	9311963040615				
3/4	14	24.5	M2402644	9311963020198	M2412644	9311963021751	M2422644	9311963017709		
1	11	31			M2413325	9311963020204	M2423325	9311963032610		
BSPT (Rc Series - British Std Pipe Taper)							M244			
1/8	28	8.4					M2440973	9311963013077		
1/4	19	10.8					M2441316	9311963017716		
3/8	19	14.5					M2441666	9311963020211		
1/2	14	18					M2442096	9311963018898		
3/4	14	23					M2442644	9311963032634		
1	11	29					M2443325	9311963018904		
NPT (National Pipe Taper) 15° Chamfer							M245			
1/8	27	8.4					M2451029	9311963017723		
1/4	18	10.8					M2451372	9311963016443		
3/8	18	14.5					M2451715	9311963017730		
1/2	14	18					M2452134	9311963027098		
1-1/4	11-1/2	38					M2454216	9311963040691		
2	11-1/2	55					M2456033	9311963036311		

Taper Tap Used when material is difficult to work (alloy steel) and recommended for small diameter threads.

Intermediate Tap Assists in aligning and starting the tap into an untapped hole.

Bottoming Tap Offering a continuous cutting edge with almost no taper, it's usually used to cut threads to the bottom of a blind hole.

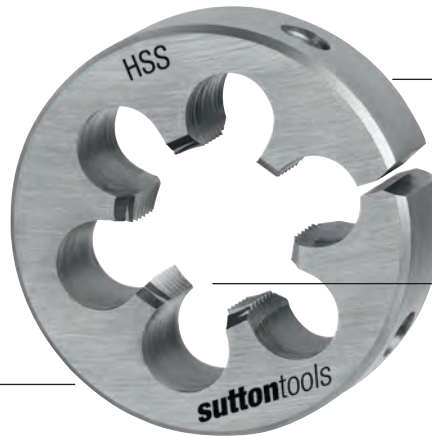
Dies HSS, Button Dies – Metric & Metric Fine



Button Dies are used for cutting a new male/external thread on studs. Made from High Speed Steel. Suitable for cleaning existing threads in tough applications. Produce more accurate threads than carbon dies.



High Speed Steel
For longer tool life



Split Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a precise thread

Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO



1"



1-1/2"



2"

Size	Pitch	Item #	Barcode	Item #	Barcode	Item #	Barcode
Metric ISO Coarse		M551				M552	
M2	0.4	M5510200	9311963593647				
M3	0.5	M5510300	9311963593654				
M4	0.7	M5510400	9311963593661				
M5	0.8	M5510500	9311963593678				
M6	1.0	M5510600	9311963593685				
M8	1.25	M5510800	9311963593692				
M10	1.5	M5511000	9311963593708				
M12	1.75	M5511200	9311963593715			M5521200	9311963593722
M14	2.0					M5521400	9311963593739
M16	2.0					M5521600	9311963593746
M18	2.5					M5521800	9311963593753
M20	2.5					M5522000	9311963593760
M22	2.5					M5522200	9311963593777
M24	3.0					M5522400	9311963593784
Metric Fine		M554		M555		M556	
MF8	1.0	M5540805	9311963593876				
MF10	1.0	M5541005	9311963593883				
MF10	1.25	M5541006	9311963593890				
MF12	1.25	M5541206	9311963593906				
MF12	1.5	M5541207	9311963593913				
MF14	1.0			M5551405	9311963593920		
MF14	1.25			M5551406	9311963593937		
MF14	1.5			M5551407	9311963593944		
MF16	1.0			M5551605	9311963593951		
MF16	1.5			M5551607	9311963593968		
MF20	1.5					M5562007	9311963593975
MF25	1.5					M5562507	9311963594002

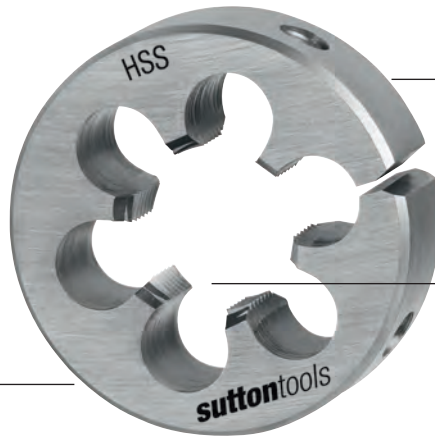
Dies HSS, Button Dies – UNC, UNF & BSPF



Button Dies are used for cutting a new male/external thread on studs.
Made from High Speed Steel. Suitable for cleaning existing threads in tough applications. Produce more accurate threads than carbon dies.



High Speed Steel
For longer tool life



Split Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a precise thread

Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO



1"



2"

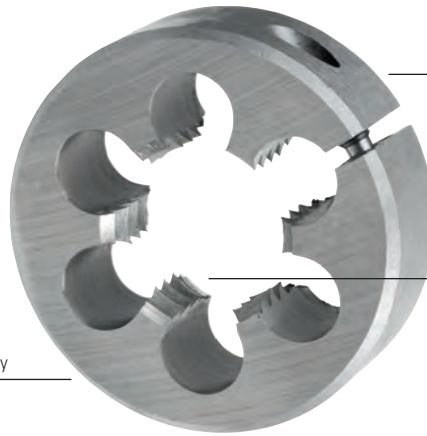
Size	TPI	Item #	Barcode	Item #	Barcode
UNC (Unified National Course)		M561		M562	
#6	32	M5610351	9311963594019		
1/4	20	M5610635	9311963594057		
5/16	18	M5610794	9311963594064		
3/8	16	M5610953	9311963594071		
7/16	14	M5611111	9311963594088		
1/2	13	M5611270	9311963594095	M5621270	9311963594101
5/8	11			M5621588	9311963594118
3/4	10			M5621905	9311963594125
UNF (Unified National Fine)		M564		M565	
1/4	28	M5640635	9311963594279		
5/16	24	M5640794	9311963594286		
3/8	24	M5640953	9311963594293		
1/2	20	M5641270	9311963594316		
9/16	18			M5651429	9311963594323
5/8	18			M5651588	9311963594330
3/4	16			M5651905	9311963594347
1"	12			M5652540	9311963594361
BSPF (British Standard Pipe)				M570	
5/8	14			M5702291	9311963594576

Dies Carbon, Button Dies – Metric & Metric Fine



Button Dies are used for cutting a new male/external thread on studs.

Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Split Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a general purpose thread

Carbon Alloy Steel
Suitable for general purpose / DIY use only

Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO

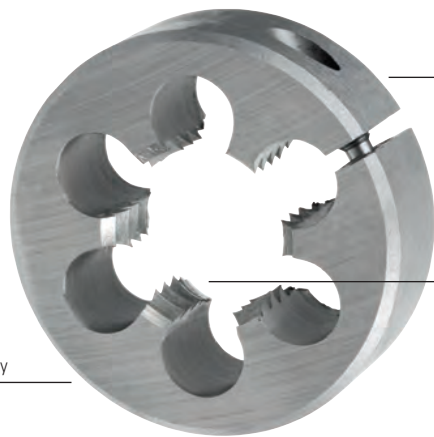


Size	Pitch	Item #	Barcode	Item #	Barcode	Item #	Barcode
Metric ISO Coarse		M400		M401		M402	
M2	0.4	M4000200	9311963025230				
M3	0.5	M4000300	9311963018966				
M3.5	0.6	M4000350	9311963040875				
M4	0.7	M4000400	9311963016481				
M5	0.8	M4000500	9311963007274				
M6	1.0	M4000600	9311963007540				
M7	1.0	M4000700	9311963029740				
M8	1.25	M4000800	9311963007861	M4010800	9311963011806		
M10	1.5	M4001000	9311963009971	M4011000	9311963010755		
M11	1.5	M4001100	9311963032665				
M12	1.75	M4001200	9311963020273	M4011200	9311963021829	M4021200	9311963011813
M14	2.0			M4011400	9311963040899		
M16	2.0					M4021600	9311963006505
M18	2.5					M4021800	9311963029757
M20	2.5					M4022000	9311963012414
M24	3.0					M4022400	9311963016498
Metric Fine		M403		M404		M405	
MF8	1.0	M4030805	9311963023410				
MF10	1.25	M4031006	9311963020280	M4041006	9311963020297		
MF12	1.25	M4031206	9311963025247	M4041206	9311963023427	M4051206	9311963040929
MF12*	1.5	M4031207	9311963027173	M4041207	9311963027180	M4051207	9311963036472
MF14	1.25			M4041406	9311963081724		
MF14	1.5			M4041407	9311963025254	M4051407	9311963023434
MF16	1.5					M4051607	9311963013701
MF18	1.5					M4051807	9311963020303
MF20	1.5					M4052007	9311963020310
MF22	1.5					M4052207	9311963081397
MF24	2.0					M4052408	9311963081403
Metric Conduit							
MF16	1.5					M4051607	9311963013701
MF20	1.5					M4052007	9311963020310
Metric Spark Plug							
MF12	1.25	M4031206	9311963025247	M4041206	9311963023427	M4051206	9311963040929
MF14	1.25			M4041406	9311963081724		
MF18	1.5					M4051807	9311963020303

Dies Carbon, Button Dies – UNC, UNF & BSW



Button Dies are used for cutting a new male/external thread on studs.
Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Split Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a general purpose thread

Carbon Alloy Steel
Suitable for general purpose / DIY use only

Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO



Size	TPI	Item #	Barcode	Item #	Barcode	Item #	Barcode
UNC (Unified National Coarse)		M412		M413		M414	
#5	40	M4120318	9311963027197				
#8	32	M4120417	9311963018973				
#10	24	M4120483	9311963025261				
1/4	20	M4120635	9311963021836				
5/16	18	M4120794	9311963016511	M4130794	9311963025292		
3/8	16	M4120953	9311963018980	M4130953	9311963023458		
7/16	14	M4121111	9311963020327	M4131111	9311963027203		
1/2	13	M4121270	9311963023441	M4131270	9311963020334	M4141270	9311963018997
9/16	12					M4141429	9311963036489
5/8	11			M4131588	9311963020341	M4141588	9311963019000
3/4	10					M4141905	9311963019017
7/8	9					M4142223	9311963027210
1	8					M4142540	9311963025308
UNF (Unified National Fine)		M415		M416		M417	
#5	44	M4150318	9311963040943				
#6	40	M4150351	9311963040950				
#8	36	M4150417	9311963050997				
#10	32	M4150483	9311963021843				
3/16	32 UNS	M4150476	9311963015514				
1/4	28	M4150635	9311963014623				
5/16	24	M4150794	9311963010359	M4160794	9311963014647		
3/8	24	M4150953	9311963016528				
7/16	20	M4151111	9311963014630	M4161111	9311963019024		
1/2	20	M4151270	9311963021850	M4161270	9311963013107		
9/16	18			M4161429	9311963025315	M4171429	9311963025322
5/8	18			M4161588	9311963013718		
3/4	16					M4171905	9311963006512
BSW (British Standard Whitworth)		M418				M420	
1/8	40	M4180318	9311963021867				
5/32	32 WHIT	M4180397	9311963021874				
3/16	24	M4180476	9311963029771				
1/4	20	M4180635	9311963014661				
5/16	18	M4180794	9311963012421				
3/8	16	M4180953	9311963021881				
1/2	12	M4181270	9311963021898				
1	8					M4202540	9311963016535

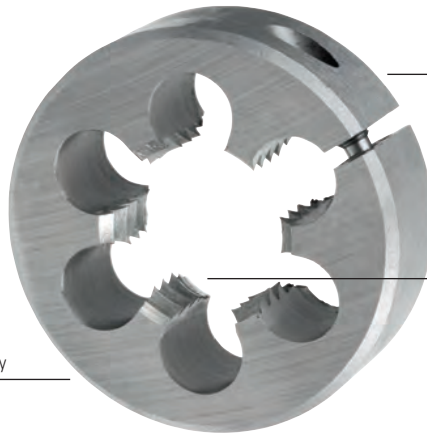
Dies Carbon, Button Dies – RC & NPT (Taper)



Button Dies are used for cutting a new male/external thread on studs.
Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Carbon Alloy Steel
Suitable for general purpose / DIY use only



Split Round Die
Fits into adjustable guide or plain die stock handle

Cutting Teeth
Provide a general purpose thread

Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO



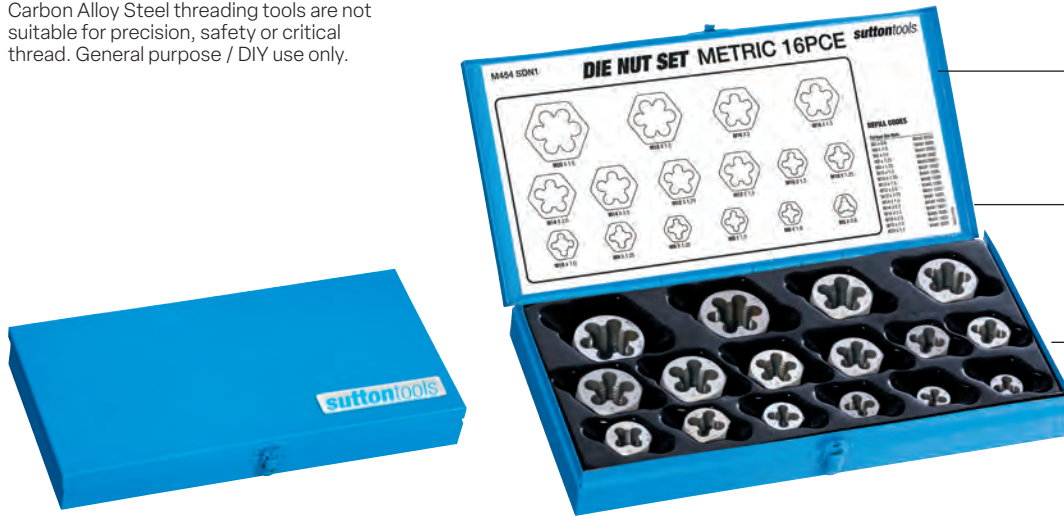
Size	TPI	Item #	Barcode
Rc Series - BSPT (British Standard Pipe Taper)		M438	
1/8	28	M4380973	9311963025377
1/4	19	M4381316	9311963029849
3/8	19	M4381666	9311963025384
1/2	14	M4382096	9311963021928
3/4	14	M4382644	9311963020365
NPT (National Pipe Taper)		M429	
1/8	27	M4291029	9311963021935
1/4	18	M4291372	9311963016566
3/8	18	M4291715	9311963023502
1/2	14	M4292134	9311963029856
3/4	14	M4292667	9311963029863

Dies Carbon, Die Nut Sets



Die Nut – for cleaning and resizing existing damaged threads.

Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Layout Chart
Quickly and easily identifies location of items

Metal Case
Solid construction, ideal for storage and transportation of your tools

Slim Line Design
Fits comfortably into tool chest, drawers and work bench

Set	Contents	Pieces	Item #	Barcode
				M454
Metric	5 x 0.8, 6 x 1, 8 x 1, 8 x 1.25, 9 x 1.25, 10 x 1, 10 x 1.25, 10 x 1.5, 12 x 1.75, 12 x 1.5, 14 x 1.5, 14 x 2, 16 x 1.5, 16 x 2, 18 x 1.5, 20 x 1.5mm	16	M454SDN1	9311963032832
BSW	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10	M454SDN2	9311963051185
UNC	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10	M454SDN3	9311963032849
UNF	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10	M454SDN4	9311963032856



M454SDN1



M454SDN2



M454SDN3



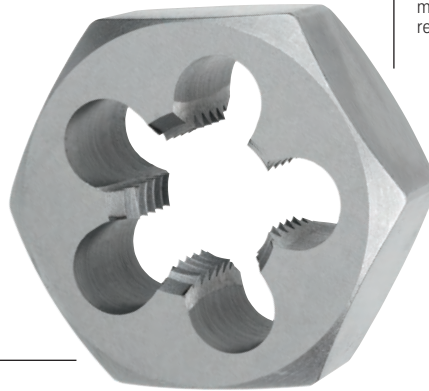
M454SDN4

Dies Carbon, Die Nuts – Metric & Metric Fine



Die Nuts are designed for cleaning and resizing existing damaged threads.

Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Hexagon Die
Best suited for maintenance and repair work

Limited Space
Die can be used with a wrench or socket



Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO

Size	Pitch	AF	Blister		Box	
			Item #	Barcode	Item #	Barcode
Metric ISO Coarse			M440		M440	
M5	0.8	18	M4400500	9311963017815		
M6	1.0	18	M4400600	9311963011851		
M7	1.0	18	M4400700	9311963032740		
M8	1.25	21	M4400800	9311963009988		
M10	1.5	23.5	M4401000	9311963023526		
M12	1.75	28	M4401200	9311963010762		
M14	2.0	33	M4401400	9311963029887		
M16	2.0	33	M4401600	9311963013756		
M18	2.5	37.5	M4401800	9311963051086		
M20	2.5	37.5			M4402000	9311963021942
M22	2.5	42.5			M4402200	9311963036588
M24	3.0	52			M4402400	9311963023533
M30	3.5	56.5			M4403000	9311963020372
M36	4.0	70			M4403600	9311963041100
Metric Fine			M441		M441	
MF8	1.0	21	M4410805	9311963029894		
MF10	1.0	23.5	M4411005	9311963025407		
MF10	1.25	23.5	M4411006	9311963015521		
MF12	1.25	28	M4411206	9311963013763		
MF12*	1.5	28	M4411207	9311963011868		
MF14	1.5	33	M4411407	9311963021959		
MF16	1.5	33	M4411607	9311963029900		
MF18	1.5	37.5	M4411807	9311963029917		
MF20	1.5	37.5			M4412007	9311963027272
Metric Conduit						
MF16	1.5	33	M4411607	9311963029900		
MF20	1.5	37.5			M4412007	9311963027272
Metric Spark Plug						
MF10	1.0	23.5	M4411005	9311963025407		
MF12	1.25	28	M4411206	9311963013763		
MF18	1.5	37.5	M4411807	9311963029917		

*Alternative Metric Fine

Dies Carbon, Die Nuts – UNC & UNF

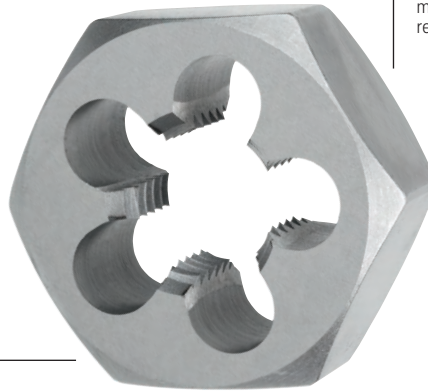


Die Nuts are designed for cleaning and resizing existing damaged threads.

Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Limited Space
Die can be used with a wrench or socket



Hexagon Die
Best suited for maintenance and repair work

Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO

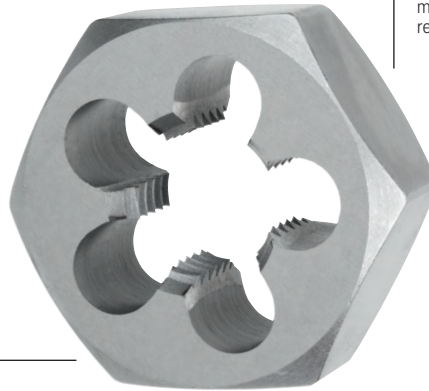
Size	Pitch	AF	Blister		Box	
			Item #	Barcode	Item #	Barcode
UNC (Unified National Coarse)			M445		M445	
1/4	20	18	M4450635	9311963025414		
5/16	18	21	M4450794	9311963016597		
3/8	16	23.5	M4450953	9311963013770		
7/16	14	25.5	M4451111	9311963014692		
1/2	13	28	M4451270	9311963013138		
9/16	12	33	M4451429	9311963027289		
5/8	11	33	M4451588	9311963023540		
3/4	10	37.5	M4451905	9311963027296		
7/8	9	42.5			M4452223	9311963025421
1	8	52			M4452540	9311963027302
UNF (Unified National Fine)			M446		M446	
3/16	32 UNS	18	M4460476	9311963016610		
1/4	28	18	M4460635	9311963016603		
5/16	24	21	M4460794	9311963012445		
3/8	24	23.5	M4460953	9311963011356		
7/16	20	25.5	M4461111	9311963011363		
1/2	20	28	M4461270	9311963011875		
9/16	18	33	M4461429	9311963020389		
5/8	18	33	M4461588	9311963010779		
3/4	16	37.5	M4461905	9311963010786		
7/8	14	42.5			M4462223	9311963021966
1	12	52			M4462540	9311963015538
1	14 UNS	52			M4462541	9311963019093
1-1/4	12	56.5			M4463175	9311963023557
1-1/2	12	70			M4463810	9311963041117

Dies Carbon, Die Nuts – BSW, BSF & G



Die Nuts are designed for cleaning and resizing existing damaged threads.

Carbon Alloy Steel threading tools are not suitable for precision, safety or critical thread. General purpose / DIY use only.



Hexagon Die
Best suited for maintenance and repair work

Limited Space
Die can be used with a wrench or socket



Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO

Size	TPI	AF	Blister		Box	
			Item #	Barcode	Item #	Barcode
BSW (British Standard Whitworth)			M447		M447	
1/8	40	18	M4470318	9311963036601		
5/32	32	18	M4470397	9311963029924		
3/16	24	18	M4470476	9311963021973		
1/4	20	18	M4470635	9311963023564		
5/16	18	21	M4470794	9311963025438		
3/8	16	23.5	M4470953	9311963009131		
7/16	14	25.5	M4471111	9311963025445		
1/2	12	28	M4471270	9311963013787		
9/16	12	33	M4471429	9311963032764		
5/8	11	33	M4471588	9311963021980		
3/4	10	37.5	M4471905	9311963021997		
7/8	9	42.5			M4472223	9311963032771
1	8	52			M4472540	9311963027319
1-3/4	5	80			M4474445	9311963051109
BSF (British Standard Fine)			M448		M448	
3/16	32	18	M4480476	9311963036618		
1/4	26	18	M4480635	9311963025452		
5/16	22	21	M4480794	9311963027333		
3/8	20	23.5	M4480953	9311963029931		
7/16	18	25.5	M4481111	9311963025469		
1/2	16	28	M4481270	9311963032788		
3/4	12	37.5	M4481905	9311963041148		
7/8	11	42.5				
1	10	52			M4482540	9311963029955
G Series - BSPF (British Standard Pipe Fitting)			M452		M452	
1/8	28	23.5	M4520973	9311963022000		
1/4	19	28	M4521316	9311963020396		
3/8	19	33	M4521666	9311963027340		
1/2	14	42.5	M4522096	9311963032795		
3/4	14	52			M4522644	9311963032801
1	11	65.5			M4523325	9311963029962

Tap & Die Sets HSS



Available in a selection of modular set configurations, in both metric and imperial.

Tools are manufactured from high speed steel which is suitable for general purpose/DIY use only. Not suitable for precision, safety or critical threads.



M551M18



M561NC18



M564NF18

Set	Contents	Tap Wrench	Button Die Holders	Pieces	Item #	Barcode
Metric Intermediate Taps 1" Button Dies	M3 x 0.5, M4 x 0.7, M5 x 0.8, M6 x 1.0, M8 x 1.25, M10 x 1.5, M12 x 1.75 Bonus Thread Pitch Gauge	#1.5 Bar Type	1"	17	M551M18	9311963596662
UNC Intermediate Taps 1" Button Dies	#8, #10, 1/4, 5/16, 3/8, 7/16, 1/2 Bonus Thread Pitch Gauge	#1.5 Bar Type	1"	17	M561NC18	9311963596679
UNF Intermediate Taps 1" Button Dies	#8, #10, 1/4, 5/16, 3/8, 7/16, 1/2 Bonus Thread Pitch Gauge	#1.5 Bar Type	1"	17	M564NF18	9311963596686



The SKC Tap & Die sets include 110 pieces and is manufactured from professional quality alloy steel. Packed in a metal storage carry case. Made in Japan.

Each set contains:

- Taper & Bottoming taps (70 pieces)
- Dies for each size (35 pieces)
- Dies stocks - 1" & 1-1/2" o/d
- Tap wrenches - 1.6 - 6mm, 5 - 20mm
- T-type tap wrench - 1.6 - 6mm



363960010



363960015



363960020

Set	Contents	Pieces	Item #
Metric	M2-M18 Coarse & Fine Thread	110	363960010
SAE/Metric	C, FM, UNC, UNF, Pipe Metric	110	363960015
WSF (BS/UNI)	BSW, BSF, UNF, UNC & Pipe Combination Thread	110	363960020

Tap & Die Sets Carbon



Available in a selection of modular set configurations, in both metric and imperial.

Tools are manufactured from carbon alloy steel which are suitable for general purpose/DIY use only. Not suitable for precision, safety or critical threads.



Layout Chart
Quickly and easily identifies location of items

Metal Case
Solid construction, ideal for storage and transportation of your tools

Slim Line Design
Fits comfortably into tool chest, drawers and work bench

Set	Contents	Tap Wrench	Button Die Holders	Pieces	Item #	Barcode
M500						
T&D-1 Metric Intermediate Taps 1" Button Dies	Packaging: Foam M3 x 0.5, M4 x 0.7, M5 x 0.8, M6 x 1, M8 x 1.25, M10 x 1.5, M12 x 1.75mm	#1 Bar Type	1"	16	M500M16	9311963333410
TD12 Metric Taper Taps Bottoming Taps 1" Button Dies	M6 x 1, M8 x 1.25, M10 x 1.5, M12 x 1.75, M14 x 2", M16 x 2", M18 x 2.5", M20 x 2.5mm*, M22 x 2.5", M24 x 3*mm, Bonus Thread Pitch Gauge	#1 & #4 Bar Type	1" & 2"	35	M500M35	9311963027371
SCTD9 Metric Coarse/Fine Taper Taps Bottoming Taps 1" Button Dies Intermediate Taps	M6 x 1, M7 x 1, M8 x 1.25, M10 x 1.5, M12 x 1.75, MF8 x 1, MF10 x 1.25, MF12 x 1.5, M14 x 2", M16 x 2", M18 x 2.5", MF14 x 1.5", MF16 x 1.5", MF18 x 1.5mm*, Bonus Thread Pitch Gauge M14 x 1.25mm	#3 Bar Type	1" & 2"	47	M500MMF47	9311963027395
SCTD1 UNC/UNF Taper Taps Bottoming Taps 1" Button Dies	UNC & UNF 1/4, 5/16, 3/8, 7/16, 1/2", 9/16", 5/8", 3/4mm", Bonus Thread Pitch Gauge	#3 Bar Type	1" & 2"	52	M500NCF52	9311963019123



M500M16



M500M35



M500MMF47



M500NCF52

*Button Dies for these sizes have 2 inch outer diameter

Tap & Die Sets Carbon



Manufactured from carbon alloy steel.

Bright finish suitable for general purpose applications and DIY use in non-ferrous metals and plastics.

Not suitable for precision, safety or critical threads.



Set	Contents	Tap Wrench	Button Die Holders	Pieces	Item #	Barcode
40 Pce Metric Tap & Die Set	M2 x 0.4, M2.5 x 0.45, M3 x 0.5, M3.5 x 0.6, M4 x 0.7, M4.5 x 0.75, M5 x 0.8, M6 x 1.0, M7 x 0.75, M7 x 1.0, M8 x 1.0, M8 x 1.25, M10 x 1.25, M10 x 1.5, M12 x 1.5, M12 x 1.75, 1/8 BSPT 28, Screwdriver & Screw Pitch Gauge	T & Bar Type Tap Wrench	1"	40	166044650	9311744446506

Threading Screw Extractor Set



Designed to remove broken studs, bolts, socket screws and fittings.

Suitable for metal working applications.

Square Shank.



Description	Contents	Pieces	Item #	Barcode
6 Pce Screw Extractor Set	#1, #2, #3, #4, #5 & #2 X-OUT	6	166044679	9311744446940

Threading DIY Range



T-Type – Useful for holding taps, reamers and other small tools to be turned by hand.



92196



92200*



92198



92202*



394098025

Application
DIY

Description	Size	Pieces	Item #	Barcode
Hand Taps				
Tap Set – Metric	Intermediate Taps: M5 x 0.8, M6 x 1.0, M8 x 1.25	3	92196	9312621921963
Tap Set – Imperial	Intermediate Taps: 5/16, 1/4, 3/16"	3	92197	9312621921970
Tap Wrench 1/4"	Suitable for M3 – M6	1	92200*	9312621922007
Tap Wrench 1/2"	Suitable for M6 – M12	1	92201*	9312621922014
Button Dies				
1" Button Die – Metric	M5 x 0.8, M6 x 1.0, M8 x 1.25	3	92198	9312621921987
1" Button Die – Imperial	UNC 3/16", 1/4", 5/16"	3	92199	9312621921994
Button Die Holder	1" Die Holder	1	92202*	9312621922021
Tap & Die Sets				
Tap & Die Set – Metric				
Taps – Intermediate & 1" Button Dies:	M2 x 0.4, M2.5 x 0.45, M3 x 0.5, M3.5 x 0.6, M4 x 0.7, M4.5 x 0.75, M5 x 0.8, M6 x 1.0, M7 x 0.75, M7 x 1.0, M8 x 1.0, M8 x 1.25, M10 x 1.25, M10 x 1.5, M12 x 1.5, M12 x 1.75, 1/8 BSPT 28	40	394098025	9311963396828
Tap Wrenches:	T & Bar Type Tap Wrench			
Button Die Holder:	1" Die Holder			
Bonus:	Screw pitch gauge & Screwdriver			
Tap & Die Set – Imperial				
UNC Taps – Intermediate & 1" Button Dies:	4 - 40, 6 - 32, 8 - 32, 10 - 24, 12 - 24, 1/4 - 20, 5/16 - 18, 3/8 - 16, 7/16 - 14, 1/2 - 13	40	394098026	9311963414577
UNF Taps – Intermediate & 1" Button Dies:	10 - 32, 1/4 - 28, 5/16 - 24, 3/8 - 24, 7/16 - 20, 1/2 - 20			
NPT Taps – Intermediate & 1" Button Dies:	1/8 - 27			
Tap Wrenches:	T & Bar Type Tap Wrench			
Button Die Holder:	1" Die Holder			
Bonus:	Screw pitch gauge & Screwdriver			

Threading Screw Extractor Set



For removing broken screws and bolts.



Description	Screw / Bolt Size	Pieces	Item #	Barcode
5 Pce Screw Extractor Set	3 - 6, 6 - 8, 8 - 11, 11 - 14, 14 - 18mm bolts	5	92369	9312621923691

*Not available once current stock is depleted

Threading Tap Wrenches & Die Holders



T-Type – Useful for holding taps, reamers and other small tools to be turned by hand.

T-Type Precision – The ‘Ratchet’ style tap wrench offers additional functionality with its adjustable handle and two-way ratchet action.



T-Bar
For increases leverage and control

Ratchet Mechanism
Offers additional functionality and precision

Knurled Nut
Adjusts and tightens by turning

Reach
Designed to reach jobs inaccessible with bar pattern tap wrench

Application

- DIY
- Trade
- Automotive
- Plumbing
- Metalworking
- MRO

Size	mm	Range	inch	Carded / Blister / Vinyl Item #	Barcode	Box Item #	Barcode
T-Type Tap Wrenches				M901			
M6	M3 – M6	1/8 – 1/4		M9010635	93829618		
M12	M6 – M12	1/4 – 1/2		M9011270	93829625		
Set (M6 & M12)	M3 – M12	1/8 – 1/2				M9010002	9311963553726
Precision T-Type Ratchet Tap Wrenches				M903			
M6	1/4	M3 – M6	1/8 – 1/4	M9030635	9311963006826		
M12	1/2	M6 – M12	1/4 – 1/2	M9031270	9311963006536		
Bar Type Tap Wrenches				M908		M908	
#0	M1–M8	1/16 – 5/16		M9080108	9311963632940		
#1	M1–M10	1/16–3/8		M9080110	9311963632957		
#1.5	M1–M12	1/16–1/2		M9080112	9311963632964		
#2	M4–M12	5/32–1/2		M9080412	9311963632971		
#3	M5–M20	7/32–3/4		M9080520	9311963632988		
#4	M9–M27	3/8–1		M9080927	9311963632995		
#5	M12–M33	1/2–1 1/4				M9081233	9311963633008
#6	M18–M42	3/4–1 5/8				M9081842	9311963633015
Button Die Holders				M907		M906	
1"				M9072540	93829656		
1-1/2"						M9063810	9311963005027
2"						M9065180	9311963007892
2-1/2" (D0204)						M9066350	9311963594675

Bar Type Tap Wrench

Constructed to withstand the torque applied during the tapping operation



Button Die Holders

Incorporates taper screws which allows the user to make minor adjustments to the button die, ensuring accurate thread size



Threading Screw Extractors

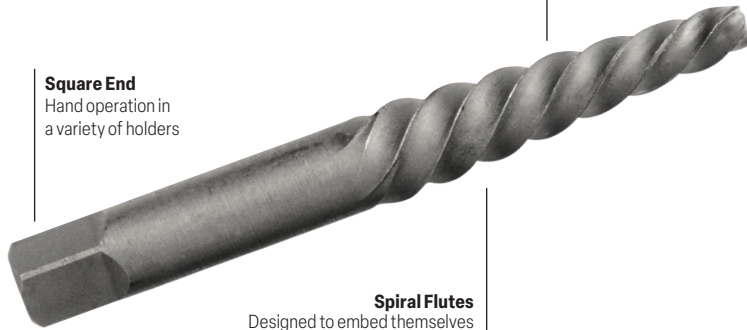


Designed to remove broken studs, bolts, socket screws and fittings. Made from chrome steel.

Aggressive Left Hand Spiral
For extra gripping power



Square End
Hand operation in a variety of holders



Spiral Flutes
Designed to embed themselves deeper, therefore as fastener resistance increases the extractor's grip increases

Application

- DIY
- Trade
- Automotive
- Plumbing
- Machine Shop
- MRO

Size	Drill Size	Screw / Bolt Size Range		Pieces	Order Qty	Item #	Barcode
		Metric	Imperial				
Carded							
#1	2.0	M4 - M5	5/32 - 3/16	1	1	M6000001	0000093829663
#2	3.0	M6 - M8	7/32 - 1/4	1	1	M6000002	0000093829670
#3	4.0	M8 - M10	5/16 - 3/8	1	1	M6000003	0000093829687
#4	5.5	M10 - M14	3/8 - 1/2	1	1	M6000004	0000093829694
#5	7.5	M14 - M20	9/16 - 3/4	1	1	M6000005	0000093829700
Bulk Pack							
#3	4.0	M8 - M10	5/16 - 3/8	1	5	M6010003	9311963007038
#4	5.5	M10 - M14	3/8 - 1/2	1	5	M6010004	9311963008233
#6	10.5	M20 - M27	7/8 - 1	1	1	M6010006	9311963072227
#7	13.5	M27 - M36	1 - 1-1/2	1	1	M6010007	9311963072234
#8	20.0	M36 - M48	1-3/8 - 1-3/4	1	1	M6010008	9311963072241
#9	27.0	M48 - M56	1-3/4 - 2-1/8	1	1	M6010009	9311963072258
Screw Extractor & Drill Sets							
#1	2.0	M4 - M5	5/32 - 3/16	2	1	M6020001	9311963344348
#2	3.0	M6 - M8	7/32 - 1/4	2	1	M6020002	9311963344355
#3	4.0	M8 - M10	5/16 - 3/8	2	1	M6020003	9311963344362
#4	5.5	M10 - M14	3/8 - 1/2	2	1	M6020004	9311963344379
#5	7.5	M14 - M20	9/16 - 3/4	2	1	M6020005	9311963344386
Screw Extractor Sets							
S15	#1 - #5 Screw Extractor			5	1	M603S15	9311963003191
S15A	#1 - #6 Screw Extractor			6	1	M603S15A	9311963004105
S20	#1 - #5 Screw Extractor Combination Drill Set Includes jobber drills: 2.0, 3.0, 4.0, 5.5, 7.5mm			10	1	M603S20	9311963075747
S20L	#1 - #5 Screw Extractor Combination Drill Set Includes left hand cobalt jobber drills: 2.0, 3.0, 4.0, 5.5, 7.5mm			10	1	M603S20L	9311963600956
Left Hand Cobalt Jobber Drills See Drills Section							D202



M6020001



M603S15

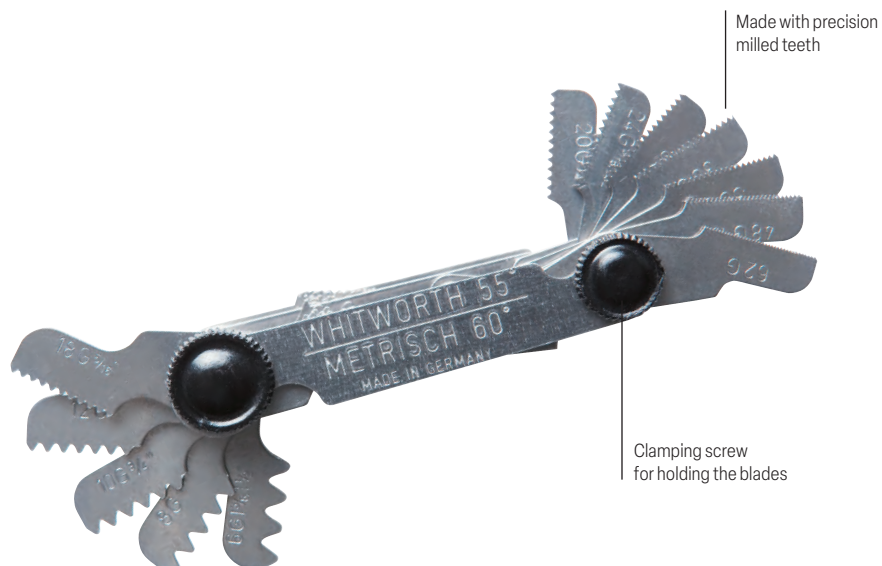


D2020750

Threading Thread Gauges



For measuring the pitch of external and internal threads.



