



Who We Are









Dependable Precision is at the heart and foundation of everything we do.





Welcome to this insight of Excision, Australia's leading manufacturer and wholesaler of industrial cutting products and consumables such as bandsaw blades, coldsaw blades, coolants, punches & dies and more.

With Excision being in the industry for over 29 years, we have proved that high quality products give high performance. Quality machinery and consumables translate into more cost effective operations. When you deal with us, you will receive the expert technical support and industrial knowledge to maximise your output.

Our goal is to always provide you with quality, range and value for money – and our standards are high. We offer extensive warranties with a full back-up service, expert advice, training and sales support.

Excision is a family, Australian-owned and operated company.



What's Inside



6 Bandsaw Blades



36) Circular Blades



(48) Metal Working Fluids



72) Magnetic Based Drills





102 Holesaws & Accessories



(112) Punch & Die Tooling



(118) Metal Cutting Machines



(142) Metal Preparing Machines



(158) Industrial Clamps

Distribution

Combining world's best cutting technologies and products together under one brand and under one standard - Excision Dependable Precision.



Here at Excision we provide the best cutting solutions in the market

Expertise In Cutting





We know cutting

- Over 29 years in providing steel cutting consumables and equipment.
- Technical approach what is the best blade for your job.
- Solution to every cutting situation
- No limit to sourcing We can source many cutting products from around the world.
- We manufacture in Australia a complete range of metal working fluids, cutting oils, spray mist oils etc... to assist.



When cutting steel you have many variables that affect the cut;

- Condition of saw quality of guides and tension of saw
- Blade quality and suitability
- Coolant quality good oils add tool life

Excision has the solution to all these;

- We can offer parts for machinery and also supply top quality alternatives
- Only source the best materials available for cutting also have the widest range of types in Australia
- Only manufacture the highest quality cutting oils. We use only new oils and additives and do not allow recycled or substandard base oils to be used.

We can cover all needs for your machine

We have all that you need to keep your cutting dependable blades, fluids, machines, brushes, pumps etc.















Excision has access to a large variety of bandsaw blades with unique geometry and composition, meaning we can offer a bespoke solution to every cutting job. From bi-metal to carbide to diamond to many other compositions - Excision has it all.



14-23Metal & Aluminium Cutting Blades



24-27Timber/Plastic Cutting Blades



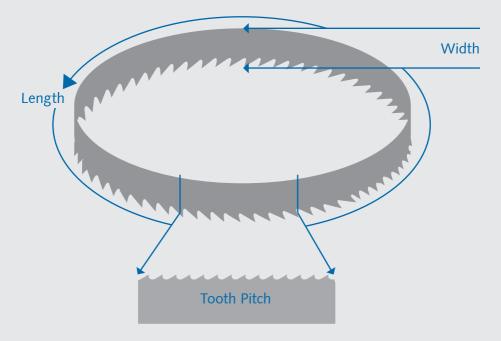
28-29Meat & Food Cutting Blades



How to buy a Bandsaw Blade

A Bandsaw Blade has 3 important dimensions

- Width
- Length
- Tooth Pitch (Usually measured in Teeth Per Inch known as TPI.)





Blade width is measured from the tip of the blade to the back of the blade. Metal cutting bandsaws are normally specified on the machine by the manufacturer. Wood cutting bandsaws or vertical bandsaws can have multiple widths. If your saw has this option refer to page 35 for different options.

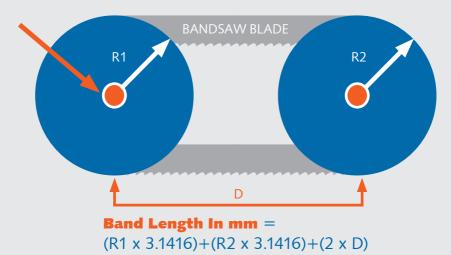




Measure Blade Length

Adjust the wheels of the machine to their correct position (about the middle of the adjustment range)

- Refering to the diagram below, measure the distance between the centre point of each wheel in mm (measurement D).
- Now measure the radius of each wheel in mm (R1 and R2).
- Use this formula to calculate the band length





The tooth pitch describes the number of teeth per inch(TPI). You must select the correct tpi for the thickness of material you are cutting. If the correct tpi is not chosen the blade life will be dramatically shortened. Refer to page 32-35 for more detail.

For combi or variable toothing the first figure represents the largest distance between tooth tips and the second figure the smallest distance between tooth tips within one group.

Constant tooth pitch

This tooth pitch has a constant distance from tooth to tooth. It is very suitable for cross sections and non-ferrous materials.

Combi / Variable tooth pitch

The combi tooth pitch has different tooth tip distances within one toothing group. The application area of the band saw blade is increased and vibrations are reduced





Basic part number system

First 3 digits are the Type of material.

Next 2 digits are width in mm. Next 3 digits represent TPI

Example 3:

Last 4/5 digits represent Length in mm

Code | Width | TPI - Length

Example 1: Bi-Alfa Cobalt M42 – 27mm x 10/14TPI x 2480

620 | 27 | 114 - 2480 = 62027114-2480

Example 2: HM-Titan B0 – 41mm x 2/3TPI x 5450

675 | 41 | 203 – 5450 = 67541203-5450 Bi-Alfa Master Supreme – 80mm x 0.75/1.25TPI x 12300

650 | 80 | 071 - 12300 = 65080071-12300

Please note:

The above is a guide only. Some part numbers vary with different thicknesses, sets and TPIs.

TYPE	PREFIX
Bandknife NB	600
Bandknife DBSE	601
Bandknife DBDE	602
Bandknife Scallop	603
Carbon Thin Guage	605
Carbon Flexback	610
Meat & Fish - 0.5	611
Meat & Fish - 0.6	612
Carbon Forestry	615
Bi-Alfa Cobalt M42	620
Bi-Alfa WS ALU	622
Bi-Alfa Forestry	623

PREFIX
624
625
626
634
645
650
670
671
675
680
685



Explaination of Icons

Due to the variety of our band saw blades, we are able to cover a wide range of applications. The following icons indicate which band saw blade fits best to your individual cutting job.

()	Tł
•	_	

nin-walled Tubes



Square Tubes



Wide Set



Thick-walled Tubes



Square Solids



Set Pattern



Round Solids



Plate



Rake Angle



Small Round Solids



Plates



Engine Block



Thick-walled Tubes and Solid Bars



Angles



Foundry Cutting



Bundled Solids



Profiles



Aluminum



Round Tubes in Bundles



Square Tubes in Bundles



Angles



Bundled Angles



T-, I- and L-Beams



Bundled Beams



Timber



Food Cutting



PU Foam & Packaging



Rubber Tyre



Lettuce & Vegetables

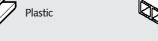


Bread & Pastries



Glass Reinforced Plastic







Wire reinforced rubber

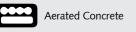
Ceramics



Cast Iron



Graphite





Carbon



Legend:

Best Better Good



Not Applicable



		Material						Profile	
Bandsaw Type	Aluminium	Mild Steel	Stainless Steel	Over 50HC	Copper or Brass	Structual Steel	Tube/ Pipe	Solids	Pack Cutting
Bi-Alfa Cobalt M42	**	***	**	*	***	**	***	***	**
Profile M42	**	***	*	*	*	***	***	*	***
Bi-Alfa WS Alu	***	*	**		***		**	***	*
Bi-Alfa RP	*	**	***	**	***	*	*	***	*
Cobalt Extreme	**	**	***	**		*	*	***	
Master Supreme	**	***	***	***	***	*	*	***	
TCT Alu	***				***		**	***	*
TCT B0	*	**	***	***	*	*	**	***	*
TCT MU	**	***	***	**	**	**	***	***	**



Comparison Table

Legend:

Best **Better** Good Not Applicable [



	Material				
Bandsaw Type	Masonry	Rubber	Ceramics	Glass	Graphite/Carbon
Carbide Grit	**	***	**	**	***
Diamond Grit	***	**	***	***	**

		Material				
Bandsaw Type	Hardwood	Softwood	Plastics	Ripping	Fine Sawn	
Carbon Flexback	**	***	***	**	***	
Carbon Thin Guage	*	***	**	*	***	
Carbon Forestry	**	***	*	***	*	
Bi-Alfa Cobalt Forestry	***	***	*	***	*	

		Material					
Bandsaw	Meat Fish Frozen Meat Bread Vegetables F				Foam		
Туре							
Meat & Fish	***	***	**	*	*		
Bandknife	*	**	**	***	***	***	

Bi-alfa Cobalt M42

The EXCISION bi-alfa cobalt band saw blade has HSS-M42 cutting tips. The high wear resistance of the band saw blade results from the very hard and evenly distributed carbides in the tooth tips, formed during the hardening and tempering process.

The martensitic structure of the tooth tips and the high cobalt content create excellent heat resistance and toughness reducing wear rates at high sawing speeds. With a high chromium backing, the saw blade can withstand the e guide pressure.

considerable flexing stresses, tension and blade				
SIZE	CODE			
6 X 0.6 X 6	62006006			
6 X 0.9 X 6	620069006			
6 X 0.9 X 10	620069010			
6 X 0.9 X 14	620069014			
6 X 0.6 X 10/14	62006114			
6 X 0.9 X 10/14	620069114			
10 X 0.6 X 6	62010006			
10 X 0.6 X 10/14	62010114			
10 X 0.9 X 4	620109004			
10 X 0.9 X 6	620109006			
10 X 0.9 X 8	620109008			
10 X 0.9 X 10	620109010			
10 X 0.9 X 14	620109014			



620109114





Hook Tooth

10°

The hook tooth has a positive cutting angle of 10°. This tooth form is particularly suitable for cutting solid, thick-walled tubes and all higher-grade alloy material.



Application areas

XXI (





10 X 0.9 X 10/14



Bi-alfa Cobalt M42

Premium M42 cutting tips, ideal for general machining of steel up to tensile strength of 44hrc

SIZE	CODE
13 X 0.5 X 14	620135014
13 X 0.5 X 18	620135018
13 X 0.5 X 24	620135024 62013003
13 X 0.6 X 3 13 X 0.6 X 4	62013003
13 X 0.6 X 6	62013006
13 X 0.6 X 10	62013010
13 X 0.6 X 24	62013024
13 X 0.6 X 6/10	62013610
13 X 0.6 X 8/12	62013812
13 X 0.6 X 10/14	62013114
13 X 0.9 X 3	620139003
13 X 0.9 X 4	620139004
13 X 0.9 X 6	620139006
13 X 0.9 X 8	620139008
13 X 0.9 X 10	620139010
13 X 0.9 X 14	620139014
13 X 0.9 X 10/14	620139114
20 X 0.9 X 14	62020014
20 X 0.9 X 18	62020018
20 X 0.9 X 4/6	62020406
20 X 0.9 X 5/8	62020508
20 X 0.9 X 6/10	62020610
20 X 0.9 X 8/12	62020812
20 X 0.9 X 10/14	62020114
27 X 0.9 X 2	62027002
27 X 0.9 X 2 WS	62127002
27 X 0.9 X 10	62027010
27 X 0.9 X 14	62027014
27 X 0.9 X 18	62027018
27 X 0.9 X 2/3	62027203
27 X 0.9 X 3/4	62027304
27 X 0.9 X 4/5	62027405
27 X 0.9 X 4/6	62027406
27 X 0.9 X 5/8	62027508
27 X 0.9 X 6/10	62027610
27 X 0.9 X 8/12	62027812
27 X 0.9 X 10/14	62027114
34 X 1.1 X 1.25	62034125

SIZE	CODE
34 X 1.1 X 2/3	62034203
34 X 1.1 X 2/3 WS	62134203
34 X 1.1 X 3/4	62034304 62134304
34 X 1.1 X 3/4 WS 34 X 1.1 X 4/5	62034405
34 X 1.1 X 4/6	62034406
34 X 1.1 X 4/6 WS	62134406
34 X 1.1 X 8/12	62034812
41 X 1.3 X 1.25	62041125
41 X 1.3 X 1.5/2	62041152
41 X 1.3 X 2/3	62041203
41 X 1.3 X 2/3 WS	62141203
41 X 1.3 X 3/4	62041304
41 X 1.3 X 4/5	62041405
41 X 1.3 X 4/6 WS	62141406
41 X 1.3 X 5/8	62041508
41 X 1.3 X 6/10	62041610
54 X 1.3 X 1.25	62054125
54 X 1.6 X 0.75/1.25	62054071
54 X 1.3 X 1.1/1.6	62054116
54 X 1.3 X 1.5/2	62054152
54 X 1.3 X 2/3	62054203
54 X 1.6 X 2/3 WS	62154203
54 X 1.6 X 3/4	62054304
54 X 1.6 X 3/4 WS	62154304
54 X 1.6 X 4/6	62054406
67 X 1.6 X 1.25	62067125
67 X 1.6 X 0.75/1.25	62067071
67 X 1.6 X 1.1/1.6	62067116
67 X 1.6 X 1.5/2	62067152
67 X 1.6 X 2/3	62067203
67 X 1.6 X 3/4	62067304
67 X 1.6 X 3/4 WS	62167304
80 X 1.6 X 0.75/1.25	62080071
80 X 1.6 X 1.1/1.6	62080116
80 X 1.6 X 1.5/2	62080152
80 X 1.6 X 2/3	62080203

For example blade length of 8230mm of 34 X 1.1 X 5/8 Part No. would be 62034508-8230

Bi-alfa Profile

The EXCISION bi-alfa Profile and Profile WS (Wide Set) band saw blade provides outstanding performance on vibration-susceptible cuts. Vibration during cutting of tubes, beams and profiles is often damaging to a conventional band saw blade, which lowers blade life and cut area considerably. For these demanding applications; EXCISION offers the perfect solution with Profile and Profile WS! The reinforced back edge of the tooth increases the overall strength of the tooth to withstand vibrations during interrupted cutting and protects the band saw blade against tooth strippage. The tooth tip consists of proven HSS M42, which has good mechanical features. Bi-alfa Profile is the band saw blade giving the best results when cutting round and square tubes as well as beams.



Profile Tooth Tooth Form



The profile tooth withstands vibrations during cutting of beams and tubes due to the reinforced tooth shape. This effect is intensified by the reduced cutting angle of 6°.

The Profile WS (Wide Set)

Bi-alfa Profile WS has been specially developed for cutting profiles and beams, which are under tension. During the cutting operation this stress is relieved and thus requires a particularly large kerf in order to prevent the blade from binding in the cutting channel.







SIZE	CODE
13 X 0.6 X 8/11	62513811
20 X 0.9 X 12/16	625201216
20 X 0.9 X 8/11	62520811
27 X 0.9 X 12/16	625271216
27 X 0.9 X 3/4	62527304
27 X 0.9 X 4/6	62527406
27 X 0.9 X 5/7	62527507
27 X 0.9 X 7/9	62527709
27 X 0.9 X 8/11	62527811
34 X 1.1 X 3/4	62534304
34 X 1.1 X 3/4 WS	62634304
34 X 1.1 X 4/6	62534406
34 X 1.3 X 4/6 COATED	62534406C
34 X 1.1 X 5/7	62534507
34 X 0.9 X 8/11	62534811
41 X 1.3 X 2/3	62541203

SIZE	CODE
41 X 1.3 X 3/4	62541304
41 X 1.3 X 3/4 COATED	62541304C
41 X 1.3 X 3/4 WS	62641304
41 X 1.3 X 4/6	62541406
41 X 1.3 X 4/6 COATED	62541406C
41 X 1.3 X 5/7	62541507
54 X 1.6 X 2/3 WS	62654203
54 X 1.6 X 3/4 WS	62654304
54 X 1.6 X 3/4	62554304
54 X 1.6 X 3/4 COATED	62554304C
54 X 1.3 X 3/4	625543304
54 X 1.6 X 4/6	62554406
67 X 1.6 X 2/3 WS	62667203
67 X 1.6 X 3/4	62567304
67 X 1.6 X 3/4 WS	62667304
67 X 1.6 X 4/6 WS	62667406





The EXCISION bi-alfa cobalt WS (Wide Set) ALU band saw blade features a wide kerf and an aggressive cutting angle. This facilitates a more efficient chip flow, reduces binding and clogging and promotes longer blade life for all non-ferrous metals.



SIZE	CODE
13 X 0.9 X 3 ALU	62213003

Application areas



The hook tooth has a positive cutting angle of 10°. This tooth form is particularly suitable for cutting solid, thick-walled tubes and all higher-grade alloy material.

Hook Tooth





10°



The EXCISION bi-alfa cobalt RP band saw blade is produced with HSS-M42 cutting tips. The cutting angle of 16° offers a more aggressive cutting performance. Improving chip flow, ensuring a smooth cut with enhanced blade life.

The RP tooth has a positive cutting angle of 16°. Due to its aggressive cutting characteristics, it is most suitable for cutting high-end and exotic alloys and for non-ferrous metals.









CODE
63441203
63467116
63467152











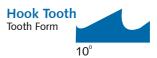


Bi-alfa Cobalt Extreme

The EXCISION bi-alfa cobalt extreme bandsaw M51 band saw blade has an alloyed steel backing with high chromium content together with a HSSCo-M51 (contains 12% cobalt) cutting edge. Due to the cobalt and tungsten content of the cutting tips, the blade has high thermal and mechanical wear resistance.

SIZE	CODE
27 X 0.9 X 2/3	64527203
27 X 0.9 X 3/4	64527304
27 X 0.9 X 4/5	64527405
27 X 0.9 X 4/6	64527406
34 X 1.1 X 2/3	64534203
34 X 1.1 X 3/4	64534304
34 X 1.1 X 4/6	64534406
41 X 1.3 X 1.5/2	64541152
41 X 1.3 X 2/3	64541203
41 X 1.3 X 3/4	64541304
41 X 1.3 X 4/6	64541406
54 X 1.6 X 1.5/2	64554152
54 X 1.6 X 2/3	64554203
67 X 1.6 X 1.1/1.6	64567116
67 X 1.6 X 1.5/2	64567152





The hook tooth has a positive cutting angle of 10°. This tooth form is particularly suitable for cutting solid, thick-walled tubes and all higher-grade alloy material.













The most premium bimetal blade available.

High-alloyed materials are extremely demanding on all cutting tools. The EXCISION Master Supreme provides a cost effective solution for these difficult applications. M51 cutting tips together with a special tooth geometry provides the perfect solution for high alloyed and exotic materials.

Master Supreme is especially suited to cut large cross sections, therefore it is the ideal solution for steel service centers and forges.



Precise perpendicular cut with excellent surface finish on the most difficult-to-cut-materials. The doubled-sided chamfered pre-cutter ensures absolute straight cutting, while a pair of lower set finishing teeth keep the cutting channel open. Resulting in a clean and smooth cutting surface.

High Efficiency

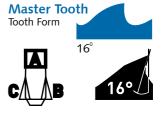
HSSCo-M51 tooth tips allow to cut materials with a hardness of up to 50 HRc (1600 N/mm²). Together with an aggressive cutting angle of 16°, it is the ideal combination to cut high alloyed and exotic materials on larger cross sections.

Longer Blade Life

The high heat and mechanical wear resistance of HSSCo-M51 cutting tips ensure excellent blade life, when cutting high alloyed and exotic materials.

SIZE	CODE
34 X 1.1 X 2/3	65034203
34 X 1.1 X 3/4	65034304
41 X 1.3 X 1.5/2	65041152
41 X 1.3 X 2/3	65041203
54 X 1.3 X 1.1/1.6	65054116
54 X 1.3 X 1.5/2	65054152





This special development consists of ground tooth tips: chamfered pre-cutter and lower finishing tooth tips. The Master-Tooth is particularly suitable for cutting rare and exceptional alloys.





SIZE	CODE
54 X 1.6 X 2/3	65054203
67 X 1.6 X 0.75/1.25	65067071
67 X 1.6 X 1.1/1.6	65067116
67 X 1.6 X 1.5/2	65067152
67 X 1.6 X 2/3	65067203

HM-Titan Alu TCT

The high performance band saw blade EXCISION HM-Titan ALU is designed for cutting non-ferrous metals, especially aluminum. It is the best blade for cutting slabs and plates. Due to improved bending fatigue strength of the high-

alloyed backing strip, the band saw blade withstands the extreme blade speeds and feeds during these cutting applications and therefore offers a high productivity and blade life. The unique tooth geometry satisfies even the highest demands with regard to the surface finish.



HookTooth Tooth Form

GERMÂNY

SIZE	CODE
34 X 1.1 X 2/3	68034203
41 X 1.3 X 1.1/1.6	68041116
41 X 1.3 X 1.5/2	68041152
41 X 1.3 X 2/3	68041203
54 X 1.6 X 1.1/1.6	68054116
54 X 1.6 X 1.5/2	68054152
67 X 1.6 X 1.1/1.6	68067116













HM-Titan BO° TCT

The high-performance EXCISION HM-Titan B0° carbide tipped band saw blade has been designed to cut hardened and tempered or induction-hardened materials with a hardness higher than 50 HRc. Perfect for cutting induction hardened bar.