Description	Size	Blades	Item #	Barcode
Metric (60°) & Whitworth (55°)	0.25 – 6.0mm & 4 – 62 TPI	52	268MW0052	9311744436026
UNC (60°)	4 – 64 TPI	22	268UNC022	9311744436033
UNF (60°)	12 – 80 TPI	16	268UNF016	9311744436040

USE

Use of a suitable lubricant or cutting compound is necessary on most tapping operations. The type of lubricant as well as the method of application is often of extreme importance and can be responsible for the success or failure of a tapping operation.

RECOMMENDATION

Better results can sometimes be obtained by the use of one of the many modified or specialised lubricants recommended by cutting oil specialists. The general principle is to have more EP (Extreme Pressure) additives added with the degree of difficulty, usually hardness increase. Oils stick, and improve frictional properties essential in tapping tough applications.

APPLICATION

Proper application of the lubricant is just as important as the type used. To be effective, ample quantities of lubricant must reach the chamfer or cutting portion of the tap during the entire tapping operation. In many cases, the lubricant must also aid in controlling or disposing of the chips

FLOW

The flow of lubricant should be directed into the hole rather than at the tap and should have sufficient pressure to wash the chips away from the hole as much as possible. Also, if the flow is not continuous, it should start before the tap enters the hole and continue until the tap is completely reversed out of the hole. In this way, ample oil is provided at the start of the cut and loose chips will be suspended in the oil so that they do not interfere with the tap backing out of the hole. On machines where the work revolves and the tap is stationary, it is desirable to use several streams of lubricant on opposite sides of the tap, especially on horizontal tapping.

CLEANLINESS

Tapping lubricants must always be clean. If filter equipment is not used, the lubricant must be replaced periodically to eliminate fine chips, grit and foreign matter that accumulate in the tank. Also, it is very important that the piping and tank are thoroughly flushed and cleaned before filling with new lubricant. The dilution of lubricants often changes during use so that additions may be necessary to maintain the recommended proportion of active materials.

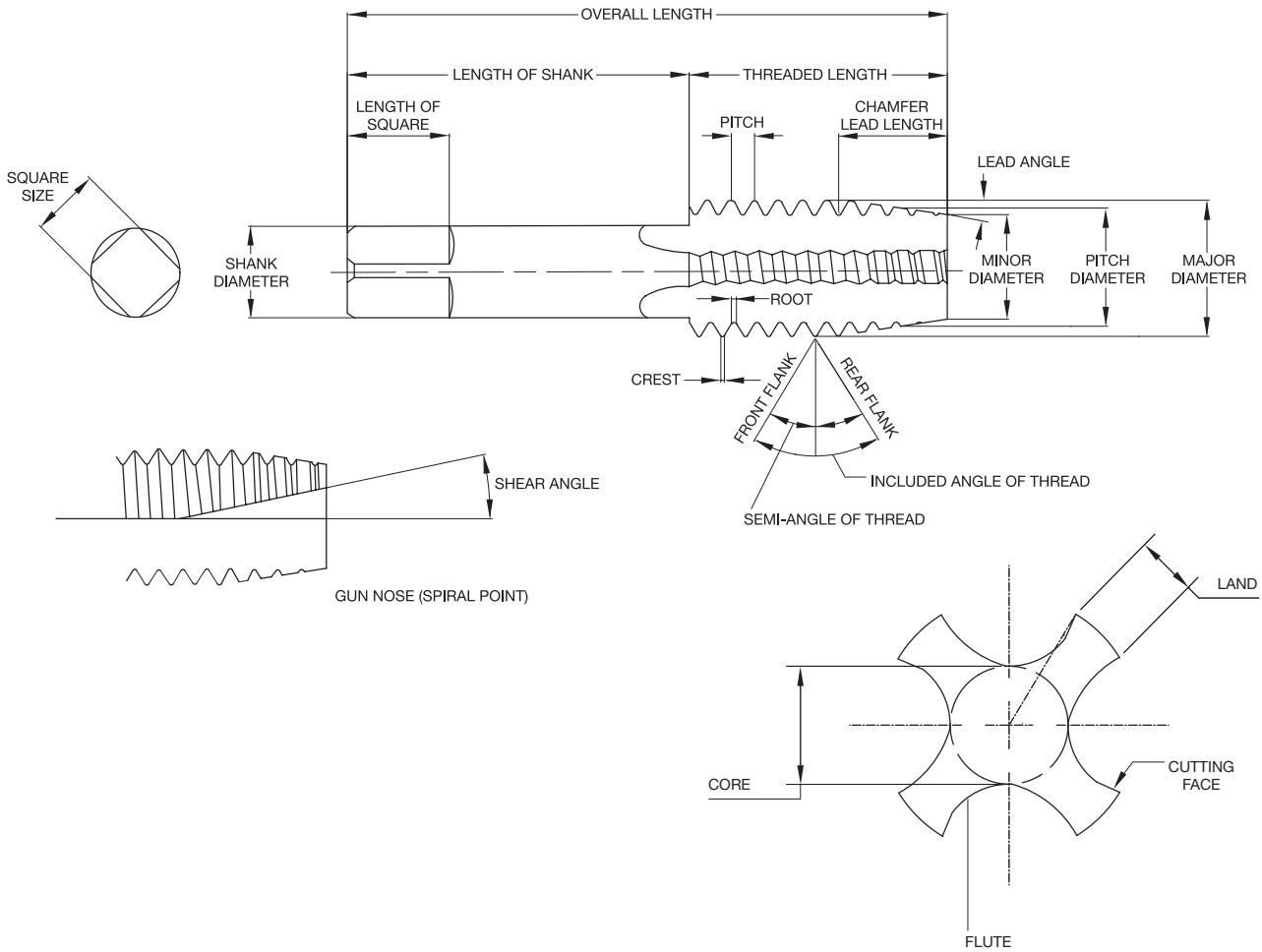
TAPPING DRILL

The tapping drill hole diameter should be drilled as large as possible, within the respective fitting just under the upper permissible dimension of the tolerance. If the tapping drill hole diameter is too small, then this will cause the thread root diameter (minor diameter) to cut the material. This should be avoided, because the small chips which derive from the root of thread, clog the normal chip flow and rip pieces of material out of the finished thread. Consequently, the tap is overloaded and often breaks because of the high torque. Another problem which occurs in certain materials due to thread root diameter cutting, is when a chip-bulge has been formed around the root radius.

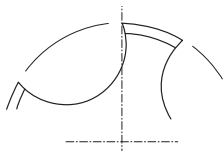
The minor diameter of the tap is clogged with small chips, which leads to a clamping of the tool teeth are ripped out, which leads to tool breakage. It is therefore, necessary that the material which is to be tapped, be taken into account when determining the tap hole diameter. Typical materials which do not squeeze or clamp are iron, brass and bronze and materials which squeeze are steels, steel castings and malleable steels. The tap cuts more economically, when the tap drill hole diameter is within the upper range of the permissible tolerance.

Warning: When drilling holes in materials which tend to work harden, care is needed to ensure the drills are sharp otherwise tap life is decreased.

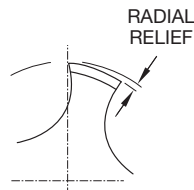
THREAD TYPE	FORMULA	EXAMPLE
Metric (ISO)	Drill Size = Nom. Tap Dia. in mm - Pitch	M6 x 1 = 5.00mm drill
Whitworth Form Threads (inch calculation)	Drill Size = Nom. Tap Dia. - $\frac{1.28}{TPI}$ x of thread depth	1/4 BSW 75% thread required: Drill Size = $.250 \frac{1.28}{20} \times \frac{75}{100} = .250 - .048$ Therefore Drill Size = .202 Nearest Standard Dill = .2007 inch
Unified Form Threads (inch calculation)	Drill Size = Nom. Tap Dia. - $\frac{1.28}{TPI}$ x of thread depth	1/4 BSW 75% thread required: Drill Size = $.250 \frac{1.30}{20} \times \frac{75}{100} = .250 - .049$ Therefore Drill Size = .201 Nearest Standard Dill = 5.1mm = .2007 inch



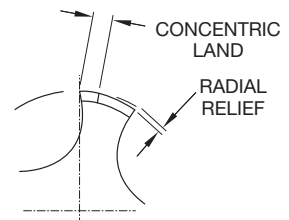
THREAD RELIEF TYPES



CONCENTRIC THREADS
(No radial relief)

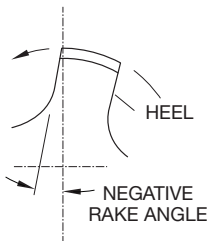


ECCENTRIC THREADS
(Relieved to cutting edge)

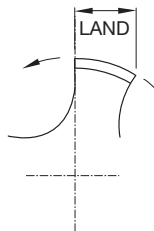


CON-ECCENTRIC THREADS
(Relieved to a land)

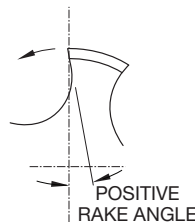
CUTTING FACES



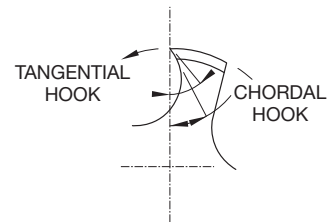
NEGATIVE RAKE



RADIAL RAKE



POSITIVE RAKE



HOOK



THREAD REPAIR

- Recoil® Kits • Spark Plug Kits • Range Kits • Wire Thread Inserts
- Tapper Inserts • Keyserts • Insert Taps • Installation Tools

THREAD REPAIR

Recoil® Thread Repair Index

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- 253 **Thread Repair** Recoil® Wire Thread Inserts

Thread Repair Recoil® Kits



Everything you need for complete thread repair in one handy case. Trade Series kits include only the best quality HSS taps which make them suitable for aluminium, magnesium, cast iron and most machinable steels.

Contents:

- HSS Drill Bit*
- HSS Intermediate STI Tap
- Thread Inserts
- Installation Tool
- Magnetic Tang Removal Tool*
- Installation Instructions

* Included only on sizes M2 -M12 & #2-1/2"



TRADE SERIES



ORIGINAL SERIES
Supplied in metal tin

Size	Pitch	Insert Qty	Type	Item #	Barcode
Metric - Coarse					
M2	0.4	15	Trade Series	RC35028	020317350285
M2.2	0.45	15	Trade Series	RC35018	020317350186
M2.5	0.45	15	Trade Series	RC35258	020317352586
M3	0.5	15	Trade Series	RC35038	020317350384
M4	0.7	15	Trade Series	RC35048	020317350483
M5	0.8	15	Trade Series	RC35058	020317350582
M6	1	15	Trade Series	RC35068	020317350681
M7	1	15	Trade Series	RC35078	020317350780
M8	1.25	15	Trade Series	RC35088	020317350889
M9	1.25	15	Trade Series	RC35098	020317350988
M10	1.5	10	Trade Series	RC35108	020317351084
M11	1.5	10	Trade Series	RC35118	020317351183
M12	1.75	10	Trade Series	RC35128	020317351282
M14	2	6	Trade Series	RC35148	020317351480
M16	2	6	Trade Series	RC35168	020317351688
M18	2.5	6	Trade Series	RC35188	020317351886
M20	2.5	6	Trade Series	RC35208	020317352081
M22	2.5	5	Original Series	RC35220	020317352203
M24	3	5	Original Series	RC35240	020317352401
M27	3	5	Original Series	RC35270	020317352708
M30	3	5	Original Series	RC35300-3	020317831951
Metric - Medium					
M10	1.25	10	Trade Series	RC37108	020317371082
M12	1.5	10	Trade Series	RC37128	020317371280
M14	1.5	6	Trade Series	RC37148	020317371488
M16	1.5	6	Trade Series	RC37168	020317371686
M20	2	6	Trade Series	RC37208	020317372089
M24	2	5	Original Series	RC37240	020317372409
M30	2	5	Original Series	RC37300	020317373000
Metric - Extra Fine					
M10	1	15	Trade Series	RC38108	020317381081
M11	1	10	Trade Series	RC38118	020317381180
M12	1.25	10	Trade Series	RC38128	020317381289
M14	1.25	6	Trade Series	RC38148-1	020317902408
M18	1.5	6	Trade Series	RC38188-1	020317905041
M20	1.5	5	Trade Series	RC38208	020317382088
M22	1.5	5	Original Series	RC38220	020317382200
M24	1.5	5	Original Series	RC38240	020317382408

Size	Pitch	Insert Qty	Type	Item #	Barcode
UNC					
UNC #4	40	15	Trade Series	RC33548	020317335480
UNC #5	40	15	Trade Series	RC33558	020317335589
UNC #6	32	15	Trade Series	RC33568	020317335688
UNC #8	32	15	Trade Series	RC33588	020317335886
UNC #10	24	15	Trade Series	RC33608	020317336081
UNC #12	24	15	Trade Series	RC33628	020317336289
UNC 1/4	20	15	Trade Series	RC33048	020317330485
UNC 5/16	18	15	Trade Series	RC33058	020317330584
UNC 3/8	16	15	Trade Series	RC33068	020317330683
UNC 7/16	14	10	Trade Series	RC33078	020317330782
UNC 1/2	13	10	Trade Series	RC33088	020317330881
UNC 9/16	12	6	Trade Series	RC33098	020317330980
UNC 5/8	11	6	Trade Series	RC33108	020317331086
UNC 11/16	11	5	Original Series	RC33110	020317331109
UNC 3/4	10	6	Trade Series	RC33128	020317331284
UNC 7/8	9	5	Original Series	RC33140	020317331406
UNC 1"	8	5	Original Series	RC33160	020317331604
UNC 1-3/8	6	5	Original Series	RC33200	020317332007
UNC 1-1/2	6	4	Original Series	RC33240	020317332403
UNF					
UNF #4*	48	15	Trade Series	RC34548	020317345489
UNF #8*	36	15	Trade Series	RC34588	020317345885
UNF #10*	32	15	Trade Series	RC34608	020317346080
UNF 1/4*	28	15	Trade Series	RC34048	020317340484
UNF 5/16*	24	15	Trade Series	RC34058	020317340583
UNF 3/8*	24	15	Trade Series	RC34068	020317340682
UNF 7/16*	20	10	Trade Series	RC34078	020317340781
UNF 1/2*	20	10	Trade Series	RC34088	020317340880
UNF 9/16	18	6	Trade Series	RC34098	020317340989
UNF 5/8	18	6	Trade Series	RC34108	020317341085
UNF 3/4	16	6	Trade Series	RC34128	020317341283
UNF 7/8	14	5	Original Series	RC34140	020317341405
UNF 1"	12	5	Original Series	RC34160	020317341603

*Drill & Magnetic Tangbreak Tool included
Additional Thread Repair Kit sizes are available - please enquire if your size is not listed here.

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* Included only on sizes M2 -M12 & #2-1/2"



TRADE SERIES



ORIGINAL SERIES
Supplied in metal tin

Size	Pitch	Insert Qty	Type	Item #	Barcode
BSW					
BSW 1/8*	40	15	Trade Series	RC32028	020317320288
BSW 3/16*	24	15	Trade Series	RC32038	020317320387
BSW 1/4*	20	15	Trade Series	RC32048	020317320486
BSW 5/16*	18	15	Trade Series	RC32058	020317320585
BSW 3/8*	16	10	Trade Series	RC32068	020317320684
BSW 1/2*	12	10	Trade Series	RC32088	020317320882
BSW 5/8	11	6	Trade Series	RC32108	020317321087
BSW 1"	8	5	Original Series	RC32160	020317321605
BSF					
BSF 3/16*	32	15	Trade Series	RC30038	020317300389
BSF 1/4*	26	15	Trade Series	RC30048	020317300488
BSF 5/16*	22	15	Trade Series	RC30058	020317300587
BSF 3/8*	20	10	Trade Series	RC30068	020317300686
BSF 1/2*	16	10	Trade Series	RC30088	020317300884
BSC					
BSC 5/16*	26	15	Trade Series	RC36508	020317365081
BSC 3/8*	26	10	Trade Series	RC36608	020317366088
BSC 7/16*	26	10	Trade Series	RC36708	020317367085

Size	Pitch	Insert Qty	Type	Item #	Barcode
BSP					
BSP 1/8*	28	10	Trade Series	RC31028	020317310289
BSP 1/4	19	6	Trade Series	RC31048	020317310487
BSP 3/8	19	6	Trade Series	RC31068	020317310685
BSP 1/2	14	5	Original Series	RC31080	020317310807
BSP 5/8	14	5	Original Series	RC31100	020317311002
BSP 1"	11	5	Original Series	RC31160	020317311606
NPT					
NPT 1/8*	27	10	Trade Series	RC36028	020317360284
NPT 1/4	18	10	Trade Series	RC36048	020317360482
NPT 3/8	18	6	Trade Series	RC36068	020317360680
NPT 1/2	14	5	Original Series	RC36080	020317360802
UNEF 1/4	32	10	Original Series	RC34040-32	

*Drill & Magnetic Tangbreak Tool included
Additional Thread Repair Kit sizes are available - please enquire if your size is not listed here.

Thread Repair Recoil® Spark Plug Kits



Recoils Spark Plug thread repair kits enable you to carry out fast and efficient repair of damaged or stripped threads.

Recoil inserts are rolled from high quality stainless steel wire with a diamond shaped cross section, wound to the shape of a spring thread.



Size	Contents	Insert Qty	Type	Item #	Barcode
Spark Plug Kits					
M10-1	10 x M10-1 x 1.5D inserts & includes Hand Tool, Pilot Nose Tap & Magnetic Tangbreak Tool	10	Trade Series	RC38108-2	020317901449
M12-1.25	5 x M12-1.25 x 1D, & 1.5D inserts & includes Hand Tool, Pilot Nose Tap & Magnetic Tangbreak Tool	10	Trade Series	RC38120-2	020317901432
M14-1.25	5 x 3/4", & 3/8" Spark Plug Inserts, Installation Tool, Pilot Nose Tap & Extracting Tool	10	Original Series	RC38140	020317381401
M14-1.25	5 x 3/4", & 3/8" Spark Plug Inserts	10	Trade Series	RC38148-2	020317897780
M18-1.5	M18-1.5 x 1/2" long inserts, Installation Tool & Pilot Nose Tap	4	Trade Series	RC38188	020317381883
M14-1.25	3 x 8.4, 3 x 12.4 & 3 x 16.4mm inserts, Installation Tool & Pilot Nose Tap	4	Original Series	RC38147	020317381470
Plug Saver Kit					
M14-1.25	M14-1.25 SPK 2 x inserts of each length 1/2, 3/8 & 3/4, M14-1.25 Plug Saver Tap & Expander			RC38148	020317381487

Thread Repair Recoil® Range Kits



Recoil® Range Kits contain a selection of Recoil's® most popular sizes. It provides you with an all-in-one workshop solution for multi-diameter thread repairs. It's ideal for garages and other workshops where thread repairs are often undertaken.

Standard Kit Contents:

- Drill Bit*
- HSS Intermediate STI Taps
- Quantity of inserts 1.5D length
- Combo Tap Drive and Installation Tool*
- Magnetic Tang Break Tool*
- Installation Instructions

*Kit contents differ depending on thread form and diameters.



Type	Contents	Sizes Per Kit	Item #	Barcode
Metric	M4, 5, 6, 8-1.25, 10-1.5	5	RC35003R	020317899838
Metric	M6, 8-1.25, 10-1.5, 12-1.75, 16-2	5	RC35005R	020317899852
BSC/Brass	1/4, 5/16, 3/8, 7/16, 1/2	5	RC36001R	020317899913
UNC	1/4, 5/16, 3/8, 7/16, 1/2	5	RC33004R	020317899814
UNF	1/4, 5/16, 3/8, 7/16, 1/2	5	RC34004R	020317899821
Crank Kit	1 each - left & right hand, 5 x 9/16-20x1/2" left hand inserts, 5 x 9/16-20x1/2" right hand inserts, installation tool	2	RC34096-20	020317831685

Thread Repair Recoil® Wire Thread Inserts



Recoil® helically wound wire thread inserts can be used to strengthen threads, giving applications a longer life. With a Recoil® insert installed, a more even distribution of load and stress can be achieved. Each insert sharing the load over the entire bolt and hole, improving holding or pull out resistance. Recoil® inserts are made of type 304 stainless steel wire rolled into a diamond shape cross-section.



Size	Insert Qty	Item #	Barcode
Metric - Coarse			
M3-0.5 x 1D	10	RC25032	020317250325
M4-0.7 x 1D	10	RC25042	020317250424
M5-0.8 x 1D	10	RC25052	020317250523
M6-1 x 1D	10	RC25062	020317250622
M8-1.25 x 1D	10	RC25082	020317250820
M10-1.5 x 1D	10	RC25102	020317251025
M12-1.75 x 1D	10	RC25122	020317251223
M14-2 x 1D	5	RC25142	020317251421
M16-2 x 1D	5	RC25162	020317251629
M18-2.5 x 1D	5	RC25182	020317251827
M2-0.4 x 1.5D	10	RC25023	020317250233
M2.5-0.45 x 1.5D	10	RC25253	020317252534
M3-0.5 x 1.5D	10	RC25033	020317250332
M3.5-0.6 x 1.5D	10	RC25353	020317253531
M4-0.7 x 1.5D	10	RC25043	020317250431
M5-0.8 x 1.5D	10	RC25053	020317250530
M6-1 x 1.5D	10	RC25063	020317250639
M7-1 x 1.5D	10	RC25073	020317250738
M8-1.25 x 1.5D	10	RC25083	020317250837
M9-1.25 x 1.5D	10	RC25093	020317250936
M10-1.5 x 1.5D	10	RC25103	020317251032
M11-1.5 x 1.5D	10	RC25113	020317251131
M12-1.75 x 1.5D	10	RC25123	020317251230
M14-2 x 1.5D	5	RC25143	020317251438
M15-2 x 1.5D	5	RC25153	020317251537
M16-2 x 1.5D	5	RC25163	020317251636
M18-2.5 x 1.5D	5	RC25183	020317251834
M20-2.5 x 1.5D	5	RC25203	020317252039
M22-2.5 x 1.5D	3	RC25223	020317252237
M24-3 x 1.5D	3	RC25243	020317252435
M30-3.5 x 1.5D	1	RC25303	020317253036
M2-0.4 x 2D	10	RC25024	020317250240
M3-0.5 x 2D	10	RC25034	020317250349
M4-0.7 x 2D	10	RC25044	020317250448
M5-0.8 x 2D	10	RC25054	020317250547
M6-1 x 2D	10	RC25064	020317250646
M8-1.25 x 2D	10	RC25084	020317250844
M10-1.5 x 2D	10	RC25104	020317251049
M12-1.75 x 2D	10	RC25124	020317251247
M14-2 x 2D	5	RC25144	020317251445
M16-2 x 2D	5	RC25164	020317251643
M6-1.0 x 2.5D	10	RC25065	020317250653
M8-1.25 x 2.5D	10	RC25085	020317250851
M10-1.5 x 2.5D	10	RC25105	020317251056
M16-2 x 2.5D	5	RC25165	020317251650

Size	Insert Qty	Item #	Barcode
Metric - Medium			
M8-1 x 1D	10	RC27082	020317270828
M10-1.25 x 1D	10	RC27102	020317271023
M12-1.5 x 1D	10	RC27122	020317271221
M16-1.5 x 1D	5	RC27162	020317271627
M8-1 x 1.5D	10	RC27083	020317270835
M10-1.25 x 1.5D	10	RC27103	020317271030
M11-1.25 x 1.5D	10	RC27113	020317271139
M12-1.5 x 1.5D	10	RC27123	020317271238
M13-1.5 x 1.5D	5	RC27133	020317271337
M14-1.5 x 1.5D	5	RC27143	020317271436
M15-1.5 x 1.5D	5	RC27153	020317271535
M16-1.5 x 1.5D	5	RC27163	020317271634
M18-2 x 1.5D	5	RC27183	020317271832
M20-2 x 1.5D	5	RC27203	020317272037
M24-2 x 1.5D	3	RC27243	020317272433
M8-1 x 2D	10	RC27084	020317270842
M10-1.25 x 2D	10	RC27104	020317271047
M12-1.5 x 2D	10	RC27124	020317271245
M14-1.5 x 2D	5	RC27144	020317271443
M16-1.5 x 2.5D	5	RC27165	020317271658
M10-1.25 x 3D	10	RC27106	020317271061
Metric - Extra Fine			
M11-1 x 1.5D	10	RC28113	020317281138
M12-1.25 x 1/2	10	RC28122	020317281220
M12-1.25 x 1.5D	10	RC28123	020317281237
M12-1.25 x 2D	10	RC28124	020317281244
M13-1.25 x 1.5D	5	RC28133	020317281336
M18-1.5 x 1.5D	5	RC28183	020317281831
M20-1.5 x 1.5D	5	RC28203	020317282036
M22-1.5 x 1.5D	3	RC28223	020317282234
M24-1.5 x 1.5D	3	RC28243	020317282432
Spark Plug			
M10-1 x 1.50	10	RC28103	020317281039
M14-1.25 x 3/4"	10	RC28140	020317281404
M14-1.25 x 3/8"	10	RC28148	020317281480
M14-1.25 x 1/2"	10	RC28149	020317281497

Thread Repair Recoil® Wire Thread Inserts



Recoil® helically wound wire thread inserts can be used to strengthen threads, giving applications a longer life. With a Recoil® insert installed, a more even distribution of load and stress can be achieved. Each insert sharing the load over the entire bolt and hole, improving holding or pull out resistance. Recoil® inserts are made of type 304 stainless steel wire rolled into a diamond shape cross-section.



Size	Insert Qty	Item #	Barcode
UNC			
UNC 5/8-11 x 1D	5	RC23102	020317231027
UNC #2-56 x 1.5D	10	RC23523	020317235230
UNC #3-48 x 1.5D	10	RC23533	020317235339
UNC #4-40 x 1.5D	10	RC23543	020317235438
UNC #6-32 x 1.5D	10	RC23563	020317235636
UNC #8-32 x 1.5D	10	RC23583	020317235834
UNC #10-24 x 1.5D	10	RC23603	020317236039
UNC #12-24 x 1.5D	10	RC23623	020317236237
UNC 1/4-20 x 1.5D	10	RC23043	020317230433
UNC 5/16-18 x 1.5D	10	RC23053	020317230532
UNC 3/8-16 x 1.5D	10	RC23063	020317230631
UNC 7/16-14 x 1.5D	10	RC23073	020317230730
UNC 1/2-13 x 1.5D	10	RC23083	020317230839
UNC 9/16-12 x 1.5D	5	RC23093	020317230938
UNC 5/8-11 x 1.5D	5	RC23103	020317231034
UNC11/16-11 x 1.5D	5	RC23113	020317231133
UNC 3/4-10 x 1.5D	5	RC23123	020317231232
UNC 7/8-9 x 1.5D	3	RC23143	020317231430
UNC 1"-8 x 1.5D	3	RC23163	020317231638
UNC 1.1/4-7 x 1.5D	1	RC23203	020317232031
UNC 1.3/8-6 x 1.5D	1	RC23223	020317232239
UNC 7/16-14 x 2D	10	RC23074	020317230747
UNC 1/2-13 x 2D	10	RC23084	020317230846
UNF			
UNF #4-48 x 1.5D	10	RC24543	020317245437
UNF #10-32 x 1.5D	10	RC24603	020317246038
UNF #12-28 x 1.5D	10	RC24623	020317246236
UNF 1/4-28 x 1.5D	10	RC24043	020317240432
UNF 5/16-24 x 1.5D	10	RC24053	020317240531
UNF 5/16-24 x 2D	10	RC24054	020317240548
UNF 3/8-24 x 1.5D	10	RC24063	020317240630
UNF 7/16-20 x 1.5D	10	RC24073	020317240739
UNF 1/2-20 x 1.5D	10	RC24083	020317240838
UNF 9/16-18 x 1.5D	5	RC24093	020317240937
UNF 5/8-18 x 1.5D	5	RC24103	020317241033
UNF 3/4-16 x 1.5D	5	RC24123	020317241231
UNF 7/8-14 x 1.5D	3	RC24143	020317241439
UNF 1-12 x 1.5D	3	RC24163	020317241637
UNF 1"-14 x 1.5D	3	RC24163-14	020317826919
UNF 1.1/8-12 x 1.5D	1	RC24183	020317241835
UNF 1.1/4-12 x 1.5D	1	RC24203	020317242030
UNF 1.1/2-12 x 1.5D	1	RC24243	020317242436

Size	Insert Qty	Item #	Barcode
BSW			
BSW 1/8-40 x 1.5D	10	RC22023	020317220236
BSW 3/16-24 x 1.5D	10	RC22033	020317220335
BSW 1/4-20 x 1.5D	10	RC22043	020317220434
BSW 5/16-18 x 1.5D	10	RC22053	020317220533
BSW 3/8-16 x 1.5D	10	RC22063	020317220632
BSW 7/16-14 x 1.5D	10	RC22073	020317220731
BSW 1/2-12 x 1.5D	10	RC22083	020317220830
BA			
2BA x 1.5D	10	RC20523	020317205233
6BA x 1.5D	10	RC20563	020317205639
BSF			
BSF 5/16-22 x 1.5D	10	RC20053	020317200535
BSF 3/8-20 x 1.5D	10	RC20063	020317200634
BSF 7/16-18 x 1.5D	10	RC20073	020317200733
BSF 1/2-16 x 1.5D	10	RC20083	020317200832
NPT			
NPT 1/8-17 x 1.5D	10	RC26023	020317260232
NPT 3/8-18 x 1.5D	10	RC26063	020317260638
BSP			
BSP 1/8-28 x 1.5D	10	RC21023	020317210237
BSP 1/4-19 x 1.5D	10	RC21043	020317210435
BSP 3/8-15 x 1.5D	10	RC21063	020317210633
BSP 1/2-14 x 1.5D	5	RC21083	020317210831
BSP 3/4-14 x 1.5D	5	RC21123	020317211234
BSP 1-11 x 1.5D	3	RC21163	020317211630
BSC			
BSC 5/16-26 x 1.5D	10	RC26503	020317265039
BSC 1/2-26 x 1.5D	10	RC26803	020317268030
FREE RUNNING TANGED - BULK			
M30-3.5 x 2D	10	RC05304	020317053049
BSW 5/8-11 x 2D	50	RC02104	020317021048
UNC 5/32-32 x 1.5D	100	RC03585	020317035854
SCREW LOCKING TANGED - BULK			
UNF 1/4-28 x 2D	100	RC14044	020317140442

Additional Thread Repair Kit sizes are available - please enquire if your size is not listed here.

Thread Repair Recoil® Ensat® Tapper Inserts

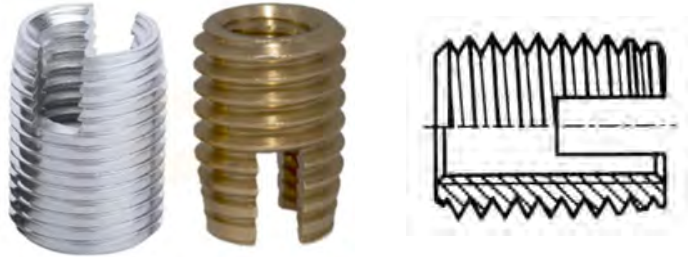


Ensats® is a self-tapping threaded insert with external and internal thread, cutting slots or cutting bores.

A continuous process of further development has brought about a number of major improvements to product characteristics.

The Ensats® is used throughout the whole of the metal and plastics processing industry.

Ensats® is ideally suited for the fast repair of torn and damaged threads. The same screw size can be used again.



Internal Thread	External Thread* mm	Length mm	Item #	Barcode
Metric - 302 Series Standard tapper for metals, wood and plastics. Steel, case hardened, zinc plated.				
M3-0.5	5	6	RC3020030/16	020317830398
M4-0.7	6.5	8	RC3020040/16	020317830442
M5-0.8	8	10	RC3020050/16	020317830466
M6-1	10	14	RC3020060/16	020317902286
M6-1	9	12	RC3020061/16	020317871667
M8-1.25	12	15	RC3020080/16	020317830572
M10-1.5	14	18	RC3020100/16	020317830626
M10-1.25	14	18	RC3020106/16	020317830640
M12-1.75	16	22	RC3020120/16	020317830664
M12-1.5	16	22	RC3020127/16	020317830701
M14-2	18	24	RC3020140/16	020317830718
M16-2	20	22	RC3020160/16	020317830732
M20-2.5	26	27	RC3020200/16	020317830763
M14-1.25 x 9mm Spark Plug Only			RC3040140/16	020317831029
M14-1.25 x 15mm			RC3040141/16	020317831036
UNC - 302 Series Standard tapper for metals & plastics (short version). Steel, case hardened, zinc plated yellow chromated.				
UNC #8-32	6.5	8	RC3020608/16	
UNC 1/4-20	10	14	RC3020625/16	020317830794
UNC 5/16-18	12	15	RC3020631/16	020317830817
UNC 3/8-16	14	18	RC3020637/16	020317830824
UNC 7/16-14	16	22	RC3020644/16	020317830831
UNC 1/2-13	18	22	RC3020650/16	020317830848
UNC 5/8-11	20	22	RC3020662/16	020317830855
UNF - 302 Series Standard tapper for metals & plastics (short version). Steel, case hardened, zinc plated yellow chromated.				
UNF 1/4-28	10	14	RC3020725/16	020317830909
UNF 5/16-24	12	15	RC3020731/16	020317830916
UNF 3/8-24	14	18	RC3020737/16	020317830923
UNF 7/16-20	16	22	RC3020744/16	020317830930
UNF 5/8-18	20	22	RC3020762/16	
Metric - 302 40 Series Standard tapper for metals, wood and plastics. Stainless steel (304).				
M4-07	6.5	8	RC3020040/40	020317863181
M5-0.8	8	10	RC3020050/40	020317869978
M6-1	10	14	RC3020060/40	020317830510
M8-1.25	12	15	RC3020080/40	020317864881
M10-1.5	14	18	RC3020100/40	020317864867
M12-1.75	16	22	RC3020120/40	020317864874

*Note: External Thread - Tolerances (ISO 2768-m) in accordance with Works Standard 302.

Thread Repair Recoil® Keyserts



Keyserts are designed to repair damaged threads or for use in original equipment, and provide easy installation and versatility. Featuring a key-locking action that prevents rotation due to vibration or torsion, commercial grade Keyserts can be used in a wide range of materials and applications. Keyserts are available in carbon and stainless steel, and are supplied in thin wall and heavy duty styles.

Note: Keyserts are not recommended for use in brittle materials, such as cast iron or plastic.