Normal Tooth Tooth Form

SIZE	CODE
27 X 1.1 X 3/4 B0°	67527304
34 X 1.1 X 2/3 B0°	67534203
34 X 1.1 X 3/4 B0°	67534304
41 X 1.3 X 1.5/2 B0°	67541152
41 X 1.3 X 2/3 B0°	67541203
41 X 1.3 X 3/4 B0°	67541304
54 X 1.6 X 2/3 B0°	67554203

Application areas







HM-Titan MU TCT

The high performance band saw blade Excision HM-Titan MU was developed to cut a variety of different materials. The special designed tooth geometry enables a better chip separation with low noise and high cutting rates. Reduced cutting times combined with an excellent finish are ensured.

SIZE	CODE
27 X 0.9 X 3/4	68527304
34 X 1.1 X 2/3	68534203
34 X 1.1 X 3/4	68534304
41 X 1.1 X 1.5/2	68541152
41 X 1.1 X 2/3	68541203
41 X 1.1 X 3/4	68541304
54 X 1.6 X 1.1/1.6	68554116
54 X 1.6 X 1.5/2	68554152
54 X 1.6 X 2/3	68554203
54 X 1.6 X 3/4	68554304
67 X 1.6 X 1.1/1.6	68567116
67 X 1.6 X 1.5/2	68567152
80 X 1.6 X 1.1/1.6	68580116



Hook Tooth Tooth Form









Carbide Grit

The Excision Grit band saw blade is coated with a high quantity of multi-faceted carbide grains, galvanized on a highly flexible backing strip.

The facets of the grains create an extreme number of cutting edges, giving a smooth surface finish. Excision offers a variety of different grain sizes and blade dimensions.

The high-performance EXCISION Carbide Grit blades are ideal for applications that do not form a regular chip

SIZE	CODE
6 X 0.5 X Gulleted	67006000
10 X 0.6 X Gulleted	67010000
13 X 0.6 X Gulleted	67013000
20 X 0.8 X Gulleted	67020000
27 X 0.9 X Gulleted	67027000
32 X 1.1 X Gulleted	67032000





Grit Tooth
Tooth Form



SIZE	CODE
6 X 0.5 X Continuous	67106000
10 X 0.6 X Continuous	67110000
13 X 0.6 X Continuous	67113000
20 X 0.8 X Continuous	67120000
27 X 0.9 X Continuous	67127000
32 X 1.1 X Continuous	67132000













Diamond Grit

The Excision Carbides Diamond Grit Band Saw Blades bring productivity to a new level. These blades are ideal for cutting hard, abrasive and brittle materials and for applications that demand greater precision and closer control.

The Excision Diamond Grit Band Saw Blades are available in a wide range of sizes and in continuous, gulleted, segmented and 4TPI profiles to suit many applications and machine sizes. Alternative grit sizes are available to special order. The 4TPI diamond blade features a positive rake for fast cutting speeds. In challenging applications this blade will typically last longer than traditional toothed blades and provide a consistently smooth finish.





SIZE	CODE
Continuous 20 X 0.9	69020000
Continuous 34 X 1.1	69034000
Gulleted 20 X 0.9	69220000
Gulleted 27 X 1.1	69227000
Gulleted 34 X 1 1	69234000



Application areas













Continuous



Gulleted





Carbon Bandsaw

Bandsaw produced from a unique carbon steel for superior cutting performance, improved fatigue resistance and tougher, harder teeth. Carbon bandsaw is available for a wide variety of applications such as Flexback for secondary wood processing, production or high output environments and for straighter cutting and higher feed rates.





SIZE	CODE
3 X 0.6 X 14	61003014
3 X 0.6 X 18	61003018
5 X 0.6 X 6	61005006
5 X 0.6 X 10	61005010
6 X 0.6 X 4	61006004
6 X 0.6 X 6	61006006
6 X 0.6 X 8	61006008
6 X 0.6 X 10	61006010
6 X 0.6 X 18	61006018
6 X 0.6 X 24	61006024
6 X 0.6 X 32	61006032
8 X 0.6 X 10	61008010
10 X 0.6 X 3	61010003
10 X 0.6 X 4	61010004
10 X 0.6 X 6	61010006
10 X 0.6 X 8	61010008
10 X 0.6 X 10	61010010
10 X 0.6 X 14	61010014
10 X 0.6 X 14	61010014
10 X 0.6 X 18	61010018
10 X 0.6 X 24	61010024
10 X 0.6 X 32	61010032
13 X 0.6 X 3	61013003
13 X 0.6 X 4	61013004
13 X 0.6 X 6	61013006
13 X 0.6 X 8	61013008

SIZE	CODE
13 X 0.6 X 10	61013010
13 X 0.6 X 14	61013014
13 X 0.6 X 18	61013018
13 X 0.6 X 24	61013024
13 X 0.6 X 32	61013032
16 X 0.8 X 3	61016003
16 X 0.8 X 4	61016004
16 X 0.8 X 6	61016006
16 X 0.8 X 8	61016008
16 X 0.8 X 10	61016010
16 X 0.8 X 14	61016014
16 X 0.8 X 18	61016018
16 X 0.8 X 24	61016024
20 X 0.8 X 3	61020003
20 X 0.8 X 4	61020004
20 X 0.8 X 6	61020006
20 X 0.8 X 8	61020008
20 X 0.8 X 10	61020010
20 X 0.8 X 14	61020014
20 X 0.8 X 18	61020018
20 X 0.8 X 24	61020024
27 X 0.9 X 3	61027003
27 X 0.9 X 4	61027004
27 X 0.9 X 6	61027006
27 X 0.9 X 8	61027008
27 X 0.9 X 10	61027010
27 X 0.9 X 14	61027014





Carbon Thin Gauge

Premium Quality Carbon. The highperformance EXCISION Carbon Thin Gauge is for small machines with tight Radius wheels.

SIZE	CODE
3 X 0.4 X 14TPI	60503014
3 X 0.4 X 18TPI	60503018
6 X 0.4 X 4TPI	60506004
6 X 0.4 X 6TPI	60506006
6 X 0.4 X 10TPI	60506010
6 X 0.4 X 14TPI	60506014
6 X 0.4 X 24TPI	60506024
10 X 0.4 X 4TPI	60510004
10 X 0.4 X 6TPI	60510006
10 X 0.4 X 10TPI	60510010
10 X 0.4 X 14TPI	60510014
10 X 0.4 X 24TPI	60510024
13 X 0.5 X 4TPI	60513004
13 X 0.5 X 6TPI	60513006
13 X 0.5 X 14TPI	60513014
13 X 0.5 X 24TPI	60513024











Carbon Forestry

Ripper37 Primary Timber Processing Blade

Premium ground tooth primary processing, timber-ripping and resaw applications. Suitable for Wood-Mizer, Baker, Forestor, TimberKing, Woodland Mills, LogMaster, Norwood, Hud-Son, Cook's machines, most portable sawmills and many multi-head sawmilling machines. Optimum depth of tooth hardness allows up to 100% more regrinds. Fully ground tooth profile - Unparalleled "out-of-the-box" performance.





SIZE	CODE
20 X 0.9 X 2	61520002
27 X 0.9 X 2	61527002
27 X 0.9 X 1.3	61527013
34 X 1.1 X 1.1	61534011
41 X 1.1 X 1.1	61541011
54 X 1.1 X 1.1	61554011













Bi-Alfa Cobalt Forestry

Specialist bandsaw with tooth tips made from highperformance M42 high speed steel and a backing strip in alloy tempered steel. Specialist hard tooth M42 bandsaw for primary timber ripping and resaw applications. Suitable for Woodmizer, Baker, Forester machines, most portable sawmills and many multi-head sawmilling machines



Hook Tooth

SIZE	CODE
27 X 0.9 X 1	62327001
34 X 0.9 X 1.3	62334013
34 X 1.1 X 1.3	62334113
54 X 1.6 X 1	62354001
54 X 1.1 X 1	623541001









HM-Titan Timber TCT

The Dependable Precision TCT Timber Blade -Made for the toughest of timbers and available in a large range from 13-54mm wide.

The unique geometry ensures:

- Smoothest finish on the timber
- · Ability for thin veneer cutting as thin as 0.5mm
- · Faster cutting due to chip removal and heatresistant tips

SIZE	CODE
13 X 0.6 X 3	66013003
13 X 0.8 X 4	66013004
20 X 0.8 X 2	66020002
20 X 0.8 X 3	66020003
27 X 0.9 X 2	66027002
27 X 0.9 X 1.3	66027013
34 X 1.1 X 1	66034001
34 X 1.1 X 2	66034002
54 X 0.9 X 1	66054001

Application areas







HookTooth Tooth Form

Polished Meat & Fish

Food Cutting Bandsaw

Precision ground, hard tooth, bright carbon steel bandsaw for food processing. Razor sharp hook teeth allow maximum penetration, whilst the unique process specific tooth set reduces waste for superior yield.

Available in a wide range of process specific applications such as fresh or frozen meats, frozen fish and carcass splitting.





SIZE	CODE
13 X 0.6 X 3TPI	61213003
13 X 0.6 X 4TPI	61213004
13 X 0.5 X 6TPI	61113006
16 X 0.6 X 3TPI	61216003
16 X 0.6 X 4TPI	61216004
16 X 0.5 X 6TPI	61116006
19 X 0.6 X 3TPI	61219003





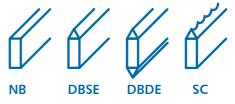




Available in a variety of edge types for use in many applications such as baby leaf harvesting, fish filleting, poultry portioning, boneless processed meat and bread slicing plus machine specific use such as Grote and Grasselli. Food bandknives create almost no waste material.



- Superior Yield
- Almost zero product waste
- Razor Sharp Edges
- Improved visual appearance of cut product





















Accessories



Size	Code
EXCISION ULTRA FLEX SAFETY GLOVES - MEDIUM	36000
EXCISION ULTRA FLEX SAFETY GLOVES - LARGE	36001
EXCISION ULTRA FLEX SAFETY GLOVES - EXTRA LARGE	36002
EXCISION LEATHER RIGGER GLOVES CUT 5 - LARGE	36011
EXCISION LEATHER RIGGER GLOVES CUT 5 - EXTRA LARGE	36012
EXCISION EXTENDED CUFF LEATHER RIGGER GLOVES CUT 5 - LARGE	36021
EXCISION EXTENDED CUFF LEATHER RIGGER GLOVES CUT 5 - EXTRA LARGE	36022



Made specially to handle bandsaw blades - Rated to CUT 5. Leather made in Pakistan



Tension Gauge

The Excision tension meter is the easiest way to measure and check the tension of your bandsaw blade. Calibrating your bandsaw blade tension with ease and precision, will give you optimal blade life whilst not putting your machine at risk of long term damage due to over-tensioning. The tension gauge is designed for bandsaw blades from 6mm to 80mm width and thickness of 0.5mm to 1.6mm

Item	Code
Tension Gauge	890000030





Bandsaw Swarf Brushes

Size	Code
90MM PLASTIC WHEEL W/BORE 10MM	699209010
125MM PLASTIC WHEEL W/BORE 12MM	669212512
150MM PLASTIC WHEEL W/BORE 12MM	699215012
80MM WIRE WHEEL W/BORE 8MM	699108008
100MM WIRE WHEEL W/BORE 13MM	699110013
50MM WIRE WHEEL W/SHAFT 6MM	699305006
75MM WIRE WHEEL W/SHAFT 6MM	699307506

Bandsaw Chip/swarf brushes are essential to the longevity and cost-effectiveness of band saws and sawing machines. The swarf brush is responsible for knocking metal swarf out of the teeth on the blade helping increase blade life.



Magnetic Swarf Remover

Size	Code	
400mm	18654	
700mm	18655	

SAFELY keeps your hands away from sharp pieces of metal. STRONG magnet that attracts large clumps of swarf.



Magnetic Lifters

Size	Code
250KG	41250 - TML250
500KG	41500 - TML500
1000KG	41700 - TML1000

Amazing new technology of lifting magnets - The lightest most powerful magnets on the market. Can lift steel sheets from 3mm thick.



Metal Cutting Technical Information



Band Speed for Bimetal

Material	in m/min
Construction Steel / Machining Steel	80 - 90
Case Hardened Steels / Steels for hardening and tempering	45 - 75
Non-Alloy, Tool Steels / Roller Bearing Steels	40 - 60
Alloyed Tool Steels / High Speed Steels	30 - 40
Rust Resistant Steels	20 - 35
Heat Resistant Steels / High Temp, Alloy Steels	15 - 25

For more detailed information or different types of bandsaw blades check out our website: excision.com.au or phone us 1800 633 448.



Bimetal Bandsaw Blade Run In Procedure

The life of an Excision Bi-Alfa bimetal bandsaw blade can be increased significantly by following the recommended running-in procedure. A new saw blade benefits from a short period of cutting at reduced cutting feed rate. Use normal recommended band speed and reduce feed pressure by 50%. After approximately 500cm² of cross sectional area or 15 minutes has been sawn, the feed rate should be gradually increased to maximum. The best material to run-in an Excision blade is round mild steel bar, about 80mm diameter, depending on the tooth pitch.

Highly recommended to increase blade life





Metal Cutting Technical Information



Tooth Selection

For metal cutting bandsaw blades











SOLIDS

SOLIDS

Vari-Pitch Toothing								
Material Diameter (D) mm	Teeth Per Inch							
0-5	18							
4-8	14							
2-15	10/14							
8-20	8/12							
16-30	6/10							
25-40	5/8							
35-70	4/6							
60-120	3/4							
80-200	2/3							
120-400	1.5/2							
250+	1.1/1.6							
400+	0.75/1.25							

TCT Toothing (Materials over 50 HRc)								
Material Diameter (D) mm	Teeth Per Inch							
50-120	3/4							
100-250	2/3							
150-400	1.5/2							
350-600	1.1/1.6							
500+	0.85/1.15							















TUBES AND RHS

	TUBES AND RHS															
Tube Width (Tube Width (W)mm Wall Thickness (T)															
	1	1.6	2	2.5	3	4	5	6	7	8	9	10	12	15	20	50
10	14	10/14	10/14													
20	14	10/14	10/14	10/14	8/12											
25	14	10/14	10/14	10/14	8/12	8/12										
30	14	10/14	10/14	10/14	8/12	8/12	6/10									
40	14	10/14	10/14	10/14	8/12	8/12	6/10	5/8	5/8	5/8						
50	14	10/14	10/14	8/12	8/12	6/10	6/10	5/8	5/8	5/8						
60-120	14	10/14	10/14	8/12	8/12	6/10	6/10	5/8	5/8	4/6	4/6	4/6	4/6	3/4	3/4	
130-150		10/14	10/14	8/12	8/12	6/10	6/10	5/8	5/8	4/6	4/6	4/6	4/6	3/4	3/4	3/4
150-180			10/14	8/12	6/10	6/10	5/8	4/6	4/6	4/6	4/6	4/6	4/6	3/4	3/4	3/4
190-300					6/10	6/10	5/8	4/6	4/6	4/6	4/6	4/6	4/6	3/4	3/4	2/3
350-400										4/6	4/6	3/4	3/4	3/4	3/4	2/3
450-500										4/6	4/6	3/4	3/4	3/4	3/4	2/3

Metal Cutting Technical Information





ι	Universal Beam ~ 0° Saw Angle							
BEAM SIZE (H)		WALL THICKNESS (F)						
	7	8	9	10	12	14	16	20
150	5/8	4/6	4/6					
180		4/6/	4/6	4/6				
200		3/4	3/4	3/4				
250			3/4	3/4	3/4			
310			2/3	2/3	2/3			
360				2/3	2/3	2/3		
410				2/3	2/3	2/3		
460					2/3	2/3	2/3	
530					2/3	2/3	2/3	
610						1.5/2	1.5/2	1.5/2

l	Universal Beam ~ 5° Saw Angle							
BEAM SIZE (H)		WALL THICKNESS (F)						
	7	8	9	10	12	14	16	20
150	6/10	6/10	6/10					
180		6/10	6/10	6/10				
200		4/6	4/6	4/6				
250			4/6	4/6	4/6			
310			4/6	4/6	4/6			
360				4/6	4/6	4/6		
410				4/6	4/6	4/6		
460					4/6	4/6	4/6	
530					4/6	4/6	4/6	
610						3/4	3/4	3/4









				Bun	dle	Cut	Tub	es a	nd F	RHS						
TUBE WIDTH (W)M	M						W	ALL TH	HICKNE	SS (T)						
	1	1.6	2	2.5	3	4	5	6	7	8	9	10	12	15	20	50
10	12/16	8/11	8/11													
20	12/16	8/11	8/11	8/11	8/11											
25	12/16	8/11	8/11	8/11	8/11	8/11										
30	12/16	8/11	8/11	8/11	8/11	5/7	5/7	/								
40		8/11	8/11	8/11	8/11	5/7	5/7	5/7	4/6	4/6						
50		8/11	8/11	8/11	5/7	5/7	5/7	5/7	4/6	4/6						
60-120		8/11	8/11	8/11	5/7	5/7	5/7	4/6	4/6	4/6	3/4	3/4	3/4	3/4	3/4	
130-150		8/11	8/11	8/11	5/7	5/7	4/6	4/6	4/6	4/6	3/4	3/4	3/4	3/4	2/3	2/3
150-180			8/11	8/11	5/7	5/7	4/6	4/6	4/6	3/4	3/4	3/4	3/4	2/3	2/3	2/3
190-300					5/7	5/7	4/6	4/6	4/6	3/4	3/4	3/4	3/4	2/3	2/3	1.5/2
350-400									4/6	3/4	3/4	3/4	2/3	2/3	2/3	1.5/2
450-500									3/4	3/4	3/4	2/3	2/3	2/3	2/3	1.5/2







ı	Universal Beam ~ 0° Saw Angle								
BEAM SIZE (H)		WALL THICKNESS (F)							
	7	8	9	10	12	14	16	20	
150	4/6	4/6	4/6						
180		3/4	3/4	3/4					
200		3/4	3/4	3/4					
250			2/3	2/3	2/3				
310			2/3	2/3	2/3				
360				2/3	2/3	2/3			
410				2/3	2/3	2/3			
460					2/3	2/3	2/3		
530					1.5/2	1.5/2	1.5/2		

Universal Beam ~ 5° Saw Angle								
BEAM SIZE (H)			V	/ALL T	HICKN	NESS (F		
	7	8	9	10	12	14	16	20
150	5/7	5/7	5/7					
180		5/7	5/7	5/7				
200		4/6	4/6	4/6				
250			4/6	4/6	4/6			
310			4/6	4/6	4/6			
360				4/6	4/6	4/6		
410				4/6	4/6	4/6		
460					4/6	4/6	4/6	
530					4/6	4/6	4/6	
610						3/4	3/4	3/4

1.5/2 1.5/2 1.5/2

Metal Cutting Technical Information



Sawing Basic Troubleshooting

Feed Rate



- a. Feed rate too light.b. 'Rubs' the tooth dull.
- - a. Feed rate too heavy.
 - b. Premature tooth wear.
 - c. Teeth wear too fast and break off



- a. Recommended feed rate.
- b. Optimum life

Number of Teeth in Band



1. Too few teeth - tooth straddle (of workpiece) this causes tooth strippage.

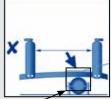


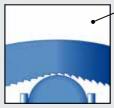
- 2. Too many teeth chip loading of bandsaw blade gullet, this causes tooth strippage.
- a. The tooth cuts a chip which fills the gullet b. When the gullet is full, pressure is created.
- c. When the pressure is not relieved, the results

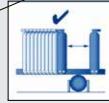
Guide Arms

Guide arms should be as close to the work as possible and secure firmly











BRUSHES

Brushes aid in the cleaning of chips from the gullet of the band. This creates less tendency to strip teeth and creates smoother cut surfaces. Refer to page 30



COOLANT

Should Wash, Cool, Lubricate the blade as well as the material being cut. We recommend to use XDP 1000 or XDP 2000 -Refer to page 52-53



Part number: 8900000030

TENSION

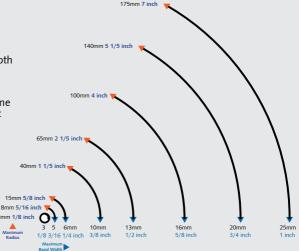
Ensure correct tension. Tension to 300N/mm². A poorly tensioned blade leads to premature wear, blade fatigue and eventual blade breakage. Refer to page 30

Wood Cutting Technical Information



The blade width is measured from the tooth tip to the back edge of the blade.

Tip: For contour cutting (cutting curves), the blade should be as wide as the machine permits, but still narrow enough so that it can cut the desired shape (radius).

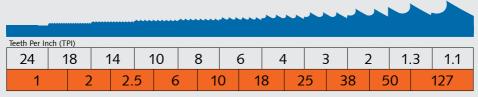




Teeth Per Inch

The number of teeth per inch (TPI) defines the pitch of the blade and can vary from 1 to 32 TPI. On some bandsaw blades there are different pitches on the same blade referred to as Vari-Pitch

You must select the correct TPI for the thickness of material you are cutting. If the correct TPI is not chosen the blade life will be dramatically reduced.

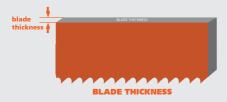


Material Thickness (mm)



Blade Thickness

Select the blade thickness depending on the wheel size of your machine. See Chart.



BLADE THICKNESS VS WHEEL DIAMETER							
Blade thickness (mm)	Minimum wheel diameter (mm)						
0.36mm	180mm						
0.50	250						
0.65	325						
0.8	400						
0.9	450						
1.07	535						
1.1	550						
1.3	650						
1.4	700						











Circular Blades







Excision Circular Blades - A range suited for all metal cutting. We manufacture and source coldsaw blades, TCT blades, Cermet blades, Alu TCT blades, GF blades and slitting saws plus much more...



38-43
Coldsaw Circular Blades



44 Cermet Tipped Circular Blades



45-47TCT Circular Blades

Coldsaw Blades

The circular coldsaw blade is made in Italy from highest quality High Speed Steel - this is the best product used for cutting alloys and common steel. All the blades are made in high-speed steel with a high tungsten and molybdenum content.

- Satisfaction guaranteed
- Long lasting high wear resistance
- Supplied in quality boxes will last the life of the blade
- Can be resharpened

Suitable for cutting Mild Steels, Structural Steels, Stainless Steels, Aluminium, Alloys, Copper, Brass. We manufacture blades to suit all coldsaw machines including: Thomas, Brobo, Soco, Hafco, Metalmaster, Steelmaster, MACC and Excision.



Toothed Blades up to ø 400mm are supplied in quality reusable packaging.





To order simply list the following;

- 1. Diameter
- 2. Thickness
- 3. Bore
- 4. Number of teeth or we provide a recommendation

For correct tooth selection, refer to page 42 & 43

Diameter X Width X

200 X 2.0 X 40

225 X 2.0 X 32 250 X 1.6 X 32

250 X 2.0 X 32

250 X 2.0 X 40

250 X 2.5 X 32

250 X 2.5 X 40

275 X 1.6 X 32

275 X 1.6 X 40

275 X 2.0 X 40

275 X 2.5 X 32

275 X 2.5 X 40

275 X 3.0 X 40

300 X 2.0 X 32

300 X 2.0 X 38

300 X 2.0 X 40

300 X 2.5 X 38

X 2.5 X 32

300

250 X 2.5 X 25.4

X 2.0 X 32

Bore (mm) 200





Coldsaw Blades HSS (DM05)

HSS Coldsaw Blade is the most common used coldsaw blade for cutting Aluminium and Mild Steel. A large range of sizes available for all machines.

This is the standard product used for cutting alloys and common steel. All the blades are made in super high-speed steel with a high tungsten and molybdenum content.

These elements of composition ensure that, after heat treatment, an extremely high hardness and suitable tenaci The right tungsten percenta create the correct quantity of resistant carbides in order to life under high temperatures

3002032

3002038

3002040

3002532

3002538

extremely high nacity is achieved. ntage is essential to ty of very hard wear- r to improve the tool ures.
Code
2002032
2002040
2502032
2501632
2502032
2502040
25025254
2502532
2502540
2751632
2751640
2752040
2752532
2752540
2753040

Toothed blades part number for example HSS (DM05) - 350 x 2.5 x 32 220z would be 3502532220H.



300 X 2.5 X 40 3002540 300 X 3.0 X 40 3003040 315 X 2.5 X 32 3152532 315 X 2.5 X 40 3152540 325 X 2.5 X 40 3253040 350 X 2.5 X 32 3502532 350 X 2.5 X 40 3502540 350 X 2.5 X 40 3503040 350 X 3.0 X 32 3503032 350 X 3.0 X 40 3503040 370 X 3.0 X 40 3503040 370 X 3.0 X 50 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 403040 400 X 3.0 X 40 4253040 425 X	Diam Bore	etei (mn	X V 1)	Vid	th X	Code
315 X 2.5 X 32 3152532 315 X 2.5 X 40 3152540 325 X 2.5 X 40 3253040 350 X 2.5 X 32 3502532 350 X 2.5 X 40 3502540 350 X 3.0 X 32 3503032 350 X 3.0 X 40 3503040 370 X 3.0 X 32 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 40 403050 425 X 3.0 X 40 4253040 425 X 3.0 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503040	300	Χ	2.5	Χ	40	3002540
315 X 2.5 X 40 3152540 325 X 2.5 X 40 3252540 325 X 3.0 X 40 3253040 350 X 2.5 X 32 3502532 350 X 2.5 X 40 3502540 350 X 3.0 X 32 3503032 350 X 3.0 X 40 3503040 370 X 3.0 X 32 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.0 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	300	Χ	3.0	Χ	40	3003040
325 X 2.5 X 40 3252540 325 X 3.0 X 40 3253040 350 X 2.5 X 32 3502532 350 X 2.5 X 40 3502540 350 X 3.0 X 32 3503032 350 X 3.0 X 40 3503040 370 X 3.0 X 32 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 40 4253040 425 X 3.0 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	315	Χ	2.5	Χ	32	3152532
325 X 3.0 X 40 3253040 350 X 2.5 X 32 3502532 350 X 2.5 X 40 3502540 350 X 3.0 X 32 3503032 350 X 3.0 X 40 3503040 370 X 3.0 X 32 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.0 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	315	Χ	2.5	Χ	40	3152540
350 X 2.5 X 32 3502532 350 X 2.5 X 40 3502540 350 X 3.0 X 32 3503032 350 X 3.0 X 40 3503040 370 X 3.0 X 32 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.5 X 40 4503040 450 X 3.5 X 40 4503540	325	Χ	2.5	Χ	40	3252540
350 X 2.5 X 40 3502540 350 X 3.0 X 32 3503032 350 X 3.0 X 40 3503040 370 X 3.0 X 32 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.5 X 40 4503040 450 X 3.5 X 40 4503540	325	Χ	3.0	Χ	40	3253040
350 X 3.0 X 32 3503032 350 X 3.0 X 40 3503040 370 X 3.0 X 32 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.5 X 40 4253540 450 X 3.5 X 40 4503040 450 X 3.5 X 40 4503540	350	Χ	2.5	Χ	32	3502532
350 X 3.0 X 40 3503040 370 X 3.0 X 32 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.5 X 40 4253540 450 X 3.5 X 40 4503040 450 X 3.5 X 40 4503540	350	Χ	2.5	Χ	40	3502540
370 X 3.0 X 32 3703032 370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.5 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	350	Χ	3.0	Χ	32	3503032
370 X 3.0 X 50 3703050 400 X 3.0 X 40 4003040 400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.5 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	350	Χ	3.0	Χ	40	3503040
400 X 3.0 X 40 4003040 400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.5 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	370	Χ	3.0	Χ	32	3703032
400 X 3.0 X 50 4003050 425 X 3.0 X 40 4253040 425 X 3.5 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	370	Χ	3.0	Χ	50	3703050
425 X 3.0 X 40 4253040 425 X 3.5 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	400	Χ	3.0	Χ	40	4003040
425 X 3.5 X 40 4253540 450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	400	Χ	3.0	Χ	50	4003050
450 X 3.0 X 40 4503040 450 X 3.5 X 40 4503540	425	Χ	3.0	Χ	40	4253040
450 X 3.5 X 40 4503540	425	Χ	3.5	Χ	40	4253540
	450	Χ	3.0	Χ	40	4503040
500 X 4.0 X 40 5004040	450	Χ	3.5	Χ	40	4503540
	500	Χ	4.0	Χ	40	5004040





Cobalt Coldsaw Blades HSS-E (Co5%)

HSS-E Coldsaw Blade has a higher content of Cobalt the standard HSS Blades. It has a 5% Cobalt content meaning it is harder and suitable for cutting stainless and hi-tensile tubes.

This is our standard product used for cutting stainless steel and medium hard steel. It is a super high-speed steel that contains all the alloy elements already present in the Dmo5, plus 5% cobalt.

The cobalt does not form carbides, but ensures stability, preventing critical grain enlargement, and above all maintains extreme hardness during working temperatures. This peculiarity is very important when cutting very adherent materials such as stainless steel and very hard metals with high cutting temperatures.







Diam Bore			Code		
250	Χ	2.0	Χ	32	2502032C
250	X	2.0	Χ	40	2502040C
250	Χ	2.5	Χ	32	2502532C
250	X	2.5	Χ	40	2502540C
275	X	2.5	Χ	32	2752532C
275	Χ	2.5	Χ	40	2752540C
300	Х	2.5	Χ	32	3002532C
300	Х	2.5	Х	40	3002540C

Diam Bore		Code			
315	Χ	2.5	Χ	32	3152532C
315	X	2.5	Χ	40	3152540C
325	X	2.5	Χ	40	3252540C
350	X	2.5	Χ	32	3502532C
350	Х	2.5	Χ	40	3502540C
370	Χ	3.0	Χ	32	3703032C
400	Χ	3.0	Χ	40	4003040C







Friction Saw Blades

In our blade range we also offer friction saw blades for cutting pipes and structural shapes. We produce friction saw blades for stationary or flying cutting machines, to cut pipes and profiles in carbon steel. We offer a comprehensive range of dimensions that will fit all the major machines using friction technology, such as: Abbey, Etna, Dreistern, Mannesmann, Oto-Mills, MTM, Vai Seuthe, TRM, and Trennjäger.

Diameter X Width X Bore (mm)	Teeth	Code
400 X 6.0 X 40	Z = 240	4006040240F
520 X 4.0 X 40	Z = 300	5204040300F
600 X 4.0 X 40	Z = 300	6004040300F











Saws for Orbital Tube Cutting

Saws manufactured in HSS-Dmo5 and HSS-Co5 suitable for portable orbital cutting machines. These are built with BW tooth form in order to guarantee the chip evacuation, and are used on tubes with wall thickness between 3 - 5 mm. For cutting stainless steel it

is very important to use HSS-Co5 saws, which can offer longer tool life and a better surface. We can also produce these saw blades with P.V.D coating.







Diameter X Width X Bore (mm)	Teeth	Code
55 X 0.8 X 13	Z = 80	0550813080C
63 X 1.6 X 16	Z = 64	0631616064C
63 X 1.6 X 16	Z = 72	0631616072C
63 X 1.6 X 16	Z = 96	0631616096C
68 X 1.6 X 16	Z = 44	0681616044C
68 X 1.6 X 16	Z = 72	0681616072C
68 X 1.6 X 16	Z = 84	0681616084C
75 X 1.6 X 16	Z = 44	0751616044C
80 X 1.6 X 16	Z = 84	0801616084C
100 X 1.6 X 16	Z = 40	1001616040C
100 X 1.6 X 16	Z = 108	1001616108C
100 X 2.0 X 16	Z = 44	1002016044C
125 X 1.6 X 16	Z = 120	1251616120C
125 X 1.6 X 22	Z = 128	1251622128C
140 X 1.6 X 16	Z = 150	1401616150C

Coldsaw Blade Technical Information



Basic Tooth Selection Table

For metal cutting coldsaw blades

Material Diameter Ø	Wall Thickness	Blac	de Diam	eter						
		225	250	275	300	315	325	350	370	400
NUMBER OF TEETH										
20-40mm	3.0mm	140	160	160	180	180	200	220	220	240
20-40mm	2.0mm	200	200	220	240	240	260	280	300	340
20-40mm	1.0mm	220	240	260	280	300	320	340	350	380
40-50mm	5.0mm	100	120	140	140	160	160	160	180	180
40-50mm	3.0mm	140	140	160	160	160	160	180	200	200
40-50mm	1.0mm	220	240	260	280	300	320	340	350	380
50-80mm	5.0mm	100	120	120	120	140	160	160	180	180
50-80mm	3.0mm	140	140	160	160	180	180	200	200	220
50-80mm	1.0mm	220	240	260	280	300	320	340	350	380
80-100mm	5.0mm	-	-	120	140	140	140	160	160	160
80-100mm	3.0mm	-	-	160	180	200	200	200	220	220
80-100mm	1.0mm	-	-	260	280	300	300	340	340	360
100-120mm	5.0mm	-	-	-	-	140	140	140	160	160
100-120mm	3.0mm	-	-	-	-	200	200	180	180	180
100-120mm	1.0mm	-	-	-	-	280	300	300	320	340
120-150mm	5.0mm	-	-	-	-	-	-	120	120	140
120-150mm	3.0mm	-	-	-	-	-	-	180	180	180
120-150mm	1.0mm	-	-	-	-	-	-	300	320	340
Material Diameter Ø		Blac	le Diam	eter						
		225	250	275	300	315	325	350	370	400
		NUM	BER OF	TEETH						
10mm		180	200	220	240	240	240	240	260	280
20mm		160	180	200	200	220	200	200	220	240
30mm		140	140	160	160	180	180	180	200	200
40mm		100	120	140	140	160	160	160	180	180
50mm		80	100	120	120	140	140	140	160	160
60mm		-	-	80	80	100	100	120	140	140

Coldsaw Blade Technical Information



Pitch Choice

In order to choose the right number of teeth, it is important to consider the section that needs to be cut and the material. The pitch is correct when the teeth to section ratio is at least 1:3 for solid bars and 1:1 for pipes and structural shapes.

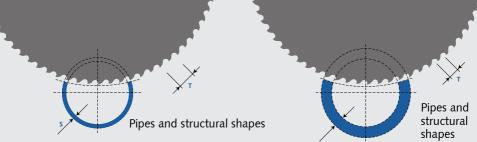
Wrong pitch S<3T Solid bar

Right pitch S>3T Solid bar S

Right pitch 2S>T

Wrong pitch 2S<T

Pipes and







Cermet-Tipped Blades

High quality Cermet circular saw blades, used for cutting solid material, mild and low carbon steels on stationary machines.

This is the right cutting tool for machines: Tsune, Amada, RSA, Rattunde, Everising, Kasto. Saw bodies made using only the best steel from European and Japanese factories.





Diameter X Width X Bore(mm) X Teeth	Code
285 x 2.0/1.6 x 32 x 80Z	2852016032080TCT
460 x 2,7/2,25 x 50 x 60Z	4602722550060TCT
460 x 2,7/2,25 x 50 x 80Z	4602722550080TCT
460 x 2,7/2,25 x 50 x 100Z	4602722550100TCT
750 x 2,7/2,25 x 50 x 60Z	7502722550060TCT
750 x 2,7/2,25 x 50 x 80Z	7502722550080TCT
750 x 2,7/2,25 x 50 x 100Z	7502722550100TCT





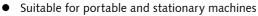






TCT Aluminium Blades

Excision produces Carbide tipped circular saw blades to cut light alloys such as aluminium, zinc, copper, brass and bronze. The tooth geometry is trapezoidal with a negative or positive cutting angle. Thanks to our special teeth geometry and the noiseless system we can also reduce vibration, resulting in an excellent surface finish. All these blades can be used on automatic and manual sawing machines, for cutting tubes, profiles for window frames, and solid materials.



- Variety of non-ferrous metals profiles & tubes
- Excision's Blades have a unique tooth geometry, enabling easy cutting and longer life



Negative hook angle for cutting Aluminum profiles and all plastics







Diameter X Width X Bore (mm)	
X Teeth	Code
250 X 3.2/2.5 X 30 X 60T	5242503060
300 X 3.2/2.5 X 30 X 96T	5243003096
350 X 3.3/2.8 X 32 X 84T	5243503284
350 X 3.3/2.8 X 32 X 96T	5243503296
350 X 3.3/2.8 X 30 X 108T	52435030108
350 X 3.3/2.8 X 30 X 96T	5243503096
350 X 3.3/2.8 X 32 X 96T	5243503296
380 X 3.8/3.2 X 32 X 110T	52438032110
400 X 4.0/3.2 X 30 X 120T	52440030120
420 X 4.0/3.2 X 30 X 96T	5244203096
500 X 4.2/3.6 X 30 X 120T	52450030120

Positive Hook Angle

Positive hook angle for cutting solid Aluminum and all plastics



Application areas





Diameter X Width X Bore (mm) X Teeth	Code
300 X 3.2/2.5 X 30 X 48T	5213003048
355 X 3.0/2.55 X 30 X 120T	52135530120
500 X 2.8/2.2 X 30 X 120T	52150030120
520 X 4.4/3.6 X 30 X 60T	52152030060
600 X 4.6/4.0 X 30 X 140T	52160030140



Aluminium Lube Stick is a wax-like lubricant that can be applied to the cutting edge to prevent aluminium swarf sticking to the blade.

XDP Alube

For oil or wax to increase blade life - refer to page 49-69

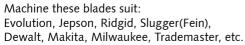
TCT Dry Cut Blades

Specifically engineered to easily cut through a wide variety of ferrous and other metals Low Noise and Resharpenable.

For use without coolant and low sparking Blades have a unique tooth geometry, enabling easy cutting and longer life

Materials these blades cut:

Pipes, threaded rods, profiles, corrugated and trapezoidal sheets, wireducts, sandwich panels, dry mortarless construction profiles, fastening profiles (DIN rails), grates using dry cutting method.



Diameter X Width X Bore (mm) X Teeth	Code
100 X 1.6/1.2 X 16 X 20T	5111001620
100 X 1.6/1.2 X 20 X 20T	5111002020
140 X 1.8/1.35 X 62 X 46T	5111406246
182 X 2.2/1.6 X 20 X 34T	5111822034
185 X 2.2/1.6 X 20 X 48T	5111822048
200 X 2.2/1.8 X 30 X 40T	5112003040
230 X 2.2/1.8 X 30 X 44T	5112303044
250 X 2.2/1.8 X 30 X 54T	5112503054
305 X 2.2/1.8 X 25.4 X 60T	5113052560
305 X 2.2/1.8 X 25.4 X 80T	5113052580
305 X 2.2/1.8 X 30 X 60T	5113053060
355 X 2.4/2.0 X 25.4 X 72T	5113552572
355 X 2.4/2.0 X 25.4 X 90T	5113552590
355 X 2.4/2.0 X 30 X 90T	5113553090



























TCT Stainless

The Excision TCT Stainless blade is made from new unique carbide that allows longevity and improved cutting quality in all metals and especially stainless steels.

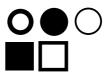
Smooth cutting of tubes, sheets, profiles and solid materials made of stainless steel, construction site steels and any kind of non-ferrous such as Aluminium or copper. Examples: stainless steel or copper tubes for sanitary usage, construction site square pipes, reinforcing steel, angle irons, corrugated sheets etc.

No other non-coated carbide tipped saw blade can cut such a wide range of materials, smoothly and for a long time.





Diameter X Width X Bore (mm) X Teeth	Code
250 X 2.2/1.8 X 25.4 X 60T	5152502560
305 X 2.2/1.8 X 25.4 X 72T	5153052572
355 X 2.4/2.0 X 25.4 X 84T	5153552584





















Excision is a manufacturer of high quality metal working fluids for all applications. We manufacture soluble oils to neat cutting oils and also supply other metalworking fluids such as slideway oil and hydraulic oils.



52-56Coolants



57-65Neat Oils



66-69 Industrial Fluids

Coolant Comparison Table

Leg	end:	Best 🚖	Better 7	Good	Not A _l	oplicable
				Coolant Type		
		XDP1000	XDP2000	XDP3000	XDP3500	XDP4500
	Туре	Soluble	Semi-Synthetic	Synthetic	Synthetic	Synthetic
	Cutting	***	***	**		
Application	Drilling	***	***	**		
	Machining	***	***	**		
	Grinding	*	**	***		
	Cobalt Grinding				***	
	Plasma					***
Metals	Aluminium	***	**	*	*	
	Steel	**	***	***	***	
	Yellow Metals	***	**	*	*	

Neat Oil Comparison Table

		Neat Oil Type							
		XDP118	XDP120	XDP135	XDP605	XDP900	XDP905 Fluid	XDP905 Spray	XDP905 Foam
Application	Drilling	**	***	*	*	***	***	***	***
	Machining	**	***	*	*	***	***	***	***
	Grinding	**	***	**	***	***	*	**	*
Pump	MQL (Misting)	***	***						
	Spray	**	**	***	***	**	*		
	Flood			**	***	***	**		
Metals	Aluminium	***	***	***	***	***	***	***	***
	Steel	***	***	**	***	***	***	***	***
	Yellow Metals	***	***	**	***		***	***	**



Dependable Metal Working Fluids

The Excision 1L system A unique concept developed to save money, time and wastage

1 Litre pouch of coolant that is pre-measured, so all you have to do is add to 20 litres of water



MINERAL



An economical coolant for use in a wide range of ferous and non-ferous metals.



SEMI-SYNTHETIC



An enhanced coolant developed from a formula to extend tool Life.









♦ XDP1000 Mineral Coolant

Soluble concentrate for general machining

XDP1000 is a water-miscible cutting fluid with high lubricating and cooling properties based on refined mineral oil and anti-wear and anti-oxidant additives. Thanks to its high oil content, it obtains a very good surface finish of parts and a long life of the tool.

XDP1000 is a cutting fluid that is suitable for machining metals such as steel, copper, brass and their alloys. It can be used in a wide range of water hardness between 50 and 500 ppm CaCO3. XDP1000 is a soluble oil free from chlorinated derivatives, boron, amines, nitrites or Sulphur's.

Benefits:

- Good corrosion and oxidation protection properties,
- High bio-stability giving a long life emulsion stability
- Better cooling and lubricating capacity
- Efficient chip removal

Application:

XDP1000 is a concentrate which must be diluted in water with hardness between 50 to 500 ppm of CaCO3. Concentrate has to be added to water and not vice versa. The application concentration could be between 5% to 6% for light duty operations and between 8% to 10% for heavy duty operations.

Size	Code
1 Lt x 10 pk	81110-10
5 Lt	81110-5
20 Lt	81110-20
205 Lt	81110-205











XDP2000 Semi-Synthetic Coolant

Semi-synthetic fluid for metal machining

XDP2000 is a semi-synthetic cutting fluid with high stability, designed for excellent surface finishes on ferrous metals, aluminium and aluminium alloys. It works specially where water is soft or with medium hardness. Once diluted disperses in nano-globules avoiding coalescence, depositions and other imperfections of the classic emulsions.