Application

- Trucks, RV's
- Machinery
- Small Engines
- Moulds
- Tool & Die
- MRO Tasks

Internal Thread	External Thread	Drill Size	Pack Qty	Item #	Barcode
Carbon Steel Metric - Thinwall					
M6 - 1	M10 - 1.25	8.8	1	RCK75061	020317750610
M8 - 1.25	M12 - 1.25	10.8	1	RCK75081	020317750818
M10 - 1.5	M14 - 1.5	12.8	1	RCK75101	020317751013
M12 - 1.75	M16 - 1.5	14.75	1	RCK75121	020317751211
Carbon Steel Metric - Heavy Duty					
M4 - 0.7	M8 - 1.25	6.9	1	RCK75042	020317750429
M5 - 0.8	M10 - 1.25	8.8	1	RCK75052	020317750528
M6 - 1	M12 - 1.25	10.8	1	RCK75062	020317750627
M8 - 1.25	M14 - 1.5	12.8	1	RCK75082	020317750825
M10 - 1.25	M16 - 1.5	14.75	1	RCK77102	020317771028
M10 - 1.5	M16 - 1.5	14.75	1	RCK75102	020317751020
M12 - 1.25	M18 - 1.5	16.75	1	RCK78122	020317781225
M12 - 1.75	M18 - 1.5	16.75	1	RCK75122	020317751228
M14 - 2	M20 - 1.5	18.75	1	RCK75142	020317751426
M14 - 1.5	M20 - 1.5	18.75	1	RCK77142	020317771424
M16 - 2	M22 - 1.5	20.5	1	RCK75162	020317751624
M16 - 1.5	M22 - 1.5	20.5	1	RCK77162	020317771622
M18 - 1.5	M24 - 1.5	22.5	1	RCK78182	020317781829
M20 - 2.5	M30 - 2	28	1	RCK75202	020317752027
M24 - 3	M33 - 2	31	1	RCK75242	020317752423
Carbon Steel UNC - Thinwall					
5/16 - 18	1/2 - 13	29/64	1	RCK73051	020317730513
3/8 - 16	9/16 - 12	33/64	1	RCK73066	020317730667
Carbon Steel UNC - Heavy Duty					
1/4 - 20	7/16 - 14	X (.397")	1	RCK73042	020317730421
5/16 - 18	1/2 - 13	29/64	1	RCK73052	020317730520
3/8 - 16	9/16 - 12	33/64	1	RCK73062	020317730629
7/16 - 14	5/8 - 11	37/64	1	RCK73072	020317730728
1/2 - 13	3/4 - 16	45/64	1	RCK73082	020317730827
5/8 - 11	7/8 - 14	53/64	1	RCK73102	020317731022
3/4 - 10	1.1/8 - 12	Nov-16	1	RCK73122	020317731220
7/8 - 09	1.1/4 - 12	13/16	1	RCK73142	020317731428
1" - 8	1.3/8 - 12	15/16	1	RCK73162	020317731626
Carbon Steel UNF - Thinwall					
#10 - 32	5/16 - 18	1 (.272")	1	RCK74601	020317746019
Carbon Steel UNF - Heavy Duty					
5/16 - 24	1/2/13	29/64	1	RCK74052	020317740529
9/16 - 18	3/4/16	45/64	1	RCK74092	020317740925
5/8 - 18	7/8/14	53/64	1	RCK74102	020317741021
7/8 - 14	1.1/4 - 12	13/16	1	RCK74142	020317741427
1" - 12	1.3/8 - 12	15/16	1	RCK74162	020317741625

Thread Repair Recoil® Keyserts



Keyserts are designed to repair damaged threads or for use in original equipment, and provide easy installation and versatility. Featuring a key-locking action that prevents rotation due to vibration or torsion, commercial grade Keyserts can be used in a wide range of materials and applications. Keyserts are available in carbon and stainless steel, and are supplied in thin wall and heavy duty styles.

Note: Keyserts are not recommended for use in brittle materials, such as cast iron or plastic.

Application

- Trucks, RV's
- Machinery
- Small Engines
- Moulds
- Tool & Die
- MRO Tasks



Internal Thread	External Thread	Drill Size	Pack Qty	Item #	Barcode
Stainless Steel Metric - Thinwall					
M5 - 0.8	M8 - 1.25	6.9	1	RCK75056	020317750566
M6 - 1	M10 - 1.25	8.8	1	RCK75066	020317750665
M8 - 1.25	M12 - 1.25	10.8	1	RCK75086	020317750863
M10 - 1.25	M14 - 1.5	12.8	1	RCK77106	020317771066
M10 - 1.5	M14 - 1.5	12.8	1	RCK75106	020317751068
M12 - 1.25	M16 - 1.5	14.75	1	RCK78126	020317781263
M12 - 1.75	M16 - 1.5	14.75	1	RCK75126	020317751266
Stainless Steel Metric - Heavy Duty					
M4 - 0.7	M8 - 1.25	6.9	1	RCK75047	020317750474
M6 - 1	M12 - 1.25	10.8	1	RCK75067	020317750672
M8 - 1.25	M14 - 1.5	12.8	1	RCK75087	020317750870
M10 - 1.5	M16 - 1.5	14.75	1	RCK75107	020317751075
M16 - 2	M22 - 1.5	20.5	1	RCK75167	020317751679
Stainless Steel UNC - Thinwall					
7/16 - 14	9/16 - 12	33/64	1	RCK73076	020317730766
Stainless Steel UNF - Thinwall					
3/8 - 24	1/2/13	29/64	1	RCK74066	020317740666
1/2 - 20	5/8/11	37/64	1	RCK74086	020317740864
KEYSERT TOOL					
10-24,10-32, M5			1	RC72190	020317721900

Thread Repair Recoil® Insert Taps



Recoil® taps differ from standard taps dimensionally and only Recoil® Screw Thread Insert (STI) taps are suitable for use with Recoil® wire thread inserts. They have a larger diameter but the same pitch as a standard tap in order to accommodate the wire insert. Recoil® taps are available with taper, intermediate and bottoming leads.



Size	Type	Item #	Barcode
Metric - Coarse			
M5-0.8	Taper	RC45054	020317450541
M8-1.25	Taper	RC45084	020317450848
M10-1.5	Taper	RC45104	020317451043
M16-2	Taper	RC45164	020317451647
M3-0.5	Inter	RC45035	020317450350
M3.5-0.6	Inter	RC45355	020317453559
M4-0.7	Inter	RC45045	020317450459
M5-0.8	Inter	RC45055	020317450558
M6-1	Inter	RC45065	020317450657
M8-1.25	Inter	RC45085	020317450855
M10-1.5	Inter	RC45105	020317451050
M11-1.5	Inter	RC45115	020317451159
M12-1.75	Inter	RC45125	020317451258
M14-2	Inter	RC45145	020317451456
M15-2	Inter	RC45155	020317451555
M16-2	Inter	RC45165	020317451654
M20-2.5	Inter	RC45205	020317452057
M22-2.5	Inter	RC45225	020317452255
M4-0.7	Bottom	RC45046	020317450466
M5-0.8	Bottom	RC45056	020317450565
M6-1	Bottom	RC45066	020317450664
M7-1	Bottom	RC45076	020317450763
M8-1.25	Bottom	RC45086	020317450862
M10-1.5	Bottom	RC45106	020317451067
M12-1.75	Bottom	RC45126	020317451265
M2-0.4	Spiral Flute	RC45029	020317450299
M3-0.5	Spiral Flute	RC45039	020317450398
M4-0.7	Spiral Flute	RC45049	020317450497
M5-0.8	Spiral Flute	RC45059	020317450596
M6-1	Spiral Flute	RC45069	020317450695
M8-1.25	Spiral Flute	RC45089	020317450893
M10-1.5	Spiral Flute	RC45109	020317451098
M12-1.75	Spiral Flute	RC45129	020317451296
M16-2	Spiral Flute	RC45169	020317451692
Metric - Medium			
M8-1	Taper	RC47084	020317470846
M8-1	Inter	RC47085	020317470853
M10-1.25	Inter	RC47105	020317471058
M12-1.5	Inter	RC47125	020317471256
M14-1.5	Inter	RC47145	020317471454
M16-1.5	Inter	RC47165	020317471652
M14-1.5	Bottom	RC47146	020317471461
M10-1.25	Pilot Nose	RC47107	020317471072
Metric - Extra Fine			
M10-1	Inter	RC48105	020317481057
M12-1.25	Inter	RC48125	020317481255
M18-1.5	Inter	RC48185	020317481859
M20-1.5	Inter	RC48205	020317482054
M10-1	Bottom	RC48106	020317481064
M12-1.25	Bottom	RC48126	020317481262
M20-1.5	Bottom	RC48206	020317482061
M10-1	Pilot Nose	RC48107	020317481071
M14-1.25	Pilot Nose	RC48147	020317481477

Size	Type	Item #	Barcode
UNF			
UNF #10-32	Taper	RC44604	020317446049
UNF 7/16-20	Taper	RC44074	020317440740
UNF #10-32	Inter	RC44605	020317446056
UNF 1/4-28	Inter	RC44045	020317440450
UNF 5/16-24	Inter	RC44055	020317440559
UNF 3/8-24	Inter	RC44065	020317440658
UNF 1/2-20	Inter	RC44085	020317440856
UNF 9/16-18	Inter	RC44095	020317440955
UNF 3/4-16	Inter	RC44125	020317441259
UNF #10-32	Bottom	RC44606	020317446063
UNF 5/16-24	Bottom	RC44056	020317440566
UNF 1/4-28	Spiral Flute	RC44049	020317440498
UNC			
UNC 1/4-20	Taper	RC43044	020317430444
UNC 1/2-13	Taper	RC43084	020317430840
UNC 1"-8	Taper	RC43164	020317431649
UNC #4-40	Inter	RC43545	020317435456
UNC #6-32	Inter	RC43565	020317435654
UNC #8-32	Inter	RC43585	020317435852
UNC 1/4-20	Inter	RC43045	020317430451
UNC 5/16-18	Inter	RC43055	020317430550
UNC 3/8-16	Inter	RC43065	020317430659
UNC 7/16-14	Inter	RC43075	020317430758
UNC 1/2-13	Inter	RC43085	020317430857
UNC 5/8-11	Inter	RC43105	020317431052
UNC 3/4-10	Inter	RC43125	020317431250
UNC #6-32	Bottom	RC43566	020317435661
UNC #8-32	Bottom	RC43586	020317435869
UNC 5/16-18	Bottom	RC43056	020317430567
UNC 3/8-16	Bottom	RC43066	020317430666
UNC 7/16-14	Bottom	RC43076	020317430765
UNC 1/2-13	Bottom	RC43086	020317430864
UNC 1"-8	Bottom	RC43166	020317431663
UNC #8-32	Spiral Flute	RC43589	020317435890
UNC 1/4-20	Spiral Flute	RC43049	020317430499
UNC 5/16-18	Spiral Flute	RC43059	020317430598
UNC 3/8-16	Spiral Flute	RC43069	020317430697
BSW			
BSW 1/4-20	Inter	RC42045	020317420452
BSW 1/2-12	Inter	RC42085	020317420858

Thread Repair Recoil® Thread Gauge



Recoil® gauges measure the tapped hole to ensure optimum insert performance once installed. Thread gauging is recommended wherever precision threads are required. If the finished tapped hole gauges satisfactorily, the installed insert will be within the thread tolerance.



Description	Item #	Barcode
Thread Pitch Gauge - Metric (0.25-6.0) & Unified (4 - 42 V Thread)	RC69000	020317690008

Thread Repair Recoil® Re-Grip



This specially formulated silicon carbide solution assists with the quick and easy removal of broken or damaged bolts, screws and nuts by improving grip of wrenches, spanners and other tools.



Description	Item #	Barcode
Re-Grip 15ml Bottle	RCGRIP	020317111114

Thread Repair Recoil® Installation Tools



Manual Installation Tools

The manual installation tool is the most practical and simple to use for general applications. This tool may be used to install 1D through to 3D length inserts. Featuring an adjustable collar to suit 1D-3D inserts, and a square drive for trapping.



Internal Thread Size	Item #	Barcode
M3-0.5	RC50089-17	020317537983
UNC #4-40, UNF #4-48	RC50077-17	020317538010
UNC #6-32	RC50095-16	020317537952
UNC 1/4-20, UNF 1/4-28	RC50188-10	020317537860
OBA, BSF 1/4-26, BSW 1/4-20	RC50188-5	020317537853

Thread Repair Recoil® Extraction Tools



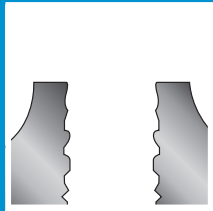
Insert Extraction Tools

Should inserts need to be removed, the use of the Recoil extraction tool is recommended. Extraction tools are simple and easy to use. As correct positioning will make the extraction easier, the tool should be turned 90° from the start of the coil allowing easy winding out of the insert. If the extraction tool is not gripping the insert, the edges can be re-sharpened.

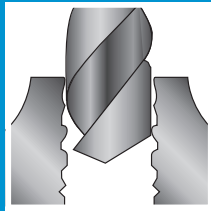


Metric Sizes	Imperial Sizes	Item #	Barcode
4-40 - 3/8, M3 - M10, #4-3/8	#4-3/8	RC50002	020317500024
6-32 - 1", M4 - M24, #6-1"	#6-1"	RC50003	020317500031

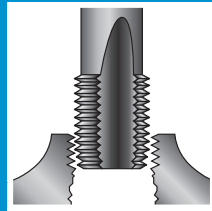
Thread Repair How To Install Recoil® Inserts



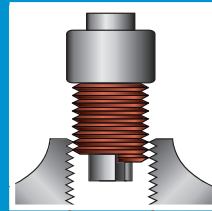
STRIPPED



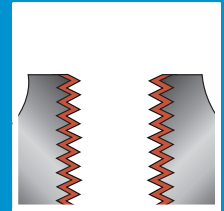
DRILL



TAP



INSTALL



FIXED

INSTRUCTIONS

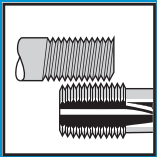


1. DRILL:

Drill to clear out the damaged thread with drill size as specified on kit (if necessary).



Standard Drill

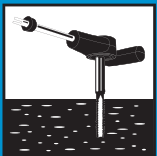


2. CHECK:

Ensure tap thread matches bolt.



Recoil® STI Tap



3. TAP HOLE:

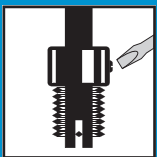
Place tap into tap wrench or use the square drive in the installation tool provided*.

Tap hole to the required depth using correct procedures (if unsure contact your dealer).



Recoil® STI Tap

* Square drive tool only suitable for tapping non-ferrous alloys.

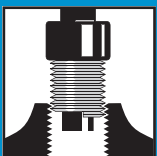


4. SET TOOL:

Place insert on installation tool, positioning the adjustable top so that the insert tang is centred in the tang slot.



Recoil® Installation Tool



5. INSTALL:

Wind insert in with light downward pressure until 1/4 to 1/2 turn below the surface.

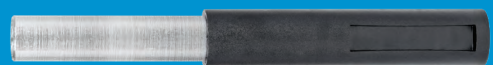


Recoil® Wire Thread Inserts



6. TANG REMOVAL:

Do not attempt to twist tang off with tool. Lift tool from tang, turn tool 90° and tap down sharply. Use tang break-off tool where supplied. For spark plug and large fine thread inserts, use long nose pliers to pull tang out.



Recoil® Tang Break Tool



HEX KEYS

- L Wrenches • GorillaGrip® Fold Up Sets • T Handles • Screwdrivers
 - Wing & Flag • Power Bits • Socket Bits
-

BONDHUS[®]

Tools That Work

Proudly Distributed by: **sutton[®]**



For the past 50 years, Bondhus has established itself within the market as the premium hex key manufacturer for both quality and innovation. The development of Protanium™ Steel, ProGuard™ Dry Surface Technology, along with continual product development such as the patented ProHold™ product proves Bondhus' leadership in the hex key market.

Bondhus excels in the market by offering not only the best quality product, but also the widest range in both handle and tip configurations. The level of confidence in the quality of all products is reinforced with a full lifetime warranty.



Protanium™ Steel is a proprietary blend of steel that provides at least 18% more torque. This provides a longer wearing steel that resists breaking and shattering.



ProGuard™ Dry Surface Technology provides 5X more protection against rust or corrosion.



HEX KEYS

Bondhus Hex Keys Index

269	GorillaGrip® Fold Up Sets	274	Power Bits Ball End
269	GorillaGrip® Fold Up Utility & Multi-Packs	272	Screwdrivers Ball End
273	Hex Pro TORX® & Hex Tip	272	Screwdrivers TORX® Tamper Resistant
264	L-Wrenches Ball End	274	Socket Bits Hex End
266	L-Wrenches Hex End	270	T-Handles Ball End
265	L-Wrenches ProHold® Tip Ball End	270	T-Handles Hex End
265	L-Wrenches Stubby Ball End	271	T-Handles ProHold® TORX®
267	L-Wrenches TORX®	271	T-Handles TORX®
267	L-Wrenches TORX® Tamper Resistant	273	Wing & Flag Tool TORX®
268	Multi-Packs L-Wrenches & GorillaGrip® Fold Up		

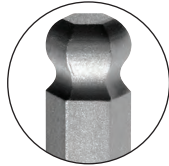
L-Wrenches Ball End



Ball End inserts into a screw at a 25° angle.
 Ball End saves time by quickly funnelling tool into screw.
 25° angle allows natural hand and wrist movement.
 Superior Ball End strength and working angle.



Up to 20% stronger, with more torque and higher wear resistance than standard steel



Ball End Tips
 25° working angle for quick funnelling into screw



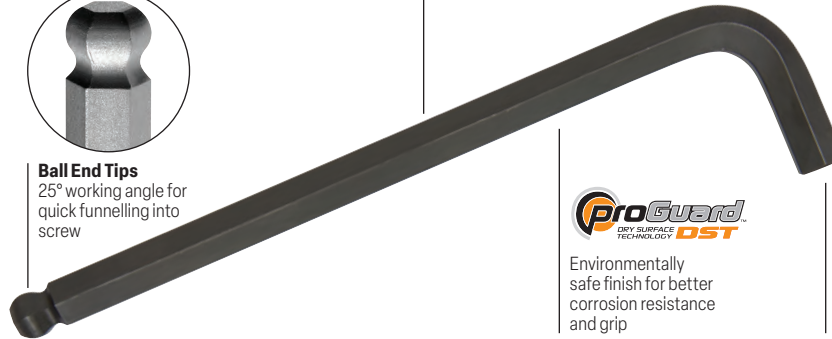
Environmentally safe finish for better corrosion resistance and grip

Chamfered Hex Tip
 For faster insertion and full tool engagement in the screw head



BD10999

BD10938



Size	O/A Length	Arm Length	Pieces	Item #	Barcode
Metric (Tagged)					
1.27	72	13	1	BD15749	037231157494
1.5	77	14	1	BD15750	037231157500
2.0	82	16	1	BD15752	037231157524
2.5	88	17	1	BD15754	037231157548
3.0	98	19	1	BD15756	037231157562
3.5	100	21	1	BD15758	037231157586
4.0	110	22	1	BD15760	037231157609
4.5	114	25	1	BD15762	037231157623
5.0	119	27	1	BD15764	037231157647
5.5	124	29	1	BD15766	037231157661
6.0	139	31	1	BD15768	037231157685
7.0	140	33	1	BD15770	037231157708
8.0	152	35	1	BD15772	037231157722
9.0	159	37	1	BD15774	037231157746
10.0	171	39	1	BD15776	037231157760
11.0	200	42	1	BD15778	037231157784
12.0	220	44	1	BD15780	037231157807
14.0	260	55	1	BD15784	037231157845
17.0	280	61	1	BD15786	037231157869
19.0	295	69	1	BD15788	037231157883
Metric Sets					
6Pce Set: 1.5, 2, 2.5, 3, 4, 5mm			6	BD10946	037231109462
9Pce Set: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm			9	BD10999	037231109998
15Pce Set: 1.27, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm			15	BD10995	037231109950

Size	O/A Length	Arm Length	Pieces	Item #	Barcode
Imperial (Tagged)					
.050"	72	13	1	BD15702	037231157029
1/16"	76	14	1	BD15703	037231157036
5/64"	81	15	1	BD15704	037231157043
3/32"	86	16	1	BD15705	037231157050
7/64"	90	18	1	BD15706	037231157067
1/8"	95	19	1	BD15707	037231157074
9/64"	101	20	1	BD15708	037231157081
5/32"	107	21	1	BD15709	037231157098
3/16"	114	24	1	BD15710	037231157104
7/32"	124	26	1	BD15711	037231157111
1/4"	141	29	1	BD15712	037231157128
5/16"	152	32	1	BD15713	037231157135
3/8"	171	35	1	BD15714	037231157142
7/16"	191	38	1	BD15715	037231157159
1/2"	210	41	1	BD15716	037231157166
9/16"	229	44	1	BD15717	037231157173
5/8"	248	48	1	BD15718	037231157180
3/4"	286	54	1	BD15719	037231157197
Imperial Sets					
8Pce Set: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"			8	BD10932	037231109325
7Pce Set: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"			7	BD10945	037231109455
10Pce Set: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"			10	BD10938	037231109387
12Pce Set: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32"			12	BD10936	037231109363
13Pce Set: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"			13	BD10937	037231109370

L-Wrenches ProHold® Tip Ball End

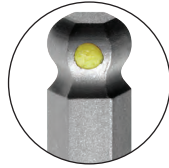


Non-magnetic button holds screw tight on the tool every time.
Super smooth rotational action.
Tool strength is not compromised by the Prohold® button.



BD74999

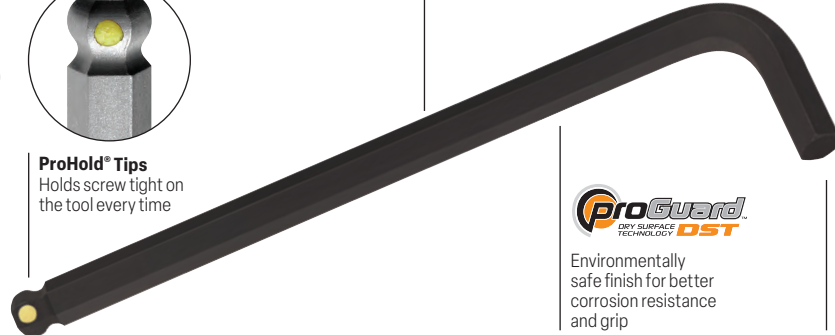
BD74937



ProHold® Tips
Holds screw tight on the tool every time



Up to 20% stronger, with more torque and higher wear resistance than standard steel



Environmentally safe finish for better corrosion resistance and grip

Chamfered Hex Tip
For faster insertion and full tool engagement in the screw head

Size	O/A Length	Arm Length	Pieces	Item #	Barcode
Metric (Tagged)					
1.27	72	13	1	BD75749	037231757496
1.5	77	14	1	BD75750	037231757502
2.5	88	17	1	BD75754	037231757540
3.0	98	19	1	BD75756	037231757564
4.0	110	22	1	BD75760	037231757601
5.0	119	27	1	BD75764	037231757649
6.0	139	31	1	BD75168	037231751685
Metric Sets					
9 Pce Set (Long): 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm			9	BD74999	037231749996

Size	O/A Length	Arm Length	Pieces	Item #	Barcode
Imperial (Tagged)					
5/64"	81	15	1	BD75704*	037231757045
3/32"	86	16	1	BD75705*	037231757052
7/64"	90	18	1	BD75706*	037231757069
9/64"	101	20	1	BD75708*	037231757083
7/32"	124	26	1	BD75711*	037231757113
3/8"	171	35	1	BD75714	037231757144
Imperial Sets					
13 Pce Set (Long): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"			13	BD74937	037231749378

L-Wrenches Stubby Ball End



Fits into tight spaces standard hex keys cannot. Eliminates the need to trim and file the short arm. Tighter inside radius means full smooth entry into screw head. Chamfered short arm eliminates burrs. Ball End inserts into a screw at a 25° angle.



BD16599

BD16538



Ball End Tips
25° working angle for quick funnelling into screw



Up to 20% stronger, with more torque and higher wear resistance than standard steel



Environmentally safe finish for better corrosion resistance and grip

Stubby Arm
Fits into tight spaces where standard hex keys cannot

Size	Pieces	Item #	Barcode
Metric Set			
9 Pce Set: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	9	BD16599	037231165994

Size	Pieces	Item #	Barcode
Imperial Set			
10 Pce Set: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	10	BD16538	037231165383
13 Pce Set: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	13	BD16537	037231165376

*Not available once current stock is depleted

L-Wrenches Hex End

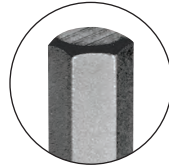


Chamfered tool tips eliminate burrs and help tools seat in screw head. Sharp corners transfer more torque to the screw and reduce stripping. Precision machined for ease of use and superior fit.



BD12199

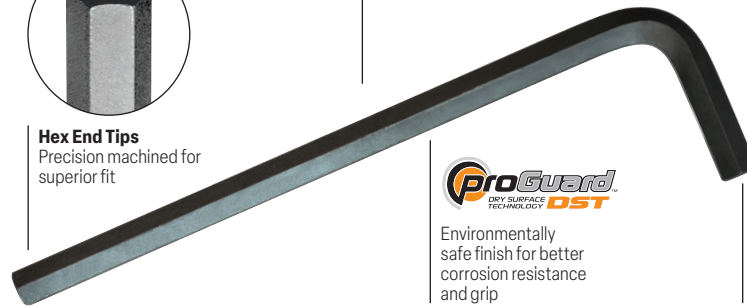
BD12137



Hex End Tips
Precision machined for superior fit



Up to 20% stronger, with more torque and higher wear resistance than standard steel



Environmentally safe finish for better corrosion resistance and grip

Chamfered Hex Tip
For faster insertion and full tool engagement in the screw head

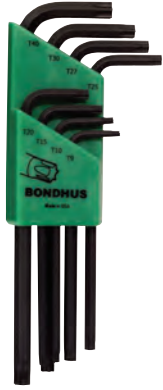
Size	O/A Length	Arm Length	Pieces	Item #	Barcode
Metric (Long) (Tagged)					
.89	69	9	1	BD15948	037231159481
1.5	77	14	1	BD15950	037231159504
2.0	82	16	1	BD15952	037231159528
2.5	88	17	1	BD15954	037231159542
3.0	98	19	1	BD15956	037231159566
3.5	100	21	1	BD15958	037231159580
4.0	110	22	1	BD15960	037231159603
4.5	114	25	1	BD15962	037231159627
5.0	119	27	1	BD15964	037231159641
5.5	124	29	1	BD15966	037231159665
6.0	139	21	1	BD15968	037231159689
7.0	140	33	1	BD15970	037231159702
8.0	152	35	1	BD15972	037231159726
10.0	171	39	1	BD15976	037231159764
11.0	200	42	1	BD15978	037231159788
12.0	220	44	1	BD15980	037231159801
14.0	260	55	1	BD15984	037231159849
17.0	280	61	1	BD15986	037231159863
19.0	295	69	1	BD15988	037231159887
Metric (Short) (Tagged)					
5.0	78	27	1	BD15864	037231158644
5.5	83	29	1	BD15866	037231158668
Metric Sets					
6 Pce Set (Long): 1.5, 2, 2.5, 3, 4, 5mm			6	BD12146	037231121464
9 Pce Set (Long): 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm			9	BD12199	037231121990
10 Pce Wallet Set (Short): 1.3, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm			10	BD00009	9314244000094

Size	O/A Length	Arm Length	Pieces	Item #	Barcode
Imperial (Long) (Tagged)					
.050"	72	13	1	BD15902	037231159023
1/16"	76	14	1	BD15903	037231159030
5/64"	81	15	1	BD15904	037231159047
3/32"	86	16	1	BD15905	037231159054
7/64"	90	18	1	BD15906	037231159061
1/8"	95	19	1	BD15907	037231159078
9/64"	101	20	1	BD15908	037231159085
5/32"	107	21	1	BD15909	037231159092
3/16"	114	24	1	BD15910	037231159108
7/32"	124	26	1	BD15911	037231159115
1/4"	133	29	1	BD15912	037231159122
5/16"	152	32	1	BD15913	037231159139
3/8"	171	35	1	BD15914	037231159146
7/16"	191	38	1	BD15915	037231159153
1/2"	210	41	1	BD15916	037231159160
5/8"	248	48	1	BD15918	037231159184
3/4"	286	54	1	BD15919	037231159191
Imperial (Short) (Tagged)					
.028"	31	6	1	BD15800	037231158002
.035"	31	9	1	BD15801	037231158019
Imperial Sets					
13 Pce Set (Long): .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"			13	BD12137	037231121372
10 Pce Wallet Set (Short): 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"			10	BD00008	9314244000087

L-Wrenches TORX®



Fits all TORX® and Star screws.
Broad contact surface provides deep lobe engagement.
Straight, vertical sidewalls increase tool engagement
and virtually eliminates cam-out.



BD31834



TORX® Tips
Fits all TORX® and
Star screws



Up to 20% stronger, with
more torque and higher wear
resistance than standard steel

TORX® and Star tip
Fits all TORX® and
Star screws



Environmentally
safe finish for better
corrosion resistance
and grip

Size	O/A Length	Arm Length	Pieces	Item #	Barcode
Single T10	80	19	1	BD31810	037231318109

Size	Pieces	Item #	Barcode
Sets			
6 Pce Set: T6, T7, T8, T9, T10, T15	6	BD11346	037231113469
8 Pce Set: T9, T10, T15, T20, T25, T27, T30, T40	8	BD31834	037231318345

L-Wrenches TORX® Tamper Resistant



Fits all TORX® and Star tamper resistant screws.
Broad contact surface provides deep lobe engagement.
Straight, vertical sidewalls increase tool engagement
and virtually eliminates cam-out.



BD32434



Tamper Resistant TORX® Tips
Precision machined tips
transfer more torque
to the screw and
reduces stripping



Up to 20% stronger, with
more torque and higher wear
resistance than standard steel

**Tamper Resistant TORX®
and Tamper Resistant
Star tips**
Fits all TORX® and Star
tamper resistant screws



Environmentally
safe finish for better
corrosion resistance
and grip

Size	O/A Length	Arm Length	Pieces	Item #	Barcode
Single TR20	91	20	1	BD32420	037231324209

Size	Pieces	Item #	Barcode
Set			
8 Pce Set: TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	8	BD32434	037231324346

Multi-Packs L-Wrenches & GorillaGrip® Fold Up



Assembled from our most popular sets.

Multiple sets per package.

Tip selections include Ball End, Hex End and ProHold® Tip Ball End.

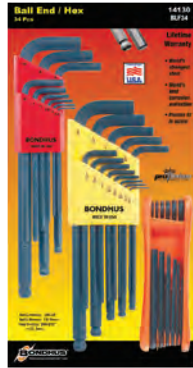
Ideal for mechanics and general purpose.



BD14187



BD14189



BD14130



BD20499



BD20199



BD22199

Size	Pieces	Item #	Barcode
16 Pce Set: L-Wrench Ball End 1.5-10mm + Hex End GorillaGrip® (Item # BD10999) + Fold Up 2-8mm (Item # BD12587)	16	BD14187	037231141875
22 Pce Set: L-Wrench Ball End .050-3/8" (Item # BD10937) + Hex End GorillaGrip® Fold Up 5/64-1/4" (Item # BD12589)	22	BD14189	037231141899
34 Pce Set: L-Wrench Ball End .050-3/8" (Item # BD10937) + 1.5-10mm + Hex End GorillaGrip® (Item # BD10999) + Fold Up 5/64-5/32", 1.5-5mm (Item # BD12550)	34	BD14130	037231141301

Size	Pieces	Item #	Barcode
22 Pce Set: ProHold® L-Wrench Ball End .050-3/8" (Item # BD74937) + 1.5-10mm (Item # BD74999)	22	BD20499	037231204990
22 Pce Set: L-Wrench Ball End .050-3/8" (Item # BD10937) + 1.5-10mm (Item # BD10999)	22	BD20199	037231201999
22 Pce Set: L-Wrench Hex End .050-3/8" (Item # BD12137) + 1.5-10mm (Item # BD12199)	22	BD22199	037231221997
22 Pce Set: L-Wrench Ball End .050-3/8" + 1.5-10mm	22	BD20399	037231203993

GorillaGrip® Fold Up Sets



Patented handle design makes every job faster and easier.
Durable GorillaGrip® handle is stronger than steel handles.
Tool user can adjust tool tension.



BD12638 BD12897 BD12591



Up to 20% stronger, with more torque and higher wear resistance than standard steel

Moulded in 90° stop converts the tool into a time saving speed wrench

Blades open up to 270° from handle. Moulded on stops then blades securely in place



Environmentally safe finish for better corrosion resistance and grip

Size	Pieces	Item #	Barcode
TORX® GorillaGrip® Fold Up			
8 Pce Set: T6, T7, T8, T9, T10, T15, T20, T25	8	BD12632	037231126322
8 Pce Set: T9, T10, T15, T20, T25, T27, T30, T40	8	BD12634	037231126346
Tamper Resistant TORX® GorillaGrip® Fold Up			
7 Pce Set: TR7, TR8, TR9, TR10, TR15, TR20, TR25	7	BD12636	037231126360
8 Pce Set: TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	8	BD12638	037231126384
Ball End GorillaGrip® Fold Up			
5 Pce Set: 3/16, 7/32, 1/4, 5/16, 3/8"	5	BD12894	037231128944
5 Pce Set: 5, 6, 7, 8, 10mm	5	BD12897	037231128975

Size	Pieces	Item #	Barcode
Hex End GorillaGrip® Fold Up			
7 Pce Set: 1.5, 2, 2.5, 3, 4, 5, 6mm	7	BD12592	037231125929
7 Pce Set: 2, 2.5, 3, 4, 5, 6, 8mm	7	BD12587	037231125875
6 Pce Set: 3, 4, 5, 6, 8, 10mm	6	BD12595	037231125950
9 Pce Set: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16"	9	BD12591	037231125912
9 Pce Set: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	9	BD12589	037231125899
5 Pce Set: 3/16, 7/32, 1/4, 5/16, 3/8"	5	BD12585	037231125851
12 Pce Set: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32", 1.5, 2, 2.5, 3, 4, 5mm	12	BD12550	037231125509

GorillaGrip® Fold Up Utility & Multi-Packs



Wide selection of tool tips.
World's strongest handle.
Speed-Wrench feature.
Tools open from both the top and bottom.
Moulded-in 90° stop.
Patented spacers between tools.



Up to 20% stronger, with more torque and higher wear resistance than standard steel



Environmentally safe finish for better corrosion resistance and grip



BD12522 BD12544 BD12533

Size	Pieces	Item #	Barcode
Utility GorillaGrip® Fold Up			
5 Pce Set: PH #1, Slotted 3/16", Hex 4, 5, 6mm	5	BD12540	037231125400
5 Pce Set: PH #1; Slotted 3/16", SQ1, SQ2	5	BD12543	037231125431

Size	Pieces	Item #	Barcode
Multi Pack GorillaGrip® Fold Up			
16 Pce Set: 5/64-1/4" (Item # 12589) + 2-8mm (Item # 12587)	16	BD12522	037231125226
15 Pce Set: 2-8mm (Item # 12587) + T9-T40 (Item # 12634)	15	BD12544	037231125448
24 Pce Set: 5/64-1/4" (Item # 12589) + 2-8mm (Item # 12587) + T9-T40 (Item # 12634)	24	BD12533	037231125332

T-Handles Ball End



Solid steel handles.
Welded handle/blade connection.
Ergonomic handle design.
Flywheel effect saves time.
Smooth, non-porous handle coating.
Handle coating extends along blade.



BD13189

BD13190



Ball End Tips
25° working angle for quick funnelling into screw



Up to 20% stronger, with more torque and higher wear resistance than standard steel



Environmentally safe finish for better corrosion resistance and grip

Sizes Printed On Handles
For easy and quick section

Ergonomic Handle
Welded directly to blade for durable and comfortable grip

Size	O/A Length	Handle Length	Pieces	Item #	Barcode
Metric (Tagged)					
2.0	150	76	1	BD53252 [†]	037231532529
2.5	172	76	1	BD53254 [†]	037231532543
3.0	196	76	1	BD53256 [†]	037231532567
4.0	220	76	1	BD53160	037231531607
5.0	246	102	1	BD53164	037231531645
6.0	266	102	1	BD53168	037231531683
8.0	285	127	1	BD53172	037231531720
10.0	307	127	1	BD53176	037231531768
Metric Sets					
5 Pce Set: 4, 5, 6, 8, 10mm			5	BD13148	037231131487
8 Pce Set: 2, 2.5, 3, 4, 5, 6, 8, 10mm			8	BD13187	037231131876
8 Pce Set with Stand: 2, 2.5, 3, 4, 5, 6, 8, 10mm			8	BD13189	037231131890

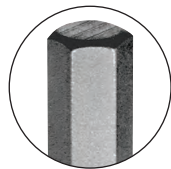
Size	O/A Length	Handle Length	Pieces	Item #	Barcode
Imperial (Tagged)					
3/32"	154	76	1	BD53205 [†]	037231532055
7/64"	173	76	1	BD53206 [†]	037231532062
1/8"	192	76	1	BD53207 [†]	037231532079
9/64"	211	76	1	BD53208 [†]	037231532086
5/32"	231	76	1	BD53109	037231531096
3/16"	250	102	1	BD53110	037231531102
7/32"	262	102	1	BD53111	037231531119
1/4"	275	102	1	BD53112	037231531126
5/16"	289	127	1	BD53113	037231531133
3/8"	300	127	1	BD53114	037231531140
Imperial Sets					
6 Pce Set: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"			6	BD13146	037231131463
10 Pce Set: 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"			10	BD13138	037231131388
10 Pce Set with Stand: 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"			10	BD13190	037231131906

[†]Hex Tip

T-Handles Hex End



BD13389



Hex End Tips
Precision machined for superior fit



Up to 20% stronger, with more torque and higher wear resistance than standard steel



Environmentally safe finish for better corrosion resistance and grip

Sizes Printed On Handles
For easy and quick section

Ergonomic Handle
Welded directly to blade for durable and comfortable grip

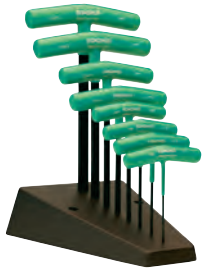
Size	O/A Length	Handle Length	Pieces	Item #	Barcode
Metric (Tagged) Graduated Length					
2.0	100	76	1	BD13352	037231133528
2.5	110	76	1	BD13354	037231133542
3.0	120	76	1	BD13356	037231133566
4.0	136	76	1	BD13360	037231133603
5.0	150	102	1	BD13364	037231133641
6.0	173	102	1	BD13368	037231133689

Size	O/A Length	Handle Length	Pieces	Item #	Barcode
Metric (Tagged) 356mm					
5.0	356	102	1	BD16464	037231164645
Set					
8 Pce Set with Stand: 2, 2.5, 3, 4, 5, 6, 8, 10mm			8	BD13389	037231133894

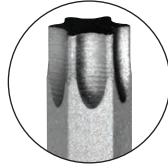
T-Handles TORX®



Fits all TORX® and Star screws.
Solid steel handles.
Welded handle/blade connection.
Ergonomic handle design.
Flywheel effect saves time.
Smooth, non-porous handle coating.



BD33034



TORX® Tips
Fits all TORX® and
Star screws



Up to 20% stronger, with
more torque and higher wear
resistance than standard steel



Environmentally
safe finish for better
corrosion resistance
and grip



**Sizes Printed
On Handles**
For easy and
quick section

Ergonomic Handle
Welded directly to
blade for durable and
comfortable grip

Size	Pieces	Item #	Barcode
8 Pce Set: T9, T10, T15, T20, T25, T27, T30, T40	8	BD33034	037231330347

T-Handles ProHold® TORX®



Fits all TORX® and Star screws.
Holds screw tight on the tool every time.
Button is non-magnetic.
Welded handle/blade connection.



ProHold® Tips
Holds screw tight on
the tool every time



Up to 20% stronger, with
more torque and higher wear
resistance than standard steel



Environmentally
safe finish for better
corrosion resistance
and grip



**Sizes Printed
On Handles**
For easy and
quick section

Ergonomic Handle
Welded directly to
blade for durable and
comfortable grip

Size	O/A Length	Handle Length	Pieces	Item #	Barcode
TR15	168	76	1	BD74015	037231740153
TR27	187	102	1	BD74027	037231740276

Screwdrivers Ball End



Ball End inserts into screw at a 25° angle.
Ergonomic non-slip grip handle design.
Two component handle with tough inner core and cushioned rubber exterior.
Anti-roll design.



BD10699



Ball End Tips
25° working angle for quick funnelling into screw



Up to 20% stronger, with more torque and higher wear resistance than standard steel

Non-Slip Grip
Generates maximum torque even when wet or oily



Environmentally safe finish for better corrosion resistance and grip



Durable thermoplastic core wrapped in cushioned rubber for increased comfort and torque

Size	O/A Length	Shank Length	Pieces	Item #	Barcode
Metric (Long) (Packaged)					
3.0	247	158	1	BD10756*	037231107567
4.0	288	179	1	BD10760*	037231107604
6.0	341	218	1	BD10768*	037231107680
Metric Sets					
6 Pce Set: 1.5, 2, 2.5, 3, 4, 5mm			6	BD10686	037231106867
9 Pce Set: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm			9	BD10699	037231106997

Size	O/A Length	Shank Length	Pieces	Item #	Barcode
Imperial (Standard) (Tagged)					
.050"	104	60	1	BD40602	037231406028
Imperial Set					
13 Pce Set: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"			13	BD10637	037231106379

Screwdrivers TORX® Tamper Resistant



Fits all TORX® and Star tamper resistant screws.
Burr free tool tips help tools seat fully in screw head.
Precision machined tips transfer more torque to the screw and reduces stripping.



BD33834



Tamper Resistant TORX® Tips
Precision machined tips transfer more torque to the screw and reduces stripping



Up to 20% stronger, with more torque and higher wear resistance than standard steel

Non-Slip Grip
Generates maximum torque even when wet or oily



Environmentally safe finish for better corrosion resistance and grip



Durable thermoplastic core wrapped in cushioned rubber for increased comfort and torque

Size	Pieces	Item #	Barcode
8 Pce Set: TR9, TR10, TR15, TR20, TR25, TR27, TR30, TR40	8	BD33834	037231338343

*Not available once current stock is depleted

Wing & Flag Tool TORX®



Fits all TORX® and TORX PLUS® screws.

Fits all Star and Star Plus screws.

ComfortGrip Handles – soft rubber outer coating for maximum comfort and grip.

Broad contact surface provides deep lobe engagement.

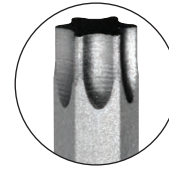
Straight, vertical sidewalls increase tool engagement and virtually eliminates cam-out.



BD34445



BD34745



Multi-Fit
Fits all TORX® and TORX Plus®, Star and Star Plus screws



Soft rubber outer coating for maximum comfort and grip



Sizes	Pieces	Item #	Barcode
7 Pce TORX® Flag Tools Set: T6, T7, T8, T9, T10, T15, T20	7	BD34445	037231344450

Sizes	Pieces	Item #	Barcode
7 Pce TORX® Wing Tools Set: T6, T7, T8, T9, T10, T15, T20	7	BD34745	037231347451

Hex Pro TORX® & Hex Tip



Fits Inch and Metric Hex, TORX®, and Star screws.

Heat treated high quality industrial tool steel.

Long handles for extra reach.

Matte chrome finish to prevent corrosion.



BD00055



BD00040



BD00051

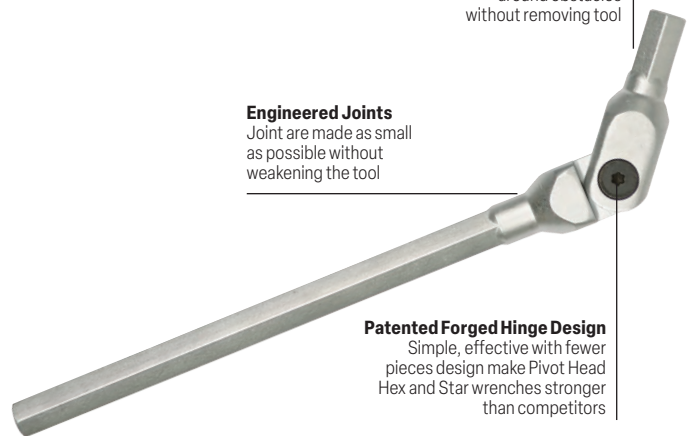
Size	Pieces	Item #	Barcode
Hex Tip			
Metric			
4.0	1	BD88760*	855782887604
5.0	1	BD88764*	855782887642
6.0	1	BD88768*	855782887680
8.0	1	BD88772*	855782887727
10.0	1	BD88776*	855782887765
Imperial			
3/16"	1	BD88710*	855782887109
7/32"	1	BD88711*	855782887116
1/4"	1	BD88712*	855782887123
5/16"	1	BD88713*	855782887130
3/8"	1	BD88714*	855782887147

*Not available once current stock is depleted

Pivot Head
Hex and Star wrenches allow users to pivot around obstacles without removing tool

Engineered Joints
Joint are made as small as possible without weakening the tool

Patented Forged Hinge Design
Simple, effective with fewer pieces design make Pivot Head Hex and Star wrenches stronger than competitors



Size	Pieces	Item #	Barcode
Sets			
5 Pce Set: T25, T30, T40, T45, T50	5	BD00055	855782000553
5 Pce Set: 3/16, 7/32, 1/4, 5/16, 3/8"	5	BD00040	855782000409
5 Pce Set: 4, 5, 6, 8, 10mm	5	BD00051	855782000515
5 Pce Set: 4, 5, 6, 8, 10mm	5	BD00028	855782000287

Power Bits Ball End



Fits all 1/4" drive bit holders.
 Ball End inserts into a screw at a 25° angle.
 Ball End saves time by quickly funnelling tool into screw.
 Superior Ball End strength and working angle.
 Works in hard to reach places.



BD10864



Sizes	O/A Length	Item #	Barcode
Metric	mm		
4.0	76	BD10860	037231108601
5.0	76	BD10864	037231108649

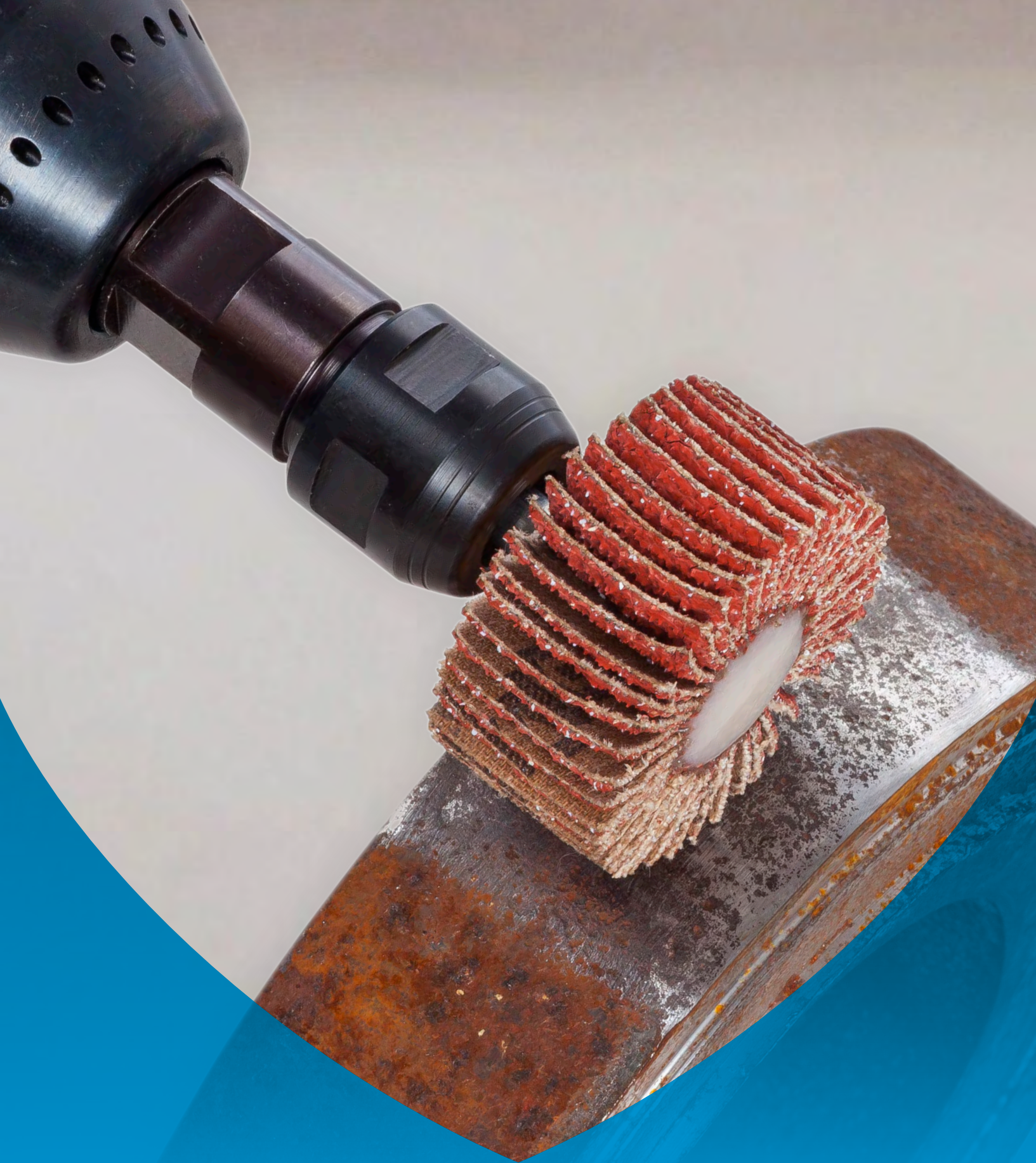
Socket Bits



Bits fit any standard six point socket.
 Bits are suitable for use with impact sockets.
 Chamfered tool tips eliminate burrs and help tools seat in screw head.
 Sharp corners transfer more torque to the screw and reduce stripping.
 Precision machined for ease of use and superior fit.



Size	Pieces	Item #	Barcode
6 Pce Set: 4, 5, 6, 7, 8, 10mm	6	BD23246	037231232467



ABRASIVES

• Flap Wheels • Flap Discs • Saftex • Abrasives



ABRASIVES

Garryson Abrasives Index

- 282** **Abrasives** Blocks - Rubber
- 280** **Flap Discs** Zirconium
- 278** **Flap Wheels** Shaft Mounted Abrasive
- 281** **Saftex** Wheels & Mandrels

Flap Wheels Shaft Mounted Abrasive



Flap Wheels are ideal for use on a wide range of materials. Ideal for stock removal, deburring, cleaning, blending and finishing.

- Cleaning of weld surfaces
- Removing machine marks and flaws
- Finishing stainless steel vessels
- Removing die lines
- Removing flash from rubber and plastic surfaces
- Paint and rust removal
- Sanding wood

Diameter mm	Thickness mm	Grit	Shank mm	Pieces	Item #	Barcode
Aluminium Oxide Flap Wheels						
50	20	120 Medium	6	1	GA5020M	
50	20	80 Coarse	6	1	GA5020C	
50	20	180 Fine	6	1	GA5020F	
60	30	180 Fine	6	1	GA6030F	
60	30	120 Medium	6	1	GA6030M	
60	30	80 Coarse	6	1	GA6030C	
Miniature Flap Wheels						
15	15	120	3	10	GA1515120	5055186527044
20	10	80	6	10	GA2010080	5055186525644
20	10	180	6	10	GA2010180	5055186525682
20	15	80	6	10	GA2015080	5055186525705
20	15	120	6	10	GA2015120	5055186525729
20	20	80	6	10	GA2020080	5055186525767
20	20	120	6	10	GA2020120	5055186525781
20	20	180	6	10	GA2020180	5055186525804
25	25	80	6	10	GA2525080	5055186526009
25	25	120	6	10	GA2525120	5055186526023
Premium Flap Wheels						
30	10	60	6	10	GA3010L060	5055186526108
30	10	80	6	10	GA3010L080	5055186526122
30	10	100	6	10	GA3010L100	5055186526146
30	10	120	6	10	GA3010L120	5055186526160
30	10	150	6	10	GA3010L150	5055186526184
30	10	240	6	10	GA3010L240	5055186526221
30	15	40	6	10	GA3015L040	5055186596118
30	15	60	6	10	GA3015L060	5055186526269
30	15	80	6	10	GA3015L080	5055186526283
30	15	100	6	10	GA3015L100	5055186596125
30	15	120	6	10	GA3015L120	5055186526306
30	15	150	6	10	GA3015L150	5055186596132
30	10	60	3	10	GA3010060	5055186527143
30	10	80	3	10	GA3010080	5055186527167
30	10	100	3	10	GA3010100	5055186596095
30	10	120	3	10	GA3010120	5055186527181
30	10	150	3	10	GA3010150	5055186527204
30	15	40	3	10	GA3015040	5055186550363
30	15	60	3	10	GA3015060	5055186527280
30	15	80	3	10	GA3015080	5055186527303
30	15	100	3	10	GA3015100	5055186596101
30	15	120	3	10	GA3015120	5055186527327
40	10	40	6	10	GA4010040	5055186526320
40	10	80	6	10	GA4010080	5055186526368
40	10	100	6	10	GA4010100	5055186596156
40	10	150	6	10	GA4010150	5055186549640
40	15	60	6	10	GA4015060	5055186526429
40	15	80	6	10	GA4015080	5055186526443
40	15	120	6	10	GA4015120	5055186526481
40	15	180	6	10	GA4015180	5055186526528

Flap Wheels Shaft Mounted Abrasive



Flap Wheels are ideal for use on a wide range of materials.
Ideal for stock removal, deburring, cleaning, blending and finishing.

- Cleaning of weld surfaces
- Removing machine marks and flaws
- Finishing stainless steel vessels
- Removing die lines
- Removing flash from rubber and plastic surfaces
- Paint and rust removal
- Sanding wood



Diameter mm	Thickness mm	Grit	Shank mm	Pieces	Item #	Barcode
Premium Flap Wheels (continued)						
40	20	40	6	10	GA4020040	5055186526580
40	20	60	6	10	GA4020060	5055186526603
40	20	80	6	10	GA4020080	5055186526627
40	20	100	6	10	GA4020100	5055186526641
40	20	120	6	10	GA4020120	5055186526665
40	20	150	6	10	GA4020150	5055186526689
40	20	180	6	10	GA4020180	5055186526702
40	25	60	6	10	GA4025060	5055186526788
40	25	80	6	10	GA4025080	5055186526801
40	30	80	6	10	GA4030080	5055186526900
40	30	100	6	10	GA4030100*	5055186526924
40	30	120	6	10	GA4030120	5055186526948
50	10	80	6	10	GA5010080	5055186525125
50	10	120	6	10	GA5010120	5055186525163
50	15	60	6	10	GA5015060	5055186525217
50	15	80	6	10	GA5015080	5055186525224
50	15	120	6	10	GA5015120	5055186525262
50	15	240	6	10	GA5015240	5055186549923
50	20	40	6	10	GA5020040	5055186525286
50	20	60	6	10	GA5020060	5055186525309
50	20	80	6	10	GA5020080	5055186525323
50	20	120	6	10	GA5020120	5055186525361
50	20	180	6	10	GA5020180	5055186525408
50	25	40	6	10	GA5025040	5055186525460
50	25	60	6	10	GA5025060	5055186525484
50	25	80	6	10	GA5025080	5055186525507
50	25	120	6	10	GA5025120	5055186525545
50	25	180	6	10	GA5025180	5055186525583
50	25	320	6	10	GA5025320	5055186525620
50	30	80	6	10	GA5030080	5055186523886
50	30	120	6	10	GA5030120	5055186523923
50	40	60	6	10	GA5040060	5055186524043
50	40	80	6	10	GA5040080	5055186524067
60	20	80	6	10	GA6020080	5055186524265
60	25	60	6	10	GA6025060	5055186524302
60	25	80	6	10	GA6025080	5055186524326
60	30	60	6	10	GA6030060	5055186524364
60	30	80	6	10	GA6030080	5055186524388
60	30	120	6	10	GA6030120	5055186524401
60	30	240	6	10	GA6030240	5055186524463
80	30	40	6	10	GA8030040	5055186596248
80	30	60	6	10	GA8030060	5055186524845
80	30	80	6	10	GA8030080	5055186524869
80	30	120	6	10	GA8030120	5055186524883

*Not available once current stock is depleted.

Flap Discs Zirconium

Garryson®

Abrasives, Burrs & Routers



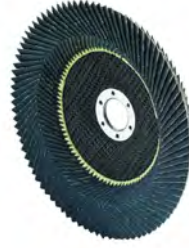
Universal disc for use on a wide range of ferrous materials.

Ideal for use in applications such as weld preparation, weld seam removal, surface blending and edge grinding.

Zirconium Flap disc offers consistent grinding and finishing performance.

Long life compared to resin fibre discs.

Reduced vibration and noise compared to depressed centre grinding discs.



Flexi Glass Fibre Backed - FLXZ

Ideal disc for blending and finishing on large concave and convex surfaces, contours and profiles.

Industry types: Stainless steel fabricators, Ship building and repair, Offshore and marine, Metal fabrication.



Glass Fibre Backed Angled Face - FBX

Ideal for use on austenitic stainless steel (300 series).

Special grinding aid layer gives fast cutting performance and cooler grinding.

Industry types: Stainless Steel fabricators, Ship building & repair, Offshore & marine, Metal fabrication, Vessel & tanker manufacture.



Jumbo Fibre Backed Angle Face - JBZ

Contains up to 60% more usable abrasive material.

The additional cloth provides a cushioned effect and softer 'feel' giving more control.

Industry type: Stainless steel fabricators, Ship builders, Metal fabrication, Automotive, Foundries.

Disc Diameter mm	Hole Diameter mm	Grit	Max. RPM	Pieces	Item #	Barcode
Aluminium Backed Angled Face – FAZ						
100	16	60	15,300	10	GA10016060*	5055186522629
115	22	120	13,300	10	GA11522120*	5055186522766
Glass Fibre Backed Angled Face – FBZ						
100	16	40	15,300	10	Gafa10016040	5055186522209
100	16	60	15,300	10	Gafa10016060	5055186522223
100	16	80	15,300	10	Gafa10016080	5055186522247
100	16	120	15,300	10	Gafa10016120	5055186522261
115	22	40	13,300	10	Gafa11522040	5055186522308
115	22	60	13,300	10	Gafa11522060	5055186522322
115	22	80	13,300	10	Gafa11522080	5055186522346
115	22	120	13,300	10	Gafa11522120	5055186522360
125	22	40	12,000	10	Gafa12722040	5055186522407
125	22	60	12,000	10	Gafa12722060	5055186522421
125	22	80	12,000	10	Gafa12722080	5055186522445
125	22	120	12,000	10	Gafa12722120	5055186522469
180	22	40	8,600	10	Gafa18022040	5055186522506
180	22	80	8,600	10	Gafa18022080	5055186522544
Glass Fibre Backed Angled Face – FBX						
100	16	40	15,300	1	Gafbx10016040*	5055186509323
115	22	40	13,300	1	Gafbx11522040*	5055186509385
115	22	60	13,300	1	Gafbx11522060*	5055186509408
115	22	80	13,300	1	Gafbx11522080*	5055186509422
127	22	60	12,000	1	Gafbx12722060*	5055186509460
127	22	80	12,000	1	Gafbx12722080*	5055186509484
Flexi Glass Fibre Backed – FLXZ						
115	22	40	13,300	1	Gaflz11522040*	5055186527785
115	22	60	13,300	1	Gaflz11522060*	5055186527808
115	22	120	13,300	1	Gaflz11522120*	5055186527846
Jumbo Fibre Backed Angle Face – JBZ						
100	16	80	15,300	1	GAJBZ10016080*	5055186521820
115	22	60	13,300	1	GAJBZ11522060*	5055186521868
115	22	80	13,300	1	GAJBZ11522080*	5055186521882

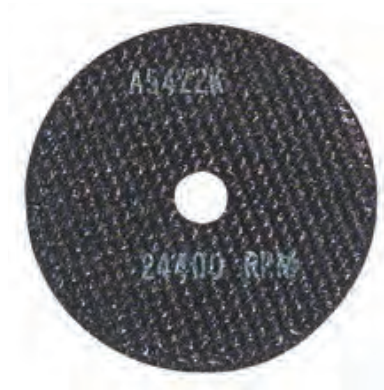
*Not available once current stock is depleted.

Garryson® Abrasives, Burrs & Routers

Aluminium oxide grade.

Reinforced with woven fibre glass of the highest tensile strength enabling them to withstand severe peripheral, side and edge stress.

Ideal for preparing, cut-off notching and slotting and grinding out defects on a wide range of materials, including ceramics, mild steel, aluminium, titanium and nimonics.



Disc Diameter mm	Thickness mm	Hole Diameter mm	Grit	Max. RPM	Pieces	Item #	Barcode
Saftex Wheels - Cut Off Discs							
50	0.8	9.5	80	30,500	1	GAS20031	5055186527341
50	1.6	9.5	54	30,500	1	GAS20062	5055186527365
50	3.2	9.5	36	30,500	1	GAS20125	5055186527402
62.5	0.8	9.5	80	24,400	1	GAS25031	5055186527426
62.5	2.4	9.5	54	24,400	1	GAS25093	5055186527464
75	0.8	9.5	80	20,300	1	GAS30031	5055186527501
75	1.6	9.5	54	20,300	1	GAS30062	5055186527525
75	2.4	9.5	54	20,300	1	GAS30093	5055186527549
100	0.8	9.5	80	15,280	1	GAS40031	5055186527587
100	1.6	9.5	54	15,280	1	GAS40062	5055186527600
Saftex Mandrels							
1/4"	3/8"					GAS3814	
6mm	3/8"					GAS3806	

Abrasives Blocks - Rubber

Garryson®

Abrasives, Burrs & Routers

Ideal for removing of bluing of welds, light scratches and corrosion.

Garryflex® Blocks offer a consistent finish throughout the life of the block compared to other abrasive cloths and papers.



Size	Colour	Grit	Item #	Barcode
Abrasive Blocks - Rubber				
80 x 50 x 20mm	Blue	60 Coarse	GA060B	5055186542153
80 x 50 x 20mm	Grey	120 Medium	GA120G	5055186542160
80 x 50 x 20mm	Brown	240	GA240B	5055186542177



ROTARY TOOLS

- Carving, Engraving & Milling • Grinding & Sharpening • Sanding
- Cleaning & Polishing • Cutting & Roughing • Accessories



ROTARY TOOLS

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Carving, Engraving & Milling Steel Engraving Cutters



For carving, engraving and routing on wood, fibreglass, soft metal, plaster and plastic.



Description	Diameter mm	O/A Length	Shank mm	Pieces	Item #	Barcode
Steel Engraving Cutters						
Ball	1.4	43	2.35	2	M.1010	8011017090009
Ball	2.3	43	2.35	2	M.1020	8011017090016
Cylindrical	2.3	44	2.35	2	M.1080	8011017090030
Reverse Taper	1.4	44	2.35	2	M.1120	8011017090047
Countersink	2.3	45	2.35	2	M.1270	8011017090078

Carving, Engraving & Milling Steel Milling Cutters



For carving, engraving, milling, slotting and countersinking on wood, fibreglass, soft metal, plaster and plastic.



Description	Diameter mm	O/A Length	Shank mm	Pieces	Item #	Barcode
Steel Milling Cutters						
Ball	4.0	45	2.35	1	M.1030	8011017090092
Ball	6.0	35	3.0	1	M.1050	8011017090108
Oval	7.8	39	3.2	1	M.1065	8011017092928
Cylindrical	6.0	36	3.0	1	M.1100	8011017090115
Cylindrical	7.8	39	3.2	1	M.1105	8011017092935
Cone	3.0	34	3.0	1	M.1240	8011017090146
Point	6.0	35	3.0	1	M.1310	8011017090153
Wheel	9.5	38	3.2	1	M.1375	8011017092942

Carving, Engraving & Milling Tungsten Carbide Cutters



For material removal, smoothing and shaping. Particularly indicated for hardened and stainless steel, cast iron, non-ferrous metal, fired ceramic, wood, plastic and other hard materials.



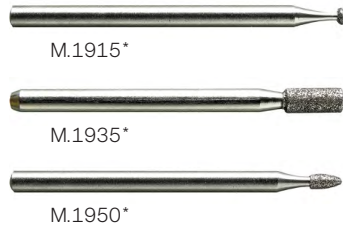
Description	Diameter mm	O/A Length	Shank mm	Pieces	Item #	Barcode
Tungsten Carbide Cutters						
Cylindrical	1.8	46	2.35	1	M.1540	8011017090191
Cylindrical	3.0	38	3.0	1	M.1550	8011017090207

*Shown at actual size.

Carving, Engraving & Milling Diamond Cutters

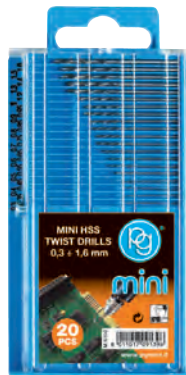


Coated with diamond particles, especially indicated for fine detail works like engraving, carving, or finishing materials like glass, ceramic, semi-precious stones, metal, wood and other hard materials.



Description	Diameter mm	O/A Length	Shank mm	Pieces	Item #	Barcode
Diamond Cutters						
Ball	1.8	45	2.35	1	M.1915	8011017090269
Cylindrical	3.2	44	2.35	1	M.1935	8011017090283
Flame	1.6	44	2.35	1	M.1950	8011017090290
Point	2.8	44	2.35	1	M.1970	8011017090306
Disc	5.0	44	2.35	1	M.1980	8011017090313

Carving, Engraving & Milling Drills

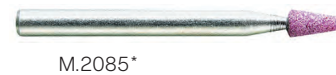


Description	Diameter mm	Pieces	Item #	Barcode
Drill Set				
Mini HSS Twist Drills	0.3 - 1.6	20	M.6100	8011017091396

Grinding & Sharpening Ruby Grinding Stones



High abrasive power. For sharpening, deburring and general grinding of most materials. Particularly indicated for precision grinding.



Description	Diameter mm	O/A Length	Shank mm	Pieces	Item #	Barcode
Ruby Corundum Grinding Stones						
Cylindrical	5 x 10	46	3.0	2	M.2025	8011017090375
Cylindrical	10 x 12	48	3.0	2	M.2055	8011017090399
Cylindrical	12 x 15	50	3.0	2	M.2070	8011017090405
Cone	3 x 8	42	2.35	2	M.2085	8011017090412
Cone	5 x 10	44	2.35	2	M.2100	8011017090429
Bullet	10 x 20	54	3.0	2	M.2145	8011017090450
Ruby Corundum Wheel Grinding Stones						
Wheel	22			2	M.2610	8011017090603

Grinding & Sharpening Silicon Grinding Stones



Silicon carbide grinding stones have very high abrasive power. For sharpening hard metal tools and for finishing and precision works. For engraving and working stone, glass, crystals, ceramic and porcelain.



Description	Diameter mm	O/A Length	Shank mm	Pieces	Item #	Barcode
Silicon Carbide Grinding Stones						
Round	6 x 10	42	3.0	2	M.2465	8011017090566

Grinding & Sharpening Dressing Stones



For restoring, cleaning and reshaping of grinding stones.



Description	Size mm	Pieces	Item #	Barcode
Dressing Stone				
Double Grain	16 x 12 x 65	1	M.2910	8011017090672

*Shown at actual size.

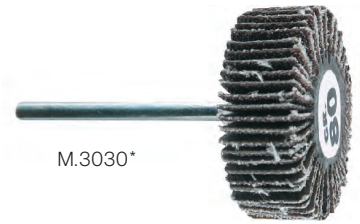
Sanding Flap Sanding Wheels



For grinding and polishing of metal, rubber and plastic flat and contoured surfaces and for rust removal.



M.3020*



M.3030*

Description	Diameter mm	Thickness mm	Grit	Shank mm	Pieces	Item #	Barcode
Flap Sanding Wheels							
Flap Sanding Wheel	20	5	80	3.0	1	M.3020	8011017090689
Flap Sanding Wheel	30	10	80	3.0	1	M.3030	8011017090696

Sanding Adhesive Discs



For sanding, grinding, shaping wood, plastic, rubber and removing rust from metal surfaces.



M.3210



M.3220*



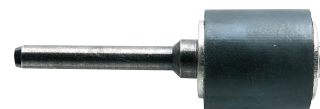
M.3230*

Description	Diameter mm	Grit	Shank mm	Pieces	Item #	Barcode
Adhesive Discs						
Adhesive Disc	20	100		10	M.3220	8011017090719
Adhesive Disc	20	220		10	M.3230	8011017090726
Backing Pad						
Rubber Backing Pad + 6 Adhesive Sanding Discs	20		3.2	7	M.3210	8011017090702

Sanding Bands & Drum Mandrels



For sanding, grinding, shaping wood, plastic, rubber and removing rust from metal surfaces.



M.3610*



M.3620*



M.3630*

Description	Diameter mm	Length mm	Grit	Shank mm	Pieces	Item #	Barcode
Sanding Bands							
Sanding Band	13	13	60		12	M.3620	8011017090740
Sanding Band	13	13	120		12	M.3630	8011017090757
Sanding Band	6.3	13	60		12	M.3680	8011017092997
Sanding Band	6.3	13	120		12	M.3690	8011017093000
Sanding Band Drum Mandrels							
Sanding Band Drum Mandrel	13	13		3.2	1	M.3610	8011017090733
Sanding Band Drum Mandrel	6.3	13		3.2	1	M.3670	8011017092980

*Shown at actual size.

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Cleaning & Polishing Steel Brushes



For cleaning and deburring metal, wood and plastic, for removing rust and corrosion and cleaning welding connections.



Description	Diameter mm	Shank mm	Pieces	Item #	Barcode
Steel Brushes					
Steel End Wire Brush	5	2.35	1	M.4005	8011017090764
Steel Cup Brush	12	2.35	1	M.4010	8011017090771
Steel Wheel Brush	21	2.35	1	M.4015	8011017090788

Cleaning & Polishing Brass Brushes



For cleaning, deburring and polishing wood, soft metals like gold, copper and brass without scratching and for cleaning electric components.



Description	Diameter mm	Shank mm	Pieces	Item #	Barcode
Brass Brushes					
Brass End Wire Brush	5	2.35	1	M.4055	8011017090801
Brass Cup Brush	12	2.35	1	M.4060	8011017090818
Brass Wheel Brush	21	2.35	1	M.4065	8011017090825

Cleaning & Polishing Black Bristle Brushes



For light deburring, cleaning and polishing. Particularly indicated for silverware, jewellery and other precious materials.



Description	Diameter mm	Shank mm	Pieces	Item #	Barcode
Black Bristle Brushes					
Black Bristle End Wire Brush	5	2.35	1	M.4105	8011017090849
Black Bristle Cup Brush	12	2.35	1	M.4110	8011017090856
Black Bristle Wheel Brush	21	2.35	1	M.4115	8011017090863

*Shown at actual size.

Cleaning & Polishing Rubber Points



For finishing and polishing all ferrous metals, removing of scratches and imperfections and cleaning of carving on ceramic, ferrous materials and most stones



Description	Diameter mm	Shank mm	Pieces	Item #	Barcode
Rubber Polishing Points					
Flame	6	3.0	1	M.4505	8011017090948
Bullet	5	3.0	1	M.4510	8011017090955
Cylindrical	6	3.0	1	M.4515	8011017090962

Cleaning & Polishing Disc, Taper & Paste



Brown Rubber Polishing Disc suitable for polishing and removing scratches on ferrous materials, stones and ceramics.

Felt Taper suitable for polishing metal, glass, ceramics, marbles, precious metals, stones and plastic.



M.4595*



M.4605*



M.4605*

Description	Diameter mm	Thickness mm	Shank mm	Pieces	Item #	Barcode
Polishing Disc						
Brown Rubber Polishing Disc	22	3		2	M.4595	8011017090979
Felt Taper Polisher						
Felt Taper	11		2.35	1	M.4605	8011017090986
Polishing Paste						
Universal Pre-Polishing Paste	35			1	M.4905	8011017091075

*Shown at actual size.

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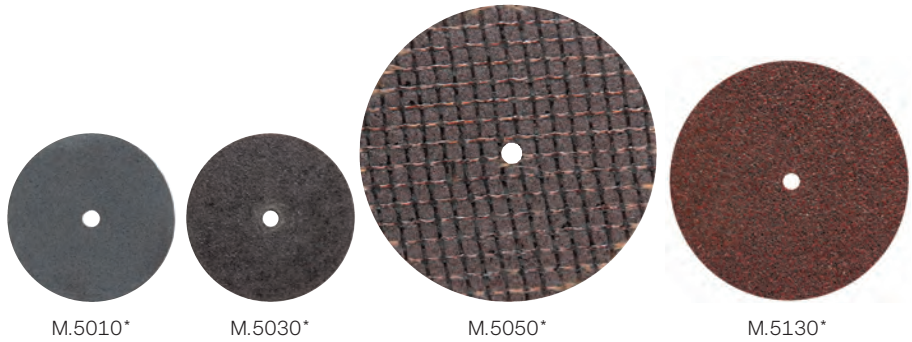
Cutting & Roughing Cutting Discs



M.5010 For cutting and grooving glass. Suitable also for metal plates, wood and plastic.

M.5030 & M.5050 For cutting and slotting bolts, screws, metal plates, thin wood and plastic.

M.5130 For roughing and slotting metal, ceramic and plastic.

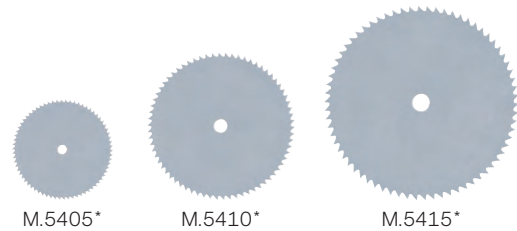


Description	Diameter mm	Thickness mm	Pieces	Item #	Barcode
Cutting Discs					
Ultra-Thin Cutting Disc	22	0.25	5	M.5010	8011017091105
Thin Cutting Disc	22	0.6	10	M.5030	8011017091112
Reinforced Cutting Disc	40	1.0	5	M.5050	8011017091136
Metal Roughing Disc	32	2.2	2	M.5130	8011017091143

Cutting & Roughing Mini Steel Saw Blades



For cutting plastic (electronic boards), wood and non-ferrous metals.

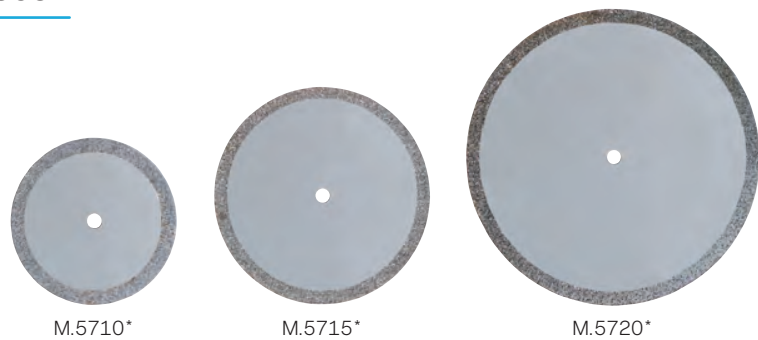


Description	Diameter mm	Pieces	Item #	Barcode
Mini Steel Saw Blades				
Mini Steel Saw Blade	13	1	M.5405	8011017091150
Mini Steel Saw Blade	19	1	M.5410	8011017091167
Mini Steel Saw Blade	25	1	M.5415	8011017091174

Cutting & Roughing Diamond Discs



For cutting and grinding materials harder than metal, like marble, stone, porcelain, ceramic and hard resins. It allows an extreme precision while cutting and a long life.