XDP2000 meets the latest technological advances in cutting solutions. Contains no secondary amines, nitrites, halogenated derivatives or any other substance that may adversely affect both health and the environment.

Benefits:

- It has excellent sump life.
- Greater cooling power,
- Increased resistance to foreign oils,
- Lower drag-out
- High emulsion stability in soft or medium hard water,
- High power corrosion inhibitor,
- High lubricating effect,
- Efficient chip removal
- Reject hydraulic and tramp oil



Application:

XDP2000 is dispersed in water by adding the concentrate to the water until the minimum of 4% and the maximum of 12%. The ideal concentration must be determined according to the complexity of the operation and water hardness: The product will be used for machining aluminium and ferrous alloys which intended to minimize the drag of coolant per piece.





Size	Code
1 Lt x 10 pk	81210-10
5 Lt	81210-5
20 Lt	81210-20
205 Lt	81210-205





Synthetic coolant for metal machining and grinding

XDP3000 is a synthetic fluid free from mineral oil, designed to obtain excellent surface finishing in aluminium alloys, steel and cast iron. XDP3000 is based on the latest technology and allows minimum consumption together with long sump life. It does not contain secondary amines, nitrites, halogenated derivatives and hard metals.



Benefits:

- Highest cooling power
- Very low drag-out
- Excellent stability in a wide range of water hardness
- High detergency



Application:

XDP3000 is indicated for water hardness of 50 to 600 ppm of CaCO3. The product has to be mixed with water by pouring it onto the water at a minimum concentration of 4%, to be adjusted depending on the severity of the operation. The product is recommended for machining of ferrous and aluminium alloys, where a minimum carry-over is expected, and for grinding.



Size	Code
5Lt	81310-5
20Lt	81310-20
205Lt	81310-205







XDP3500 Synthetic Coolant

Synthetic fluid for carbide grinding and metal machining

XDP3500 is a water-soluble synthetic metalworking fluid free from mineral oil for machining and grinding hard metals. It's stable and transparent with high antioxidant power. The product is studied especially for excellent finishes in machining operations and grinding tools, dies and carbide parts containing tungsten, carbide, copper, cobalt etc. XDP3500 doesn't emulsify tramp oils.





Benefits:

- Good antioxidant properties
- Does not cause leaching of cobalt
- Rejects foreign oils
- Gives better cooling effect
- Gives better lubrication without leaving oily residues

Application:

Add XDP3500 to water shaking slightly. Water hardness must not exceed 400ppm. As a general rule and normal grinding operations, concentration of employment is 3% to 6%.



Size	Code
5Lt	81350-5
20Lt	81350-20
205Lt	81350-205



XDP4500 Plasma Protector

Synthetic water-miscible plasma protector

XDP4500 is a synthetic fluid free from mineral oil, designed to effectively protect plasma cutting water tables. XDP4500 prevents oxidation from occurring in the water table and is highly effective against microorganisms of watery systems. Does not contain secondary amines, nitrites, halogenated derivatives and hard metals.



Benefits:

- Highest cooling power
- Strong anti-bacterial effect
- Effective corrosion prevention
- Excellent stability in a wide range of water hardness
- Odourless
- Easy to clean



Application:

XDP4500 is to be mixed with water at a concentration between 5 and 10%. It is recommended for protection of plasma cutting water tables.



Size	Code
5Lt	81445-5
20Lt	81445-20
205Lt	81445-205





Revolutionise how you do
Cutting, Drilling and Tapping or
use lubrication in high pressure
applications. XDP 905 - high
performance Paste and Oil in easy
to use applicators make any job
easier ensuring you get up to 5 times
tooling life.

XDP905 Range



Easy Spray Application

XDP905 Spray is a high performance neat oil for medium and severe cutting operations (milling, grinding, drilling, tapping, broaching and general cutting on lathes). It's suitable for cutting steel, stainless steel, low and high steel alloys, cast iron, aluminum alloys materials and yellow metals like copper and brass

- Low viscosity ideal for deep boring
- Reduces wear and friction
- Easy application
- Protects against corrosion
- Increases tool life up to 5 times
- Chlorine and heavy metals free technology

Size	Code
400g	84905-300











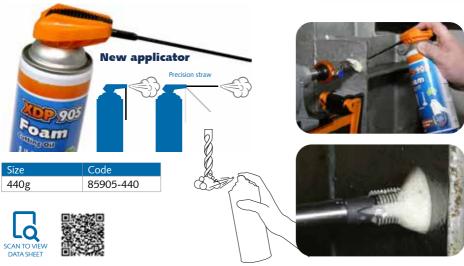
Ideal for vertical drilling - remains on the cutting tool

XDP 905 Foam is a cutting, drilling and tapping oil that is the ultimate performer in high pressure applications formulated for ferrous and non ferrous metals, great on stainless steel. XDP 905 Foam is a highly formulated semi-synthetic cutting oil - the latest development in extreme pressure cutting and tapping oils. XDP 905 provides exceptional film strength, adhesion to cutting edge, high speed applications, highest resistance to corrosion, and is ideal in deep boring and drilling applications. It is Chlorine and Sulphur free. Contains mineral oil for extra lubricity & low consumption - can therefore be used as minimum quantity lubricant.

- Foam thoroughly coats cutting tool
- Increases tool life up to 5 times
- Reduces wear and friction
- Protects against corrosion
- High residual lubricant
- Easy application foaming action
- Penetrates deep into the cut
- Promotes a superior finish











Available in mess-free application brush

XDP905 Paste is a high-performance neat product for medium and severe cutting operations (drilling, tapping, cutting, etc.). It is suitable to machine ferrous and non ferrous metals. XDP 905 Paste provides exceptional film strength, adhesion and extreme pressure properties. It has highest resistance to water and corrosion, and is an excellent anti-seize. It comes in an innovative no-mess tube with a heavyduty industrial brush attached to it. Simply squeeze the tube and apply the paste messfree to where it's required. The paste also comes in a traditional tub for easy dipping.



- Chlorine-free technology
- High performance
- Outstanding tool life
- Reduces wear and friction
- Protects against corrosion



Size	Code
200g Tube	83905-200
500g Tub	83905-500
5kg Tub	83905-5









Neat oil for metal machining

Excision's new XDP 905 Fluid for neat oil application continues the superior performance of the XDP 905 range. XDP905 is a high performance neat oil for medium and severe cutting operations (milling, grinding, drilling, tapping, broaching and general cutting on automatic lathes). It's suitable for cutting steel, stainless steel, low and high steel alloys, cast iron, aluminum alloys materials and yellow metals like copper and brass.

The product is a low mist and low odour formulation with excellent performance due to the presence of Extreme-Pressure additives and very highly refined mineral oils.

DP 905 Fluid SDP 905 Fluid Excision

Benefits:

- Low viscosity ideal for deep boring
- Protects against corrosion
- Reduces wear and friction
- Increases tool life up to 5 times







Application:

Applying the lubricant when cutting, drilling or tapping has never been easier. Simply point the nozzle of the bottle to the drill or cutting area, give it a slight squeeze and vital lubrication is provided when coolant cannot be applied via coolant systems.

Size	Code
500mL	82905-500
1 Lt	82905-1
5 Lt	82905-5
20 Lt	82905-20





XDP900 Threading & Cutting Oil

XDP900 is a high performance neat oil for medium and severe cutting operations. It's suitable for cutting ferrous (middle to high alloyed steel) and non-ferrous materials (Aluminium, copper and brass).

XDP900 belongs to the latest technology that is based in chlorine, active sulphur and heavy metals free additives.

The product is a low mist and low odour formulation with excellent performance due to the presence of Extreme-Pressure additives and very highly refined mineral oils.



Benefits:

- Chlorine and active sulphur free technology
- High performance
- Improved Tool life
- Low mist formation
- High flashpoint
- Low viscosity

Application:

XDP900 is a direct use product that needs to be filtered to lengthen its life time. The product can be used either in individual machining centers or in central systems.



Size	Code
5 Lt	82900-5
20 Lt	82900-20
205 Lt	82900-205







Neat oil for metal machining and grinding

XDP135 is a highly refined mineral-based cutting oil designed for medium to heavy duty cutting and grinding operations for ferrous and non-ferrous metals. It can be used specially for cutting, grinding, lapping and honing steel, aluminium and yellow metals without staining and with very low smells.

The select raw materials used in XDP135 provide good environmental conditions with very low mist and smoke in spite of its low viscosity.

Thanks to its anti-wear, extreme-pressure and polar additives, XDP135 has excellent lubrication and cooling properties, ensuring good corrosion protection on workpieces and machine parts.



Benefits:

- Excellent lubricating & cooling properties
- Easy to clean
- Low mist
- Very good corrosion & oxidation protection
- Mild odour

Application:

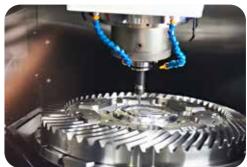
XDP135 is used as supplied, without dilution, for cutting and grinding operations. It is suitable for ferrous and non-ferrous metals, ensuring high performance cutting conditions, good machine protection and low environmental impact.

Size	Code
5Lt	82310-5
20Lt	82310-20
205Lt	82310-205











XDP605 Neat Grinding Oil

Neat oil for metal grinding

XDP 605 is a highly refined and hydro-cracked mineral oil designed for soft to medium duty cutting and grinding operations for use on ferrous and non ferrous metals. It can be used for grinding, lapping and honing steel and yellow metals without staining. The contents of XDP 605 allow it to be used in conditions of very low mist and smoke even if the viscosity is low. Its anti-wear and polar additives provides excellent lubrication and cooling. XDP605 is a food grade lubricant H-1 class (with incidental food contact)





- Doesn't stain any metal,
- Good lubricating and cooling properties
- Easy to clean
- Excellent lubricity and wear protection.
- Free of harmful compounds
- Good protective properties against corrosion and oxidation

Application:

XDP605 can be used for cutting and grinding operations without dilution. It is suitable for ferrous and non ferrous metals generally and specially cemented carbides including diamond and CBN wheels. Its characteristics allow excellent cutting conditions, high performance, machine efficiency with low environmental impact.

Size	Code
5Lt	82325-5
20Lt	82325-20
205Lt	82325-205







\$\rightarrow\$ XDP116 Spray Misting Oil

Neat oil for MQL

XDP 116 is a high performance, fully Biodegradable spray misting oil product. Formulated for aluminium cutting applications, it prevents the swarf from sticking to the cutting edge being exceptionally thin and leaving minimal residue.



Benefits:

- Minimal residue
- Fully Biodegradable
- High Anti-corrosion properties
- Chloride, nitrate, sulphur and silicone free

Application:

XDP116 is applied as supplied, preferably micro-dosed or sprayed in operations like sawing, milling and drilling of aluminium and its alloys. In general, it's suitable for non-ferrous metals. It's suitable for lubricating operations without chip, deformed or stamped product type.

MADE I	LA.
	$\sqrt{}$

Size	Code
5Lt	82410-5
20Lt	82410-20
205Lt	82410-205







XDP120 Neat Oil

Neat oil for MQL

XDP120 is a neat cutting synthetic oil used specially in the area of minimum quantity lubrication (MQL). It can be used primarily in machining steel, aluminium and aluminium alloys and non-ferrous metals in general.

The product can provide high wear protection to both parts and tools. In addition to a perfect finish, leaves almost no residue on workpieces. It's free of chlorinated compounds.





Benefits:

- Doesn't stain any metal,
- Low consumption,
- Low Mist at application,
- High oxidation stability,
- Excellent lubricity and wear protection.
- Minimal residual oil content in the chip,
- Biodegradable,
- Improved health and safety conditions.

Application:

XDP120 is applied as supplied, preferably micro-dosed or sprayed in operations like sawing, milling and drilling of steel, aluminium and its alloys. In general, it's suitable for non-ferrous metals. It's suitable for lubricating operations without chip, deformed or stamped product type.

Size	Code
5Lt	82430-5
20Lt	82430-20
205Lt	82430-205







♦ XDP-SW Slideway Oil

Available in ISO 32, 68, 220 grades.

XDP-SW Slideway Oil is an oil based lubricant formulated with higly refined mineral oil and special additives for its use in guides and slides on machines. It contains friction modifiers, extreme-pressure additives and demulsifiers which offer unctuousness and facilitate the separation of the coolants. It can be also used in tool-machines gearboxes and mechanical transmission subjected to very high loads.



- Very high adhesion on metallic surfaces avoiding noises and vibrations.
- Anti-wear and high extreme-pressure properties to enable its use in gearboxes and mechanical transmission for tool-machines.
- Excellent protection against corrosion and oxidation

Description	Stock Code
XDP-SW32 5 Lt	84132-5
XDP-SW32 20 Lt	84132-20
XDP-SW68 5 Lt	84168-5
XDP-SW68 20 Lt	84168-20
XDP-SW68 205 Lt	84168-205
XDP-SW220 5 Lt	841220-5
XDP-SW220 20 Lt	841220-20











Available in ISO 32, 46, 68 grades.

XDP-HYD Hydraulic Oil is intended for all hydraulic systems operating at high pressures and are not required to have significant variations in viscosity with temperature. Based on latest generation of high refining paraffins, ZDDP and viscosity improvers. Thus providing high reliability in preventing viscosity falls, oxidation and fluid stability



- Low wear of valves and pumps
- Easy separation from water
- It protects against corrosion and oxidation
- Good anti-wear components
- It contains extreme-pressure elements



Size	Code
XDP-HYD32 5Lt	82132-5
XDP-HYD32 20Lt	82132-20
XDP-HYD32 205Lt	82132-205
XDP-HYD46 5Lt	82146-5
XDP-HYD46 20Lt	82146-20
XDP-HYD46 205Lt	82146-205
XDP-HYD68 5Lt	82150-5
XDP-HYD68 20Lt	82150-20
XDP-HYD68 205Lt	82150-205









XDP825 Punch & Shear Oil

XDP825 is a high performance neat oil for medium and severe punch and shear operations. It's suitable for cutting ferrous (middle to high alloyed steel) and non-ferrous materials (Aluminium, copper and brass). Excellent performance due to the presence of Extreme-Pressure additives and very high refined mineral oils.

Size	Code
500ml	82825-500







XDP System Cleaner

XDP System Cleaner is a specially designed cleaner to be used in systems where metalworking fluids are continuously circulating. This product removes all dirtiness accumulated in pipes and tanks where metalworking fluids are running. XDP System Cleaner is formulated to clean, disinfect and remove lime or other salt residues formed after long periods of the metalworking fluid circulating inside the pipelines.

Benefits:

- High cleansing properties.
- Non corrosive properties.
- Compatible with all materials present in metalworking industries

Applications:

XDP System Cleaner is diluted in water at 3-6% depending on the dirtiness in the system.

The system needs to be completely emptied of normal product. Load inside the system the minimum amount of water that allows the system to be set up in circulation mode and add the corresponding % of XDP System Cleaner to reach the desired concentration. Solution needs to be in recirculation for at least 2 hours and rinsed out with clear water before refilling with fresh product.

If out coming water is not clean, repeat the operation described above until we reach an acceptable level of cleanliness.





Size	Code
500ml	84620-500
1Lt	84620-1



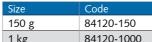


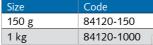




Aluminum Lube Stick

150 g 84120-150









🗘 Hand Cleaner

prevent it being eaten by rodents.

Excision Anti-bacterial hand cleaner is formulated carefully to give you the benefit of excellent cleaning and sanitation, whilst protecting your hands from drying out, as well as providing protection against 99.9% of germs. Contains heavy duty poly beads for cleaning all tough dirt, grime and grease!

XDP Aluminium Lube Stick is a wax-like lubricant that can be applied to the cutting edge to prevent aluminium swarf sticking to the blade. It has specially formulated additives to



- Formulation for cleaning the toughest grime and grease!
- Powerful Anti-bacterial Action kills 99.9% of germs
- Trusted robust cleaning & hygiene performance

Size	Code
5Lt	84610-5
20Lt	84610-20
5Lt with Hand Pump	84610-5P
5Lt with Hand Pump	84610-20P







Hand Wash

Excision Anti-bacterial Hand Wash is formulated carefully to give you the benefit of excellent cleaning and sanitation, whilst protecting your hands from drying out, as well as killing 99.9% of germs.

- Soothes & nourishes your skin, leaves your skin refreshed & clean
- Powerful Anti-bacterial Action kills 99.9% germs
- Trusted robust cleaning & hygiene performance

Size	Code
5Lt	84616-5
20Lt	84616-20
5Lt with Hand Pump	84616-5P
20Lt with Hand Pump	84616-20P







XDP Emulsion Mixer

XDP Emulsion Mixer ensures accurate and consistent blending of cutting oils or other liquids, which are to be mixed with water. The mixer is extremely easy to install and operate. The mixer is driven by water pressure only. Just turn on the water supply when re-filling your machines. Also available in a bigger aluminum model with a flow of 2000 I/h



Туре	Code
Emulsion Mixer	84610-205M



XDP Oil Skimmer

This Oil Skimmer removes unwanted tramp oils and other contaminants from the surface of the cooling lubricant. Surface Oil should always be removed, not only to extend the emulsion life, but also to create optimal conditions.

Туре	Code
Oil Skimmer	84610-05S



XDP Rotary Hand Pump

- Solid cast iron construction
- Approx. 3 revolutions per litre
- 3 piece steel suction pipe & 2" Bung Adaptor

Туре	Code
Rotary Pump	84610-205P



XDP Refractometer

The Refractometer is developed for control of the concentration of various industrial fluids. At a recommended oil concentration of 8% -12%, the emulsion will perform both the lubrication and cooling tasks. The oil to water ratio is measured by the EXCISION refractometer and can be read off a scale visible through the eyepiece or on the digital screen.



Туре	Code
Digital Refractometer	84610-05DR
Manual Refractometer	84610-05R





Excision MQL Micro Lubrication System

The Excision MQL Micro Lubrication System is an easy bolt-on MQL (Minimum Quantity Lubrication) system that can be fitted to any machine. Quantity and speed of lubrication is easily adjusted to suit vour needs. Can be used inside and outside machines. Increases tool life and production time and reduces waste and mess.

Benefits:

- Extends Tool Life
- Ecconomical and **Eco-friendly**
- Safer for operators
- Prevents corrosion damage to machinery & steel





Slze	Code
MQL 1.5L	8501024V

Different nozzle types available







Coolant Pumps

A full range of coolant pumps to suit all models and makes. Making sure you have constant flow of coolant is critical.

Size	Code
85mm Leg 240/415V	88140020
115mm Leg 240/415V	88140022
140mm Leg 240/415V	88140025





Excision Tank Filter **XDP 90F 240V**

XDP 90F - Filtration system for coolant lubricants, oils and watery solutions. XDP 90F is suitable for all industrial basins. XDP 90F can be placed easily into the tank for fast cleaning:

You can clean and filter all of your baths immediately - the patented mechanical micro filtration technology of XDP 90F only needs a couple of minutes. The result is a clean high quality coolant lubricant, oil and watery solution - freed from chips and solids.



SIZE	Couc
90L/min	85590



20 LT Drum Including tap in the lid

Empty 20Lt drum with a tap in the lid, perfect for mixing your metalworking fluid solution.

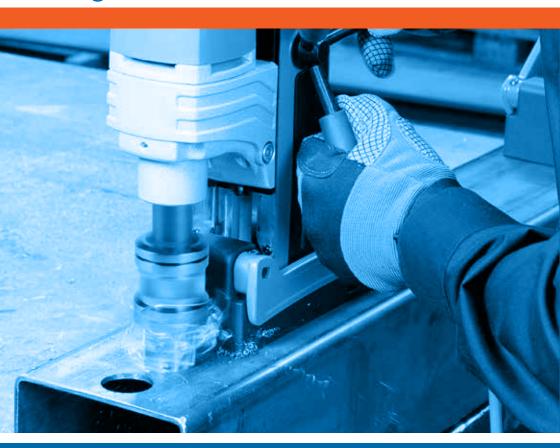
Size	Code
20Lt	20LTDRUM







Magnetic **Drills**





Precision magnetic based drills - made in Germany for the toughest of Australian conditions. Explore the massive range up to 130mm diameter. We have a drill for every job!



Comparison Table

Magnex Drills			
Model Name Magnex40		Magnex50	Magnex100RLE
	40mm	50mm	100mm
Capacity	Ø 12.0 - 40 mm	Ø 12.0 - 50.0 mm	Ø 12.0 - 100.0 mm
Forward/Reverse	N	N	Υ
Speed	450 rpm	1. Step 250 rpm 2. Step 450 rpm	1. Step 50 - 110 rpm 2. 'Step 75 - 175 rpm 3. Step 105 - 245 rpm 4. Step 165 - 385 rpm
Magnet	Permanent	Permanent	Permanent

	EM Drills								
Model Name	EM32 Compact	EM35	EM40	EM50	EM50 RLE	EM80	EM80 RLE	EM100 RLE	EM150
	32mm	35mm	40mm	50mt	n	80n	nim		000mm
					B				
Capacity	32mm	35mm	40mm	50mm	50mm	80mm	80mm	100mm	150mm
Forward/ Reverse	N	N	N	N	Υ	N	Y	Y	N
Speed	450 rpm	450 rpm	450 rpm	250 rpm 450 rpm	50-110 rpm 75-175 rpm 105-245 rpm 165-385 rpm	110 rpm 175 rpm 245 rpm 385 rpm	50-110 rpm 75-175 rpm 105-245 rpm 165-385 rpm	50-150 rpm 75-230 rpm 100-310 rpm 160-490 rpm	30-80 rpm 50-120 rpm 130-350 rpm 210-550 rpm
Magnet	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric



The new, unique Magnex Drill provides improved safety by using a powerful magnet that does not need a power supply to work.