Description	Diameter mm	Pieces	Item #	Barcode
Diamond Discs				
Diamond Disc	22	1	M.5710	8011017091181
Diamond Disc	30	1	M.5715	8011017093314
Diamond Disc	40	1	M.5720	8011017093321

*Shown at actual size.

Accessories Collets



M.8010

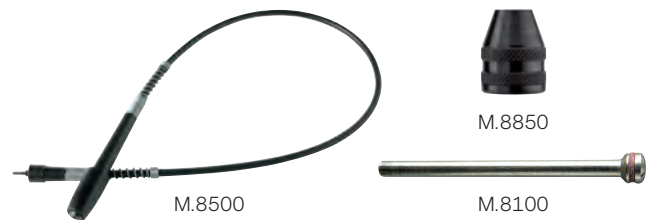
M.8020

Description	Pieces	Item #	Barcode
Collet Sets			
0.8, 2.35, 3.0, 3.2mm & Collet Nut (B&D, Dremel)	5	M.8020	8011017093024
1.0, 1.5, 2.35, 3.0, 3.2mm & Collet Nut (MC, PGM, PXN)	6	M.8010	8011017093017

Accessories Shafts, Chucks & Mandrels



A complete range of tools and universal accessories suitable for all precision rotary tools.



M.8500

M.8850

M.8100

Description	Size mm	Shank mm	RPM	Pieces	Item #	Barcode
Flexible Shafts						
Flexible Mini Shaft, 3 Collets & Collet Nut	800	3.0	30,000	5	M.8500	8011017091426
Chucks						
Keyless Chuck	0.4 - 3.2		10,000	1	M.8550	8011017091389
Mandrels						
Screw Mandrel		3.0	30,000	1	M.8100	8011017091358
Reinforced Screw Mandrel		2.35	30,000	1	M.8110	8011017091365

Accessories Kits



A complete range of tools and universal accessories suitable for all precision rotary tools.



M.8210

M.8230

M.8250

M.8270

Description	Pieces	Item #	Barcode
Accessory Kits			
Engraving Kit	10	M.8210	8011017093031
Grinding Kit	10	M.8230	8011017093048
Cleaning Kit	9	M.8250	8011017093055
Cutting Kit	5	M.8270	8011017093062

Accessories Set



For all brand of mini-rotary tools. In plastic modular anti-shock case with anti-slip reinforcements.

Applications: sanding, cleaning, polishing, grinding, cutting, drilling, engraving and carving.



PG195A



PG290A



Description	Pieces	Item #	Barcode
Rotary Tool Accessory Sets			
195 Pce Set	195	PG195A	8011017071077
290 Pce Set	290	PG290A	8011017071435

Rotary Tool Kits



Ergonomically designed housing for comfortable gripping and rubberised body. Powerful high torque motor and variable speed for increased versatility.



M.9700

Description	Power	Voltage	RPM	Cable Length	Pieces	Item #	Barcode
Rotary Tool Kits							
Includes 4 assorted collets and 1 wrench	170 Watt	230 V / 50 Hz	8,000 - 35,000	1.7m	6	M.9700	8011017093765
Includes 80 assorted accessories with handy carry and storage case	170 Watt	230 V / 50 Hz	8,000 - 35,000	1.7m	81	M.9750	8011017093772



M.9750



HAND TOOLS

- Diamond Sharpeners • Files • Punches • Deburring Tools & Blades • Holding Systems
- Cooling Systems • Pliers & Clamps • Measuring Tools • Literature • Cutting Lubricants

HAND TOOLS

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Camping

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Gardening



EZE-LAP Diamond products have been the pioneer and originator of diamond sharpeners since the early 1970's. Our unique diamond process and modern technology allows EZE-LAP to produce the finest quality diamond products for the lowest possible price. The superior process of heat treatment that bonds the highest quality industrial grade diamond particles in a stainless alloy to a precision matched metal substrate has been imitated but has never come close to being duplicated.

The resulting surface integrity from the EZE-LAP process measures about 72 on the Rockwell C hardness scale.

By utilizing our technology, EZE-LAP has created a surface that works on carbide, ceramic, tool steel, hardened materials and newer stainless steels that are utilized by most major knife manufacturers today.

EZE-LAP manufactures a wide variety of diamond products.

This allows the customer to pick and choose the model(s) they believe will best serve their needs. The vast array of

diamond sharpeners in the product line include small pocket size flat stones and compact, portable, round diamond sharpeners that are ideally suited for the fisherman, sportsman, or the outdoors person, to the larger diamond bench stones ideal for the workshop.

There are even household and professional size diamond steels for the chef, gourmet, or meat cutter. EZE-LAP manufactures products using five different diamond grits. This wide selection in diamond sizes allows you to match the right diamond surface to your specific sharpening application.

In addition to the flat and round sharpeners, EZE-LAP offers several special use diamond sharpening tools, which include chain saw sharpeners, needle files, flat hand files, and oval sharpeners. EZE-LAP boasts about its quality. We are proud to offer the flattest, most consistent production diamond tools available on the market today. Even after years of satisfaction, EZE-LAP customers are still amazed at the quality and consistency of the finishes that are achieved by the diamond tools.

Grit Descriptions: EZE-LAP manufactures products using five different diamond grits. This wide selection of diamond grits allows you to match the right diamond surface to your specific sharpening needs.

Grade	Application	Grit	Colour Code
Super Fine - SF	Used to achieve the ultimate finish. This grit is best for providing a finished, polished edge. Ideally suited for woodworking and industrial applications where the finest finish is necessary. Available on all flat products and all oval sharpening steels.	1200	Blue
Fine - F	Our best general purpose grit. We feel that the great majority of your sharpening needs can be performed by our Fine grit. It has the abrasive ability to effectively sharpen a dull knife to a razor edge quickly and easily. The Fine grit is offered on all EZE-LAP products.	600	Red
Medium - M	When you need a surface that will sharpen quickly but can still achieve a high quality finish the medium grit is perfect for you. This grit is great for re establishing an angle on an edge, taking nicks or chips out of an edge, flattening the soles of hand planes, backs of a chisel or on many lawn and garden tools. Also a good choice for flattening water stones.	400	Purple
Coarse - C	For when you need to get the job done quickly and are looking for rapid metal removal. This grit lends itself well for sharpening axes, shovels, garden tools, shop tools and deburring. Can also be used for flattening of water stones. Coarse is available on flat tools only.	250	Black
Extra Coarse - XC	For very fast aggressive metal removal. Great for roughing in or prepping a surface for final finish. Also used for deburring. Extra Coarse is available on flat tools only.	150	Green

Diamond Sharpeners Pen Style



Stores in a pen type cap.

Clips to pocket, pouch or backpack for easy access in field and workshop.

Suitable for fishing knives, pocket knives, multi-tools, hooks, darts, needles, points, jewellery making.



S



Application

DIY
Outdoor
Farming
Fishing
Jewellery Making

Size	Description	Grade	Grit	Pieces	Item #	Barcode
Pen Type						
5 1/2"	D Shaped Shaft with Groove for Fishhooks	F	600	1	S	081819130010

Diamond Sharpeners Hone & Stone



Suitable for carbides, carbide table saw blades, router bits, deburring, hunting and fishing knives, axes, woodworking tools.



LF



Application

DIY
Outdoor
Farming
Fishing
Hospitality
Gardening
Woodworking
Metalworking

Size	Description	Grade	Grit	Pieces	Item #	Barcode
Hone & Stone						
6" x 3/4"	Fine Grit - Red Handle	F	600	1	LF	081819120011
6" x 3/4"	Medium Grit - Purple Handle	M	400	1	LM	081819120028
6" x 3/4"	Coarse Grit - Black Handle	C	250	1	LC	081819120035

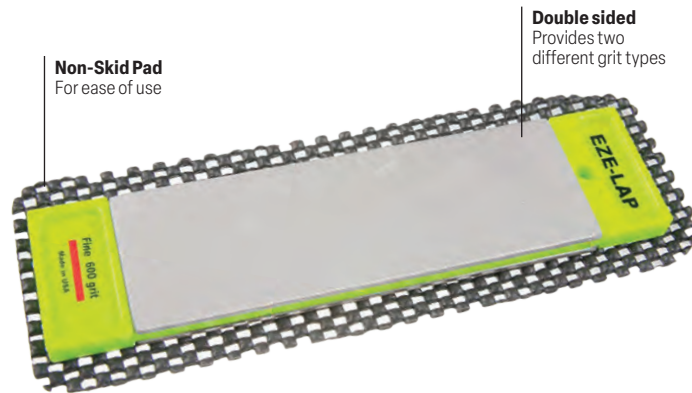
Diamond Sharpeners Double Sided Stone



Double-sided stone in grit combinations.
Reshape with heavier sided grit, and polish with lighter grit.
Non-slip mat for ease of use.



DD6SF/F



Application

DIY
Hospitality

Size	Description	Grade	Grit	Pieces	Item #	Barcode
Double Sided Stone (Includes a Non-Skid Pad)						
2" x 6"	Super Fine/Fine Grit Stone	SF/F	1200/600	1	DD6SF/F	081819446012

Diamond Sharpeners Bench Stone



Suitable for hunting and fishing knives, woodworking tools, axes, machetes, lawn and garden tools, kitchen and industrial uses.
The stones stay flat and will not dish out or groove.
No oil or water is necessary.



62F



Application

DIY
Outdoor
Farming
Fishing
Hospitality
Gardening
Woodworking
Industrial

Size	Description	Grade	Grit	Pieces	Item #	Barcode
Bench Stone (Includes Walnut Pedestal)						
2" x 6"	Fine Grit Stone on a Walnut Pedestal	F	600	1	62F	081819006216
Bench Stone						
2" x 6" x 1/4"	Medium Grit Stone	M	400	1	61M	081819006124
2" x 8" x 1/4"	Super Fine Grit Stone	SF	1200	1	71SF	081819007107
2" x 8" x 1/4"	Fine Grit Stone	F	600	1	71F	081819007114
2" x 8" x 1/4"	Medium Grit Stone	M	400	1	71M	081819007121

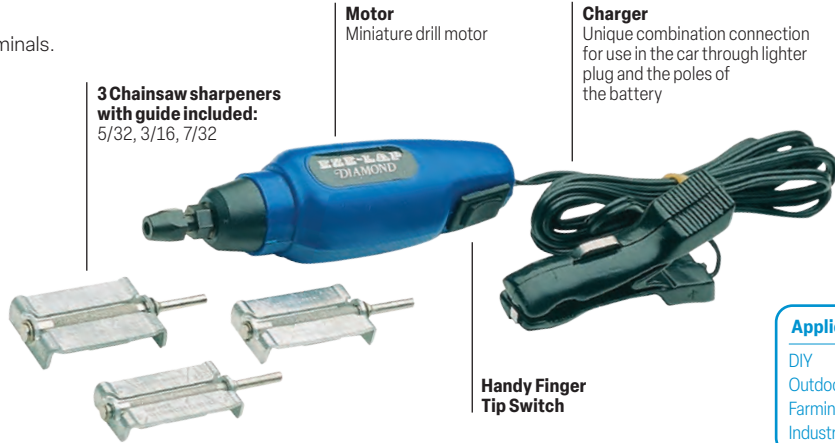
Diamond Sharpeners Chainsaw



12 volt chainsaw sharpening kit.
Designed for cigarette lighter or battery terminals.
Precision guide for efficient sharpening.



CSG 3/16



3 Chainsaw sharpeners with guide included:
5/32, 3/16, 7/32

Motor
Miniature drill motor

Charger
Unique combination connection for use in the car through lighter plug and the poles of the battery

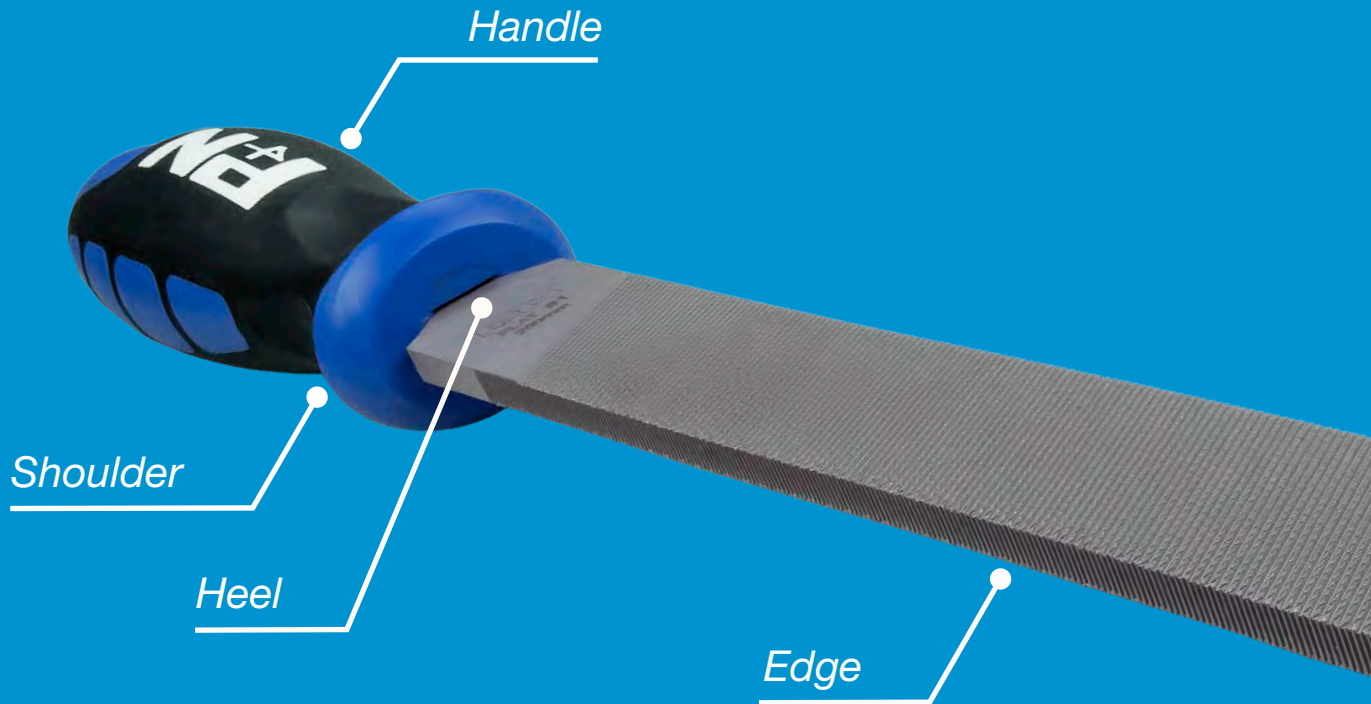
Handy Finger Tip Switch

Application
DIY
Outdoor
Farming
Industrial

EZELAP Diamond Sharpener Kit CSK

Size	Description	Shank	Pieces	Item #	Barcode
4 Pce Chainsaw Sharpening Kit					
5/32", 3/16", 7/32"	12-Volt Chainsaw Sharpening Kit	1/8	4	CSK	081819110029
Chainsaw Files with Precision Guide					
5/32"	Diamond chainsaw file with precision guide	1/8	1	CSG 5/32	081819700527
3/16"	Diamond chainsaw file with precision guide	1/8	1	CSG 3/16	081819700329
7/32"	Diamond chainsaw file with precision guide	1/8	1	CSG 7/32	081819700725

Choosing The Right File



1 Profile

The profile of your file should be the first consideration in tool selection. Choose a profile that best matches your application.



FLAT

Multi-purpose use on flat and curved external surfaces. Designed for smoothing, removing burrs & sharp edges.



HALF ROUND

For multi-purpose use on concave surfaces, crevices & the rounding out of holes. Can also be used on the flat face.



SQUARE

For filing slots, keyways, splines and the inside corners of rectangular or square holes.



ROUND

For filing & enlarging holes, circular or rounded grooves.



TRIANGULAR

Used for sharpening saw teeth and internal corners.

2 Length

The required stroke length will help to select the correct file length. File length is measured from heel to tip.

3 Cut Type



BASTARD CUT

Coarse finish. For faster stock removal.



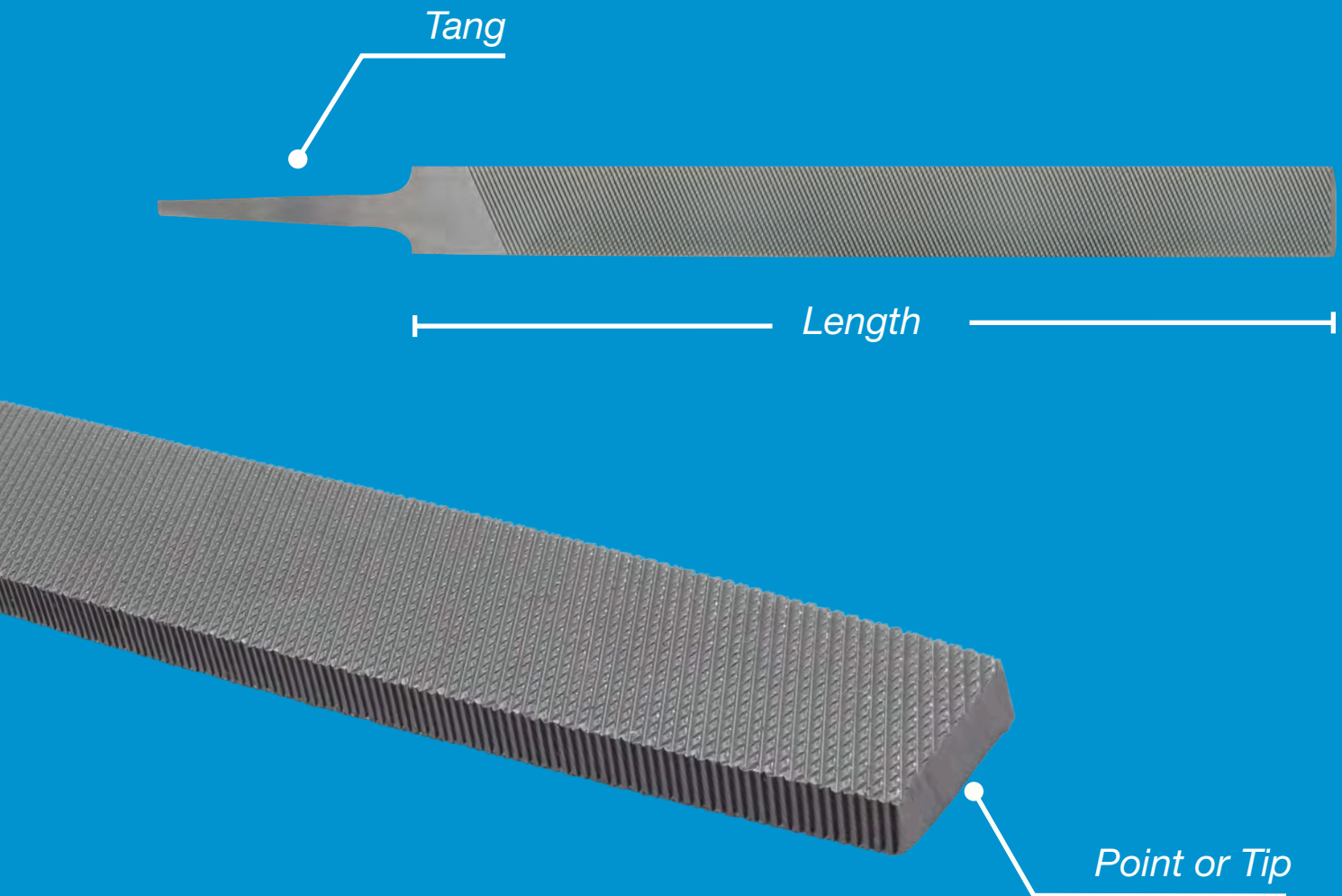
SECOND CUT

Medium to coarse finish. For moderate stock removal.



SMOOTH CUT

Fine finish. For smooth surface finish.



4 File Usage

How to use a file correctly

There are three methods to use a file:

Straight filing: Pushing the file lengthwise (straight ahead or slightly diagonally) across the workpiece.

Draw filing: Holding the file at each end, pushing and drawing it across the workpiece.

Lathe filing: Holding the file against the workpiece in a lathe.

How to hold a file

Single Handed Operation:

Hold with the handle resting in your palm with your forefinger at the top of the handle pointing to the tip.

Two Handed Operation:

Hold with the handle resting in your palm with your thumb at the top of the handle pointing to the tip.

Grip the point of the file in the other hand between the thumb and the first two fingers with the thumb being on the top of the file.

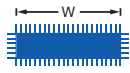
Helpful Hints

- Hold the workpiece in a vice at a suitable height.
- To prevent damage to workpiece, use protectors between the workpiece and vice jaws.
- When heavy pressure is required, hold file at tip with thumb pointing forward in line with the file. For lighter pressure, place thumb at right angle to file.
- File on forward stroke only, lifting on back stroke to prevent damaging the file.

Care of the file

- A new file should be used with light pressure in the beginning, preferably on a surface which has been filed earlier.
- Keep file stored away from any water or grease.
- Use a wire brush to clean the file teeth.
- Do not use oil on the file.

Files



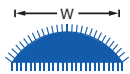
Engineers Flat

For flat and curved external surfaces. Designed for smoothing, removing burrs and sharp edges.



Length	Width (mm)
Engineers Flat	
150	16.5
200	20.9
250	25.0
300	29.5

Item #	Item #	Item #
Bastard	Second	Smooth
PW3001061	PW3001062	PW3001063
PW3001081	PW3001082	PW3001083
PW3001101	PW3001102	PW3001103
PW3001121	PW3001122	PW3001123



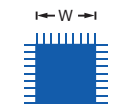
Engineers Half Round

Multi-purpose file for use on concave surfaces and crevices and the rounding out of holes.



Length	Width (mm)
Engineers Half Round	
150	16.9
200	21.3
250	25.4

Item #	Item #	Item #
Bastard	Second	Smooth
PW3011061	PW3011062	-
PW3011081	PW3011082	PW3011083
PW3011101	PW3011102	-



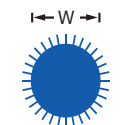
Engineers Square

For filing slots, keyways, splines and the inside corners of rectangular or square holes.



Length	Width (mm)
Engineers Square	
150	5.6
200	8.0
250	9.6

Item #
Bastard
PW3031061
PW3031081
PW3031101



Engineers Round

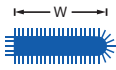
Round files are ideal for enlarging or elongating holes. Bastard cut for rapid stock removal.



Length	Width (mm)
Engineers Round	
150	5.9
200	7.7
250	9.0
300	11.4

Item #	Item #
Bastard	Second
PW3021061	PW3021062
PW3021081	PW3021082
PW3021101	PW3021102
PW3021121	

Files



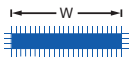
One Round Edge Mill

For sharpening saws and other tools that require a fine finish. The round edge also allows the filing of saw gullets.



Length	Width (mm)
1 Round Edge Mill	
150	15.8
200	20.0
250	24.0

Item #
Bastard
PW3111061
PW3111081
PW3111101



Two Square Edge Mill

For sharpening saws and other tools that require a fine finish.



Length	Width (mm)
2 Square Edge Mill	
150	15.4
200	20.4
250	24.0

Item #
Bastard
PW3101061
PW3101081
PW3101101



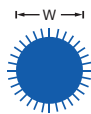
Slim Taper

For sharpening saws with a 60° tooth angle.



Length	Width (mm)
Slim Taper	
100	6.0
150	8.3
Extra Slim Taper	
100	4.8
150	7.0

Item #
Second Cut
PW3121042
PW3121062
PW3131042
PW3131062



Chainsaw

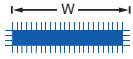
For sharpening chainsaw teeth. Matched to specific chain sizes, the round edge allows the filing of saw gullets.



Length	Width (mm)
Chainsaw Files	
200	3.2
200	4.0
200	4.8
200	5.6
200	6.4

Item #
Chainsaw Cut
PW3201381
PW3201481
PW3201581
PW3201681
PW3201781

Files



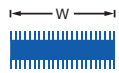
Warding

Warding files are ideal for delicate shaping of grooves, locks and more. Bastard cut for rapid stock removal.



Length	Width (mm)
Warding File	
150	16.6

Item #	Item #
Bastard	Second
PW3141061	PW3141062



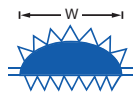
Contact Point

Contact point files create a smooth surface on distributor points. Also commonly used in toolmaking.



Length	Width (mm)
Contact Point	
133	8.3

Item #
Bastard
PW3151073



Wood Rasp Half Round

Multi-purpose rasp for use on concave surfaces and crevices, and the rounding out of holes.



Length	Width (mm)
Rasp Files	
250	25.0

Item #
Bastard
PW3301101

File Brush

Wire brush for cleaning clogged file teeth to ensure longer file life.



Length (mm)
Accessories
180

Contents	Pieces	Item #	Barcode
Metal File Brush	1	PW3490050	9311744447671

Files Sets



Sets

Compact storage ideal for your tool box or workshop.



PW3409061



PW3409081



PW3409101

Length (mm)	Contents	Pieces	Item #	Barcode
File Sets				
150	Bastard: Flat, Half-Round, Round, Square Second Cut: Flat	5	PW3409061	9311744447640
200	Bastard: Flat, Half-Round, Round, Square Second Cut: Flat	5	PW3409081	9311744447657
250	Bastard: Flat, Half-Round, Round, Square Second Cut: Flat	5	PW3409101	9311744447664



386911607

Contents	Case	Pieces	Item #	Barcode
Needle File Set				
160mm File Handle, Warding-flat, Three Square, Flat, Square, Round, Half Round	Plastic	7	386911607	9311744438136

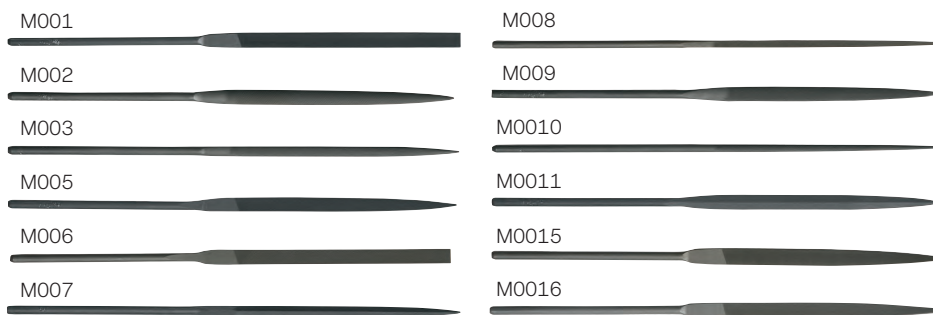
*New look packaging depicted. Actual product packaging may differ from image shown.

Files Needle Files



M305 M020

M305 M060



Shape	Style	Length	Code	Pieces	Order Qty	Item #	Barcode
3 Sided Triangle Needle File (with integrated, round handle)							M305
	Triangle	160	M007	1	12*	M305M007*	9311963708799
Needle File Sets (in plastic wallet)							
Contains 1 each: M001, M002, M006, M007, M008, M010				6	1	M305M020	9311963708959
Contains 1 each: M001, M002, M003, M005, M006, M007 M008, M009, M010, M011, M015, M016				12	1	M305M060	9311963708966
	Pillar	160	M001				
	Half Round	160	M002				
	Crossing	160	M003				
	Knife Edge	160	M005				
	Warding	160	M006				
	Triangle	160	M007				
	Square	160	M008				
	Oval	160	M009				
	Round	160	M010				
	Barrett	160	M011				
	Crochet	160	M015				
	Pillar (Round edges)	160	M016				

*Order in multiples of 12

Punches Carbon Steel



Made from high quality carbon steel.
The point is hardened and tempered to withstand continuous use.
All punches have well cut knurling to provide positive finger grip.



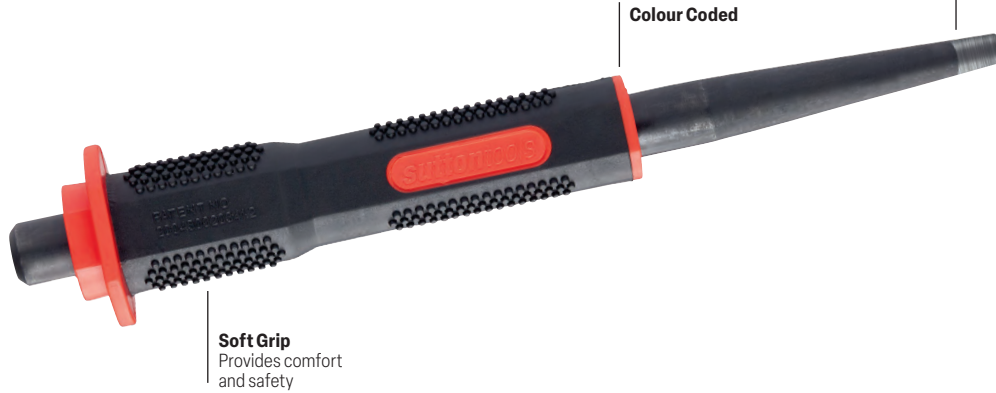
Description	Pieces	Item #	Barcode
Short Pin Punches			
Set: 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 6.5mm	7	M700PP7S	9311963153025
Long Pin Punches			
Set: 2.5, 3.0, 4.0, 5.0, 6.0, 6.5, 8.0, 10.0mm	8	M701PP8L	9311963109312

Punches



All Sutton punches are made from high quality chrome vanadium steel, black oxide. The point is hardened and tempered to withstand continuous use. Ergonomic soft rubber grip provides comfort and safety.

High quality
Made from high quality chrome vanadium steel, black oxide



Colour Coded

Soft Grip
Provides comfort and safety

Description	O/A Length	Pieces	Item #	Barcode
Roofing Punches				
6.0	195	1	M7110600	9311963569956
Flooring Punches				
5.0	185	1	M7120500	9311963569963
Centre Punches				
2.0	165	1	M7070200	9311963569628
3.0	165	1	M7070300	9311963569635
4.0	175	1	M7070400	9311963569642
5.0	175	1	M7070500	9311963569659
6.0	175	1	M7070600	9311963569666
8.0	185	1	M7070800	9311963569673
10.0	185	1	M7071000	9311963569680
12.0	185	1	M7071200	9311963569697
Set (2, 3, 4, 5, 6mm)		5	M7070005	9311963569703
Nail Punches				
1.5	160	1	M7090150	9311963569802
2.0	175	1	M7090200	9311963569819
2.5	175	1	M7090250	9311963569826
3.0	175	1	M7090300	9311963569833
4.0	175	1	M7090400	9311963569840
5.0	180	1	M7090500	9311963569857
6.0	180	1	M7090600	9311963569864
Set (2, 3, 4, 5, 6mm)		5	M7090005	9311963569871
Pin Punches				
2.0	165	1	M7060200	9311963569536
3.0	175	1	M7060300	9311963569543
4.0	185	1	M7060400	9311963569550
5.0	200	1	M7060500	9311963569567
6.0	200	1	M7060600	9311963569574
8.0	210	1	M7060800	9311963569581
10.0	220	1	M7061000	9311963569598
12.0	230	1	M7061200	9311963569604
Set (2, 3, 4, 5, 6mm)		5	M7060005	9311963569611
Cold Chisels				
10	165	1	M7101000	9311963569888
12	165	1	M7101200	9311963569895
16	175	1	M7101600	9311963569901
19	175	1	M7101900	9311963569918
22	190	1	M7102200	9311963569925
25	210	1	M7102500	9311963569932
Set (10, 12, 16, 19, 25mm)		5	M7100005	9311963569949
Bolsters with Hand Guard				
Brick 75 x 19mm	225	1	M7137519	9311963569987



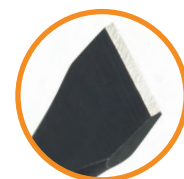
Centre Punch
Typically used as an aid to drilling operations. A drill will have a tendency to wander on the surface until it gains sufficient purchase to start cutting a hole.



Nail Punch
A nail punch is a short steel rod, usually tapered; used to drive a nail or brad below, or flush with, a wood surface.



Pin Punch
A pin punch is used as a driving tool, typically, as the name implies, to drive pins that are used to affix a fixture to a rotating shaft.



Cold Chisel
A cold chisel is a tool made of tempered steel used for cutting 'cold' metals and are not used in conjunction with heat. Cold chisels are used to remove waste metal when a very smooth finish is not required.

Countersink Tools



NONG1200

Rotodrive

- Quickest way to chamfer by hand
- Single flute countersink provides a smoother cut
- Range: 1-10.4mm
- Includes: NG-1 handle and RotoDrive BC1041 countersink



NONG1700

External Rotodrive

- Chamfers the O.D. on bars and tubes
- Quickest way to chamfer O.D. on almost all materials
- Range: 4-18mm
- Includes: NG-1 handle and external RotoDrive EX18 countersink



NONG3100

Countersink 20mm

- Standard tool for countersinking. Useful for chamfering deep holes
- Includes: NG-3 Handle, C Holder and C20 countersink (20mm)



NORC1000

Mini Reversible Countersink Handle

- Very fine tool for deburring both back and front sides of holes
- Range: 3-5.5mm
- Includes: Steel handle and R1 blade



NORC2000

Medium Reversible Countersink Handle

- For deburring both back and front sides of holes
- Range: 5-10mm
- Includes: Steel handle and R2 blade



NORC2200

Large Reversible Countersink Handle

- For deburring both back and front sides of holes
- Range: 10-22mm
- Includes: Steel handle and R3 blade

Description	Item #	Barcode
Countersink Tools		
Rotodrive	NONG1200	729000539541
External Rotodrive	NONG1700	7290005395444
Countersink 20mm	NONG3100	7290005395406
Mini Reversible Countersink Handle	NORC1000	7290003240630
Medium Reversible Countersink Handle	NORC2000	7290003240647
Large Reversible Countersink Handle	NORC2200	7290003236664

Countersink Tools Deburring



NOEO1000

Edge Off

- Disposable tool
- Handy pocket clip
- Includes: S10 blade mounted in an 8mm hexagonal aluminium handle



NONG1003

Burr 3

- Will do almost all of your deburring jobs
- Includes: NG-1 Handle, S10, S20 and S35 blades



NONG1005

Burr 5

- Will do almost all of your deburring jobs
- Suitable for coarse to extra fine deburring operations
- Includes: NG-1 Handle, S10, S20, S35, S101 and S202 blades



NONG3002

Tele Burr

- Highly popular tool
- Holds 2.6mm N blades
- Includes: NG-3 Handle, N Holder, N1 Blade and N2 Blade



NORB1000

Rapid Burr

- Steel housing for long life of handle
- Blade is replaceable
- Holds 3.2mm blades
- Includes: 12mm hexagonal aluminium painted handle and S10 Blade



NOTB1000

Teddy Burr

- Designed for hard to reach locations
- Blade is replaceable
- Steel housing for long life of handle
- Includes: 8mm painted hexagonal aluminium handle and N1 blade

Description	Item #	Barcode
Deburring Tools		
Edge Off	NOEO1000	7290003235520
Burr 3	NONG1003	7290005305290
Burr 5	NONG1005	7290005395307
Tele Burr	NONG3002	7290005395291
Super Burr	NONG3003	7290005395369
Rapid Burr	NORB1000	7290003236404
Teddy Burr	NOTB1000	7290003236787

Countersink Tools Scrapers



NONG3610

Triangular Scraper

- Ideal for standard scraping
- Includes: NG-3 handle, T holder and Scraper T60



NONG3700

Adjustable Mini Scraper

- Ideal for tool and die makers
- Includes: NG-3 handle, D holder, D50 triangular mini scraper blade and hex key



NONG3710

Adjustable Internal Scraper

- Ideal for cross-holes deburring
- Includes: NG-3 handle, D holder, and D66 Internal scraper blade



NOSC1000

Scraper

- Double end scraper for longer tool life
- Can be locked in required position
- Includes: Uni-handle and double ended T120 triangular scraper



NOSC8000

Adjustable Scraper

- Ideal for scraping, trimming and deburring almost all materials
- Includes: SC handle and T80 double ended triangular scraper blade

Description	Item #	Barcode
Scrapers		
Triangular Scraper	NONG3610	7290005391965
Adjustable Mini Scraper	NONG3700	7290005395482
Adjustable Internal Scraper	NONG3710	7290005395901
Scraper	NOSC1000	7290003236572
Adjustable Scraper	NOSC8000	7290003236701

Countersink Tools Double Edge Cutting



NODB1000



NODB5000



NONG1100



NONG3300



NONG3500

Double Burr Deburring Tool

- Simultaneously removes burrs from both sides of sheet metal
- Includes: DB Handle, Hand Guard and two N80 blades
- DB Handle with safety guard to protect your hand
- Unique round cutting blades can be rotated and reversed for long life
- Range: 0-12mm
- Hint: For corners, use one blade only

Ceramic Double Burr

- Ideal for deburring both sides of a workpiece simultaneously
- Blade can be replaced
- Includes: V-shaped ceramic blade mounted in ergonomically designed DB handle with safety guard to protect your hand

O-Ring Burr

- Removes burrs from internal O-ring grooves
- Range: 0-3mm (groove width)
- Includes: NG-1 handle and O-ring blade

Keyway Burr

- Effectively removes burrs from internal and external keyways
- Range: 2.4-11mm
- Includes: NG-3 handle, K holder and N80K blade

Heavy Duty External RotoDrive

- Patented. Chamfer the O.D. of Bars and tubes
- Continuous rotation enables very fast chamfering
- Range: 8 - 28 mm

Description	Item #	Barcode
Double Edge Cutting Tools		
Double Burr Deburring Tool	NODB1000	7290003235360
Ceramic Double Burr	NODB5000	729000539082
O-Ring Burr	NONG1100	7290005395871
Keyway Burr	NONG3300	7290005395864
Heavy Duty External RotoDrive	NONG3500	7290005395420

Countersink Tools Speciality



NOSG1000

Soft Grip

- Ergonomic handle
- Two holes accept both heavy and light duty S and N blades
- Includes: SG handle, S100 and N10 cobalt blades



NOEO2000

Plastic Edge Off

- Most competitive tool
- Holds all S blades (3.2mm)
- The blade is replaceable
- Includes: Plastic handle and S10 blade



NOLB1000

Liza Burr

- Double end blade holder to utilise both N blades and S blades (3.2mm diameter for heavy duty applications)
- Telescopes from 20-110 mm with N Blades
- Telescopes from 20-94 mm with S Blades
- Includes: Uni-handle, SN-holder, N1 & N2 blades



NONG3800

Leader Burr

- Chamfering straight or curved edges
- Ensures 45° chamfering
- Includes: NG-3 handle, LD holder and L1 blade



NOCR1100

Cera-Cut

- Ideal for deburring plastics and other soft materials
- Extremely long life, disposable tool
- Includes: 250mm convexed radius ceramic blade, mounted in ergonomically held handle with soft grip

Description	Item #	Barcode
Specialty Tools		
Soft Grip	NOSG1000	7290003236985
Plastic Edge Off	NOEO2000	7290003240234
Liza Burr	NOLB1000	7290003235902
Leader Burr	NONG3800	7290005397561
Cera-Cut	NOCR1100	7290003241620
Spider Burr	NOPC3000	7290005395796

Countersink Tools Handles



NONG1000

NG-1 Handle

- NG-1 holds all S blades (3.2mm)
- Spare blades are kept inside back cap
- Designed for maximum comfort in your hand



NONG3000

NG-3 Handle

- NG-3 holds all blade holders
- Spare blades are kept inside back cap
- Designed for maximum comfort in your hand



NOCR2100

Cera-Cut Handle

- A unique plastic handle that holds the blade by its self gripping taper.
- Storage space for spare blades.
- Length: 135mm



NOYT1000

YT Handle

- The perfect grip on Noga adjustable scrapers, Needle files, Pins and Drills
- Quick change
- Fits every hand
- Flexible collet
- Range: 2.2-4.5mm

Description	Item #	Barcode
Handles		
NG-1 Handle	NONG1000	7290005395314
NG-3 Handle	NONG3000	7290005395338
Cera-Cut Handle	NOCR2100	7290005393556
YT Handle	NOYT1000	7290003235384

Countersink Sets Clean Edge



NONB1400

Plumbing & HVAC Set

Ideal for all plumbers, these TWO "must-have" tools for outdoors and indoors - simple and easy tools for deburring and reaming your brass, aluminum, copper and plastic pipes.