It adheres to even the thinnest steel sheets or beams allowing:

- Safe working environment magnet adheres without power supply
- Increased efficiency not having to use secondary clamps, straps, chains or additional counter magnets – less time is spent getting the job done
- Wider range of application from 1.6mm+ steel whatever steel you're facing the Magnex will adhere to it

It comes in 3 sizes, the Magnex Drill 40, Magnex Drill 50 (two speed workhorse) and Magnex Drill 100 RLE, so no job is too big or too small. Getting it done faster, safer and more reliably.



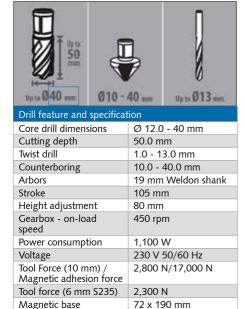




Magnex Drill 40

- Very light and compact
- Smooth start motor with overload protection and emergency stop
- Stepless adjustment slides
- Self-adjusting guides
- Soft touch grips
- Membrane keyboard

Capacity





9.9 kg







Code	18801		
	Magnet		
Perman	ent Magnet	•	
Tin-Coa	Tin-Coating •		
	Scope of delivery		
Metal c	ore drilling machine Magnex40	•	
Carrying Case			
Safety S	•		
Coolant Device			
Operati	Operating Instructions		

Weight





Magnex Drill 50

Smooth start motor with overload protection & emergency stop

- 2-Speed workhorse
- Very light and compact
- Stepless adjustment slides
- Self-adjusting guides
- Soft touch grips
- Membrane keyboard

Capacity



Up to 1050 mm	Ø10 - 40) mm	Up to Ø20 mm	
Drill feature and	specificatio	n		
Core drill dimens	sions	Ø 12	2.0 - 50.0 mm	
Cutting depth		50.0	mm	
Twist drill		1.0	- 20.0 mm	
Counterboring		10.0	- 40.0 mm	
Arbors Stroke		MT2	MT2	
		100 mm		
Height adjustme	nt	47 mm		
Gearbox - on-load speed			ep 250 rpm ep 450 rpm	
Power consumpt	tion	1,200 W		
Voltage		230 V 50/60 Hz		
Tool force (10 mm S235) Magnetic base		2,80	0 N	
		72 x	190 mm	
Weight		11.5	kg	









*Note tool holder pictured is different from standard supply



Code	18850		
	Magnet		
Perman	ent Magnet	•	
Tin-Coa	Tin-Coating •		
Scope of delivery			
Metal co	ore drilling machine Magnex50 MK2	•	
Carrying	g Case	•	
Safety S	trap	•	
Coolant	Device	•	
Operati	ng Instructions	•	



Magnex 100 RL-E

- Smooth start motor with overload protection and emergency stop
- Very light and compact I Stepless adjustment slides
- Self-adjusting guides
- Soft touch grips
- Membrane keyboard

Capacity



Drill feature and specification		
Core drill dimensions	Ø 12.0 - 100.0 mm	
Cutting depth	110.0 mm	
Twist drill	Ø 1.0 - 16.0 mm with drill chuck up to Ø 32.0 mm with MT3 DIN 345	
Counterboring	Ø 10 - 55.0 mm	
Tapping	with tapping chucks: up to M30 with tapping attachment: up to M30	
Arbors	MT3	
Stroke	190 mm	
Height adjustment	60 mm	
4-speed gear	right/left 1. Step 50 - 110 rpm 2. Step 75 - 175 rpm 3. Step 105 - 245 rpm 4. Step 165 - 385 rpm	
Power consumption	1,800 W	
Voltage	230 V 50/60 Hz	
Magnetic holding force	22.000 N	
Tool force (10 mm)	2.500 N	
Magnetic base	94 x 255 mm	

22.6 kg



*Note tool holder pictured is different from standard supply

Code	18628		
	Magnet		
Perman	ent Magnet	•	
Tin-Coa	Tin-Coating •		
	Scope of delivery		
Metal core drill Magnex 100 RL-E			
Incl. coolant system and tool holder with internal cooling			
Safety Strap			
Operating Instructions			





Weight





EM32 Compact

- Height only 227mm. Can be reduced to 185mm by removing the carry handle
- 2 Coil 16,000N Magnetic Adhesion
- 19mm Weldon Shank takes standard 30mm depth cutters
- Dual Left or Right Hand Side Handle Mounting
- Integrated Coolant System with Coolant Bottle





Capacity	
Up to Ø32 mm	Ø10 - 32 mm
Daill factions and acception	At a se

	Drill feature and specifi	cation	
	Core drill dimensions	Ø 12.0 - 32.0 mm	
	Cutting depth	30.0 mm	
	Counterboring	Ø 10.0 - 32.0 mm	
	Tapping	with tapping chucks: up to M30 with tapping attachment: up to M30	
	Arbors	19 mm Weldon shank	
	Stroke	45 mm	
	1-speed gearbox	450 rpm	
	Power consumption	900 W	
	Voltage	230 V 50/60 Hz	
	Magnetic holding force	22.000 N	
Tool force (10 mm)/ magnetic adhesion strength		2,100 N /16,000 N	
Magnetic base Weight		95 x 200 mm	
		12.5 kg	





Code	18710	
	Scope of delivery	
Metal co	ore drilling machine EM 32 ct	•
Carrying	g case	•
Safety Strap		
Operati	ng Instructions	•



Features

- Light weight, Simple operation
- Spring loaded guide for rigid gliding and removes vibration
- Direct Weldon arbor type spindle
- Durable switches
- 2 Coil 9,000N Magnetic Adhesion



Drill feature and specification		
Core drill dimensions	Ø 12.0 - 35.0 mm	
Cutting depth	50.0 mm	
Twist drill	1.0 – 13.0 mm	
Arbors	19 mm Weldon shank	
Stroke	120 mm	
Gearbox - on-load speed	450 rpm	
Power consumption	1,100 W	
Voltage	230 V 50/60 Hz	
Tool Force (10 mm) /	2,100 N/9,000 N	
Magnetic adhesion strength		
Magnetic base	70 x 185 mm	
Weight	10.6 kg	

Code	18400	
	Scope of delivery	
Metal core drill EMB35		
Carry case		
Safety Strap		
Coolant device		•
Operating instructions •		









Features

- 9,000N Magnetic Adhesion
- Spring loaded guide for rigid gliding and removes vibration
- Height adjustable slide enables use of standard twist drills
- Smart Start feature
- Integrated coolant system with coolant unit
- Durable Touch Pad



Drill feature and specification	
Core drill dimensions	Ø 12.0 - 40 mm
Cutting depth	50.0 mm
Twist drill	1.0 - 13.0 mm
Counterboring	10.0 - 40.0 mm
Arbors	19mm Weldon
	shank
Stroke	129 mm
Height adjustment	86 mm
Gearbox - on-load speed	450 rpm
Power consumption	1,100 W
Voltage	230 V 50/60 Hz
Tool Force (10 mm) /	2,100 N/9,000 N
Magnetic adhesion strength	
Magnetic base	70 x 185 mm
Weight	11.5 kg

Code	18500
	Scope of delivery
Metal c	ore drill EM40
Carrying case	
Safety S	itrap •
Coolant device	
Operating Instructions	









Features

- Spring loaded guide for rigid gliding and removes vibration
- Height adjustable slide enables use of standard twist drills
- 2 Coil 12,000N Magnetic Adhesion
- Integrated coolant system with coolant unit
- Direct Weldon arbor type spindle

 ensures concentricity and
 versatility



Up to Ø 50 mm	010-40	HE.	Up to Ø20 mm
Drill feature and specification			
Core drill dimens	sions	Ø ′	12.0 - 50.0 mm
Cutting depth		50.0	O mm
Twist drill		1.0 - 16.0 mm	
		wit	h chuck
Counterboring		10	.0 - 40.0 mm
Tapping			h tapping achment M3 - '0
Arbors		19r sha	nm Weldon nk
Stroke		190) mm
Height adjustme	nt	100) mm
2-speed gearbox	Load	1.S	tep 250 rpm
speed		2.S	tep 450 rpm
Power consumption		1,2	00 W
Voltage		230) V 50/60 Hz
Tool Force (10 m	ım) /	3,5	00 N/12,000N
Magnetic adhesion strength			
Magnetic base		92	x 220 mm
Weight		15.	0 kg



Code	18510	
	Scope of delivery	
Metal c	ore drill EM50	
Carryin	g case •	
Safety S	otrap •	
Operati	ng Instructions •	









GERMANY



EM50 RL-E

Features

- Solid Brass Guides
- Oil Bath Gearbox 2 Speed
- Forward-reversible drive
- 3 Coil 16000N Magnetic Adhesion
- Morse Taper 2 spindle
- Variable Speed

Capacity



Up to 30 3 U mm M3 M2 U	10 40 nm Op to 920mm	
Drill feature and specification		
Core drill dimensions	Ø 12.0 - 50.0 mm	
Cutting depth	50.0 mm	
Twist drill	with quick-release chuck MT2 up to Ø 20.0 mm with MT 2 DIN 345 direct	
Counterboring	10.0 - 40.0 mm	
Tapping	with tapping chucks: M3 - M14 with tapping attachment M3 - M20	
Arbors	MT2	
Stroke	170 mm	
Height adjustment	100 mm	
2-speed gearbox	right / left 1. Step 100 - 250 rpm 2. Step 180 - 450	

EMSO RL-E

Code	18611	
	Scope of delivery	
Metal c	ore drill EM50 RL-E	•
Carryin	g case	•
Safety S	trap	•
Operati	ng Instructions	•





*Note tool holder pictured

is supplied separately

Power consumption

Tool Force (10 mm) /

Magnetic base

Magnetic adhesion strength

Voltage

Weight

rpm

1,200 W

230 V 50/60 Hz

92 x 238 mm

16.0 kg

3,800 N/16,000 N



Features

- 3 Coil Power Increase Magnet
- Durable Touch Pad
- Morse Taper 3
- Height adjustable slide up to 280mm
- Twist Drilling Capacity 32mm

Capacity



14mmbl	100		Y
о _{р 1 н} Ø80 mm	Ø10 - 55	-	о _{р to} Ø32 mm
Drill feature and	specification		
Core drill dimens	sions	Ø20	2.0 - 80.0 mm/ 0.0 - 50.0 mm tra long 110)
Cutting depth		50.0) mm / 110.0 mm
Twist drill		with Up	o - 16.0 mm n drill chuck to Ø 32.0 mm n MT3 DIN 345
Counterboring		10	- 55.0 mm
Tapping			n tapping chment: Up to 0
Arbors		MT	3
Stroke		190	mm
Height adjustme	nt	100	mm
4-speed gearbox speed	: Load	2. S 3. S	tep 110 rpm tep 175 rpm tep 245 rpm Step 385 rpm
Power consumpt	tion	1,80	00 W
Voltage		230	V 50/60 Hz
Tool Force (10 m Magnetic adhesi		4,00	00 N/16,000 N
Magnetic base		92 :	x 220 mm

19.5 kg



Code	18625	
	Scope of delivery	
Metal c	ore drill EM80	
	with internal cooling No. 18025)	
Carry ca	ase	
Safety S	Strap •	
Operating instructions		





Weight



Features

- Solid Brass Guides
- Tapping capacity up to M30
- Oil Bath Gearbox 4 Speed
- 3 Coil 20,000N Magnetic Adhesion
- Forward-reversible drive
- Morse Taper 3 spindle
- Variable Speed



Taxabana and taxab	STATE OF THE PARTY
Drill feature and specification	
Core drill dimensions	Ø50.0 mm/110.0 mm
Cutting depth	50.0 mm / 110.0 mm
Twist drill	1.0 - 16.0 mm with drill chuck Up to Ø 32.0 mm with MT3 DIN
Counterboring	10 - 55.0 mm
Tapping	with tapping chucks: Up to M30. With tapping attachment: Up to M30
Arbors	MT3
Stroke	190 mm
Height adjustment	60 mm
2-speed gearbox	1.Step 50 - 110 rpm 2.Step 75 - 175 rpm 3.Step 105 - 245 rpm 4.Step 165 - 385 rpm
Power consumption	1,800 W
Voltage	230 V 50/60 Hz
Tool Force (10 mm) / Magnetic adhesion strength	4,200 N/20,000 N
Magnetic base	92 x 238 mm, 30° adjustable right and left, 10 mm front and back
Weight	22.0 kg



Code	18626	
	Scope of delivery	
Metal c	ore drill EM80 RL-E	•
Carrying	g case	•
Coolant	device	•
Safety S	trap	•
Operati	ng instructions	•







♦ EM100 RL-E

Features

- 3 Coil 20,000N Magnetic Adhesion
- Solid Brass Guides
- Durable Touch Pad
- Morse Taper 3
- Height adjustable slide up to 280mm
- Twist Drilling Capacity 32mm



Drill feature and Specification	
Core drill dimensions	Ø12.0 - 100.0 mm
Cutting depth	110.0 mm
Twist drill	Ø 1.0 - 16.0 mm
	with drill chuck Up to
	Ø 32.0 mm with MT3
	DIN 345
Counterboring	10.0 - 55.0 mm
Tapping	with tapping chucks:
	Up to M30 with
	tapping attachment:
	Up to M30
Arbors	MT3
Stroke	245 mm
Height adjustment	116 mm
4-speed gearbox	1. Step 50 - 150 rpm
	2. Step 75 - 230 rpm
	3. Step 100 - 310 rpm
	4.Step 160 - 490 rpm
Power consumption	2,500 W (230 V)
Voltage	230 V 50/60 Hz
Tool Force (10 mm) /	4,000 N/20,000 N
Magnetic adhesion strength	
Magnetic base	92 x 238 mm,
	30° adjustable right
	and left, 10 mm
	front and back
Weight	28.0 kg



Code	18634	
	Scope of delivery	
Metal co	ore drill EM100 RL-E	•
Carrying case		
Coolant device		
Safety Strap		
Operating instructions •		







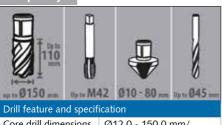




Features

- 6 Coil MPI 32,000N Magnet
- Tapping capacity up to M42
- Twist drill capacity up to 45mm
- Durable Touch Pad
- Solid brass guides

Capacity



Drill feature and specif	ication
Core drill dimensions	Ø12.0 - 150.0 mm/ Ø20.0 - 50.0 mm (extra long 110 mm)
Cutting depth	50.0 mm / 110.0 mm
Twist drill	Up to Ø 45.0 mm with MT4 DIN 345 direct
Counterboring	10.0 - 80.0 mm
Tapping	with tapping attachment Up to M42
Arbors	MT4
Stroke	230 mm
Height adjustment	100 mm
Power consumption	2,500 W
Voltage	230 V 50/60 Hz
Tool Force (10 mm) / Magnetic adhesion strength	5,000 N/33,000 N
Magnetic base	90 x 400 mm
Weight	34.5 kg
4-speed gearbox	1.Step 30 - 80 rpm 2.Step 50 - 120 rpm







Code	18645	
	Scope of delivery	
Metal c	ore drill EM150	•
Transportation packing		•
Coolant	device	•
Safety Strap		•
Operating instructions		•



3.Step 130 - 350 rpm

4.Step 210 - 550 rpm





Description	Code	Magnex 40 EMB 35 EM 40 EM 50	Magnex 50 EM 50 RL-E	EM 80 EM 80 RL-E EM 100 RL-E	Part Image
Quick-release tool holder • Morse taper 2 • with automatic internal cooling • suitable for all machines with drill spindle MT 2 • Application range to 40 mm core drill Ø	18650		•		m n.
Ouick-release tool holder • Morse taper 3 • with automatic internal cooling • suitable for all machines with drill spindle MT 3 • Application range to 40 mm core drill ∅	18651			•	
Keyed Drill Chuck with Weldon arbor for twist drills • Ø 1 -13 mm	18106	•			24
Quick-release chuck with Weldon arbor for twist drills • Ø 1 -13 mm	18107	•			1
Keyed Drill Chuck with Morse taper 3 for twist drills • Ø 1 - 16 mm	18011			•	1
Quick-release chuck with Morse taper 2 for twist drills • Ø 1 - 16 mm	18008		•		
Quick-release chuck with Morse taper 3 for twist drills • Ø 1 - 16 mm	18009			•	
Tool holder AMT-2 without internal cooling	21003		•		
Tool holder AMT-3 without internal cooling	21025			•	(RA)
Adapter sleeve MT 3/2	18023			•	
Tool holder AMK-2 Morse taper 3 for core drills • Ø 12 - 100 me • with automatic internal cooling • suitable for all machines with drill spindle MT 2	18003		•		
Tool holder AMK-3 Morse taper 3 for core drills • Ø 12 - 100 mm • with automatic internal cooling • suitable for all machines with drill spindle MT 3	18025			•	







Description	Code	Part Image
Chuck Adaptor • Suits standard UNF 1/2 chucks • Universal weldon shank	21105	
EXTENSION ADAPTER With Weldon shank and ejector pin. For use on core drills 25 - 30 - 35 - 50 mm cutting depth in cases when the surface of the material to be drilled is deeper than the stand space of the machine. The first ejector pin triggers the second ejector pin; the coolant flows through the borehole to the core drill. Total adapter length: 80 mm	20206	



Description	Code	Shaft	EM 50	EM 80	Part Image
TAPPING ATTACHMENT M3-M12 Scope of delivery: with Weldon Shank and MT2, interchangeable, Plastic case, manual	18652	MT2 + Weldon Shank	•	with adapter sleeve MT 3/2	200
TAPPING ATTACHMENT M10-M20 Scope of delivery: with Weldon Shank and MT2, interchangeable, Plastic case, manual	18653	MT2 + Weldon Shank	•	with adapter sleeve MT 3/2	



Description	Features	Code	Part Image
VACUBEST VACUUM	For non-magnetic surfaces 400 x 200mm vacuum plate Complete with vacuum pump	18150	N3: Drill not included
COOLANT UNIT	Includes tank, tap & hose	18104	Ą
TRANSPORT CASE	To suit EM40 and EM50	18532	
TRANSPORT CASE	● To suit EM80, RLE 50, RLE 80	18566	
PIPE CLAMPING ATTACHMENT	● For pipes ø80-300mm ● Single chain	18109	

















Excision has a large range of core drills for drilling all diameters and depths. The Excision core drill is unique in geometry and drills easier for longer.



92-95 Cobalt Core Drills



info@excision.com.au

+61 3 5551 4555

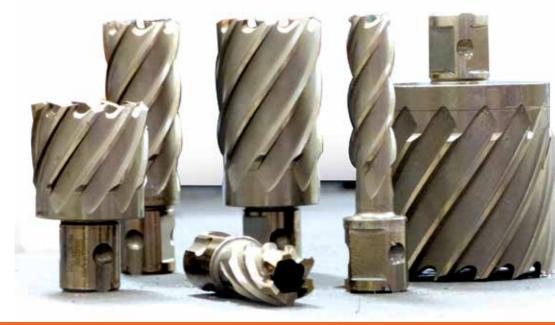
96-100 TCT Core Drills

Excision Core Drills

- HSS 5% Cobalt for increased life
- Multi-fit shank
- One pin suits all sizes
- Thinner wall for faster drilling and less power to drive











Core Drills

5% Cobalt 30mm depth

- 1 pin fits every diameter 12mm to 50mm
- High Speed Steel with 5% Cobalt Cutters
- Will drill harder materials
- Longer Lasting Will drill harder materi Multi Fit Fits all makes of magnetic based drill including all quick change systems

Diameter	Code	Diameter	Code
12	1905012030	32	1905032030
13	1905013030	33	1905033030
14	1905014030	34	1905034030
15	1905015030	35	1905035030
16	1905016030	36	1905036030
17	1905017030	37	1905037030
18	1905018030	38	1905038030
19	1905019030	39	1905039030
20	1905020030	40	1905040030
21	1905021030	41	1905041030
22	1905022030	42	1905042030
23	1905023030	43	1905043030
24	1905024030	44	1905044030
25	1905025030	45	1905045030
26	1905026030	46	1905046030
27	1905027030	47	1905047030
28	1905028030	48	1905048030
29	1905029030	49	1905049030
30	1905030030	50	1905050030
31	1905031030	STATE OF THE PARTY	







Suitable Pin RA359-B 1926500

Stack Cutters:

HSS-Co cutters suitable for drilling multiple layers are available on request for an additional cost.