Handle NB10006

Light weight handle for comfort and ease of use. Blades are stored inside the handle.



Inner - Outer Reamer for Plastic & Soft Metals SP8100

Deburs both the inner and outer edges of tubing. The reamer's plastic body has 3 cutters which can be used for plastic and soft metals.



NONB1401

Plastic DIY Set

Ideal for deburring, surface scraping and parting line deflashing from your pipes or workpieces which can be made from copper, aluminium or plastic.



Handle NB10006

Light weight handle for comfort and ease of use. Blades are stored inside the handle.



Mini Ceramic CR150031

A unique mini plastic handle and convex ceramic blade, perfect for plastic materials and soft metals. Mini Cera-cut handle and mini convex blade.



NONB1402

Aluminium & Auto Set

Ideal set for the handyman home mechanic's toolbox. Ideal for deburring and countersinking, performs well on aluminium, also suitable for deburring auto mechanic repairs.



Handle NB10006

Light weight handle for comfort and ease of use. Blades are stored inside the handle.



Blade T80 - BT8001

HSS triangular mini scraper blade and protective sheath..

Handle YT1200

The best mini scraper with a perfect grip.

Description	Item #	Barcode
Clean Edge Deburring Sets		
Plumbing & HVAC Set	NONB1400	7290005397080
Plastic DIY Set	NONB1401	7290005395581
Aluminium & Auto Set	NONB1402	7290005397097

Countersink Sets Deburring



NORB3000

Trio Set

- The Noga Trio is a standard deburring set
- Includes: RB Handle + S20 Blade, Red Sleeve (for Brass/Cast Iron), RB Handle + S100 Blade, Blue Sleeve (for Steel/Aluminium), RB Handle + S150 extra fine Blade, Yellow Sleeve (for Plastic).
- Pack dimensions: 175 x 50 x 20mm.



NONG8150

S Promo Set

- Deburrs: Steel, aluminium and plastic
- Includes: NG-1 handle, S10 blades - 10 pieces



NOEO2100

Universal Plastic Edge Off Burr Set

- The most economical set
- Includes: EO handle + S10 Blade, Green Sleeve (for Aluminium), EO handle + S20 Blade, Red Sleeve (for Brass/Cast Iron), EO handle + S100 Blade, Blue Sleeve (for Steel), EO handle + S150 Blade, Yellow Sleeve (for Plastic).
- Pack dimensions: 222 x 78 x 22mm



NONG8350

S Tele Set

- Deburrs: Steel, aluminium, plastic, brass and cast iron
- Includes: NG-3 handle, S Holder, S10 blades (x5), S20 blades (x5)



NOEB7000

EZ Burr Pro Set

- New EZ tool design with its two components: individual colour coded handle for easy recognition and its own distinct blade
- Used for aluminium, steel and plastic, suitable for most applications
- Includes: EZ Blue - 3.2mm Blade, EZ Red - 2.6mm Blade, EZ Gray - CR8 Blade, EZ Yellow - D50 Mini Scraper



NONG9100

Mini Set

- Universal set for all machinists
- Includes: NG-3 Handle, N1 Blade, N2 Blade, S Holder, S30 Blade, S150 Blade, S20 Blade, N Holder, S10 Blade
- Pack dimensions: 150 x 30 x 30mm

Description	Item #	Barcode
Deburring Sets		
Trio Set	NORB3000	7290005394492
Universal Plastic Edge Off Burr Set	NOEO2100	7290005396663
EZ Burr Pro Set	NOEB7000	7290005398100
S Promo Set	NONG8150	7290005395932
S Tele Set	NONG8350	7290005397226
Mini Set	NONG9100	7290005397981

Countersink Sets



NORG1000

4-In-1 Multi Burr

- FOUR of our most popular blades in ONE innovative tool set.
- This innovative tool set has 4 folding shafts which can be easily locked into position for the duration of the work and then folded neatly back into the handle allowing the tool to be carried simply anywhere
- Works best on steel, aluminium and plastic
- Unique Features: A single spring lock will release and close all the tools. Each tool has a separate lever which enables the opening of the unit.
- Includes: S10 blade, D50 Scraper blade, N2 blade, Rotodrive Countersink blade (range 1-10.4mm)



NOSP1007

007 Set

- For deburring, cleaning, finishing and countersinking
- Includes: RB Handle, O-ring blade, RD16.5 RotoDrive Countersink, EX18 External RotoDrive Countersink, Thread cleaner blade, S100 Cobalt blade and S150 blade



NORD2010

Rotodrive Countersink Set

- The quickest way to chamfer by hand
- Single flute countersink provides a smoother cut
- Includes: NG-1 Handle, S10 Blade, RD3.2 - BC3201 Blade, RD6.3 - BC6301 Blade, RD8.3 - BC8301 Blade, RD10.4 - BC1041 Blade



NONG9200

Bronze Uni Kit

- Most economical deburring kit for all machinists
- Includes: NG-3 handle, N holder, S holder, C holder + C20, D holder + D50, Blades: N1, N2, S10, S20, S30 and S150
- Pack dimensions: 215 x 120 x 40mm



NONG9300

Silver Uni Kit

- Most suitable for MRO
- Contents: NG-3 Handle, S Holder, Blades: S10, S20, S30, 10.4 Countersink Rotodrive, 16.5 Countersink Rotodrive and 18.0 External Countersink
- Pack dimensions: 215 x 120 x 40mm



NONG9400

Gold Box Set

- The most complete box for professional machinists
- Contents: NG-3 Handle, Adjustable Scraper, Plastic Edge Off Handle, S Holder, N Holder, C Holder + C20 Countersink, D Holder + D50 Blade, Holder + N80K Blade, Blades: N1, N2, S10, S20, S30, S150, D66, 10.4 Countersink RotoDrive and Hex Key 1.5mm
- Pack dimensions: 270 x 230 x 50mm

Description	Item #	Barcode
Sets		
4-In-1 Multi Burr	NORG1000	7290003234936
007 Set	NOSP1007	7290005392726
Rotodrive Countersink Set	NORD2010	7290005391972
Bronze Uni Kit	NONG9200	7290005397585
Silver Uni Kit	NONG9300	7290005397585
Gold Box Set	NONG9400	7290005397905

Deburring Blades Holders



NOCH3000

C Holder

- Holds C12, C20 and C30 countersinks
- M7 external thread
- Has an hexagonal cross section to prevent rotating inside handle
- Length: 131mm



NOEL01033

N Holder

- Holds N blades (2.6mm)
- N holder telescopes from 25-115mm
- Length: 131mm



NOEL02003

S Holder

- Holds S blades (3.2mm)
- S holder telescopes from 30-115mm
- Length: 131mm



NOEL04003

K Holder

- Holds K blades with M3 screw
- Length: 135mm



NOEL05003

D Holder

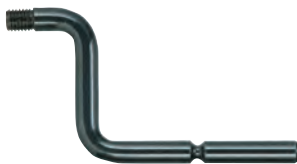
- D holder is designed to hold D50 and D66 blades, 3mm setscrew is holding the blade
- Hex key included
- Length: 131mm



NOEL07013

L Holder

- Holds L blades, blades are held in a 3mm square hole and tightened with 4mm setscrew
- Length: 131mm



NOEL0802

HD Rotodrive Holder

- Heavy duty cranked holder
- External M7 thread to hold C12, C20 and C30 countersinks
- Height: 40mm












Description	Item #	Barcode
Holders		
C Holder	NOCH3000	7290003240142
N Holder	NOEL01033	7290005395383
S Holder	NOEL02003	7290005395376
K Holder	NOEL04003	7290005395895
D Holder	NOEL05003	7290005395475
L Holder	NOEL07013*	7290005398803
HD Rotodrive Holder	NOEL0802	7290005395413

*Not available once current stock is depleted.

Deburring Blades Heavy Duty







- Heavy Duty Deburring Blades Ø 3.2mm
- All blades below are made of HSS. Hardness 62-64Rc except S100 Cobalt 65-67Rc

	Blade	Angle	Application	Use	Pack Qty	Item #	Barcode
	S10	40°	Steel, aluminium and plastic		10	NOBS1010	7290003234806
	S10 TIN	40°	Abrasive material		10	NOBS1012	7290003234820
	S20	60°	Brass and cast iron	L/R Hand	10	NOBS2010	7290003234974
	S20 TIN	60°	Stainless Steel	L/R Hand	10	NOBS2012	7290003234981
	S30	40°	Both internal and external burrs		10	NOBS3010	7290003235070
	S35	55°	Straight edges on most materials	L/R Hand	10	NOBS3510	7290003235094
	S60	40°	Cross holes in difficult to reach places		1	NOBS6001	7290003241040
	S100 Cobalt	45°	Plastic and hard materials		10	NOBS1018	7290003234967
	S101	40°	Fine edges on all materials		10	NOBK1010	7290003234288
	S150	45°	Holes as small as 1.5mm diameter		10	NOBK3010	7290003234400
	S202	55°	Brass and cast iron fine edges	L/R Hand	10	NOBK2010	7290003234363

Deburring Blades Light Duty













- Light Duty Deburring Blades Ø 2.6mm
- All blades below are made of HSS. Hardness 62-64Rc except N10 Cobalt 65-67Rc

	Blade	Angle	Application	Use	Pack Qty	Item #	Barcode
	N1	40°	Steel, aluminium and plastic		10	NOBN1010	7290003234462
	N2	80°	Brass and cast iron	L/R Hand	10	NOBN2010	7290003234585
	N3	50°	Both internal and external burrs		10	NOBN3010	7290003234646
	N6	40°	Cross holes in difficult to reach places		1	NOBN6001	7290003241361

Deburring Blades Countersink








• All blades below are made of HSS. Hardness 62-64Rc

	Blade	Angle	Range (mm)	Pack Qty	Item #	Barcode
	RD3.2	90°	0 - 3	1	NOBC3201	7290003239337
	RD6.3	90°	1 - 6.3	1	NOBC6301	7290003234158
	RD8.3	90°	1 - 8.3	1	NOBC8301	7290003234172
	RD10.4	90°	1 - 10.4	1	NOBC1041	7290003234004
	RD16.5	90°	1 - 16.5	1	NOBC1651	7290003239276
	C12	90°	1 - 12	1	NOBC1211	7290003234035
	C20	90°	3 - 20	1	NOBC2011	7290003234059
	C30	90°	3 - 30	1	NOBC3011	7290003234073
	EX18	90°	4 - 18	1	NOEX2001	7290003235308
	R1*	90°	3 - 5.5	1	NOBR1001	7290003237500
	R2*	90°	5 - 10	1	NOBR2001	7290003240005
	R3*	90°	10 - 22	1	NOBR3001	7290003236794

*Reversible

Deburring Blades Scraper









• All blades below have hardness 62-64Rc, except D55 Carbide 1400-1700HV, T80 and T120 CR115 58-60Rc

	Blade	Angle	Dimensions (mm)	Pack Qty	Item #	Barcode
	D50	60	2.5 x 50	10	NOBD5010	7290003234196
	D55 Carbide	60	2.5 x 50	1	NOBD5501	7290003241156
	D66	50	2.7 x 50	10	NOBD6610	7290003234226
	T80	60	4.2 x 80	1	NOBT8001	7290003241149
	T120	60	7.4 x 120	1	NOBT1200	7290003235131

Deburring Blades Double Edge







• All blades below are made of HSS. Hardness 62-64Rc, except N80M42 65-67Rc.

	Blade	Angle	Range (mm)	Pack Qty	Item #	Barcode
	N80	55°	0 - 12	10	NOBN8010	7290003234707
	N80M42	55°	0 - 12	10	NOBN8043	7290003234721
	N70K	55°	1.2 - 8	1	NOBN7001*	7290003241385
	N80K	55°	2.4 - 11	10	NOBN8110	7290003234745
	N90K	55°	3 - 15	1	NOBN9009	7290005390869
	L3	50°	1-8	1	NOBL3001	7290003239542
	O-Ring	40°	1-3	1	NOBO1001	7290003241033
	TC	90°	Max. 3	1	NOBC1001	7290003241002




Deburring Blades Ceramic

• All blades below are made of Ceramic 1250HV

	Blade	Angle	Range (mm)	Pack Qty	Item #	Barcode
	Convexed	90°	Ideal for surface cleaning and parting line deflashing	1	NOCR2200	7290005393570
	Concaved	90°	Ideal for curved edges and small ridges	1	NOCR2500	7290005394522
	CR8	90°	Ideal for plastics and other soft materials	1	NOCR2600	7290005395840
	V Shaped	90°	Removes burrs from both sides simultaneously	1	NOCR5100	7290005390074

Deburring Blades Speciality

• All blades below are made of HSS. Hardness 62-64Rc

	Blade	Angle	Application	Use	Pack Qty	Item #	Barcode
	S10 LH	40°	Steel, aluminium & plastic	L/Hand	10	NOBS1011	7290003234813
	S70	45°	Straight edges & flat surfaces		1	NOBS7001*	7290003241064
	L1	45°	Steel & aluminium		1	NOBL1001	7290003241170

*Not available once current stock is depleted.

Holding Systems



NOVB1002

Heavy Duty V Block Magnet 2.5kg

- Powerful magnet with ON/OFF knob
- Suits NF & PH holders
- Clamping capacity: 8 - 52 mm
- Force: 600N
- Dimensions: W60 x L100 x H73
- Weight: 2.5 kg



NOVB1004

Heavy Duty V Block Magnet 4.5kg

- Powerful magnet with ON/OFF knob
- Suits NF & PH holders
- Force: 800N
- Clamping capacity: 8 - 65 mm
- Dimensions: W70 x L120 x H95
- Weight: 4.5 kg



NODG0036

NOGA Base

- On/off magnets
- Force: 800N
- Thread: M8
- Dimensions: W50 x L60 x H55
- Weight: 1kg



NODG60003

Modular Holder

- Thread: M6
- Bottom arm: 110
- Top arm: 101
- Total Length: 211
- Weight: 0.25kg



NODG61003

Fine Adjustment Top

- Bottom Thread: Ext. M8
- Bottom arm: 110
- Top arm: 101
- Total Length: 282
- Force: 800N
- Dimensions: W50 x L60 x H55mm
- Weight: 1.35kg



NODG1030

DG Holder

- Unique DG holder with plastic fine adjustment, ideal for EDM
- Clamp Holds: 8mm and dovetail
- Bottom thread: Ext. M8
- Bottom Arm: 110mm
- Top Arm: 101mm
- Total Length: 261mm
- Magnet Force: 800 N
- Magnet Dimensions: W50 x L60 x H55mm
- Weight: 1.35 Kg



NOPH2040

PH Holder

- Improved single direction fine adjustment at base.
- Powerful on/off magnetic base
- Universal Swivel Clamp for all dial and test indicators
- Holds 6mm, 8mm, 3/8", dovetail and back lug
- Strong arm lock by using the unique 3-point system
- Easy to set up gauges into required position
- Includes: on/off magnet with fine adjustment 3 point clamp 14/12, Universal swivel clamp, Spare Knob



NOMA61003

MA Holder

- Most powerful on/off magnetic base.
- Clamp Holds: 6mm, 8mm, 3/8" and dovetail
- Bottom thread: Ext. M10 X 1.25
- Weight: 5.10 Kg
- Bottom Arm: 286.5mm
- Top Arm: 222.5mm
- Total Length: 580mm
- Magnet Force: 1300 N
- Magnet Dimensions: W50 x L120 x H55mm

Description	Item #	Barcode
Heavy Duty V Block Magnet 2.5kg	NOVB1002	7290003234431
Heavy Duty V Block Magnet 4.5kg	NOVB1004	7290003238057
NOGA Base	NODG0036	7290005393020
Modular Holder	NODG60003	7290005397202
Fine Adjustment Top	NODG61003	7290005395109
Fine Adjustment Holders		
DG Holder	NODG1030	729000324326
PH Holder	NOPH2040	7290005398902
MA Holder	NOMA61003	7290005395130

Holding Systems



NONF1015

Centering NF Holder 8mm

- Used for centering of workpieces
- Holds indicator with 8mm stem and dovetail
- Central locking mechanism with spring loaded bearing
- Black finished arms
- Bottom arm: 56mm
- Top arm: 51mm
- Centering rod: \varnothing 8mm x 40 mm
- Weight: 0.345kg



NONF6160

NF Holder with Double Fine Adjustment

- Central locking mechanism with Noga designed spring loaded bearing
- 5 axis holder
- On/Off switchable magnet
- Instant fastens in any position



NONF1021

360° NF Holder 8mm (On/Off Magnet)

- On/Off switchable magnet
- Magnet dimensions: W30 x L40 x H35
- Magnet Force 320N
- 5 axis holder
- 360° fine adjustment at base
- Holds indicator with 8mm stem and dovetail
- Central locking mechanism with Noga designed spring loaded bearing
- Black finished arms
- Bottom arm: 56mm
- Top arm: 51mm



NOMG6161

MG Holder with Double Fine Adjustment

- Central locking mechanism with Noga designed spring loaded bearing
- 5 axis holder
- Powerful On/Off magnetic base 80kg
- Instant fastens in any position



NONF1030

360° NF Holder 8mm (Permanent Magnet)

- Permanent magnet
- Magnet dimensions: W16 x L60 x H32
- Magnet Force 280N
- 5 axis holder
- 360° fine adjustment at base
- Holds indicator with 8mm stem and dovetail
- Central locking mechanism with Noga designed spring loaded bearing
- Black finished arms
- Bottom arm: 56mm
- Top arm: 51mm



NOMG10503

MG Holder European Standard

- Central locking mechanism with Noga designed spring loaded bearing
- 5 axis holder
- Powerful On/ Off magnetic base
- Instant fastens in any position
- Magnet Force: 800 N
- Clamp Holds: 8mm and Dovetail
- Bottom arm: 133mm
- Top arm: 113mm
- Weight: 1.90 Kg

Description	Item #	Barcode
NF Holders		
NF Holder	NONF10403	7290005397349
Centering NF Holder 8mm	NONF1015	7290003243136
Centering NF Holder Universal	NONF1022	7290005394317
360° NF Holder 8mm (On/Off Magnet)	NONF1021	7290005396038
360° NF Holder 8mm (Permanent Magnet)	NONF1030	7290003243167
Mini Holder Set	NONF6150	7290005395024
NF Holder with Double Fine Adjustment	NONF6160	7290005394362
MG Holders		
MG Holder with Double Fine Adjustment	NOMG6161	7290005394607
MG Holder European Standard	NOMG10503	7290005397363

Holding Systems Granite Base Stands



NOMT2000

Granite Base Stand & DG Holder with Fine Adjustment

- High quality and hardened granite base
- Solid 3D articulated holder with central locking system with NOGA designed spring loaded bearing mechanism
- Fine adjustment on top with universal swivel clamp
- Holds 6mm, 8mm, 3/8" and dovetail

Includes:

- DG Holder (NODG60103)
- Granite Plate (NOMT1000)



NOMT2100

Granite Base Stand & MG Holder with Fine Adjustment

- High quality and hardened granite base
- Solid 3D articulated holder with central locking system with NOGA designed spring loaded bearing mechanism
- Fine adjustment on top with universal swivel clamp.
- Holds 6mm, 8mm, 3/8" and dovetail

Includes:

- MG Holder (NOMG60103)
- Granite Plate (NOMT1100)



NOMT2010

Granite Base Stand & PH Holder with Fine Adjustment

- High quality and hardened granite base
- Strong holder lock by using 3 points clamps
- Fine adjustment on top with universal swivel clamp
- Holds 6mm, 8mm, 3/8" and dovetail

Includes:

- PH Holder (NOPH6410)
- Granite Plate (NOMT1000)

Description	Item #	Barcode
Granite Base Stands		
Granite Base Stand & DG Holder with Fine Adjustment	NOMT2000	7290005398940
Granite Base Stand & PH Holder with Fine Adjustment	NOMT2010	7290005398957
Granite Base Stand & MG Holder with Fine Adjustment	NOMT2100	7290005398995

Holding Systems Accessories



NODG1000

Dial Gauge

- Dial Diameter: 58 mm
- Stem diameter: 8 mm
- Measuring Range: 10 mm
- Graduations: 0.01mm



NOFA1100



NOFA1500

Description	Thread	Item #	Barcode
Accessories			
Dial Gauge		NODG1000	7290003237210
On/Off Magnet		NODG0039	7290005393051
Clamps			
Standard Clamp 3/8"	M6	NOFA1120*	7290005395727
Universal Swivel Clamp	M6	NOFA1500	7290005395703

*Not available once current stock is depleted.



Nogacool

Nogacool consists of a manifold & Loc-Line® flexible hose with a nozzle on top and a valve at the bottom, assembled on the powerful ON/OFF POPEYE magnet. The plug attached can be replaced by a second Loc-Line® hose.

Nogacool is supplied with a set of three nozzles: 1/16", 1/8", 1/4".

Working conditions are as follows:

- Pressure: 2-3.4 Bar (30-50 PSI)
- Flow rate: 940 l/hour
- Max. working Temp: 170°C

Noga Minicool

Noga Minicool is using the Venturi principle to spray an air and liquid mixture.

It consists of the following basic elements:

A control valve, spray unit, air line, syphon line and a powerful on/off Popeye magnet, which has the "V" form base, making it possible to mount on non-flat surfaces. The Minicool enables the user to easily control both the air flow rate and liquid rate.

- Strong magnetic base
- Separate on/off air and fluid controls
- Stainless steel armoured syphon hose and air hose
- Nozzle connected via Loc-Line® flexible hose



Cedarberg Snap-Loc Coolant Hose Systems

Cedarberg Snap-Loc Coolant Hose Systems serve metalworking industries worldwide. The 3-dimensional flexibility and holding power of the design serves well in a wide range of applications.

- Adjustable Length and Interchangeable components with easy hand assembly
- Heavy-Duty Construction Industrial grade wall thickness provides durable parts with long lasting performance.
- Bearing Surface & Snap Fit Contribute to outstanding performance with respect to "jetting" and holding power. Snap-Loc Systems are designed for normal shop air and fluid pressures.
- Solid Hex Design This solid hex design is superior to a ribbed design because it has less tendency to strip.
- Durable Thread Design Cedarberg Snap-Loc Systems have milled, not turned, threads. This results in better starting threads, and less cross threading. Threads are easier to re-use.

Working Pressures:

Snap-Loc Systems components are designed for normal shop air and fluid pressures. They are not intended for high pressure applications. Maximum operating pressure is dependent upon many factors, including temperature of solution, hose and nozzle size, and whether pressure is induced slowly or instantaneously.

Chemical Resistance:

Delrin exhibits superior chemical resistance to alcohols, aldehydes, esters, ethers, hydrocarbons (gasolines, lubricants, hydraulic fluid), agricultural chemicals, many weak acids and bases.

Polypropylene provides good chemical resistance to a wide variety of chemical products, including alkalies, solvents, as well as acids.

Working Temperatures:

Maximum recommended working Temperature for Snap-Loc Systems is approximately 200° F (93°C)

Materials:

Standard Snap-Loc Hose and Connector material is Delrin. Standard Nozzle material is polpropylene. Consult factory for alternate material availability.

Interchangeable Components:

Snap-Loc components are interchangeable; Reducers are available for 1/2" to 1/4" hose, allowing for the use of all three hose sizes in a single installation.

Cooling Systems Units & Hoses



Description	Item #	Barcode
Nogacool System		
Magnetic Base & Fluid	NOMC1601	7290005396595
Flexible Loc-Line® Hose 324mm	NOMC0320	7290005399565

Cooling Systems CoolArm & Nozzles



Description	Thread	Item #	Barcode
Vari HP CoolArm 206mm			
Long Articulated Arms provide full axis rotation	Int. NPT 1/4"	NOCA3000*	7290005390838



Description	Thread	Item #	Barcode
Standard Nozzle			
2mm	NPT 1/4" EST	NOCA1002*	7290005394638
4mm	NPT 1/4" EST	NOCA1004*	7290005394652
6mm	NPT 1/4" EST	NOCA1006*	7290005394621

*Not available once current stock is depleted.

Snap-Loc Hose Systems Kits & Hoses

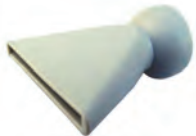


Description	Item #
1/4" Hose Assembly Kit Includes: 1 x 13" hose, 1 each x 1/16", 1/8" & 1/4" round nozzles, 1 each x 1/8" & 1/4" BSP connectors	SL8525-157
1/2" Hose Assembly Kit Includes: 1 x 13" hose, 1 each x 1/4", 3/8" & 1/2" round nozzles, 1 each x 3/8" & 1/2" BSP connectors	SL8550-175

Snap-Loc Hose Systems Nozzles



Description	Hose	Item #
Round Nozzles - 1/2" Hose		
1/4" Round Nozzle	1/2"	SL8450-14
3/8" Round Nozzle	1/2"	SL8450-15
1/2" Round Nozzle	1/2"	SL8450-16



Description	Hose	Item #
Flare Nozzles		
2" Flare Nozzle	1/2"	SL8450-19



Description	Hose	Item #
Side Spray Nozzle	1/4"	SL8425-187

Snap-Loc Hose Systems Connectors & Adaptors



Description	Hose	Item #
Y Piece Hose to Hose		
1/2" Y Piece	1/2"	SL8550-100A
Y Piece BSP to Hose		
1/8" Y Piece	1/4"	SL8525-162A
1/4" Y Piece	1/4"	SL8525-163A



Description	Hose	Item #
BSP Connector - Female		
1/8" BSP Connector	1/4" Female	SL8525-167A
1/4" BSP Connector	1/4" Female	SL8525-170A
1/2" BSMP Connector	1/4" Female	SL8550-181
BSP Connector - Male		
3/8" BSP Connector	1/2" Male	SL8550-164
1/2" BSP Connector	1/2" Male	SL8550-166



Description	Hose	Item #
1/2" Reducer Adaptor	1/4"	SL8450-20



Description	Hose	Item #
NPT Ball Valves		
1/4" NPT Ball Valve	1/4"	SL8525-353
1/2" NPT Ball Valve	1/2"	SL8550-409

Snap-Loc Hose Systems Assembly Pillars



Description	Item #
System Pliers	
1/4" Pliers	SL8701-006
1/2" Pliers	SL8701-007

Pliers Self Adjusting, Lockjaw



These pliers provide the versatility of a standard plier plus more. Traditional pliers require two hands to adjust the jaw open. Lockjaw™ self adjusting capability makes jobs faster and easier.



Description	Jaw Opening	Item #	Barcode
Curved Jaw (A)			
175mm Curved Jaw	28mm	L2100150	9311963628127
250mm Curved Jaw	48mm	L2100250	9311963628134
Straight Jaw (B)			
250mm Straight Jaw	35mm	L2110250	9311963628141
Needle Nose (C)			
200mm Needle Nose	55mm	L2120175	9311963628158
C-Clamps (D)			
230mm C-Clamp	62mm	L2130175	9311963628165
230mm C-Clamp with Swivel Pads	63mm	L2140175	9311963628189
330mm C-Clamp	62mm	L2130275	9311963628172
330mm C-Clamp with Swivel Pads	80mm	L2140275	9311963628196
C-Clamps Extended Reach (E)			
290mm Extended Reach C-Clamp	112mm	L2170250	9311963628226
290mm Extended Reach C-Clamp with Swivel Pad	80mm	L2180250	9311963628233
455mm Extended Reach C-Clamp	220mm	L2150480	9311963628202
455mm Extended Reach C-Clamp with Swivel Pad	220mm	L2160480	9311963628219
Welding Clamp (F)			
225mm Welding Clamp	41mm	L2190225	9311963628240
Table C-Clamp (G)			
275mm Table C-Clamp	90mm	L2200275	9311963629377
Sets			
175mm Curved Jaw, 250mm Curved Jaw		L2920001	9311963628257
250mm Curved Jaw, 200mm Needle Nose		L2920002	9311963628264
175mm Curved Jaw, 250mm Curved Jaw, 200mm Needle Nose		L2930001	9311963628271

A. Curved Jaw: Lockjaw curved jaw pliers are innovative, heavy duty and time saving tools, built for professionals.

B. Straight Jaw: Lockjaw straight jaw pliers are innovative, heavy duty and time saving tools, built for professionals.

C. Needle Nose: Long heavy-duty gripping nose provides excellent control and reach for work in confined spaces.

D. C-Clamp: Wide opening jaws provide greater versatility in clamping a variety of shapes.

Swivel C-Clamp: Wide opening jaws with swivel pads which allow parallel clamping while preventing denting or gouging on delicate surfaces.

E. Extended Reach Clamp: Similar to the C-Clamp, these pliers offer a deeper throat for extra reach.

Swivel Extended Reach Clamp: Swivel pads allow parallel clamping while preventing denting or gouging on delicate surfaces.

F. Welding Clamp: For use in welding applications or for holding awkward shapes in place. Forked jaws provide greater visibility.

G. Table C-Clamp: Ideal for clamping objects to tables or work surfaces while drilling, cutting, grinding or other workshop tasks. Can be fixed to a machine T-Slot table for moving into the ideal position or securely bolted.

Clamps Lockjaw



Lockjaw clamps provide intelligent designs with user friendly characteristics, making them the choice for industrial workers, professionals and DIY users.



A.



B.



C.



D.

Description	Item #	Barcode
One Hand Aluminium Clamp (A)		
150mm	L1100150	9311963625720
300mm	L1100300	9311963625737
450mm	L1100450	9311963625744
600mm	L1100600	9311963625751
One Hand Dual Clamp (B)		
150mm	L1120150	9311963625799
300mm	L1120300	9311963625805
450mm	L1120450	9311963625812
600mm	L1120600	9311963625829
Ratchet Clamp (C)		
38mm Jaw Width - Small	L1110038	9311963625768
63mm Jaw Width - Medium	L1110063	9311963625775
100mm Jaw Width - Large	L1110100	9311963625782
Parallel Clamp - 100mm Jaw Depth (D)		
300mm	L1130300	9311963625836
600mm	L1130600	9311963625843
900mm	L1130900	9311963625850

A. One Hand Aluminium Clamp:

- Heavy duty design for industrial and professional application
- Aluminium alloy clamp body to withstand great clamp pressure
- Maximum clamping force up to 350kgs

B. One Hand Dual Clamp:

- Changeable pads between V-grooved or flat TPR grip pads for clamping different objects without marking
- Nylon composite clamp body with strengthen carbon steel bar
- Maximum clamping force up to 200kgs

C. Ratchet Clamp:

- Patented ratchet mechanism with easy release trigger
- V-grooved swivelling pads
- Nylon composite body

D. Parallel Clamp:

- Light weight smooth carbon steel bar and aluminium body
- Easy conversion into spreader without additional tools
- Large TPR grip pads
- Maximum clamping force up to 400kgs

Measuring Tools



267MS1030

Engineer Ruler

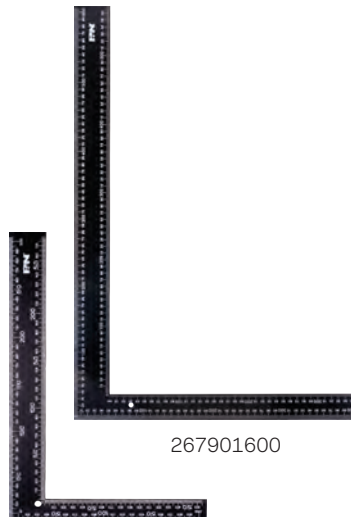
- Made from stainless steel
- 1mm and 0.5mm graduations
- Conversion charts on the back of the ruler



267SR1008

Engineer Squares

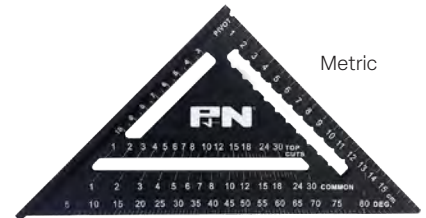
- Made from stainless steel
- Carbon steel handle
- Precision 90°
- Plain type and 1mm graduations (option)



267901250

Carpenters Squares

- Made from hardened steel, resists corrosion and warping
- Permanent black finish with accurate and clear white graduation.



267900180



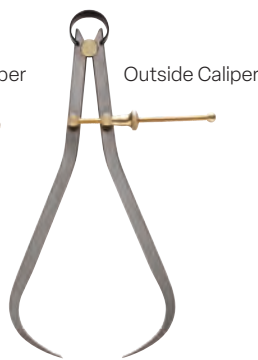
267900175

Alloy Squares

- Made from aluminium alloy
- Graduated scale both sides
- Metric and Imperial measurements



267MTQ306



267MTQ206



267MTQ106

Calipers

- Made from high carbon steel
- Quick adjustable screw bar
- Easy hold handle on top



267M06020 267M06041

Engineers Scribers

- Made from stainless steel
- Knurled aluminium handle
- Tungsten carbide point (267M06041)
- Convenient pocket clip (267M06041)



267AP1125

Auto Centre Punch

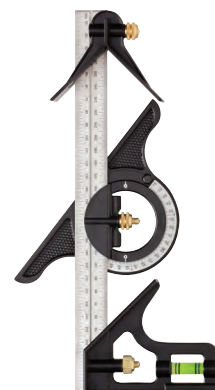
- Made from brass
- Spring loaded, no hammer required



267QM0550

Magnetic Pick-Up Set

- Two colour driver handle with quick chuck and 4mm driver, 90mm full hook, 90mm angle hook, 90mm straight hook, 90mm 90° hook and magnetic telescopic pick-up tool



267CS3030

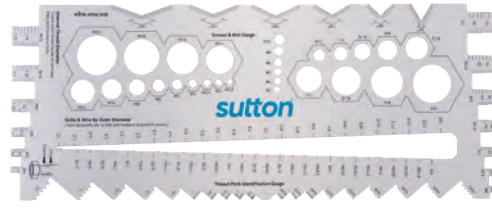
Combination Square 3 in 1

- Made from stainless steel
- Mitre square, spirit level, plumb level, 45° level, height gauge, steel rule, straight edge and scriber

Measuring Tools



For measuring gauge and length of wood, self tapping metal thread screws, bolts, wall plugs and drill sizes.