HSS-Co Core Drills

5% Cobalt 50mm depth

- 1 pin fits every diameter 12mm to 60mm
- High Speed Steel with 5% Cobalt Cutters
 - Longer Lasting Will drill harder materials
- Multi Fit Fits all types of magnetic based drill including all quick change systems

Diameter	Code	Diameter	Code
12	1905012050	37	1905037050
13	1905013050	38	1905038050
14	1905014050	39	1905039050
15	1905015050	40	1905040050
16	1905016050	41	1905041050
17	1905017050	42	1905042050
18	1905018050	43	1905043050
19	1905019050	44	1905044050
20	1905020050	45	1905045050
21	1905021050	46	1905046050
22	1905022050	47	1905047050
23	1905023050	48	1905048050
24	1905024050	49	1905049050
25	1905025050	50	1905050050
26	1905026050	51	1905051050
27	1905027050	52	1905052050
28	1905028050	53	1905053050
29	1905029050	54	1905054050
30	1905030050	55	1905055050
31	1905031050	56	1905056050
32	1905032050	57	1905057050
33	1905033050	58	1905058050
34	1905034050	59	1905059050
35	1905035050	60	1905060050
36	1905036050		





Suitable Pin RA360 1950500



Core Drills Set

• 4 cutters & 1 pin to suit

1 x 14, 1 x 18, 1 x 20,
 1 x 22 and 1 pin

 Presented in heavy duty plastic case.

HSS - 5% Cobalt



Piece Set	5 Piece	5 Piece
Cutter Depth	30mm	50mm
CODE	1905005030	1905005050

Excision TCT Core Drills

The Dependable Precision TCT core drills - tested and proven to make holes in the toughest steels. Tungsten carbide tipped core drills (annular cutters / broach cutters) are designed for long life when drilling hardened steel materials.





TCT Core Drills

35mm depth

Diameter Code 12 2005012035 13 2005013035 14 2005014035 15 2005015035 16 2005016035 17 2005017035 18 2005018035 19 2005019035		
13 2005013035 14 2005014035 15 2005015035 16 2005016035 17 2005017035 18 2005018035 19 2005019035	Diameter	Code
14 2005014035 15 2005015035 16 2005016035 17 2005017035 18 2005018035 19 2005019035	12	2005012035
15 2005015035 16 2005016035 17 2005017035 18 2005018035 19 2005019035	13	2005013035
16 2005016035 17 2005017035 18 2005018035 19 2005019035	14	2005014035
17 2005017035 18 2005018035 19 2005019035	15	2005015035
18 2005018035 19 2005019035	16	2005016035
19 2005019035	17	2005017035
	18	2005018035
200502025	19	2005019035
20 2005020035	20	2005020035
21 2005021035	21	2005021035

Diameter	Code
22	2005022035
23	2005023035
24	2005024035
25	2005025035
26	2005026035
27	2005027035
28	2005028035
29	2005029035
30	2005030035
31	2005031035

Diameter	Code
32	2005032035
33	2005033035
34	2005034035
35	2005035035
36	2005036035
37	2005037035
38	2005038035
39	2005039035
40	2005040035





TCT Core Drills

50mm depth

Diameter	Code
12	2005012050
13	2005013050
14	2005014050
15	2005015050
16	2005016050
17	2005017050
18	2005018050
19	2005019050
20	2005020050
21	2005021050
22	2005022050
23	2005023050
24	2005024050
25	2005025050
26	2005026050
27	2005027050
28	2005028050
29	2005029050
30	2005030050
31	2005031050
32	2005032050

Diameter	Code
33	2005033050
34	2005034050
35	2005035050
36	2005036050
37	2005037050
38	2005038050
39	2005039050
40	2005040050
41	2005041050
42	2005042050
43	2005043050
44	2005044050
45	2005045050
46	2005046050
47	2005047050
48	2005048050
49	2005049050
50	2005050050
51	2005051050
52	2005052050
53	2005053050

Diameter	Code
54	2005054050
55	2005055050
56	2005056050
57	2005057050
58	2005058050
59	2005059050
60	2005060050
61	2005061050
62	2005062050
63	2005063050
64	2005064050
65	2005065050
66	2005066050
67	2005067050
68	2005068050
69	2005069050
70	2005070050
71	2005071050
72	2005072050
73	2005073050
74	2005074050



Diameter	Code
75	2005075050
76	2005076050
77	2005077050
78	2005078050
79	2005079050
80	2005080050



TCT Core Drills 75mm depth

- Depth of cut 75mm
- Tungsten Carbide Tips for harder metals and faster drilling
- Universal Shank (19mm) for all magnetic drills

Diameter	Code	Diam
14	2005014075	37
15	2005015075	38
16	2005016075	39
17	2005017075	40
18	2005018075	41
19	2005019075	42
20	2005020075	43
21	2005021075	44
22	2005022075	45
23	2005023075	46
24	2005024075	47
25	2005025075	48
26	2005026075	49
27	2005027075	50
28	2005028075	51
29	2005029075	52
30	2005030075	53
31	2005031075	54
32	2005032075	55
33	2005033075	56
34	2005034075	57
35	2005035075	58
36	2005036075	59

Diameter	Code
37	2005037075
38	2005038075
39	2005039075
40	2005040075
41	2005041075
42	2005042075
43	2005043075
44	2005044075
45	2005045075
46	2005046075
47	2005047075
48	2005048075
49	2005049075
50	2005050075
51	2005051075
52	2005052075
53	2005053075
54	2005054075
55	2005055075
56	2005056075
57	2005057075
58	2005058075

Diameter	Code
60	2005060075
61	2005061075
62	2005062075
63	2005063075
64	2005064075
65	2005065075
66	2005066075
67	2005067075
68	2005068075
69	2005069075
70	2005070075
71	2005071075
72	2005072075
73	2005073075
74	2005074075
7	2005075075
76	2005076075
77	2005077075
78	2005078075
79	2005079075
80	2005080075





2005059075







100mm depth

- Depth of cut 100mm
- Tungsten Carbide Tips for harder metals and faster drilling
- Universal Shank (19mm) for all magnetic drills

Diameter	Code
18	2005018100
19	2005019100
20	2005020100
21	2005021100
22	2005022100
23	2005023100
24	2005024100
25	2005025100
26	2005026100
27	2005027100
28	2005028100
29	2005029100
30	2005030100
31	2005031100
32	2005032100
33	2005033100
34	2005034100
35	2005035100
36	2005036100
37	2005037100
38	2005038100
39	2005039100
40	2005040100

Diameter	Code
41	20050410100
42	20050420100
43	20050430100
44	20050440100
45	20050450100
46	20050460100
47	20050470100
48	20050480100
49	20050490100
50	20050500100
51	20050510100
52	20050520100
53	20050530100
54	20050540100
55	20050550100
56	20050560100
57	20050570100
58	20050580100
59	20050590100
61	20050610100
62	20050620100
63	20050630100
64	20050620100

Diameter	Code
65	2005065100
66	2005066100
67	2005067100
68	2005068100
69	2005069100
70	2005070100
71	2005071100
72	2005072100
73	2005073100
74	2005074100
75	2005075100
76	2005076100
77	2005077100
78	2005078100
79	2005079100
80	2005080100
85	2005085100
90	2005090100
95	2005095100
100	2005100100

TCT Core Drills 150mm depth

- Depth of cut 150mm
- Tungsten Carbide Tips for harder metals and faster drilling
- Universal Shank (19mm) for all magnetic drills

Diameter	Code
22	2005022150
24	2005024150
25	2005025150
26	2005026150
28	2005028150
30	2005030150
32	2005032150
34	2005034150
35	2005035150
36	2005036150
38	2005038150
40	2005040150
42	2005042150
44	2005044150
45	2005045150
46	2005046150
48	2005048150
50	2005050150
52	2005052150
54	2005054150
55	2005055150
56	2005056150

Diameter	Code
58	2005058150
60	2005060150
61	2005061150
62	2005062150
63	2005063150
64	2005064150
65	2005065150
66	2005066150
67	2005067150
68	2005068150
69	2005069150
70	2005070150
71	2005071150
72	2005072150
73	2005073150
74	2005074150
75	2005075150
76	2005076150
77	2005077150
78	2005078150
79	2005079150
80	2005080150







Ejector Pins



Depth of Cutter	Diameter of Cutter	Description	Code
30mm	All Diameters	PIN Ø6.35 x 77mm	1926500
50mm	All Diameters	PIN Ø6.35 x 102mm	1950500

Pins to suit TCT Core Drills

Depth of Cutter	Diameter of Cutter	Description	Code
35mm	12mm	PIN Ø6.35 x 91mm	20056091
50mm	12mm	PIN Ø6.35 x 112mm	20056112
35mm	13-16mm	PIN Ø7.09 x 91mm	20057091
50mm	13-16mm	PIN Ø7.09 x 112mm	20057112
75mm	14-16mm	PIN Ø7.09 x 140mm	20057140
35mm	17+	PIN Ø8 x 91mm	20058091
50mm	17+	PIN Ø8 x 112mm	20058112
75mm	17+	PIN Ø8 x 140mm	20058140
100mm	17+	PIN Ø8 x 160mm	20058160
150mm	17+	PIN Ø8 x 220mm	20058220

HSS Cobalt Countersink

- Multi fit suits all makes of magnetic based drills
- HSS with 5% Cobalt

Diameter	Code
25mm	18533
40mm	18534
65mm	18536





🔂 HSS - 5% Cobalt RQX

25mm & 50mm depth

CUTTER DIA 14-38MM

- Heavy duty with keyway & feather key Alfra
- Alfra "Chip-Breaker System
- Suits Weldon shank drilling machines
- HSS 5% cobalt with TiAIN coating















Excision Holesaws are sourced from quality steel. Working with world leading manufacturers to bring you the best. Contact us about our detailed range to address your specific requirements.









4/6 TPI HSS-Bimetal Holesaws

Coarse Tooth Cobalt M42

- M42 material for increased cutting life
- 8% cobalt
- Quick, precise and effortless cutting of holes in steel, stainless steel, copper, wood (including nails), plywood, veneers, melamines, plastics, pipes, tubing and more
- Re-sharpenable
- For use with hand and pedestal drilling machines
- Solid base allows a stronger thread giving greater strength and stability whilst reducing the risk of stripped threads





Diameter	Code
14	0500014
16	0500016
17	0500017
19	0500019
20	0500020
21	0500021
22	0500022
24	0500024
25	0500025
27	0500027
29	0500029
30	0500030
32	0500032
33	0500033
35	0500035
37	0500037
38	0500038
40	0500040
41	0500041

Diameter	Code
43	0500043
44	0500044
46	0500046
48	0500048
51	0500051
52	0500052
54	0500054
57	0500057
59	0500059
60	0500060
64	0500064
65	0500065
67	0500067
68	0500068
70	0500070
73	0500073
76	0500076
79	0500079
83	0500083

Diameter	Code
86	0500086
89	0500089
92	0500092
95	0500095
98	0500098
102	0500102
105	0500105
108	0500108
111	0500111
114	0500114
121	0500121
123	0500123
127	0500127
140	0500140
152	0500152
160	0500160
168	0500168
177	0500177
210	0500210





10 TPI HSS-Bimetal Holesaws

Fine Tooth Cobalt M42

Perfect for Thin Wall Drilling Applications in Mild & Stainless Steel

- M42 material for increased cutting life
- Fine tooth to prevent stripping perfect for sheetmetal and tubes including stainless steel
- 8% Cobalt
- Quick, precise and effortless cutting of holes in steel, stainless steel, copper, wood (including nails), plywood, veneers, melamines, plastics, pipes, tubing and more
- Re-sharpenable
- For use with hand and pedestal drilling machines
- Solid base allows a stronger thread giving greater strength and stability whilst reducing the risk of stripped threads and inserts



Diameter	Code	Diameter	Code	Diameter	Code
14	0510014	38	0510038	68	0510068
16	0510016	40	0510040	70	0510070
17	0510017	41	0510041	76	0510076
19	0510019	43	0510043	79	0510079
20	0510020	44	0510044	83	0510083
21	0510021	46	0510046	86	0510086
22	0510022	48	0510048	89	0510089
24	0510024	51	0510051	92	0510092
25	0510025	54	0510054	95	0510095
27	0510027	57	0510057	98	0510098
29	0510029	59	0510059	102	0510102
30	0510030	60	0510060	108	0510108
32	0510032	64	0510064	111	0510111
33	0510033	65	0510065	114	0510114
35	0510035	67	0510067		

HSS-Bimetal M42 Holesaw

Accessories

Description	Features	Code	Part image	
A6 FOR Ø 14-30	●To suit 10mm (3/8") chucks	0501001		9,5
A2-SS FOR Ø 32-152	●To suit 10mm (3/8") chucks	0501003		9,5
A3-SS FOR Ø 32-210	●To suit 13mm (1/2") chucks	0501006		11,11
A5-SS FOR Ø 32-210	●To suit 16mm (5/8") chucks	0501008		16,0
A6-SDS FOR Ø 14-30	●To suit SDS Multifit chucks	0501002		SDS plus
A2-SDS FOR Ø 32-152	●To suit SDS Multifit chucks	0501005		SDS plus
SPARE DRILL Ø 6.35 X 80MM	Suits all standard arbors 80mm length	0502001		
SPARE DRILL Ø 6.35 X 95MM	Suits all standard arbors 95mm length	0502002		
EJECTOR SPRING	•Suits all standard arbors	0502004		
ARBOR EXTENSION 300MM	●Suits A6, A2, A3 arbors ●Double ended	0501010		9,5 11,11
SCREW	●To suit A6 Arbor	0501025		
MANDREL BUSH	●To suit A6 Arbor ●Suits 32mm h/saw and over	0501020		
SCREW	●To suit A2 SS Arbor	0501026		





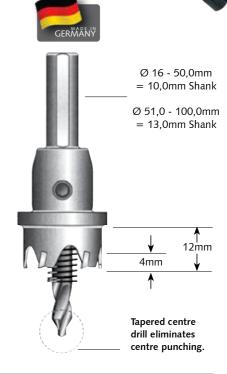
HSS-Bimetal M42 Holesaw Sets

Description	Features	Code	Part image
GENERAL PURPOSE KIT 4/6TPI VARI-PITCH	●12 Pieces ●1 x 16, 1 x 19, 1 x 22, 1 x 29, 1 x 35, 1 x 44, 1 x 51, 1 x 57, 1 x 67mm ●1 x Arbor A6, 1 x Arbor A2-SS, 1 x Spare Drill ●Presented in a heavy duty plastic case	0503006	A SE
INDUSTRIAL KIT 4/6TPI VARI-PITCH	 ●15 Pieces ●1 x 16, 1 x 19, 1 x 22, 1 x 25, 1 x 29, 1 x 32, 1 x 35, 1 x 38, 1 x 44, ●1 x 51, 1 x 64, 1 x 76mm ●1 x Arbor A6, 1 x Arbor A2-SS, 1 x Spare Drill ●Presented in a heavy duty plastic case 	0503007	
GENERAL PURPOSE KIT 10TPI FINE TOOTH	●12 Pieces ●1 x 16, 1 x 19, 1 x 22, 1 x 29, 1 x 35, 1 x 44, 1 x 51, 1 x 57, 1 x 67mm ●1 x Arbor A6, 1 x Arbor A2-SS, 1 x Spare Drill ●Presented in a heavy duty plastic case	0513006	388
INDUSTRIAL KIT 10TPI FINE TOOTH	●15 Pieces ●1 x 16, 1 x 19, 1 x 22, 1 x 25, 1 x 29, 1 x 32, 1 x 35, 1 x 38, 1 x 44, ●1 x 51, 1 x 64, 1 x 76mm ●1 x Arbor A6, 1 x Arbor A2-SS, 1 x Spare Drill ●Presented in a heavy duty plastic case	0513007	W480

TCT Holesaws Short Series

Premium Holesaws for sheetmetal up to 4mm Suitable for pipes, vaulted or profile surfaces - even weld seams, stainless steel up to 2mm, mild steel up to 4mm, nonferrous, plastics, wood up to 12mm. TCT holesaws can be resharpened. It is possible, depending on the condition, to replace broken teeth.

Diameter	Code	Diameter	Code
16	0600160	42	0600420
18	0600180	44	0600440
19	0600190	45	0600450
20	0600200	48	0600480
21	0600210	50	0600500
22	0600220	51	0600510
24	0600240	54	0600540
25	0600250	60	0600600
26	0600260	64	0600640
28	0600280	70	0600700
30	0600300	76	0600760
32	0600320	80	0600800
34	0600340	85	0600850
35	0600350	90	0600900
38	0600380	100	0601000
40	0600400	110	0601100



Description	Features	Code	
TCT SHORT SERIES SET	 5 TCT Holesaws 1 x 16, 1 x 20, 1 x 25, 1 x 32, 1 x 40mm Presented in a heavy duty plastic case 	0600001	
SPARE DRILL	PARE DRILL Ø 6 x 50mm Tapered centre tip		
EJECTOR SPRING	Suits 6mm drill	0602006	#WWWW#

Holesaws

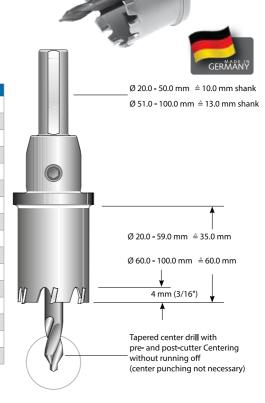


Especially developed for the use on pipes, vaulted materials, for unalloyed and alloyed steels, nonferrous metals, plastics as well as glass fibre reinforced plastic.

For material thickness up to 4 mm,
 2 mm stainless steel.

 When using hand drilling machines, recommended up to max. Ø 40 mm

D: 1	G I	D: 1	G I
Diameter	Code	Diameter	Code
16	0700160	42	0700420
18	0700180	44	0700440
19	0700190	45	0700450
20	0700200	48	0700480
21	0700210	50	0700500
22	0700220	51	0700510
24	0700240	54	0700540
25	0700250	60	0700600
26	0700260	64	0700640
28	0700280	70	0700700
30	0700300	76	0700760
32	0700320	80	0700800
34	0700340	85	0700850
35	0700350	90	0700900
38	0700380	100	0701000
40	0700400	110	0701100



Description	Features	Code	
SPARE DRILL	Ø 6 x 80mm Tapered centre tip	0702680	
EJECTOR SPRING	Suits 6mm drill	0702006	

Holesaws



TCT Holesaw FRP Type

Premium Multi Purpose Holesaws

- Cutting depth 60mm
- Fast, accurate & efficient TCT holesaws suitable for a wide range of applications including:
 - Wood
- Laminated Board
- Plywood
- Plasterboard
- Clay Tiles
- Aluminium
- Paper Based
- PVC
- Fibre Glass Reinforced Plastic Laminate
- Hollowgauge Brick/Stone
- No blocking due to optimal geometry
- In the event of a tooth breaking, the teeth can be resharpened or replaced, depending on the condition.

Diameter	Code
25	0740025060
30	0740030060
35	0740035060
40	0740040060
45	0740045060
50	0740050060
55	0740055060
58	0740058060
60	0740060060
63	0740063060

Diameter	Code
65	0740065060
68	0740068060
70	0740070060
74	0740074060
76	0740076060
80	0740080060
85	0740085060
90	0740090060
95	0740095060
105	0740105060



Description	Size	Code	
SPARE DRILL	● Ø 7.2 X 100MM	0742000003	38.38
RIM COUNTERSINK	Ø 68MM	0741068000	
SW12 ARBOR		0742000001	
SDS ARBOR		0742000002	

Holesaws



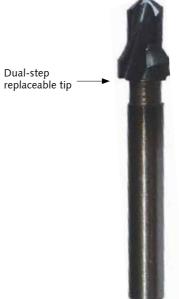
Step Drills

- Dual-step replaceable tip
- HSS Co (8% Cobalt) exceptionally hardwearing, longer lasting
- Titanium aluminium nitride (TiAIN) coated
 - an extremely high performance coating recommended for high tensile materials including stainless steel
- 3 Spiral Flutes smoother, faster drilling guarantees a clean finish to the hole
- Can be resharpened

Description	Size	Code
STEP DRILL	5-20MM	26020
STEP DRILL	5-30MM	26030
STEP DRILL	5-40MM	26040
STEP DRILL	5-50MM	26050
SPARE TIPS	1 PIECE	26002















Excision sources and has huge stocks of the highest quality Punch & Die tooling. Punches & Dies are available for all models of cropping machines and can be manufactured for any size and shape of hole.

Complete Range of Punch & Die Tooling to Suit:

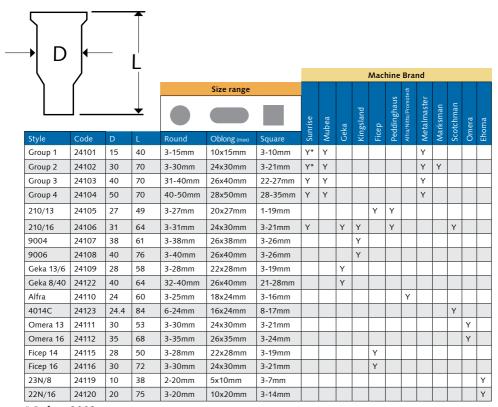
Alfra	Ficep	Marksman	Pullmax
Coburn	Gairu	Machine Maker	Punchtech
Comaco	Geka	Metalmaster	QPS
Diacro	Henry Pels	Metalmaster	Rocky
Durma	IMS	Nitto Kohki	Sahinler
Dvorak	Isumi	Nova Press	Samurai
Edwards	J.R. 65	Omes	Scotchman
Enerpac	Jing Jang	Omera	Scotchman
Fabryka	Kippen	Peddinghaus	Sharp
Fabtech	Kingsland	Pacific	Stanko
Femco	Madison	Piranha	Sunrise

113

Suresharp Thomas TSP (hot work) Uni-hydro Valdarno Valdarno Weidemann

info@excision.com.au

Punch Selection Chart



^{*} Before 2002

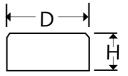
Other shapes available

000 000

Offset punch & dies available







									Macl	hine	Bra	nd						
					Size range													
							Sunrise	Mubea	Geka	Kingsland	Ficep	Peddinghaus	Alfra/Nitto/Promotech	Metalmaster	Marksman	Scotchman	Omera	Ehoma
Style	Code	D	L	Round	Oblong (max)	Square	Su	×	Ğ	Kii	Fic	Pe	Alfr	W	W	Sc	10	Eh
Group 1	24201	30	15	3-15mm	10x15mm	3-10mm	Υ*	Υ							Υ			
Group 2	24202	45	22.5	3-30mm	24x30mm	3-21mm	Y*	Υ							Υ	Υ		
No.8	24221	60	32	3-40m	26x28mm	3-28mm	Υ	Υ	Υ	Υ				Υ	Υ			
Group 4	24204	80	40	40-50mm	28x50mm	28-35mm	Υ	Υ						Υ				
210/13	24205	46	27	3-30mm	24x30mm	3-19mm	Υ		Υ			Υ						
210/16	24206	50.8	26	3-31mm	24x30mm	3-22mm						Υ				Υ		
Alfra	24210	42	17	3-25mm	18x24mm	3-16mm												
Omera 13	24211	45	21	3-30mm	24x30mm	3-21mm							Υ				Υ	
Omera 16	24212	65	30	3-35mm	26x35mm	3-24mm											Υ	
Ficep 13	24214	40	30	3-27mm	18x25mm	3-19mm					Υ							
Ficep 14	24215	50	32.2	3-28mm	22x28mm	3-19mm					Υ							
Ficep 16	24216	55	32	3-30mm	24x30mm	3-21mm					Υ							
23N/8	24219	45	12	2-20mm	5x10mm	3-7mm												Υ
22N/16	24220	55	18	3-20mm	10x20mm	3-14mm												Υ

^{*} Before 2002



How to calculate Die clearance

The following guide can be used as a die clearance guide when punching.

Material Thickness	mm	Up to 4	4 - 9.9	10 - 14.5	15 - 19.5	20 -24
Die Clearance	mm	0.2	0.7	1.2	1.7	2.2

Note: When you have determined the "Die Clearance" you require, you will need to add this amount to the punch size you are using: Refer example below

Example 2:

Exam	nl	А	1	
LAGIII	יש			

=nample ii		Enamero El	
Punch round	Ø20mm	Punch square	14x14mm
Material thickness	12mm	Material thickness	8mm
Die clearance	1.2mm	Die clearance	0.7mm
\emptyset 20mm + 1.2mm =	21.2mm	14x14mm + 0.7mm =	14.7mm
Die required	21.2mm	Die required	14.7x14.7mm



Cropping Blades

Excision stocks and manufactures a large range of cropping blades for all punch & shear machines. Contact us with your requirements to learn more.





Accessories

Excision offers a range of accessories from punch & die reducers and stripper blades. Contact us with your requirements to learn more.





A perfect combination for all your punching and shearing works



XDP825 Punch & Shear Oil

XDP825 is a high performance neat oil for medium and severe punch and shear operations. It's suitable for cutting ferrous (middle to high alloyed steel) and non-ferrous materials (Aluminium, copper and brass). Excellent performance due to the presence of Extreme-Pressure additives and very high refined mineral oils.

Size	Code
500ml	82825-500

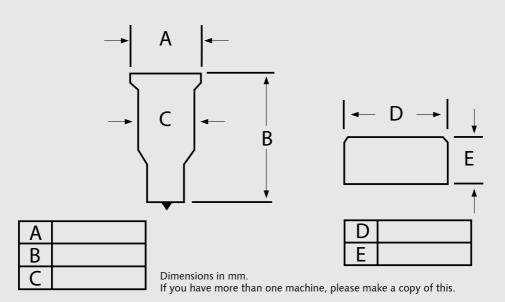




Punch & Die Specialist

Please complete and return.	Thank you
Company Name	
Address	
Telephone	
Email	
Contact Person	
Machine Type & Model	
Size of Punch & Dies Required	

Please add dimensions to the drawing below:











Accurate cutting of steel is only possible with precision machinery. Excision sources only the highest quality machinery for cutting steel. Working with world leading manufacturers to bring you the best machinery available.



122-135
Bandsaw Machines

136-140

Coldsaw Machines

Comparison Table

Model	Cutting Capacity	Cutting Capacity	Cutting Capacity	Elec. Supply (Volt-Hz)	Blade Speed	Weight	Blade Size
PHM 105	0°105x93mm 45°70x60mm	0°105mm 45°72mm	0°102mm 45°68mm	240V	60/80 m/min	17kg	1335x13mm
PHM 120	0°120x115mm 45°85x70mm	0°120mm 45°85mm	0°119mm 45°80mm	240V	30-80 m/min Variable	17kg	1440x13mm
PHM 205	0°205x150mm 45°105x95mm	0°152mm 45°106mm	0°150mm 45°102mm	240V	60/80 m/min	38kg	1735x13mm
210 PHW	0°213x150mm 45°145x80mm	0°175mm 45°140mm	0°150mm 45°140mm	240V	60/80 m/min	59kg	2140×20mm
180 PGM	0°210x160mm 45°160x140mm	0°180mm 45°140mm	0°140mm 45°140mm	240V	25-90 m/min Variable	200kg	2310x20mm
280 PGM	0°240x220mm 45°165x125mm	0° 220mm 45° 165mm	0° 220mm 45° 145mm	240V	25-90 m/min Variable	250kg	2500x27mm
280 PGD	0°240x220mm +/- 45° 200x160mm	0°220mm +/- 45° 165mm	0°220mm +/- 45° 160mm	240V	25-90 m/min Variable	250kg	2500x27mm
310 PGD	0°310x170mm +/- 45° 240x205mm	0°250mm +/- 45° 205mm	0°170mm +/- 45° 205mm	415V	25-90 m/min Variable	480kg	3150x27mm
500 PSM	0°500x300mm 45°250x210mm	0°300mm 45°300mm	0°210mm 45°210mm	415V	25-90 m/min Variable	840kg	3850x27mm
580 PSM	0°530x330mm 45°350x300mm	0° 350mm 45° 350mm	0° 330mm 45° 330mm	415V	25-90 m/min Variable	1140kg	4350x34mm
610 PSD	0°610x310mm +/- 45° 400x340mm	0°400mm +/- 45° 400mm	0°380mm +/- 45° 380mm	415V	25-90 m/min Variable	1350kg	4780x34mm
800 CSD	0°800x460mm +/- 45° 500x460mm	0°460mm +/- 45° 460mm	0°460mm +/- 45° 460mm	415V	25-100 m/min Variable	2000kg	6000x41mm
1050 CSD	0°1050x560mm +/- 45° 680x500mm	0°560mm +/- 45° 500mm	0°560mm +/- 45° 500mm	415V	25-90 m/min Variable	3500kg	7140x54mm
1250 CSS	0° 1250x800mm	0° 845mm	0 °800mm	415V	25-90 m/min Variable	7500kg	9180x67mm

Oceanne Comparison Table

Bianco Bandsaw Machines Stocked at Excision							
Model	Cutting Capacity	Cutting Capacity	Cutting Capacity	Power Supply	Blede Speed	Weight	Blade Size
280M 60G	0°260x140mm 45°160x140mm	0°220mm 45°160mm	0°220mm 45°155mm	415V	35-70 m/min Variable	240kg	2450x27mm
420M	0°420x200mm 45°270x140mm	0°300mm 45°240mm	0°240mm 45°230mm	415V	35-70 m/min Variable	356kg	3270x27mm
330 A60	0°330x120mm 45°200x130mm	0°260mm 45°200mm	0°240mm 45°190mm	415V	35-70 m/min Variable	1090kg	3010×27mm
370 A60	0°330x240mm 45°230x140mm	0°280mm 45°225mm	0°240mm 45°215mm	415V	35-70 m/min Variable	1090kg	3120x27mm

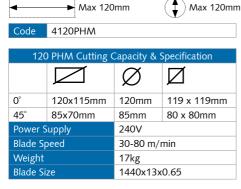
Excision Coldsaw Machines						
Model	Cutting Capacity	Cutting Capacity	Cutting Capacity	Power Supply	Blade Speed	Blade Size
315 SMD	0°120x60mm 45°90x60mm	0°105mm 45°90mm	0°85mm 45°80mm	240V	40 RPM	315x32mm
				415V	20/40 RPM	PM.
350 SMD	0°120x80mm 45°90x90mm	0°115mm 45°110mm	0°100mm 45°90mm	240V	40 RPM	350x32mm
				415V	20/40 RPM or 40/80 RPM	
350 VMD	0°120x80mm 45°90x90mm	0°115mm 45°110mm	0°100mm 45°90mm	240V	20-80 RPM Variable	350x32mm



Saw is compatible with table for cutting radius.

PHM 120 - Portable Bandsaw

Light weight and easy to carry bandsaw with large 120mm capacity. Variable speed motor with huge range from 30-80m/min meaning you can cut very hard steels to non ferrous materials. Quality saw made in Italy.



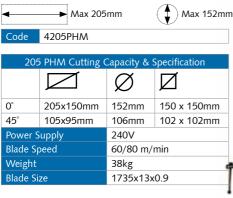






PHM 205 - Portable Bandsaw

Very large capacity portable saw that can cut 100x100 RHS at 45 degrees. 2-speed motor for cutting ferrous and non-ferrous metals. Quality saw made in Italy.



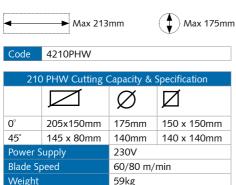




210 PHW - Portable Bandsaw

Largest capacity portable saw on the market. Due to the large wheels it is easy to move around on worksites. It uses a large 20mm wide bandsaw blade enabling straighter cuts and also larger range of cutting capabilities.





2140x19x0.9

info@excision.com.au +61 3 5551 4555



Blade Size



SCAN

WARRAWY,

The PGM180 is a strong and well built saw made for smaller applications like thin walled pipe and RHS. It has a very strong bow and carbide guides so will also cut solids and all profiles of steels and other materials.

Features

- Up to 60° mitre cutting
- Quick lock vice
- Electric coolant pump
- Cast iron saw frame
- Carbide blade guides

 Includes stand, infeed roller, 500mm adjustable end stop & one blade fitted



Code 401180PGM1

180 PGM Cutting Capacity				
		Ø	Ø	
0°	180 X 210mm	180mm	180mm	
45°	135 X 140mm	140mm	140mm	
60°	80 X 90mm	80mm	80mm	
Power	Power Supply			
Blade Speed		25-90 m/min		
Weight		200kg		
Blade S	Size	2310 X 20	0 X0.9mm	







280 PGM Bandsaw

The PGM280 is the Australian workhorse of bandsaws. It is the most common Excision bandsaw on the market due to its dependable build and capabilities. It has carbide guides and a strong bow to guarantee precision straight cuts every time. Also has easy access panel at the front of the saw.

- Up to 60° mitre cutting
- Quick lock vice
- Electric coolant pump
- Variable-speed 25-100m/min
- Cast iron saw frame
- Carbide blade guides
- Includes stand, infeed roller, 500mm adjustable end stop & one blade fitted



Code	401280PGM1

	280 PGM Cutting Capacity				
		Ø	Ø		
O°	240 X 220mm 250 X 150mm	220mm	220mm		
15°	230 X 220mm 250 X 115mm	220mm	220mm		
30°	210 X 150mm 220 X 100mm	220mm	205mm		
45°	165 X 125mm	165mm	145mm		
60°	105 X 80mm	105mm	80mm		
Power	Supply	240V			
Blade Sp	Blade Speed		25-90 m/min		
Weight	Weight				
Blade Si	ze	2500 X 2	7 X0.9mm		





280 PGD Bandsaw

The Excision 280PGD is the fabricators favorite saw due to the ease of use dual mitre and dependable strong build. It has carbide guides and a reinforced strong bow to guarantee straight precision cuts.

Features

- Dual mitre 60° to -45°
- Electric coolant pump
- Cast iron saw frame
- Carbide blade guides
- Includes stand, infeed roller, 500mm adjustable end stop & one blade fitted





Code 401280PGD1



0000	1012001 021			
	280 PGD C	utting Cap	acity	
		Ø	\square	
0°	240 X 220 250 X 150	220mm	220mm	
45°	200 X 160	165mm	160mm	
60°	200 X 95	105mm	95mm	
-45°	200 X 160	160mm	160mm	
Power	Supply	240V		
Blade Sp	Blade Speed		min	
Weight		260kg		
Blade Si	ze	2500 X 27 X 0.9mm		
	Weight Blade Size		7 X 0.9mm	









310 PGD Bandsaw

This bandsaw has been designed for rugged and tough conditions of a fabrication and engineering workshop.

Features Easy to use control panel • Electric coolant pump Heavy Duty direct drive gear box • Carbide blade guides for straighter cut and longer blade life Low working height - only 730mm ARRANZ, NARRANZ, NARR

Code	401310PGD3			
	310 PGD C	utting Capa	acity	
		Ø	\square	
O°	250 X 310	250mm	250mm	
45°	190 X 250	190mm	190mm	
60°	120 X 140	120mm	120mm	
-45°	100 X 250	180mm	150mm	
Power	Supply	415V		
Blade S	peed	25-90 m/min		
Weight		480kg		
Blade Size 3150 X 27 X 0.9mi			7 X 0.9mm	









500 PSM Semi-Auto Bandsaw

The 500PSM Semi-Automatic is a very well built dependable bandsaw made for large jobs and all day use. Very easy to use automatic downfeed and return. It has a large jaw opening of 500mm and up to 60 degree mitreing.

Code	4380415					
	PSM 500 Cutting Capacity					
		Ø	Ø			
90°	500 X 300	300mm	300mm			
45° L	400 X 250	290mm	250mm			
60° L	300 X 220	180mm	160mm			
Power :	Supply	415V				
Blade S	peed	25 - 90 m/min				
Weight		840kg				
Blade S	ize	3850 X 2	7 X 1 1mm			



- Full semi automatic
- Hydraulic vice
- Hydramechanical blade tension
 - Automatic bow return & vice release at end of cut





Codo 4400415

580 PSM Semi-Auto Bandsaw

The 580PSM Semi-Automatic is a very well build dependable bandsaw made for large jobs and all day use. Very easy to use automatic downfeed and return. It has a large jaw opening of 580mm and up to 60 degree mitreing.

Code	4400415			
	PSM 580 Cu	tting Capac	ity	
		Ø	\square	
90 ⁰	580 X 400	400mm	400mm	
45 ⁰ L	350 X 400	350mm	350mm	
60 ⁰ L	170 X 400	170mm	170mm	
Power S	Supply	415V		
Blade S	Blade Speed 25 - 90 m/min			
Weight		1140kg		
Blade Si	ze	4350 X 3	4 X 1.1mm	



- Full semi automatic
- Hydraulic vice
- Hydramechanical blade tension
- Automatic bow return & vice release at end of cut







610 PSD Semi-Auto Bandsaw

The Excision 610 PSD is a large dependable saw made for all serious fabricators - it is dual mitre making it very easy to cut accurate angles on large pieces of steel. Easy access control Excisi II panel. **Features**

- Large capacity double mitre
- Full semi automatic
- Hydraulic Vice
- Automatic bow return & vice release at end of cut.

Code	401610PSD3			
	610 PSD Cu	tting Capac	ity	
		Ø	Ø	
0°	400x616mm	400 mm	400 mm	
45°	350x400mm	350 mm	350 mm	
60°	200x400mm	200 mm	200mm	
-45°	350x400mm	350 mm	350mm	
Power Su	ipply	415V		
Blade Speed		25 - 90 m/min		
Weight		1350 KG		
Blade Siz	e	4780 x 34	x 1,1 mm	
		25 - 90 m 1350 KG		









800 CSD Semi-Auto Bandsaw

Excisi n

The 800 CSD is a very well built strong saw with dual columns made for cutting large structural and solid materials. The large capacity of 460x800 gives the saw many capabilities especially for the serious fabricators and engineers.



- Full semi automatic
- Dual mitre with large capacity
- Dual column
- Automatic bow return and vice release at end of cut









800 CSD Cutting Capacity				
		Ø	Ø	
O°	460 X 800	460mm	460mm	
30°	460 X 650	460mm	460mm	
45° L	460 X 500	460mm	460mm	
60° L	460 X 300	300mm	300mm	
Power S	Supply	415V		
Blade Speed		25 - 100 m/min		
Weight		2000kg		
Blade Si	ze	6000 X 41 X 1.3mm		







1050 CSD Semi-Auto Bandsaw

The 1050 CSD is a very large dual column bandsaw machine. Vice opening of 1050mm allows cutting of large welded beams, and other large workpieces. Heavy fabrication and engineering is made possible with this machine.



Features

- Full semi automatic
- Dual mitre with large capacity
- Dual column
- Automatic bow return and vice release at end of cut







Code	401050CSD3

1050 CSD Cutting Capacity				
		Ø		
O°	560 X 1050	560mm	560mm	
30°	540 X 850	560mm	560mm	
45° L	540 X 680	560mm	560mm	
60° L	540 X 400	400mm	400mm	
Power S	Supply	415V		
Blade Speed		25 - 100 m/min		
Weight		3500kg		
Blade S	ize	7140 X 54 X 1.6mm		





1250 CSS Semi-Auto Bandsaw

CSS1250 model is a semi automatic bandsaw machine with double column body design. The Machine is designed for straight cutting. Precision cutting capability has been gained with linear guides. The cut material can be easily tightened thanks to hydraulic vises. Feeding material is manual.









Code	501250CSS3			
	1250 CSS Cu	tting Capac	ity	
		Ø	Ø	
0°	1250 x 800 mm	845 mm	800 mm	
Power Supply		415V		
Blade Speed		25 - 90 m/min		
Weight		7,500 kg		
Blade Size		9,180 x 67 x 1.6mm		







Bianco 280M 60G Bandsaw

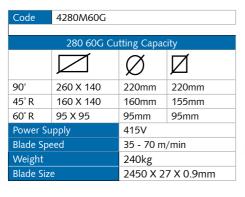
High quality Italian made bandsaw.

Features

- Gravity downfeed
- Hardened aluminium bow
- Gravity downfeed over hydraulic brake

•	Base	with	welded	structure

lacktriangle	Carbide	blade	guides
--------------	---------	-------	--------







Bianco 420M 60G Bandsaw

Large capacity manual saw with gravity downfeed. High quality Italian made machine.

Features

Gravity downfeed

Codo 4420M60C

- Base with welded structure
- Hardened aluminium bow
- Carbide blade guides
- Gravity downfeed over hydraulic brake

Code	4420//1000				
	420M 60G Cutting Capacity				
		Ø	\square		
90°	420 X 180	300mm	260mm		
45° R	250 X 180	240mm	230mm		
60° R	170 X 170	170mm	170mm		
Power Su	ıpply	415V			
Blade Speed		35 - 70 m/min			
Weight		356kg			
Blade Siz	e	3270 X 27 X 0.9mm			





Fully automatic Bianco saw available in NC and CNC. Ideal for all cutting applications from repetition to once off cuts. Save time and labor with a fully automatic saw.



Hitch feed accuracy +/- 0.2mm
Hardened aluminium bow

Carriage travel 600mm

Carbide adjustable blade guides

Automatic fast up/down bow control

Adjustable pressure according to cutting resistance

• Material feed with transversal oscillation to facilitate feed of crooked bar

Code	4330A60				
	330 A60 Cutting Capacity				
		Ø	Ø		
90°	330 X 140	260mm	220mm		
45° R	200 X 130	200mm	190mm		
60° R	120 X 100	120mm	115mm		
Power Su	ıpply	415V			
Blade Speed		35 - 70 m/min			
Weight		1090kg			
Blade Siz	e	3010 X 27	7 X 0.9mm		

370 A60 Cutting Capacity				
		Ø	Ø	
90°	370 X 240	280mm	240mm	
45° R	230 X 140	255mm	215mm	
60° R	140 X 130	140mm	140mm	
Power St	apply	415V	415V	
Blade Speed		35 - 70 m/min		
Weight		1090kg	1090kg	
Blade Siz	e	3120 X 2	3120 X 27 X 0.9mm	

4370A60

Code

SAVE TIME

& LABOUR



More **BIANCO** models available!





Excision Coldsaw Machines

Introducing the new Excision coldsaw machine range. Quality European engineering at an affordable price

The new Excision Coldsaw range offers premium European engineering for all your coldsaw cutting needs, from the economical 315 SMD model to the truly versatile 350 VMD with variable speed.