Description	Item #	Barcode
Ezi Sizer Gauge	M8100110	9311963171258
Multi Function Gauge - Metric & Imperial	M8100650	9311963609157

M8100110

M8100650



Precision engineering tools.



267SR1006



267MTQ206



267MTQ306



267MTQ106



267AP1125



267QM0550



267CS3030

Description	Size	Item #	Barcode
Engineer Rulers			
Precision Engineer Ruler	150mm	267MS1015	9311744438631
Precision Engineer Ruler	300mm	267MS1030	9311744438648
Precision Engineer Ruler	600mm	267MS1060	9311744438655
Precision Engineer Ruler	1000mm	267MS1100	9311744438662
Engineer Squares			
Precision Engineer Square	100mm	267SR1004	9311744438556
Precision Engineer Square	150mm	267SR1006	9311744438563
Precision Engineer Square	200mm	267SR1008	9311744438570
Precision Engineer Square Graduated	100mm	267SG1004	9311744438587
Precision Engineer Square Graduated	150mm	267SG1006	9311744438594
Precision Engineer Square Graduated	200mm	267SG1008	9311744438600
Carpenters Squares			
300mm Body x 200mm Tongue, Metric & Inch	300mm	267901250	9311744446087
600mm Body x 400mm Tongue, Metric & Inch	600mm	267901600	9311744446094
Alloy Squares			
Metric Aluminium Alloy Square	1800mm	267900180	9311744446179
Imperial Aluminium Alloy Square	7"	267900175	9311744446070
Engineers Scribes			
Engineers Scriber Double End 90° Bend Point	270mm	267M06020	9311744438525
Engineers Scriber Tungsten Tip	150mm	267M06041	9311744438549
Calipers			
Inside Caliper	150mm	267MTQ306	9311744438457
Inside Caliper	200mm	267MTQ308	9311744438464
Outside Caliper	150mm	267MTQ206	9311744438471
Outside Caliper	200mm	267MTQ208	9311744438488
Spring Dividers			
Spring Divider	100mm	267MTQ104	9311744438495
Spring Divider	150mm	267MTQ106	9311744438501
Spring Divider	200mm	267MTQ108	9311744438518
Miscellaneous			
Centre Punch Auto Brass	125mm	267AP1125	9311744438617
Quick Change Magnetic Pick-Up Set		267QM0550	9311744438440
Combination Square 3 in 1	300mm	267CS3030	9311744438624



267900180



267900175

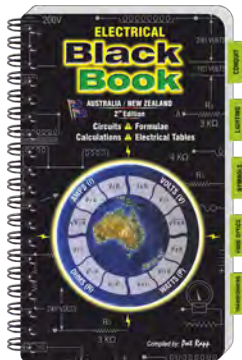
Black Book

The ultimate reference books ideal for engineers, trades people, apprentices, machine shops, tool rooms and technical colleges
 • Pocket Sized • Grease / Tear Proof • Lay-Flat Format



L100V3EN

L103V3EN



L300V2EN



L203V1EN

L200V1EN

Engineers Black Book - 234 Pages of:

- Tables
- Standards
- Illustrations
- Grinding wheels
- Conversion factors
- Tapers
- Lubricants-coolants
- Bolts & nuts
- Spur gear calculations
- Tungsten carbide
- Plastics
- Sharpening information
- G Codes
- Hardening & tempering
- Formulae
- Geometrical construction
- Weights of metal
- Engineering drawing standards
- Tolerances
- Keys & keyways
- Tapping drill sizes
- Speeds & feeds
- Equivalent charts
- ... & more

Electrical Black Book - 212 Pages of:

- Electrical safety laws of electricity electrical conductors
- Electrical codes & standards
- Electrical conduit & conduit bending
- Electrical formulae & conversion factors transformers & motors
- Electrical socket-outlets, switches & enclosures
- Led lighting, fibre optics & data cabling
- ...& more

Fastener Black Book - 248 Pages of:

- Screw thread fundamentals
- Standards
- Heat treatment
- Thread classes
- Grades
- Materials & coatings
- Failures & corrosion
- Thread terminology
- Tolerances
- Fastener strengths & markings
- Hydrogen embrittlement
- Screw thread profiles
- Dimensional Specifications DIN / ISO / ANSI
- Galling
- Material selection
- Torque control
- Platings
- Elevated temperature effects

Description	Edition	Pages	Carton Qty	Bonus	Item #	Barcode
Engineers Black Book	3rd	234	40	Tabs	L100V3EN	9781921722349
Engineers Black Book - Large Edition	3rd	234	20	Tabs	L103V3EN	9781921722370
Electrical Black Book	2nd	212	40	Tabs	L300V2EN	9781921722516
Fasteners Black Book	1st	248	40	Thread Pitch Gauge	L200V1EN	9780958057134
Fasteners Black Book - Large Edition	1st	248	20	Thread Pitch Gauge	L203V1EN	9781921722394

Cutting Lubricants Fluid, Paste & Spray, Venom

sutton

Venom

Venom Endurance+ Cutting Fluid

Venom Endurance+ Cutting Fluid is a highly efficient cutting and lubricating fluid. Formulated to increase tool life and enhance cutting performance in a broad range of metals including carbon steel, aluminium alloys, copper, brass, bronze and stainless steel. Mild clinging action helps fluid adhere to the tool and part when vertical work is required.

Venom Extreme Power Cutting Paste

Formulated for superior tool life and cutting performance in carbon steel, aluminium alloys, copper, bronze, stainless steel, nickel, titanium and other super alloys.

Venom Extreme Power Cutting Paste is a high performance low melting point lubricant specifically designed to adhere to the cutting edges, even when using additional coolants.



- Application**
- Cutting
 - Drilling
 - Tapping
 - Milling
 - Broaching
 - Reaming
 - Threading
 - Sawing
 - Boring
 - Lathe turning
 - Holesaw cutting

Size	Description	Item #	Barcode
			M800
400g	Venom Cutting Paste	M8000400	9311963570310
250ml	Venom Cutting Fluid	M8000250	9311963434278
4L	Venom Cutting Fluid	M8004000	9311963570327
300g	Venom Cutting Spray*	M8000300	9311963595320

*Recommended purchase qty 6

EXTREME POWER CUTTING PASTE

Features

- Low melting point – adheres to cutting edge for greater tool protection
- Not affected by coolant
- Lowest torque required for higher performance
- Reduced friction for extremely high quality surface finish



M8000400

ENDURANCE+ CUTTING FLUID

Features

- Reduces torque and friction
- Extends tool life
- Improves surface finish
- Accurate thread quality
- Environmentally friendly mineral oil base with 10% organic coconut oil. Free from Trichloroethane – low odour.



M8000250



M8004000

ENDURANCE+ CUTTING SPRAY

Features

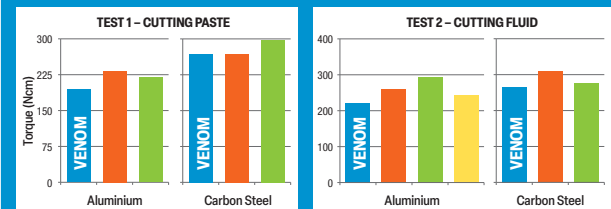
- Comfort nozzle allows an accurate spray flow in hard-to-reach working areas
- Precise spray flow within 1.5m range
- Non-flammable
- Reduces torque and friction
- Extends tool life
- Improves surface finish
- Accurate thread quality
- Environmentally friendly mineral oil base with 10% organic coconut oil. Free from Trichloroethane – low odour.
- Suitable for use in non-ventilated areas



M8000300



Tests indicate Sutton Tools Venom requires less torque – it performed up to 30% better than its competitors



Tests were conducted using a M6 forming tap in Carbon Steel and Aluminium. The results clearly indicate less torque* was required using Sutton Tools Venom Cutting Fluid and Paste compared with leading brands on the market.

*Less torque indicates improved performance.



AIR EQUIPMENT & FASTENING

• Tyre Inflation • Retractable Hose Reels • Assortment Kits

AIR EQUIPMENT & FASTENING

Jamec Pem Air Equipment Index

- 344** **Air Equipment** Accessories
- 346** **Air Equipment** Blow Guns
- 345** **Air Equipment** Filters & Regulators
- 347** **Air Equipment** Hose Coils
- 346** **Air Equipment** Hose Reels
- 348** **Air Equipment** Retractable Hose Reels
- 343** **Air Equipment** Tyre Gauges
- 342** **Air Equipment** Tyre Inflation

Jamec Pem Fastening Index

- 350** **Assortment Kits** Master Packs
- 351** **Assortment Kits** Trade Packs

JAMEC PEM



TDR 2000 Tyre Inflator

Features:

- Die cast aluminium body with steel operating lever and impact absorbing bumper
- Supplied with official calibration certificate
- Laser etched serial number for individual I.D.
- Colour co-ordinated bumper and face plate
- Ideal for service station forecourts
- Wire sheathed hose eliminates kinking
- Accuracy exceeds EC Standards
- Rubber grip on chuck

Specifications:

- Operation: Inflate, Deflate, Measure
- Advised Application: Industrial, Workshops
- Reader Unit: Linear with magnifying glass
- Scale: 0-138 p.s.i., 0-960 kpa
- Accuracy: ± 2 p.s.i. @ 25-75psi
- Inflation Volume: 500 L/min @ 188psi
- Dimensions: 350L x 70Wmm



TDR 3000 Tyre Inflator

Features:

- Includes certificate of calibration
- Multi scale gauge
- Large backlit digital display
- Accuracy exceeds EC Standards
- Auto ON upon pressure sensing
- Auto OFF after 9 seconds
- Tough die cast aluminium housing
- Wire sheathed hose eliminates kinking
- Impact absorbing bumpers
- Comfortable rubber grip on chuck handle

Specifications:

- Operation: Inflate / Deflate / Measure
- Scale: psi, kPa, bar
- Max Inflation: 174 psi
- Inlet Size: 1/4" BSP
- Accuracy: ± 2 psi @ 25 - 75 psi
- Application: Industrial, Workshop



Auto 1000 Tyre Inflator

Features:

- Two programmable pre-set buttons
- Multi- scale gauge
- Large LCD backlit digital display
- Audible warning once pressure is reached
- Accuracy exceeds EC standards
- Auto ON upon pressure sensing
- Auto OFF after 90 seconds
- Fully portable with built-in rechargeable Lithium-ion battery
- IP Rated
- Over pressure setting function

Specifications:

- Scale: psi, kPa, bar
- Max. Inflation: 174psi
- Dimensions: 372L x 130W x 150Hm

Description	Hose Length	Max. Supply Pressure	Weight	Inlet Size	Chuck Type	Chuck Style	Item #	Barcode
Tyre Inflators								
TDR 2000 Tyre Inflator	500mm	200psi	1.20kg	1/4" BSP Female	Hold on	Dual Angle	JP10.2000	9318728012306
TDR 3000 Tyre Inflator	500mm	200psi	1.05kg	1/4" BSP Female	Hold on	Dual Angle	JP10.3012	9312652092823
Auto 1000 Tyre Inflator	1500mm	182psi	1.76kg	1/4" BSP Female	Clip on	Single Straight	JP11.0612	9312652092847

JAMEC PEM



Dial Gauge with Tread Depth Indicator

Features:

- This quality tyre gauge utilises internal diaphragm technology, ensuring accuracy and reliability
- Dual scale
- 2psi increments up to 70psi
- 20 kPa increments up to 500 kPa
- Angled hold on chuck
- Protective rubber cover
- Tread depth indicator - 11 mm
- Shock resistant - diaphragm internal mechanism
- Industrial quality
- Scale: 10 - 70psi, 100 - 500 kPa
- Accuracy: ± 2psi @ 25 - 75psi
- Dimensions: 115 L x 50 W x 32H mm



Tractor Tyre Gauge

Features:

- Ideal for tyre fitters and heavy trade
- Stainless steel spring with aluminium read bar
- Pocket clip
- Can be used with water filled tyres
- Operation: Hold on/read
- Advised Application: Industrial, tractor, home
- Scale: 0 - 50psi, 0 - 350 kPa
- Accuracy: ± 2psi @ 25 - 75psi



Tyre Tread Depth Gauge

Features:

- Metric: 0 - 25 mm
- 1.6mm mark

Description	Reader Unit	Length	Weight	Chuck Type	Chuck Style	Item #	Barcode
Tyre Gauges							
Dial Gauge with Tread Depth Indicator	50mm dial gauge		30kg	Hold on	Hold on	JP05.3078*	9312652083258
Tractor Tyre Gauge	Sliding bar	115mm	0.5kg	Hold on	Single angle	JP05.2875	9318728000532
Tyre Tread Depth Gauge						JP32.2556	9312652039668

*Not available once current stock is depleted.

JAMEC PEM



Hose Joiner - Suits 5mm ID Hose Screw Fitting

Features:

- Solid brass construction



Tailpieces Male with Barbed Ends

Features:

- Heavy duty industrial strength
- Long lasting brass
- Tail/Thread Type: 12.5mm, 1/2"
- Tail/Thread Size: 1/4" BSP



Tyre Valve Repair Tool

Features:

- Tyre valve repair tool removes the core and re-threads the valve case
- Small bore valve cores



Tank Valve

Features:

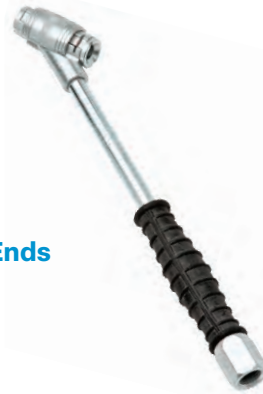
- Short 1/8" BSP male
- Pack lots of 5



Straight Large Bore Clip On Chuck

Features:

- Large bore head suitable for earth moving equipment
- Non-sealing



Twin Clip On Connector Open End

Features:

- Tyre Valve Connection: Twin clip-on
- Valve Style: Open End
- Inlet Size: Rp 1/4
- Suitable for inflation of twin tyres
- Clip on feature allows user space from tyre
- Suitable for tyre shop use
- Colour coded handle (Black - Open End)



Dual Angle Hold on Chuck - Non-Sealing

Features:

- Use in conjunction with non-gauged inflators
- Steel body and head
- Hold on dual angle chuck
- Soft grip rubber handle
- Non-Sealing



Dual Angle Hold on Chuck - Sealing

Features:

- Use in conjunction with non-gauged inflators
- Steel body and head
- Hold on dual angle chuck
- Soft grip rubber handle
- Sealing

Description	Operation	Length	Weight	Thread Type	Chuck Type	Chuck Style	Item #	Barcode
Hose Adaptors & Fittings								
Hose Joiner suits 5mm ID Hose Screw Fitting			0.1kg				JP228189	9312652090966
Tailpieces Male with Barbed Ends				1/2" - 1/4"			JP28.1209	9318728002727
Valves								
Tyre Valve Repair Tool							JP32.2501	9318728500032
Tank Valve				1/8" BSP Male			JP32.3077	9318728003472
Twin Clip On Connector Open End							JP03.0470NZ	9317200018331
Chucks								
Straight Large Bore Clip On Chuck	Non-Sealing	30mm	0.12kg	1/4" BSP Female	Clip On	Single Straight Large Bore	JP03.0497	9312652001528
Dual Angle Hold On Chuck	Non-Sealing	24cm	0.14 kg	1/4" BSP Female	Hold On	Dual Angle	JP03.0465	9312652000026
Dual Angle Hold On Chuck	Sealing	24cm	0.14 kg	1/4" BSP Female	Hold On	Dual Angle	JP03.0472	9318728013310
Pneumatic Air Tool Oil								
Air Tool Oil 500mL			0.50kg				JP06.2237	9318728000815
Air Tool Oil 1L			1kg				JP06.2245	9318728000891

JAMEC PEM

Jamec Pem airline regulators and filters provide precise control of your compressor airflow and protection of your valuable airline equipment from dirty air and water damaging your air tools. Available in a range of sizes and configurations there is a Jamec Pem filter or regulator to suit your compressor. These are an essential component of any compressed air system.



JP06.2454

Filter - Compressed Air

Features:

- 1/4" BSP female inlet/ outlet
- Polycarbonate bowl with metal bowl guard
- General purpose filter for water and particle



JP06.2445

Filter Regulator / Lubricator Compressed Air

Features:

- 1/4" BSP female inlet/ outlet
- Polycarbonate bowl with metal guard
- High visibility for lubricant dispensing
- Includes mounting bracket



JP06.2410

Filter Regulator - Mini Compressed Air

Features:

- 1/4" BSP female inlet/outlet
- Polycarbonate bowl
- Compact size for confined space
- Includes mounting bracket



JP06.2461

Regulator - Compressed Air

Features:

- 1/4" BSP female inlet / outlet
- Locking pressure and adjustment knob
- Compact and light weight
- Provides a constant outlet pressure



JP06.2426

Filter Regulator - Compressed Air

Features:

- 1/4" BSP female inlet/outlet
- Polycarbonate bowl with metal bowl guard
- Robust metal construction
- Includes mounting bracket



JP06.2473

Lubricator - Compressed Air

Features:

- 1/4" BSP female inlet / outlet
- Polycarbonate bowl with metal bowl guard
- Oil needle for easy adjustment
- Accurate lubrication of downstream equipment

Description	Port Size	Drain Plug	Filter Rating	Pressure Range	Bowl Guard	Flow Rate Max.	Item #	Barcode
Filters & Regulators								
Filter Compressed Air	1/4" BSP Female	Semi Auto	5 Micron	5- 150 psi	Metal	2000 L/ min	JP06.2454	9317200013053
Filter Regulator- Mini - Compressed Air	1/4" BSP Female	Semi Auto	5 Micron	5- 150 psi	-	500 L/ min	JP06.2410	9317200013015
Filter Regulator Compressed Air	1/4" BSP Female	Semi Auto	5 Micron	50- 150 psi	Metal	2000 L/ min	JP06.2426	9317200013022
Filter Regulator Compressed Air	1/2" BSP Female	Semi Auto	5 Micron	50- 150 psi	Metal	2000 L/ min	JP06.2432	9317200013039
Filter Regulator / Lubricator Compressed Air	1/4" BSP Female	Semi Auto	5 Micron	5- 150 psi	Metal	2000 L/ min	JP06.2445	9317200013046
Regulator Compressed Air	1/4" BSP Female	-	-	5- 150 psi	-	500 L/ min	JP06.2461	9317200013060
Lubricator Compressed Air	1/4" BSP Female	-	-	5- 150 psi	Metal	2000 L/ min	JP06.2473	9317200013077

Air Equipment Blow Guns

JAMEC PEM



Air Master Pistol Grip Extended

Features:

- Brass insert in air inlet, brass valve
- Interchangeable Nozzle
- Stainless steel spring
- Long reach 450 mm
- Hanging facility
- Hang sell blister pack

Air Master Pistol Grip Blow Gun

Features:

- Ergonomically designed for comfort during long intervals of use
- 80mm nozzle, adjustable 360°
- Interchangeable Nozzle
- Brass insert in air inlet, brass valve
- Stainless steel spring
- Variable trigger
- Hanging facility and controlled air flow
- Hang sell blister pack

Description	Grip Type	Nozzle Type	Inlet Thread	Item #	Barcode
Blow Guns					
Air Master Pistol Grip Extended	Pistol	450mm with angle tip	1/4" BSP Female	JP07.0774	9318728001072
Air Master Pistol Grip Blow Gun	Pistol	80mm with angle tip	1/4" BSP Female	JP07.0770	9318728001034
Air Blow Gun - Palm Grip	Palm	150mm with angle tip	1/4" BSP Female	JP07.0600	9318728000952
Air Blow Gun - Palm Grip Conical Nozzle	Palm	Conical nozzle	1/4" BSP Female	JP07.0610	9318728000983
Air Blow Gun - Conical Nozzle	Pistol	Conical nozzle	1/4" BSP Female	JP07.0640	9318728001010

Air Equipment Hose Reels

JAMEC PEM



JP58.2067

Multi-Purpose Heavy Duty Metal Hose Reel

Features:

- Ideal for air or water hose, chain or electrical leads
- For fixed or portable applications
- Can carry up to 70m of PVC 10mm (3/8") air hose or up to 60m of 12mm (1/2") water hose
- Nylon axle bushes for easy rewind
- Brass fittings
- Swivel air hose input
- Heavy duty box steel construction
- Folding handle
- Pre-drilled mounting points
- Hose guide to stop hose kink on the inside of the reel
- Fitting Inlet: 1/2" BSP swivel with 10mm (3/8") barbed end
- Fitting Outlet: 1/2" BSP male to 10mm (3/8") barbed end
- Reel Type: Metal frame with roll over cage
- Frame: 20mm box steel
- Handle: Folding metal with nylon handle
- Axle Type: Metal with nylon bushes

Description	Max. Working Pressure	Fitting Size	Item #	Barcode
Hose Reels				
Multi-Purpose Heavy Duty Metal	300psi	1/2" BSP	JP58.2067	9317200002521
Air Hose Reel Manual Wind 40M	217psi	1/4" BSP	JP58.2672	9318728012733

Air Equipment Hose Coils

JAMEC PEM



JP55.1895



JP55.6103

Recoil Hose Nylon

Features:

- Self recoiling hose with 1/4" BSP male swivel fitting
- Suitable for air, oil, water of fuel
- Applications with a working pressure <= 150psi
- UV stabilised for material longevity

Recoil Hose Polyurethane

Features:

- Self recoiling hose with 1/4" BSP male swivel fitting
- Compressed air applications with a working pressure <= 125psi
- Excellent coil memory

Description	Material	Hose I.D	Hose O.D	Item #	Barcode
Recoil Hoses					
Recoil Hose 15M	Nylon	6.5mm	8mm	JP55.1890	9318728999966
Recoil Hose 15M	Nylon	10mm	12mm	JP55.1895	9318728999973
Recoil Hose 6M	Polyurethane	6.5mm	8mm	JP55.6101	9318728000952
Recoil Hose 6M	Polyurethane	10mm	12mm	JP55.6103	9318728000983

Air Hoses

JAMEC PEM



JP56.3134

Extreme Ultraflex Reinforced Hose

Features:

- Blended hose provides extreme weather capabilities making flexible in the cold and doesn't kink in the heat
- Smooth outer cover provides excellent abrasion and oil resistance
- UV stabilized for material longevity
- Kink resistant
- Compressed air applications with a working pressure <= 300 psi
- Hose Material: Reinforced braided Extreme Ultraflex
- Max Working Pressure: 300 psi, 2068 kPa
- Fitting Size: 1/4" BSP Male fittings
- Fitting material: Brass
- Application: Air

Description	Hose I.D	Hose O.D	Item #	Barcode
Air Hoses				
10M Extreme Ultraflex Reinforced Hose	9.2mm	15.2mm	JP56.3134	9312652093349
20M Extreme Ultraflex Reinforced Hose	9.2mm	15.2mm	JP56.3145	9312652093356
30M Extreme Ultraflex Reinforced Hose	9.2mm	15.2mm	JP56.3156	9312652093363

Air Equipment Retractable Hose Reels

JAMEC PEM

The improved Pro Series range features the unique Helix Ultra-Coil hose layering system and the innovative additional safety feature of controlled return. This allows for a smooth and controlled hose retraction, reducing the risk of a dangerous whipping hose.

- Improved safety feature; controlled hose return
- Hose layering system
- Auto lock / auto rewind
- Solid brass internal spindle

- Adjustable hose stop
- Wall mount with 180° pivot
- Weather resistant UV stabilised polypropylene case
- 2 m leader hose with brass fittings
- Reel/Case Type: Retractable / Polypropylene
- Auto Lock: Yes
- Bracket: 180° pivot



Pro Series Air 15 Metres - Controlled Return

- Includes Extreme Reinforced Ultraflex Hose
- High volume air flow
- Hose Length: 15 m
- Hose I.D: 12.5 mm (1/2")
- Hose O.D: 18.5 mm (3/4")
- Leader Hose Length: 2 m with 3/8" male fittings
- Hose Material: Extreme Ultraflex Reinforced Hose (Limited Edition)



Pro Series Air 20 Metres - Controlled Return

- Hose Length: 20 m
- Hose I.D: 9.5 mm (3/8")
- Hose O.D: 16 mm (5/8")
- Leader Hose Length: 2 m with 1/4" male fittings
- Hose Material: Reinforced PVC braided



Pro Series Air 32 Metres - Controlled Return

- Long reach application
- Hose Length: 32 m
- Hose I.D: 8 mm (5/16")
- Hose O.D: 12 mm (1/2")
- Leader Hose Length: 2 m with 1/4" male fittings
- Hose Material: Reinforced PVC braided



Pro Series Water 20 Metres - Controlled Return

- Includes water trigger gun
- Hose Length: 20 m
- Hose I.D: 11.5 mm (1/2")
- Hose O.D: 16 mm (5/8")
- Leader Hose Length: 2 m with brass tap female fitting
- Hose Material: Reinforced PVC braided

Description	Hose Length m	Hose I.D. mm	Hose O.D. mm	Max. Working Pressure	Weight	Fitting Size	Item #	Barcode
Retractable Hose Reels - Pro Series Controlled Return								
Pro Series Controlled Return Air 15 Metres	15	12.5	18.5	300psi	9.4kg	3/8" BSP Male	JP58.5056	9318728522096
Pro Series Controlled Return Air 20 Metres	20	9.5	16	300psi	10kg	1/4" BSP Male	JP58.5034	9318728522102
Pro Series Controlled Return Air 32 Metres	32	8	12	250psi	10kg	1/4" BSP Male	JP58.5012	9318728522119
Pro Series Controlled Return Water 20 Metres	20	11.5	16	150psi	9kg	12mm Brass Tap	JP58.5045	9318728522126

EXTREME ULTRAFLEX REINFORCED HOSE is a special blend of hose that has been developed for today's demanding conditions, it stays FLEXIBLE in the cold and doesn't KINK in the heat, allowing full flow in all-weather conditions. It's a tough hose for tough conditions.

- Fully enclosed, high impact, weather resistant polypropylene outer case protects hose and drum against dirt and contaminants
- Unique Pro X hose layering system provides tangle free use
- Precision machined solid brass internal spindle for strength and reliability
- 2m leader hose with quality brass fittings
- Auto lock / auto rewind
- Stop anywhere function
- Controlled hose return
- Adjustable tension control
- Adjustable hose stop
- Internal brass fittings
- Replaceable hose
- Heavy duty mounting bracket with the 180° swivel



Pro Series Extreme Air Hose Reels

Features:

- Max. Working Pressure: 300psi
- 1/4" BSP Male Fitting
- 20 Metres - Case Dimensions: 510L x 280W x 430Hmm
- 30 Metres - Case Dimensions: 540L x 290W x 450Hmm



Pro Series Extreme Air Hose Reel 8 Metres

Features:

- Hose layering system
- Auto lock/Auto rewind
- No tools required adjustable hose stop
- Wall mount with 180° degree pivot
- Weather resistant UV stabilised polypropylene case
- Leader hose 1 m with brass fittings
- Includes Jamec Pem Extreme Ultraflex Hose



Pro Series Extreme Water Hose Reels

Features:

- Max. Working Pressure: 150psi
- 12mm brass fittings
- 20 Metres - Case Dimensions: 510L x 280W x 430Hmm
- 30 Metres - Case Dimensions: 540L x 290W x 450Hmm



Pro Series Extreme Air Hose Reel 20 Metres - Controlled Return

Features:

- Improved safety feature; controlled hose return
- Includes Extreme Ultraflex Reinforced Hose

Description	Hose Length m	Hose I.D. mm	Hose O.D. mm	Max. Working Pressure	Weight	Fitting Size	Item #	Barcode
Retractable Hose Reels - Pro Series Extreme								
Pro Series Extreme Air 20 Metres	20	9.2	15.2	300psi	9.0kg	1/4" BSP Male	JP58.3012	9312652083623
Pro Series Extreme Air 30 Metres	30	9.2	15.2	300psi	11.8kg	1/4" BSP Male	JP58.3023	9312652091505
Pro Series Extreme Air 8 Metres	8	9.2	15.2	300psi	4.7kg	1/4" BSP Male	JP58.3067	9312652089090
Pro Series Extreme Water 20 Metres	20	10.5	16.5	150psi	9.0kg	12mm Brass	JP58.3034	9312652083630
Pro Series Extreme Water 30 Metres	30	10.5	16.5	150psi	11.8kg	12mm Brass	JP58.3045	9312652083647
Retractable Hose Reels - Pro Series Extreme Controlled Return								
Pro Series Extreme Controlled Return Air 20 Metres	20	9.2	15.2	300psi	9.4kg	1/4" BSP Male	JP58.5089	9318728522089

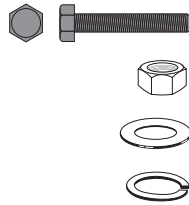
Assortment Kits Master Packs

JAMEC PEM

The Jamec Pem Assortment Kits include a wide variety of the most popular sizes designed for the automotive, hardware, marine and industrial markets, all conveniently packaged in larger Master or Trade Packs.



JP102.523



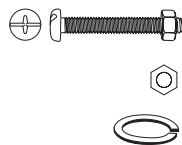
Metric Hi-Tensile Bolts, Nuts & Washers 825 Piece

Contents:

- Hexagon Bolts - 15 Sizes: M4 x 20 mm to M12 x 40 mm
- Hexagon Nuts - 6 Sizes: M4, M5, M6, M8, M10 & M12
- Flat Steel Washers - 6 Sizes: M4, M5, M6, M8, M10 & M12
- Spring Lock Washers - 6 Sizes: M4, M5, M6, M8, M10 & M12



JP102.534



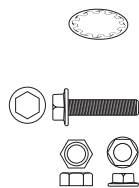
Metric Machine Screws, Nuts & Washers 2825 Piece

Contents:

- Machine Screws - 16 Sizes: M3 x 10 mm to M6 x 40 mm
- Hexagon Nuts - 4 Sizes: M3, M4, M5 & M6
- Spring Lock Washers - 4 Sizes: M3, M4, M5 & M6
- Internal Star Washers - 4 Sizes: M3, M4, M5 & M6



JP102.545



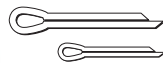
Metric Hexagon Flange Bolts & Nuts 420 Piece

Contents:

- Hexagon Flange Bolts - 20 Sizes: M5 x 16 mm to M10 x 50 mm
- Hexagon & Flange Nuts - 4 Sizes: M5, M6, M8 & M10



JP102.578



Split Pins 1020 Piece

Contents:

- Split Pins - 24 Sizes: 1.2 x 25mm, 7/64" x 32mm to 9/64" x 50mm

Description	Sizes	Pieces	Item #	Barcode
Hi-Tensile Bolts, Nuts & Washers	Metric	825	JP102.523	9312652000453
Machine Screws, Nuts & Washers	Metric	2825	JP102.534	9312652000460
Hexagon Flange Bolts & Nuts	Metric	420	JP102.545	9312652000477
Split Pins	Metric/Imperial	1020	JP102.578	9312652000507

Assortment Kits Trade Packs

JAMEC PEM

The Jamec Pem Assortment Kits include a wide variety of the most popular sizes designed for the automotive, hardware, marine and industrial markets, all conveniently packaged in larger Master or Trade Packs.



JP102.110



Split Pins 650 Piece

Contents:

- 10 Sizes: Metric 1.6 x 22mm to 4.0 x 45mm, Imperial 7/64" x 50mm to 9/64" x 50mm



JP102.115



Rubber O-Rings 400 Piece

Contents:

- 10 Sizes: Metric 5 x 2mm to 10 x 2.5mm



JP102.125



Aluminium Blind Rivets 595 Piece

Contents:

- 10 Sizes: Metric 2.4 x 8mm to 4.8 x 16mm, Imperial 3/32" x 0.290 to 3/16" x 0.570



JP102.130



Flat Steel Washers 650 Piece

Contents:

- 10 Sizes: Metric M5 to M12, Imperial 3/16" to 1/2"

Description	Sizes	Pieces	Item #	Barcode
Split Pins	Metric/Imperial	650	JP102.110	9317200018867
Rubber O-Rings	Metric	400	JP102.115	9317200018874
Aluminium Blind Rivets	Metric/Imperial	595	JP102.125	9317200018898
Flat Steel Washers	Metric/Imperial	650	JP102.130	9317200018904

JAMEC PEM

The Jamec Pem Assortment Kits include a wide variety of the most popular sizes designed for the automotive, hardware, marine and industrial markets, all conveniently packaged in larger Master or Trade Packs.



JP102.145



Nylon Self Lock Nuts 180 Piece

Contents:

- 10 Sizes: Metric M5 to M12, UNC 1/4" to 7/16"



JP102.155



Metric Hexagon Bolts 145 Piece

Contents:

- 10 Sizes: Metric M5 x 12mm to M10 x 70mm



JP102.345



Metric Hi-Tensile Bolts & Nuts 290 Piece

Contents:

- Hexagon Bolts - 10 Sizes: M5 x 20mm to M10 x 50mm
- Hexagon Nuts - 4 Sizes: M5, M6, M8 & M10



JP102.276



Metric Machine Screws & Hexagon Nuts 575 Piece

Contents:

- Machine Screws - 7 Sizes: M4 x 16mm to M6 x 40mm
- Hexagon Nuts - 3 Sizes: M4, M5 & M6

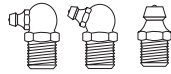
Description	Sizes	Pieces	Item #	Barcode
Nylon Self Lock Nuts	Metric/UNC	180	JP102.145	9317200018935
Hexagon Bolts	Metric	145	JP102.155	9317200018959
Hi-Tensile Bolt & Nuts	Metric	290	JP102.345	9317200023045
Machine Screws & Hexagon Nuts	Metric	575	JP102.276	9317200008721

JAMEC PEM

The Jamec Pem Assortment Kits include a wide variety of the most popular sizes designed for the automotive, hardware, marine and industrial markets, all conveniently packaged in larger Master or Trade Packs.



JP102.367



Grease Nipples 80 Piece

Contents:

- 10 Sizes: 6mm, 8mm, 1/4" UNF & 1/8" BSP



JP102.378



Roll Pins 380 Piece

Contents:

- 20 Sizes: Metric 2 x 14mm to 6 x 30mm

Description	Sizes	Pieces	Item #	Barcode
Grease Nipples	Metric/UNF/BSP	80	JP102.367	9317200023069
Roll Pins	Metric	380	JP102.378	9317200023076

TradeName



HEATING, SOLDERING & GAS EQUIPMENT

• Soldering Irons • Blowtorch Kits • Disposable Cartridges • Accessories

Trade**flame**[®]



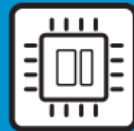
Heating



Brazing



Cutting



Electronics



Cooking



Heat Shrinking



Soldering



Jewellery



Automotive



Plating



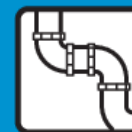
Welding



Joining



Wood Burning



Plumbing



Stripping



Marking



Cable Work



Hobby



Plastic Welding



Soft Soldering



Camping

HEATING, SOLDERING & GAS EQUIPMENT

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JP211267

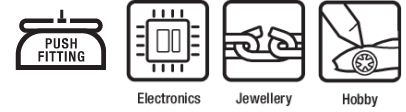
Handyman Soldering Torch Kit

Features:

- Piezo Auto Ignition with On/Off control
- Blow torch function
- 4 Interchangeable tips
- Safety lock switch
- For use with Butane Gas Refill

Includes:

- Bar tip, conical tip, large soldering tip, chisel point tip
- Blow torch
- Cleaning sponge
- Heat shrink assembly
- Protective cover
- Butane Gas Refill 60g (Item No. JP2312)



JP211223

Mini Soldering Torch Kit

Features:

- Piezo Auto Ignition trigger
- Ideal for use in the kitchen
- Continuous flame function
- Blow torch function
- For use with Butane Gas Refill 70g (Item No. JP10000602)

Includes:

- Blow torch
- Soldering tip assembly
- Stand base



JP211245

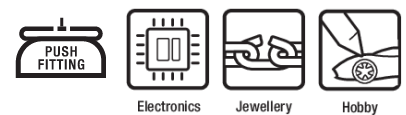
Micro Soldering Torch Kit 10-in-1

Includes:

- Refillable torch
- Chisel tip, fine soldering tip, flat tip, conical tip, large soldering tip, knife tip
- Heat shrink assembly
- Protective cover
- Cleaning sponge
- Solder
- Storage case

Features:

- Hot air function
- Flame adjustment
- Gas On/Off switch with lock
- Integrated folding stand
- For use with Butane Gas Refill 70g (Item No. JP10000602)



Description	Gas	Consumption	Fuel Storage Size	Burning Time	Flame Length	Effect	Item #	Barcode
Handyman Soldering Torch Kit	Butane	10.6g/H	20g	110min	70mm	0.125kw	JP211267	9312652040015
Mini Soldering Torch Kit	Butane	11.5g/H	20g	100min	70mm		JP211223	9312652038838
Micro Soldering Torch Kit 10-in-1	Butane	6.63g/H	10g	90min	35mm	0.07kw	JP211245	9312652038852

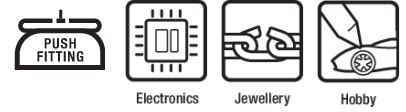


JP211256

Micro Hot Air Soldering Torch

Features:

- Piezo auto ignition
- Hot air function
- Gas On/Off switch with lock
- Flame adjustment
- Transparent gas window
- Includes protective cover and folding stand
- For use with Butane Gas Refill 70g (Item No. JP10000602)



JP211212

Mini Blow Torch & Soldering Iron

Features:

- Piezo auto ignition
- Includes protective cover and folding stand
- Hot blower and blow torch functions
- Gas On/Off switch with lock
- Flame adjustment
- Compact and versatile
- For use with Butane Gas Refill 70g (Item No. JP10000602)



Description	Gas	Consumption	Fuel Storage Size	Burning Time	Flame Length	Effect	Item #	Barcode
Micro Hot Air Soldering Torch	Butane	6.63g/H	10g	90min	35mm	0.07kw	JP211256	9312652038869
Mini Blow Torch & Soldering Iron	Butane	11.6g/H	20g	100min	50mm	0.125kw	JP211212	9312652038821

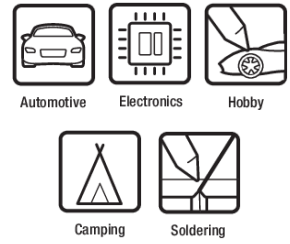


JP218012

Rechargeable Soldering Iron – Battery Lithium-Ion

Features:

- Lightweight easy to use soldering iron is perfect for all small to medium soldering work
- Max. temp 480°C
- Work time: 45 minutes (continuous use)
- 0°C to 350°C in 30 seconds
- Time to reach max. temp: 3 minutes
- Charging / power indicator lights
- Ergonomic comfort grip handle
- Long-life conical tip*
- LED working light
- Powered by USB cable (supplied)
- On/Off switch with power LED indicator light
- Anti-roll

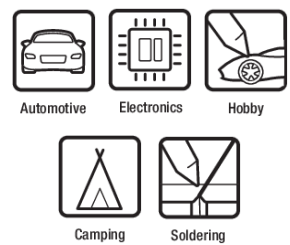


JP218034

Soldering Iron – Battery

Features:

- Portable lightweight compact soldering iron
- Ideal for light duty applications
- Powered by 4 x AA batteries
- Power indicator lights
- Battery Indicator Light
- Ergonomic comfort grip handle, anti-slip
- Long-life conical tip
- LED working light
- On/Off switch



Includes:

- 8W / 11W Soldering Iron, conical tip, solder coil
- Protective cap, metal stand



JP218045

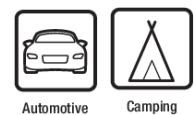
Soldering Iron – Portable

Features:

- Portable light duty designed for wiring and cable soldering
- Ideal for automotive and marine applications
- Plugs directly into 12 V DC socket
- Lightweight and portable
- Cable length: 1.6m

Includes:

- 30W Soldering Iron
- Metal stand
- Solder coil
- Conical tip



Description	Power Source	Output	Cable Length	Max. Temp.	Item #	Barcode
Soldering Irons						
Rechargeable Soldering Iron – Battery Lithium-Ion	4.2V Rechargeable Lithium-ion battery (2600 mAh)	12W		480°C	JP218012	9312652102058
Soldering Iron – Battery	6V 4 x AA batteries	8W / 11W		480°C	JP218034	9312652102072
Soldering Iron – Portable	12V DC	30W	1.6m	550°C	JP218045	9312652102089



JP218056

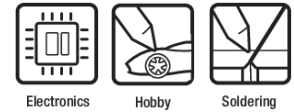
Electric Soldering Iron – Dual Power 30W / 60W

Features:

- Cable length: 1.8m
- Ergonomic comfort grip handle
- Power LED indicator light
- 0°C to 350°C in 4 minutes
- On/Off switch
- Long-life conical tip

Includes:

- 30W / 60W Soldering Iron
- Metal Stand
- Long-Life Conical Tip
- Solder



JP218067

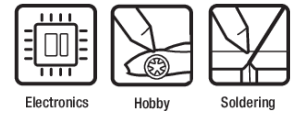
Electric Soldering Iron – Dual Power 50W / 100W

Features:

- Ideal for medium duty soldering applications
- Cable length: 1.8m
- Cushion grip heat resistant handle
- Power LED indicator light
- On/Off switch
- 50W / 100W output

Includes:

- 50W / 100W Soldering Iron
- Metal Stand
- Interchangeable Chisel Tip
- Long-Life Conical Tip
- Solder



JP218089

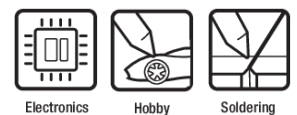
Electric Soldering Iron 40W

Features:

- Ideal for medium duty soldering applications
- Cable length: 1.8m
- Cushion grip heat resistant handle
- Dual power switch with LED indicator light
- 40W output

Includes:

- 40W Soldering Iron
- Metal Stand
- Solder
- Long-Life Conical Tip



Description	Power Source	Output	Cable Length	Max. Temp.	Item #	Barcode
Electric Soldering Irons						
Electric Soldering Iron – Dual Power	240V AC Mains	30W / 60W	1.8m	350°C	JP218056	9312652102096
Electric Soldering Iron – Dual Power	240V AC Mains	50W / 100W	1.8m	560°C	JP218067	9312652102102
Electric Soldering Iron	240V AC Mains	40W	1.8m	510°C	JP218089	9312652102126



JP218112

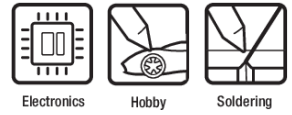
Electric Soldering Iron Kit

Features:

- Medium to heavy duty applications
- Heat resistant slimline handle

Includes:

- 60W soldering iron, metal stand
- Interchangeable chisel tip, long-life conical tip, solder
- De-soldering pump, spare tip and O ring



JP218134

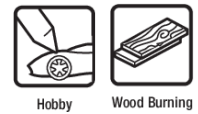
Electric Soldering Iron Kit – Wood Burning

Features:

- 8 piece kit multi-tip hobby tool
- Light duty applications
- Heat resistant handle
- Easy interchangeable tips
- Ergonomic comfort grip handle

Includes:

- 240V soldering iron, 2x drawing tips, soldering tip
- Hot knife blade, metal stand
- 2 x stamping patterns



JP218145

Electric Soldering Iron Kit – Multi

Features:

- Multi-tip hobby tool
- 22 piece kit
- Light duty applications
- Heat resistant handle
- Easy interchangeable tips
- Ergonomic comfort grip handle

Includes:

- 240V soldering iron, 10 x drawing tips, soldering tip
- Hot knife blade, metal stand
- 9 x stamping patterns



Description	Power Source	Output	Cable Length	Max. Temp.	Item #	Barcode
Electric Soldering Irons - Kits						
Electric Soldering Iron Kit	240V	60W	1.8m	540°C	JP218112	9312652102133
Electric Soldering Iron Kit – Wood Burning	240V	30W	1.8m	590°C	JP218134	9312652102157
Electric Soldering Iron Kit - Multi	240V	30W	1.8m	590°C	JP218145	9312652102164



JP218156

Electric Soldering Iron – Work Station

Features:

- Ideal for medium duty soldering applications, where a bench top soldering solution is required
- Detachable iron stand which can be placed on either side of the station to suit left or right handed operation
- Long-life tip: iron plated for anti-corrosion
- Temperature range 200°C to 480°C
- 0°C to 350°C in 3min 30s, to max temp. approx. 6min
- Manual temperature control, ceramic heater
- Ergonomic handle
- LCD display, back light
- Standby mode, auto shut off after 30 min of inactivity



JP218212

Wood Burning Station - 20W

Features:

- Large range of temperature selections to suit a range of applications (200°C - 650°C)
- Quick heat up time <10 sec
- Heat to max <30 sec
- Cool touch handle with soft grip
- Easy to use
- In-built stand
- Interchangeable tips
- Ideal for the beginner right through to the advanced user
- Designed specifically for use on wood and leather

Contents:

- Wood burner power supply
- Wood burning pen
- Detachable iron stand
- Phillips head screwdriver
- Four interchangeable tips:
 - Ball point tip
 - Universal shading
 - Round shading tip
 - Drawing point tip



JP219056

Ultima Butane Soldering Kit

Features:

- Refillable metal fuel tank 7.5 ± 0.75g
- High performance piezo
- Blow torch function
- Trigger lock for continuous use
- Control knob for adjustable flame
- Child lock U.S.CPSC Child Resistant Standard
- Anti-flaring
- GS/DVGW standard
- Cordless, safe and simple
- Use in conjunction with Butane Cartridge

Contents:

- Ultima Butane Soldering Torch
- Reflector
- Hot blower
- Hot knife
- 3.5 mm Chisel tip
- 3 mm Diagonal tip
- 7 mm Wrench
- 8 mm Wrench
- Brass cleaning sponge
- Lead free solder

Description	Power Source	Output	Cable Length	Max. Temp.	Item #	Barcode
Work Stations						
Electric Soldering Iron – Work Station	240V	25W	1.8m	480°C	JP218156	9312652102171
Wood Burning Station - 20W	240V	20W	1.8m	650°C	JP218212	9312652102218
Butane Kit						
Ultima Butane Soldering Kit					JP219056	9320531083176



JP211512

Plumbing Solder Solid Core

Features:

- Lead free solid core solder
- Ideal for copper pipes, hot water heaters, auto repairs and plumbing repairs
- Must be used with flux



JP211623

Silver Solder Acid Core

Features:

- High silver content
- Lead free acid core
- 3.5% silver content
- High strength



JP211523

Electric Solder Resin Core

Features:

- Lead free rosin core solder
- Ideal for electric soldering where low melt temperature is required

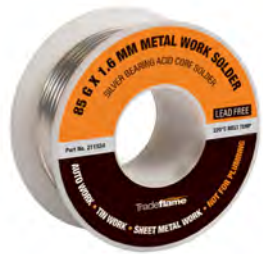


JP211156

Electrical Solder Resin Core

Features:

- Lead free resin core solder
- Ideal for wiring and electrical soldering



JP211534

Metal Work Solder Acid Core

Features:

- Lead free silver bearing acid core solder
- Ideal for auto work, tin work and sheet metal work
- Please note: flux is not necessary, not for plumbing use



JP211601

Plumbing Solder & Flux Kit

Includes:

- 1 x lead free silver bearing solid wire solder
- 1 x lead free water soluble plumbing flux
- Flux, brush and sand paper

Description	Weight	Wire Diameter	Melt Temp.	Item #	Barcode
Solder Core					
Plumbing Solder Solid Core	85g	3mm	220°	JP211512	9312652059765
Electrical Solder Resin Core	85g	1.6mm	220°	JP211523	9312652059758
Metal Work Solder Acid Core	85g	1.6mm	220°	JP211534	9312652060198
Plumbing Solder & Flux Kit	85g & 28.4g	3mm	220°	JP211601	9312652081025
Electrical Solder Resin Core	15g	1mm	220°	JP211156	9312652008800
Silver Solder Acid Core	15g	1.6mm	220°	JP211623	9312652081049



JP228478

Brazing Flux - Silver 250g

Features:

- Ideal for brazing of steel, nickel, brass, copper and stainless steel
- Low temperature
- General purpose silver brazing paste
- 250g container



JP211801

Flexible Magnifying Glass with LED Lights

Features:

- High quality flexible metal stem
- 92mm – 4x magnifying glass and 22mm – 6x magnifying glass
- Two LED lights powered by 3AAA batteries (not included)
- Heavy duty rubber pads on the metal clamp to protect work surface from damage
- Length: 450mm



JP211634

Gas Leak Detection Spray 125ml

Features:

- A must for any tool box or home that regularly use gas equipment
- Ideal for detecting leaks on:
 - Gas heating tools
 - Gas welding tools
 - Gas bottles
 - Gas BBQs
 - Gas stoves
 - Gas hose connections



JP228012

Flint Lighter

Features:

- Replaceable flints easily screw on or off
- Cup design allows for fast and efficient ignition
- Lightweight and easy to use
- Supplied with flint

Description	Item #	Barcode
Accessories		
Brazing Flux - Silver 250g	JP228478	9312652091222
Gas Leak Detection Spray 125ml	JP211634	9312652088451
Flexible Magnifying Glass with LED Lights	JP211801	9312652091673
Flint Lighter	JP228012	9312652090805

Heating & Soldering Blowtorch Kits - Butane



The TradeFlame range of butane powered gas tools has been designed to suit a wide range of DIY and light trade applications including: heating, soldering, electronic repairs, auto repairs, arts, crafts and cooking.

These small fully portable appliances provide freedom and flexibility to operate in almost any situation where a heating tool is required without the need of an external power source or power leads.

This range runs exclusively on butane gas which is low cost and very economical to buy replacement cartridges or refill gas when compared to propane or TF/ULTRA GAS™ Performance Gas - Replacement gas.

Most tools feature auto ignition, adjustable flame and safety lock switches.

Butane is widely used in camping, industrial and culinary applications. The use of butane with these torches and soldering irons enables a wide variety of jobs to be accomplished.

Butane reaches a temperature in air of 1760°C making this range an ideal choice for the DIY user where heating or soldering is required.

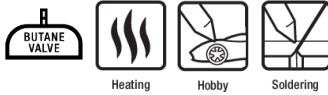


JP211678

Micro Blow Torch & Key Chain

Features:

- Piezo ignition trigger
- Cordless and portable
- Flame temperature: 1300°C
- Gas type: butane - use refill; Item No. JP10000602 (70g) or JP10000603 (200g)
- Ideal for hobbyist, DIY and camping



JP211278

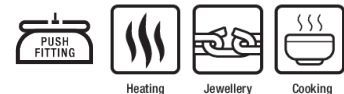
Turbo Max Heat Torch Kit

Features:

- Adjustable flame for easy control Piezo ignition trigger with On/Off control
- Safety lock switch
- Includes stand base and gas

Includes:

- Max heat torch
- Butane Gas Refill 70g (Item No. JP10000602)

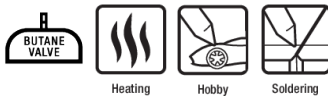


JP211689

Pocket Blow Torch

Features:

- Windproof and waterproof piezo ignition trigger
- Capable of reaching flame temperatures up to 1300°C
- Cordless and lightweight
- Lock off switch
- Refillable fuel cartridge included
- Use TradeFlame Butane Gas Refill; Item No. JP10000602 (70g) or JP10000603 (200g)
- Ideal for hobbyist, DIY and camping



JP10000593

Pro Heat Blow Torch Kit - Screw On Fitting

Features:

- Piezo ignition
- Easy screw on connection
- 360° with anti-flare after 15 seconds
- Adjustable air control
- Adjustable flame with on / off control
- 7/16" screw on fitting
- Full flame
- Ideal for cooking, heating, soft soldering, hobby, camping, DIY, workshop, heat shrinking, jewellery, resin work and art projects



JP211234

Handy Micro Torch

Features:

- Piezo ignition for easy lighting
- Fully controllable flame adjustment allows you to regulate the heat for a range of heating jobs
- Continuous flame switch is great for extended use
- Refillable butane gas chamber with sight window to monitor fuel level
- Great for the kitchen, workshop and tool box
- Use TradeFlame Butane Gas Refill 70g (Item No. JP10000602)



JP10000594

Pro Heat Blow Torch Kit - Bayonet Fitting

Features:

- Piezo ignition
- Easy push and click design
- 360° with anti-flare after 15 seconds
- Adjustable flame with on / off control
- Ideal for cooking, heating, soft soldering, hobby, camping, DIY, workshop, heat shrinking, jewellery, resin work and art projects

Description	Gas	Consumption	Fuel Storage Size	Burning Time	Flame Length	Max. Temp.	Item #	Barcode
Blowtorch Kits - Butane								
Micro Blow Torch & Key Chain	Butane	9.0g/H	3g	20min	10mm	1300°C	JP211678	9312652081094
Pocket Blow Torch	Butane	10.0g/H	5g	30min	15mm	1300°C	JP211689	9312652081100
Handy Micro Torch	Butane	10.6g/H	15g	90min	65mm		JP211234	9312652038845
Turbo Max Heat Torch Kit	Butane	50g/H	60g	72min	160mm		JP211278	9312652040022
Pro Heat Blow Torch Kit - Screw On	Butane	85.1g/H	220g	155min	200mm		JP10000593	9318728520009
Pro Heat Blow Torch Kit - Bayonet	Butane	72.7g/H	220g	165min	180mm		JP10000594	9318728520016

Heating & Soldering Blowtorch Kits - Butane



The TradeFlame range of butane powered gas tools has been designed to suit a wide range of DIY and light trade applications including: heating, soldering, electronic repairs, auto repairs, arts, crafts and cooking.

These small fully portable appliances provide freedom and flexibility to operate in almost any situation where a heating tool is required without the need of an external power source or power leads.

This range runs exclusively on butane gas which is low cost and very economical to buy replacement cartridges or refill gas when compared to propane or TF/ULTRA GAS™ Performance Gas - Replacement gas.

Most tools feature auto ignition, adjustable flame and safety lock switches.

Butane is widely used in camping, industrial and culinary applications. The use of butane with these torches and soldering irons enables a wide variety of jobs to be accomplished.

Butane reaches a temperature in air of 1760°C making this range an ideal choice for the DIY user where heating or soldering is required.



JP10000602

Butane Gas Cartridge - Refill Valve 70g

Features:

- Increased size from 60g to 70g
- For use with refillable butane blow torches and soldering irons
- Self-sealing internal valve enables multiple uses
- Burns at 1760°C / 3200°F



JP10000603

Butane Gas Cartridge - Refill Valve 200g

Features:

- For use with refillable butane blow torches and soldering irons
- Self-sealing internal valve enables multiple uses
- Burns at 1760°C / 3200°F



JP10000604

Butane Gas Cartridge - Screw On 220g

Features:

- For use with direct-attaching torches
- Self-sealing internal valve enables multiple uses
- Burns at 1760°C / 3200°F

Description	Gas	Consumption	Fuel Storage Size	Burning Time	Flame Length	Max. Temp.	Item #	Barcode
Butane Gas Cartridges								
Refill Valve 70g	Butane		70g				JP10000602	9318728520078
Refill Valve 200g	Butane		200g				JP10000603	9318728520085
Screw On 220g	Butane		220g				JP10000604	9318728520092

Heating & Soldering Blowtorch Kits - Propane



Our range of propane powered gas tools (disposable gas cartridge) is designed to suit the DIY / home handyman who needs a quick and easy solution for their heating / soldering needs.

There are three kits available, the first with a Full Flame Burner and the second with a Pinpoint Flame Burner. The second kit also includes a Fantail Attachment, perfect for a wider distribution of heat when tackling jobs like paint removal and flooring.

The third kit is supplied with a cyclone burner which is ideal for the soldering and brazing of pipes.

These burner kits will cover a wide variety of jobs including heating, soldering, and brazing and are a great addition to any shed or handyman tool box.

Running exclusively on a disposable propane cartridge, these kits are ideal for the infrequent user who wishes to be able to tackle a range of heating, soldering or brazing jobs around the home or small workshop.

Propane reaches a temperature in air of 1900°C which enables you to do more demanding jobs like brazing.



JP211334

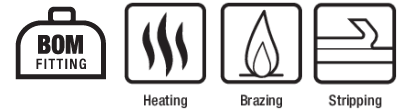
Handyman Blow Torch Kit - Pinpoint Burner

Features:

- Adjustable flame for precise operation
- Solders to a maximum pipe diameter of 6mm
- Also to be used in conjunction with fantail attachment where a flat naked flame is required
- Disposable cartridge for convenience

Includes:

- Pinpoint burner
- Fantail attachment
- Filled Disposable Propane Cartridge 400g (Item No. JP326438)



JP211323

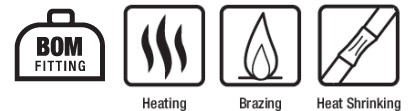
Handyman Blow Torch Kit - Full Flame Burner

Features:

- Adjustable flame for precise operation
- Solders to maximum pipe diameter of 40mm
- Brazes to maximum pipe diameter of 16mm
- Disposable cartridge for convenience

Includes:

- Full flame burner
- Filled Disposable Propane Cartridge 400g (Item No. JP326438)



JP211656

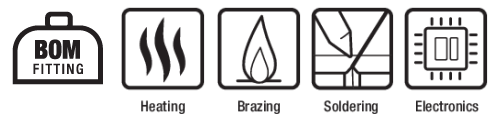
Handyman Blow Torch Kit - Cyclone Burner

Features:

- Ergonomic handle design for precise operation
- Adjustable flame with On/Off control
- Full function flame even when inverted
- Ideal for brazing, soldering and heating

Includes:

- Handyman Turbo Blow Torch
- Filled Disposable Propane Cartridge 400g (Item No. JP326438)



Description	Gas	Consumption	Fuel Storage Size	Burning Time	Flame Length	Effect	Item #	Barcode
Handyman Blowtorch Kits - Propane								
Blow Torch Kit - Pinpoint Burner	Propane	60g/H	400g	400min	170mm	0.67KW	JP211334	9312652040954
Blow Torch Kit - Full Flame Burner	Propane	115g/H	400g	200min	210mm	2.65KW	JP211323	9312652040947
Blow Torch Kit - Cyclone Burner	Propane	128g/H	400g	187min	120mm	1.8 kW	JP211656	9312652081070



Our range of ULTRA GAS™ Performance Gas – Replacement compatible gas powered gas tools (disposable gas cartridge) have been designed specifically to meet the performance and reliability standards of the trade professional.

The torches included in these kits are high performance cyclone burners that maximise the power and heating speed that standard flame burners are unable to produce.

Cyclone burners are particularly useful for tradespeople working primarily with pipes as the entire work area is heated quickly, rather than just a single point.

Robust, portable and powered by disposable ULTRA GAS™ Performance Gas – Replacement cartridges, these kits will bring a professional edge to all heating, soldering and brazing jobs.



JP211067

Turbo Blow Torch Kit - Super Cyclone Burner

Features:

- Solders 3.18 to 76mm (1/8 - 3") copper pipe
- Brazes 1.5 to 25.4mm (1/16 - 1") copper pipe
- Adjustable flame with On/Off control
- Full function flame even when inverted

Includes:

- Turbo blow torch with cyclone burner
- Disposable TF/ULTRA GAS™ Performance Gas – Replacement Cartridge 400g (Item No. JP326439)



JP211101

Vertical Swivel Blow Torch Burner Tip

Features:

- Swivel burner for difficult operating angles
- 360° hands free swivel arm with piezo ignition
- High quality brass and steel fittings
- Adjustable on/off and variable flame control valve
- Solders 3.18 - 76 mm (1/8 - 3") copper pipe
- Brazes 1.5 - 25.4 mm (1/16 - 1") copper pipe



JP217045

Turbo Blow Torch Kit - Dual Gas & Case

Includes:

- Turbo Blow Torch with Cyclone Burner
- 2 x Disposable TF/ULTRA GAS™ Performance Gas – MAPP® Replacement Cartridge 400g
- Durable carry case



JP212034

Horizontal Swivel Blow Torch Burner Tip

Includes:

- 360° horizontal swivel
- Piezo auto ignition
- Adjustable flame control knob with On/Off
- Ideal for brazing, soldering and heating



JP211089

Turbo Blow Torch Burner Tip - Cyclone & Pinpoint

Features:

- Solders 3.18 to 76mm (1/8 - 3") copper pipe
- Brazes 1.5 to 25.4mm (1/16 - 1") copper pipe
- Suits Ultra Gas JP326439

Includes:

- Turbo Blow Torch with Super Cyclone & Pinpoint Burner



JP211412

Oxypower Blow Torch Kit

Includes:

- Metal carry case
- Torch handle and lance
- Oxygen pressure regulator
- Fuel pressure regulator
- Flash back arrestor
- 2m twin hose set
- Welding goggles
- Ignition striker
- Two lance tips

Description	Gas	Consumption	Fuel Storage Size	Burning Time	Flame Length	Effect	Item #	Barcode
Blowtorch Kits - Ultra™								
Turbo Blow Torch Kit	Ultra™	240g/H	400g	100min	120mm	3.3KW	JP211067	9312652003560
Turbo Blow Torch Kit - Dual Gas & Case	Ultra™	240g/H	400g	100min	120mm	3.3KW	JP217045	9312652092793
Turbo Blow Torch Burner Tip	Ultra™						JP211089	9312652097972
Vertical Swivel Blow Torch Burner Tip	Ultra™	250g/H		100min	160mm	3.5KW	JP211101	9312652097989
Horizontal Swivel Blow Torch Burner Tip	Ultra™	175g/H		136min	30mm		JP212034	9317200500973
Oxy Power Blow Torch Kit	Ultra & Oxygen						JP211412	9312652046406

Heating & Soldering Blowtorch Kits - Ultima



The TradeFlame Ultima Range is the most powerful range of handheld tools. The range consists of Ultra Gas powered blow torches and kits, a butane powered Soldering Iron kit and a Lithium-Ion Soldering Iron kit. Ultima blow torches and soldering irons are designed for trade use and the serious DIY-er.

Ultima products incorporate innovation and high function features designed to endure typical, rough and tough worksite conditions.

Safety Data Sheets (SDS) are available upon request.



JP219101

Ultima Blow Torch Starter Kit 5 Piece

Features:

- Powerful and efficient torch system
- Easily interchangeable burners
- High performance piezo ignition
- Solders 3.18 - 76 mm (1/8 - 3") copper pipe
- Brazes 1.5 - 25.4 mm (1/16 - 1") copper pipe

Includes:

- Disposable Ultra Gas 400g
- Ultima Blow Torch
- Super Cyclone Burner 16mm
- Ultima Pinpoint Burner
- Heavy Duty Carry Case



JP219023

Ultima Pinpoint Burner (Blow Torch)

Features:

- Converts the Ultima Blow Torch into a more precise tool for smaller soldering and heating jobs
- For use with Ultima Blow Torch



JP219112

Ultima Blow Torch Professional Kit 9 Piece

- Powerful and efficient torch system
- Easily interchangeable burners
- Solders 3.18 - 76 mm (1/8 - 3") copper pipe
- Brazes 1.5 - 25.4 mm (1/16 - 1") copper pipe

Includes:

- Disposable Ultra Gas 400g
- Ultima Blow Torch
- Super Cyclone Burner 16mm
- Cyclone Burner 14mm
- Standard Burner
- Soft Flame burner
- Hot Air Burner
- Ultima Pinpoint Burner
- Heavy Duty Carry Case



JP219034

Ultima Hose Torch

Features:

- Powerful and efficient torch system
- Super cyclone burner with increased tip diameter
- Extended reach hose 1.4m
- Regulated pressure for all angle use
- Durable stainless-steel burner tube
- Belt clip/stand included
- Solders 3.18 - 76 mm (1/8 - 3") copper pipe
- Brazes 1.5 - 25.4 mm (1/16 - 1") copper pipe
- Suits Ultra Gas (sold separately)



JP219012

Ultima Blow Torch

Features:

- Powerful and efficient torch system
- Super cyclone burner with increased tip diameter
- Regulated pressure for all angle use
- Control knob for adjustable flame
- Trigger lock for continuous use
- Solders 3.18 - 76 mm (1/8 - 3") copper pipe
- Brazes 1.5 - 25.4 mm (1/16 - 1") copper pipe
- Suits Ultra Gas (sold separately)



JP219045

Ultima Pinpoint Burner (Hose Torch)

Features:

- Converts the Ultima Hose Torch into a more precise tool for smaller soldering and heating jobs.
- For use with Ultima Hose Torch



Description	Gas	Consumption	Fuel Storage Size	Burning Time	Flame Length	Effect	Item #	Barcode
Blowtorch Kits - TF/Ultima™								
Ultima Blow Torch Starter Kit - 5 Piece	Ultra	240 g/h	400g	100min	120mm	3.3kW	JP219101	9318728522379
Ultima Blow Torch Professional Kit - 9 Piece	Ultra	240 g/h	400g	100min	120mm	3.3kW	JP219112	9318728522386
Ultima Blow Torch	Ultra	240 g/h		100min	120mm	3.3kW	JP219012	9312652101617
Pinpoint Burner (Blow Torch)	Ultra	45 g/h		533min	40mm	0.62kW	JP219023	9312652101624
Ultima Hose Torch	Ultra	240 g/h		100min	120mm	3.3kW	JP219034	9312652101631
Pinpoint Burner (Hose Torch)	Ultra	45 g/h		533min	40mm	0.62kW	JP219045	9312652101648

Gas Equipment Disposable Cartridges



At the source of many TradeFlame products is the fuel that powers them. Our gas cylinders and cartridges have fuelled the work of DIY handymen and professional tradesmen for many years.

All TradeFlame branded and endorsed cylinders and cartridges are engineered and certified to maximise safety and efficiency.

All of our cartridges and cylinders meet the required Australian Standards or an equivalent European / US standard.

Safety Data Sheets (SDS) are available upon request.



JP2116012*

CO2 Disposable Cartridge

Features:

- M10M fitting
- For general purpose mild steel welding
- Cold gas has chilling effect, therefore higher power setting is required
- Skinny cartridge for easy handling
- Non-flammable compressed gas
- Cartridge capacity: 950ml



JP236438

Propane Disposable Cartridge

Features:

- Disposable propane cartridge with BOM fitting
- Suits all burners designed for propane cartridges
- Burns at 1900°C



JP216023*

Argon/CO2 Disposable Cartridge

Features:

- M10M fitting
- For thin mild steel welding, such as a car body and non-critical stainless steel
- Skinny cartridge for easy handling
- Non-flammable compressed gas
- Cartridge capacity: 950ml



JP326439

ULTRA GAS™ Disposable Cartridge

Features:

- ULTRA GAS disposable cartridge is a Performance Gas - MAPP® replacement. ULTRA GAS is a stable, high energy fuel, offering excellent performance for heating, brazing and soldering
- Compatible with all TradeFlame BOM torches designed to be used with ULTRA GAS Performance Gas - MAPP® replacement
- Burning temp 1982°C



JP211423*

Oxygen Disposable Cartridge

Features:

- M10M fitting
- Compressed oxygen for industrial use
- Non-refillable cartridge
- Compressed at 110 Bar, yielding 110 litres of oxygen
- Cartridge capacity: 950ml



JP326439PK

ULTRA GAS™ Disposable Cartridge - 3 Pack

Features:

- ULTRA GAS disposable cartridge is a Performance Gas - MAPP® replacement. ULTRA GAS is a stable, high energy fuel, offering excellent performance for heating, brazing and soldering
- Compatible with all TradeFlame BOM torches designed to be used with ULTRA GAS Performance Gas - MAPP® replacement
- Burning temp 1982°C

Description	Capacity	Pieces	Item #	Barcode
Disposable Cartridges				
CO2	950ml	1	JP216012*	9312652080998
Argon/CO2	950ml	1	JP216023*	9312652081001
Oxygen	950ml	1	JP211423*	9312652046413
Propane Gas	400g	1	JP326438	9312652055811
ULTRA GAS™	400g	1	JP326439	9312652055804
ULTRA GAS™ 3 Pack	400g	3	JP326439PK	9312652080813

*Not available once current stock is depleted.

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Heating & Soldering Professional Range



The Tradeflame Professional Series has been designed for the varying requirements of brazing, soldering and heating applications, with a range of high-quality interchangeable burners, extensions, handles and regulators.



JP215312

Windproof Burner - 28mm

Features:

- Designed to work in the severest of weather conditions
- Heavy duty yet lightweight burner
- Recommended working pressure 4 bar (32 mm, 35 mm, 50 mm and 60 mm)
- Recommended working pressure 2 bar (22 mm, 28 mm)
- Ideal for drying, preheating for welding, bitumen and general heating applications
- Compatible with Tradeflame Professional Blow Torch Handles (JP215067 & JP215145) and Tradeflame Professional necktubes



JP215012

Windproof Burner - 50mm

Features:

- Designed to work in the severest of weather conditions
- Heavy duty yet lightweight burner
- Recommended working pressure 4 bar (32 mm, 35 mm, 50 mm and 60 mm)
- Recommended working pressure 2 bar (22 mm, 28 mm)
- Ideal for drying, preheating for welding, bitumen and general heating applications
- Compatible with Tradeflame Professional Blow Torch Handles (JP215067 & JP215145) and Tradeflame Professional necktubes



JP215001

Windproof Burner - 60mm

Features:

- Designed to work in the severest of weather conditions
- Heavy duty yet lightweight burner
- Recommended working pressure 4 bar (32 mm, 35 mm, 50 mm and 60 mm)
- Recommended working pressure 2 bar (22 mm, 28 mm)
- Ideal for drying, preheating for welding, bitumen and general heating applications
- Compatible with Tradeflame Professional Blow Torch Handles (JP215067 & JP215145) and Tradeflame Professional necktubes



JP215067

Blow Torch Handle

Features:

- Precise flame control with a spring loaded valve
- Comfort grip handle for ease of use
- Single valve handle designed for smaller burners
- Spring loaded control knob provides a precise and stable setting for the finest of flames
- Made from high quality brass
- Designed to be used with all Tradeflame Professional necktubes, burners and hoses



JP215145

Blow Torch Handle with Pilot Valve

Features:

- Double valved handle for larger burners
- Includes one main valve and one pilot valve enabling the torch to be used with a gas-saving pilot flame
- Spring loaded control knobs provide precise and stable settings for the finest of flames
- Use trigger to switch between pilot flame and main flame
- Made from high quality brass
- Designed to be used with all Tradeflame Professional necktubes, burners and hoses



JP215054

POL Variable Regulator

Features:

- High quality brass construction
- Adjustable control valve allowing settings from 1 to 4 bar
- Designed to be used with Tradeflame Professional gas hoses



JP215245

POL Variable Regulator - Hose Failure

Features:

- Adjustable control valve allowing settings from 1 to 4 bar
- High quality brass construction
- Designed to be used with Tradeflame Professional range of gas hoses
- Material: Brass

Description	Consumption	Max. Capacity	Working Pressure	Inlet Thread	Outlet Thread	Item #	Barcode
Professional Range							
Windproof Burner - 28mm	2 Bar 600g/hr			M20		JP215312	9312652096340
Windproof Burner - 50mm	4 Bar 6700g/hr			M20		JP215012	9312652072917
Windproof Burner - 60mm	4 Bar 8250g/hr			M20		JP215001	9312652072900
Blow Torch Handle			1-4 Bar	M14	3/8" BSP	JP215067	9312652073273
Blow Torch Handle with Pilot Valve			1-4 Bar	M14	3/8" BSP	JP215145	9312652082640
POL Variable Regulator	5-20kg/hr		1-4 Bar	POL	3/8" BSP	JP215054	9312652073266
POL Variable Regulator - Hose Failure	5-20kg/hr		1-4 Bar	POL	3/8" BSP	JP215245	9312652082732

Heating & Soldering Professional Range



The TradeFlame Professional Series has been designed for the varying requirements of brazing, soldering and heating applications, with a range of high-quality interchangeable burners, extensions, handles and regulators.



JP215089

Gas Hoses 4m

Features:

- AGA approved hose
- Complies to AS/NZS 1869 Class C high pressure



JP215378

Inferno Burner - Propane

Features:

- Made from high quality brass
- Angled 560 mm necktube for more comfortable use
- Precise flame control with a spring loaded valve
- Double valved handle which includes one main valve and one pilot valve enabling the torch to be used with a gas-saving pilot flame
- Use trigger to switch between pilot flame and main flame
- Adjustable control valve allowing settings from 1 to 4 bar

Includes:

- Inferno Burner with TFP Handle (piezo ignition)
- 3m x 8mm AGA approved Hose
- TFP Professional Regulator POL



JP215112

Necktube 350mm

Features:

- Heavy duty and lightweight brass construction
- Designed to be used with all TradeFlame Professional handles (JP215067 & JP215145) and burners
- For larger heating applications E.g. roofing and roadwork
- Diameter O.D. 12 mm
- Diameter I.D. 8 mm



JP217089

Braze Kit

Features:

- High quality brass and steel fittings
- Adjustable On/Off and variable control valve

Includes:

- Handpiece with adjustable control (JP215067)
- Windproof Burner (JP215312)
- Necktube 70mm (JP215334)
- Hose 2m (JP215078)



JP215101

Necktube 600mm

Features:

- Heavy duty and lightweight brass construction
- Designed to be used with all TradeFlame Professional handles (JP215067 & JP215145) and burners
- For larger heating applications E.g. roofing and roadwork
- Diameter O.D. 12 mm
- Diameter I.D. 8 mm

Description	Hose Length mm	Inlet Thread	Outlet Thread	Item #	Barcode
Professional Range					
Gas Hoses 4m	4m			JP215089	9312652081117
Necktube 350mm		M20	3/8" BSP	JP215112	9312652080936
Necktube 600mm		M20	3/8" BSP	JP215101	9312652080929
Inferno Burner - Propane	3m			JP215378	9312652101495
Braze Kit	2m			JP217089	9312652096364

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