All machines feature:

- Strong and robust gearbox
- Self-centering vice system protecting your work pieces
- Quality electric coolant pump
- Square-thread vice screw for quick self-locking

The new Excision Coldsaw Range will

- Allow you to cut through any steel configuration
- Give you longer blade life due to ultra low vibration
- Provide smoother, straighter cuts



315 SMD Coldsaw

Benefits

Value for money

Smooth cuts at and versatility

European engineering without the premium price tag

	315 SMD Cutting Capacity			
		Ø	\square	
0°	120 X 60	105mm	85mm	
45°	90 X 60	90mm	80mm	
Code		402315SMD1	402315SMD2	
Power Supply		240V	415V	
Blade Speed		40rpm	20 & 40rpm	
Blade S	Size	315mm		







350 SMD Coldsaw

Benefits:

Dual Mitre Swivel for optimum flexibility

Ability to cut a wide range of materials including ferrous and non-ferrous metals

Superior gear box gives you smooth consistent cuts.

350 SMD Cutting Capacity			
	I Ø	Ø	
0°	120 X 80	115mm	100mm
45°	90 X 90	110mm	90mm
Code	402350SMD1	402350SMD2	402350SMD3
Power Supply	240V	415V	415V
Blade Speed	40rpm	20 & 40rpm	40 & 80rpm
Blade Size		350mm	





Fixed back vice available for all models



350 VMD Coldsaw

The Variable Speed

Benefits:

- Truly versatile: Variable speed function allows cuts from non-ferrous to hardened steels
- European engineering at its best superior reliability
- Unsurpassed cutting performance giving longer blade life

	350 VMD Cutting Capacity				
		Ø	Ø		
90°	370 X 240	280mm	240mm		
45°	230 X 140	255mm	215mm		
Code		402350VMD1			
Power Supply		240V			
Blade Speed		20 - 80rpm			
Blade Size		350mm			

info@excision.com.au

+61 3 5551 4555









The Pneumatic vice made for fast and easy cutting of pipe and RHS.

Features

• Automatic pneumatic powered vice - saves time and labour. The vice closes as soon as you start the motor via the trigger handle









350P Cutting Capacity				
		Ø	Ø	
0°	120 X 80	115mm	100mm	
45°	90 X 90	110mm	90mm	
Code		402350PSMD2	402350PVMD1	
Power Supply		415V	240V	
Blade Speed		20 & 40rpm	20 - 80rpm	
Blade Size		350mm		









350 ASM Automatic Coldsaw

Features

- Fully automatic machine for straight tube cutting
- Servo motor controlled material feeding system with ball screw
- Hydro-pneumatic operation of saw head smoothes descent for optimum cut
- PLC controlled colour type touchscreen display
- Up to 1m hitch feed

High performance gear box designed in accordance with continious working conditions (helical gears and worm gear set)

2 speed main motor Coolant tank with box to collect



350 ASM Cutting Capacity				
		Ø	Ø	
0°	120 X 80	115mm	110mm	
Code		402350ASM3		
Power Supply		415V		
Blade Speed		40 & 80rpm		
Blade Size		350mm		





400 APD Aluminium Saw

Dependable precision portable saw, suitable for cutting aluminium, wood, or PVC. Can also be bench mounted.

Features

- Safe cutting with double spring system and saw barrier
- Cast core with impact resistance
- Cutting at any desired angle between -45° and +45°
- Cutting at 0°, 15°, 22.5°, 30°, 45° right and left fixed angles

400 APD Cutting Capacity				
	Ø	Ø		
170 X 105	105mm	105mm		
110 X 105	105mm	105mm		
	405400APD3			
Supply	415V			
peed	3000rpm			
ize	400 X 30-32mm			
	170 X 105 110 X 105 Supply	170 X 105 105mm 110 X 105 105mm 405400APD3 Supply 415V speed 3000rpm		





400 AMD Aluminium Saw

Dependable precision manual saw for aluminium, wood or PVC.

- Safe cutting with double spring system and saw barrier
- Cast core with impact resistance
- Cutting at any desired angle between -45° and +45°
- Cutting at 0°, 15°, 22.5°, 30°, 45° right and left fixed angles
- Manual cutting process and operating system
- Pneumatic vertical and horizontal clamps

400 AMD Cutting Capacity				
		Ø	Ø	
O°	170 X 105	105mm	105mm	
45°	110 X 105	105mm	105mm	
Code		405400AMD3		
Power Supply		415V		
Blade Speed		3000rpm		
Blade Size		400 X 30-32mm		









300 ALS Automatic Length-stop Table

Dependable Precision automatic length-stop table for cutting precise lengths of any material. Complex cutting or job lists including varying lengths can be easily loaded or programed into the easy-to-use touch screen control panel. Suitable for use on saws, ironworkers and punching lines.









Perfect match for PGM Bandsaw, SMD & VMD Coldsaws and the 400 AMD





Metal Preparing Machines







Excision stocks an extensive range of metal preparing machines from plate bevelers to punching units. Whether you have small pieces or large plates we have your weld/ paint prep sorted.



Metal Preparing Machines

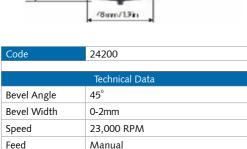
KFK 2 Portable Beveler

Max. bevel width: 2mm

Features

- Compact design, great ergonomics
- Weight only 400 g / 0.88 lb
- Edge machining by rounding R1.5 mm / 0.06 in - edge preparation before painting
- Powerful and reliable pneumatic drive
- Precision machining scale for more precise machining





Description	Code
Standard Cutting Insert	24201
Heavy Duty Cutting Insert	24204
Radius Cutting Insert R1.5mm	24202

400 g

3 pcs













Weight

No.of Cutting Tips



KB 3 Bench Beveler

Designed for deburring and bevelling of steel parts and workpieces. Processing of different types of materials. Solid and stable machine design.



- For steel, stainless steel, aluminum and other materials
- Scale for machining depth adjustment
- Protective safety covers
- Adjustable machining angle







Code	28220	
Technical Data		
Bevel Angle	30° - 60° continuously adjustable	
Bevel Width	0 - 3 mm	
Power Supply	415V	
Speed	3600 RPM	
Feed	Manual	
Weight	31 kg	
No.of Cutting Tips	5 pcs (four-sided)	

Description	Code
Cutting Insert	25909



KFK 5 Portable Beveler

- Extremely high powered 1530w motor
- 4,200-11,000 RPM with soft start and thermal overload protection
- Includes: transport case, 45° milling head and inserts, 1 set of tools
- 45° bevel angle with optional 30° and radius (2.5mm)
- 5mm max bevel (depending on material)
- Light weight and portable - only 4kg





25950
nical Data
30° or 45°
0 - 5 mm
240V
4,200-11,000 RPM
4 kg

Description	Code
Standard Insert	25206
Heavy Duty Insert	25209
2.5mm Radius Insert	25205
30° Insert Holder	25203
45° Insert Holder	25202











KFK 10 Portable Beveler

Max. bevel width: 10mm

Designed for bevelling and deburring workpieces, internal and external radiuses and holes. Specially designed for producing bevels and welding preparation. Durable and stable machine design without compromises.

Benefits:

- User friendly bigger bevel with lightweight machine
- Electronic speed control for bevelling different materials
- Extremely high powered 1700W motor

Code	25310
	Technical Data
Bevel Angle	30°, 37°,35°,45°,50°,60° - other angles on demand
Bevel Width	0 to 10mm
Power Supply	240V
Speed	2700 - 8500 RPM
Weight	6 kg

Description	Code
30° Milling Head	27223
45° Milling Head	27222
60° Milling Head	27240
Cutting Insert 15mm	28015
Cutting Insert 8mm	28008
Screw	28007



KFK 15 Portable Beveler

Max. bevel width: 15mm

Designed for bevelling and deburring of parts, internal and external radiuses and holes. Specially designed for producing visual bevel and welding preparation. Powerful electric drive for extreme loads.

Benefits:

- Bevelling workhorse large bevels with portable machine
- Swivel ergonomic handle for ease of use
- Extremely high powered 2500W motor

Code	25315
	Technical Data
Bevel Angle	30°, 37°,5°, 45°, 50°, 60° - other angles on demand
Bevel Width	0 to 15 mm
Power Supply	240V
Speed	6600 RPM
Weight	9.5 kg

Description	Code
30° Milling Head	27223
45° Milling Head	27222
60° Milling Head	27240
Cutting Insert 15mm	28015
Cutting Insert 8mm	28008
Screw	28007











KS 22 Portable Beveler

Max. bevel width: 22mm

Designed for bevelling and deburring straight edges, for cleaning and removing an unwanted layer of materials on the workpiece edge resulting from cutting the metal sheet by burning. Specially designed for the production of visual bevels and welding preparation. Powerful electric drive for extreme loads.

Benefits:

- High performance motor
- Continuously adjustable working angle from 0° - 60°
- The machine is able to perform cleaning - machining edges under angle 0° to remove unwanted material layer after plasma or oxygen cutting.
- Very compact and ergonomic design allows high productivity during work.
- Unique bevel size adjustment mechanism increases accuracy of the work.
- Circumferential protection frame protects the machine in case of fall and allows more options on how to grip the machine while working.
- With tube accessory can bevel pipes and tubes to Ø 600mm.

Code	29200	
Technical Data		
Bevel Angle	continuously adjustable between 0 - 60°	
Bevel Width	0 to 22 mm	
Power Supply	240V	
Speed	2850 RPM	
Weight	19.5 kg	

Description	Code
Cutting Insert	29203

info@excision.com.au













The KA 12 is one of the lightest bevelling machines with automatic feed in the market. Thanks to its compact size and low weight it is perfect not only for workshops but also for assembly lines. The quietest bevelling system on the market.



Benefits:

- For conventional steel (up to strength of 600 MPA / 87 022 PSI), brass, copper and aluminum materials
- For bevelling material with minimum dimensions
 width 65 mm, length 60 mm thickness 3 mm
- Thickness of bevelled material 3-35mm
- Bevelling of pipes from the internal 95mm
- Variable bevel angle with replaceable arms/kits for each given angle

Code	1918	
Technical Data		
Bevel Angle	continuously adjustable between 0-60°	
Bevel Width	0 - 12 mm	
Power Supply	415V	
Speed	2850 RPM	

Description	Code
Shearing Knife Eco	1927
Shearing Knife Premium	1916

1,8 m/min.

31 kg









Feed

Weight



The KA 15 machine is one of the fastest bevelling machines with the automatic feed on the market. It is suitable not only for workshops, but also for assembly operations. It has a continuous working angle adjustment system. In addition, the machine is equipped with automatic feed.



- KA 15 creates welding-ready bevels on linear plates of any shearable material, including iron, steel, stainless steel, brass, copper, and aluminium.
- It cuts bevels in steel 5 to 40 mm in thickness, with a minimum plate width of 70 mm and minimum plate length of 150 mm.
- The beveling angle adjusts continuously from 15° to 50° without replacing any parts.
- Inversion allows for the creation of a doublesided bevel - no need to rotate or flip heavy material







Code	25950	
	Technical Data	
Bevel Angle	continuously adjustable between 15° - 50°	
Bevel Width	0 -15 mm	
Power Supply	415V	
Feed	3,5 m/min.	
Weight	94 kg	

Description	Code
Shearing Knife Eco	2137
Shearing Knife Premium	2142







KA 18 Auto Beveler Max. bevel width 18 mm

The KA 18 machine is one of the most powerful bevelling machines with automatic feed on the market. It is suitable not only for workshops, but also for an assembly on-site. It has a continuous working angle adjustment system. Thanks to the special design of the drive system, the KA 18 is also suitable for tougher materials. The machine is equipped with automatic feed.



Benefits:

- For bevelling material with minimum dimensions - width 70 mm, length 150 mm, thickness 6 mm
- Thickness of bevelled material 6 40 mm.
- The bevel angle is easily adjustable from 15° to 50° smoothly, without the need to replace any part.







Code	1980		
	Technical Data		
Bevel Angle	continuously adjustable between 15° - 50°		
Bevel Width	0 - 18 mm		
Power Supply	415V		
Feed	3,5 m/min.		
Weight	94 kg		

Description	Code
Shearing Knife Eco	2137
Shearing Knife Premium	2142





KA 29 machine is one of the largest and most powerful machines in the field of rotary cutting bevelling machines. The machine is equipped with an automatic feed and can be used as a stationary machine designed for large and small workpieces. At the same time it can be used as a mobile bevelling system when the machine moves along the machined steel sheet at a rate of almost two meters per minute. The KA 29 machine is capable of machining both, standard and stainless steel. The machine has a low noise drive reducing the noise at the workplace.







Benefits:

- For conventional steel (up to strength 700 MPa / 101 526 PSI), stainless steel, brass, copper and aluminum materials
- The bevelled material thickness 6 to 60 mm
- Variable bevel angle with replaceable arms/ kits for each given angle
- Double-sided bevel (X, K), without any need for material handling

Code	1962		
Technical Data			
Bevel Angle	30°, 45°, 22.5°, 37.5°, 50°		
Bevel Width	0 - 29 mm		
Power Supply	415V		
Feed	1.8 m/min.		
Weight	205 kg		

Description	Code
Shearing Knife Eco	1970
Shearing Knife Premium	1971

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Stationary KA 30 is one of the best solutions for bevelling large volumes of small workpieces or long,narrow steel strips. KA 30 can be used not only for bevelling, but also for deburring. Thanks to the unique geometry of the cutter the feed rate can be set up to the speed of 3.5 m/min. For longer workpieces it is possible to equip the machine with an additional input and output table which extends the workspace to remarkable 2 824 mm.



- The machine designed for bevelling steel, aluminum, copper and other materials
- Bevelling by milling high quality bevel (mirror finish)
- Optional accessories for pipe bevelling



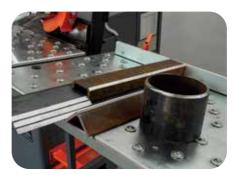
Code	25999		
_			
Technical Data			
Bevel Angle	continuously adjustable between 15° - 50°		
Bevel Width	0 - 15 mm		
Power Supply	415V		
Feed	3,5 m/min.		
Weight	94 kg		

Description	Code
Cutting Insert	25907











Bevelling system KA 50 is another of the series of unique solutions. Basically, three beveling systems are combined in a single machine. KA 50 can be used as a mobile beveller, which moves along the beveled material at the speed up to 1.2m/min. The range of the beveling angle is 15-60 Degrees. It is possible to flip the entire machining unit upside down for beveling the underside of the material. This is made possible with the Manipulator (page 156) which comes standard with the machine.









Benefits:

- Automatic feed with continuous adjustment of the feed rate in the range of 0-1.2m/min
- High speed milling tool equipped with cutting inserts with extended life
- The variable adjustment of the desired angle in the range 15 -60 Degrees without having to replace any parts
- All electronic equipment is closed in the dust-tight cabinet with increased vibration resistance
- Equipped with the most modern safety features

Code	1940		
Technical Data			
Bevel Angle	15° - 60° (continuous)		
Bevel Width	0-62mm/15degrees 0-50mm/45degrees		
Power Supply	415V		
Feed Speed	0 - 1,2 m/min.		
Weight	202 kg		

Description	Code
Cutting Insert	1945



Accessories for Bevelers

Description	Code	KFK 10/15	KA Models	Part Image
Dock Station: Dock station enables the KFK models to be used stationary. It is deigned for beveling small workpieces which would be hard or impossible to clamp and bevel the standard way. The system retains all advantages of the hand-held machines. The Dock system makes it possible to bevel irregular shapes, straight workpieces and holes. Radiuses edges are also possible with the radius milling head. Specialty guide attachments and an easy, vertical worktable adjustment allow for beveling of pipe and tube.	25350	•		arana and
Pipe Beveler Attachment: Bevelling tool for easy and fast machining of pipes from ∅ 95 mm (3.75"). The maximum diameter of the pipe is not limited, and the tool can be used on flat materials. The unique mechanism of clamping, guiding rollers ensures precise and comfortable guiding around the circumference of the machined pipe or along the edge of the sheet metal. The robust frame of the body of the tool guarantees constant cut with a minimum of possible vibrations and uncompromising stability of the selected bevel angle.	25500	•		
Manipulator: Manipulator provides a simple, quick turn the KA models of 180° for create double-sided bevels XK. The operator does not need a crane to rotate of material. There is significant time-saving at work. The beveler is "floating" on the MANIPULATOR and compensates unevenness of the floor	1930		•	



APS 120

- Punch diameter up to 25mm
- Max material thickness 16mm
- Only 35kg
- Punching power 44 t
- Includes: control cable, hydraulic hose (5m), tools, depth fence, suspension hook, one punch & die Set (ø22mm)

Code

23004













Pump AHP-M

Suits all APS single acting models

Max. Pressure: 700 bar

• Max. Pumping Capacity: 1.1 l/min

Weight: 29kg

Operating Voltage: 230V / 50Hz

Description	Code
PUMP AHP-M	23189



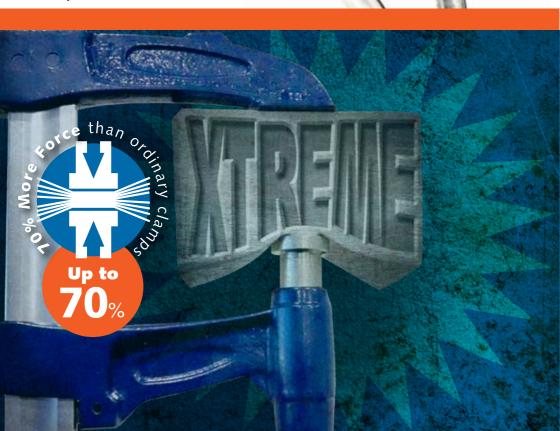








Excision Xtreme clamps are unique in performance. They achieve extreme force with minimal effort.







Excision FX Xtreme Clamp

- Xtreme force Less effort
- Lifetime guarantee
- Patented Design improved performance through innovation
- Internal ball bearing mechanism no resistance for optimal performance
- Hardened steel bar brake for a braking system of total confidence.
- Permanent lubrication lifetime guarantee
- Trapezoidal thread increased efficiency
- Totally sealed longer tool life



Industrial Clamps FX Xtreme Clamp PATENTEL TIME GU

- Powerful clamping force with less effort
- High precision clamping
- Hardened steel bar brake
- Trapezoidal thread totally sealed and permanently lubricated
- Suited to all environments and applications including welding, working with fluids, humid or salty atmosphere

Solid Bar (a - mm)	Bar Opening (b - mm)	Jaw Depth (c - mm)	Clamping Force (kg)	Part No.
30 x 8	200	95	800	321200095
30 x 8	300	95	800	321300095
35 x 8	200	120	1200	321200120
35 x 8	300	120	1200	321300120
35 x 8	400	120	1200	321400120
35 x 8	600	120	1200	321600120
35 x 8	800	120	1200	321800120
35 x 8	1000	120	1200	3211000120
35 x 8	1200	120	1200	3211200120
40 x 10	400	140	1800	321400140
40 x 10	600	140	1800	321600140











FX Folding Handle Clamps

Aluminium Folding Handle

 Handle ensures ease of use, much quicker to tighten and accurate placement

 Unique, enclosed "spindle design" combined with ergonomic handle brings greater force with ease of use

Lifetime Guarantee





Solid Bar(a-mm)	Bar Opening (b - mm)	Jaw Depth (c - mm)	Part No.
35 x 8	300	120	320300120
40 x 10	400	140	320400140
35 x 8	600	120	320600120
40 x 10	800	140	320600140
40 x 10	800	140	320800140







Solid Bar (a - mm)	Bar Opening (b - mm)	Jaw Depth (c - mm)	Clamping Force (kg)	Part No.
30 x 8	200	95	800	326200095
30 x 8	300	95	800	326300095
35 x 8	300	120	1200	326300120

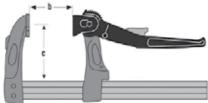
















• Quick locking, eccentric lever action with easy release trigger

 Suited to all environments and applications including welding, outdoor or gluing

High precision clamping

Hardened steel bar brake

Made in Spain





	Bar Opening (b - mm)	Jaw Depth (c - mm)	Clamping Force (kg)	Part No.
35 x 8	400	120	1000	323400
35 x 8	600	120	1000	323600





Description

MAGNETIC JAW

Magnetic Jaw Attachements

Magnetic jaws for non-parallel clamping applications such as tube

For use with the FX Xtreme clamps

Code

321001

Swivel for difficult angles and applications

ATTACHMENTS	
10	







Description	Code
XTREME GRIPLOCK PLIER - 250MM	331250
XTREME GRIPLOCK PLIER - 300MM	331300

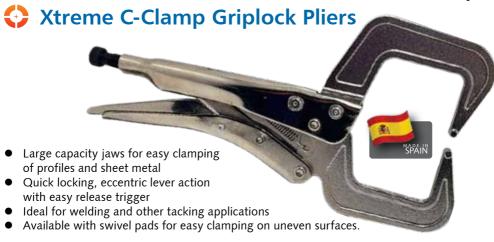
Xtreme Multi-Griplock Pliers



- Quick locking, with new ergonomic lever action with easy release trigger
- Easy-to-use finite adjustment with special designed wheel
- High precision and powerful clamping with less effort

Description	Code
XTREME MULTI-GRIPLOCK PLIERS - 250MM	332250





Description	Code
XTREME C-CLAMP GRIPLOCK PLIERS - 250MM	334250
XTREME C-CLAMP GRIPLOCK PLIERS W/SWIVEL PADS - 350MM	334350
XTREME C-CLAMP GRIPLOCK PLIERS W/SWIVEL PADS - 300MM	335300

Xtreme Welding Griplock Pliers



Notes

Notes







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