

DISTINCTIVE GEOMETRIES , APPLICATION AGILITY AND COATING TOUGHNESS

ALL MAKE **SOMTA** TOOLS PROUD LEADERS OF **WORLD-CLASS CUTTING TOOLS**

THAT CAN ENDURE IN ANY MACHINED MATERIAL





Manufacturers & Suppliers of Drills, Reamers, End Mills, Bore Cutters, Taps & Dies, Toolbits, Solid Carbide Tooling, Carbide Insert Tooling, Custom Tools and Surface Coatings

Somta Tools was founded in 1954 by Samuel Osborn Ltd of Sheffield, England, through its subsidiaries Osborn Steels and Osborn Mushet Tools. The name Somta was chosen as the acronym for these companies operating in South Africa.

Somta continues to operate from its original site on Moses Mabhida (formerly Edendale) Road in Pietermaritzburg. Somta's expansion has been brought about by the acquisition of two cutting tool companies during the 1980's. Additional growth is realised by continual investment in new plant, with emphasis on state of the art CNC equipment such as Junker, Normac, Rollomatic, Walter, Reinecker and Reishauer machines including new ANCA and Walter CNC grinding machines to further expand solid carbide range manufacturing capacity.

From humble beginnings in 1954 with 20 employees, Somta has grown into one of the largest cutting tool manufacturers in the southern hemisphere, operating from offices and modern manufacturing facilities laid out over 3 hectares of land with a complement of over 400 employees.

The factory in Pietermaritzburg manufactures 25 000 standard items and a further 6000 made-to-order items to serve local markets and export markets in over 70 countries worldwide.

Somta Tools specialises in the design and manufacture of standard and custom tools for the industrial and "do it yourself" markets. Product categories can be summarised as drills, cutters, reamers, threading tools and toolbits, which are made in a wide range of sizes, using various materials (HSS and Solid Carbide) and Balzers PVD surface coatings to extend wear life.

The company's vision of "To manufacture and supply superior cutting tools, driven by a culture of service excellence, to global and domestic markets" is supported by ISO 9002 which was achieved in 1991 and ISO 9001 in 2003 and 2008.





Manufacturers of precision industrial and DIY coated cutting tools. Standard and custom designed tooling

Providing custom industrial cutting tool solutions

The design and development of quality cutting tools together with world class manufacturing facilities have always ensured that Somta are leaders in the cutting tool industry.

Somta's standard catalogue range of precision cutting tools are supplied through an extensive network of industrial merchants, backed up by technical sales representatives who are available to provide technical assistance where required.

Should a special production application requiring specially designed custom tooling be requested, Somta is able to provide a full technical design service.

The major functions the end user, apprentice or student can expect from Somta's technical representatives and design departments are as follows:

- Provision of technical literature to assist with the correct application of Somta's tooling.
- Assistance with and solution of any tooling design and application relating to Somta's custom tooling.
- Advice, suggestions and recommendations on product improvement or innovation. Provision of training in the use, care and re-sharpening of high speed steel cutting tools on request.
- Liaison between the customer and Somta's factory estimator and production staff, to deliver the required tooling on time according to specification, to the customers complete satisfaction.

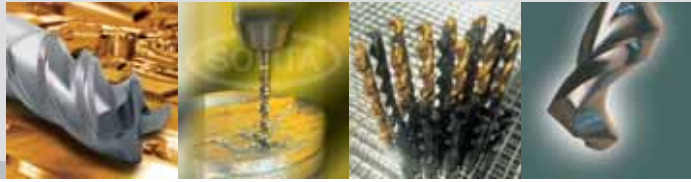


Somta has an integrated state of the art Balzers PVD Rapid coating system in it's manufacturing programme, offering the innovative range of Balzers BALINIT® high performance coatings on all cutting tools.

Contact our technical department on
Tel: +27 33 355 6600 or **e-mail: tech@somta.co.za** for technical assistance if experiencing a cutting tool problem.

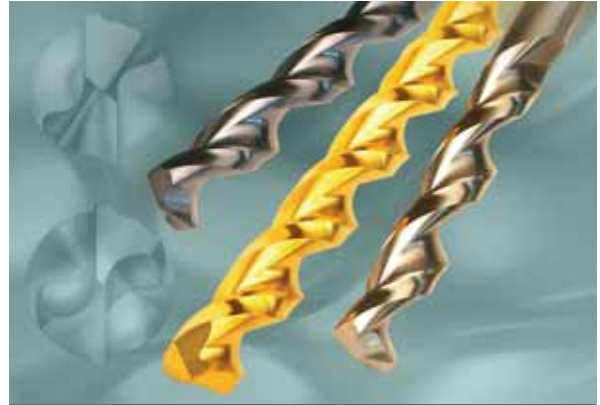


Application products



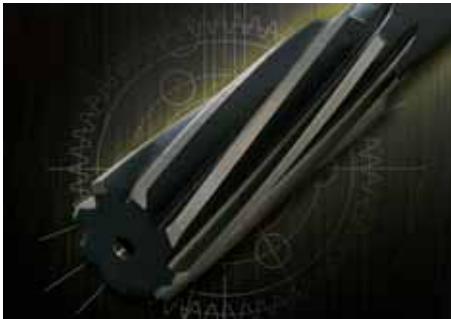
Colour Band Range

SOMTA Colour Band Application range of drills and taps is specially designed to optimize your machining performances. Each range has been designed with different cutting geometries and surface treatments to ensure optimum tool performance for each specific material category.



UD Ultra Parabolic Twist Drill

A comprehensive range of heavy duty drills designed with improved point and flute geometries for enhanced penetration and chip removal in long chip forming, short chip forming and abrasive material groups. This range of Parabolic Flute Ultra Drills are designed to meet the challenges of a broad spectrum of difficult drilling applications.



Reamer Tool Range

Established in 1954, Somta offers a range of high quality standard reamer products and custom reaming solutions. From closest tolerance precision machining of extremely accurate holes through to enlargement, alignment and deburring of holes for construction, assembly and general purpose applications. We have a product or a solution to satisfy your specific engineering requirements.

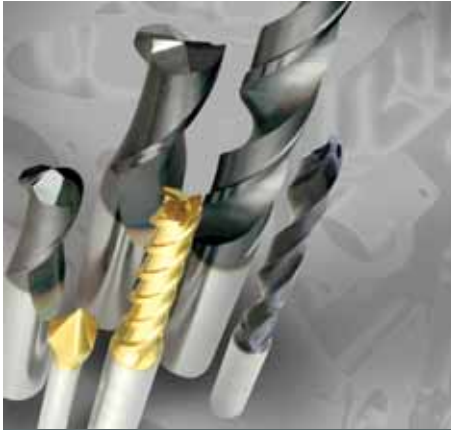


MTS Chipbreaker Drills

This outstanding development increases drill cutting efficiency by means of greatly improved chip control. A chipbreaker rib is positioned along the length of the flutes, which curls and breaks long chip forming material into small manageable chips for easier evacuation. There is no clogging of chips in the flutes, as small chips flow freely along the flutes. The chipbreaker drill thus cuts more freely than standard drills.



Application products



Solid Carbide Tooling

Somta's Solid Carbide Tooling Range is a comprehensive family of solid carbide stub and jobber length drills, 2 and 4 flute end mills and ball nose end mills, in both regular and long series, and almost any special form carbide tooling.



Solid Carbide VariCut End Mills

Somta's new "Vari-Style" End Mill, VariCut has a new patent pending tool design. This unique design uses a new core form and a new reinforced end geometry with unequal flute spacing which enables it to remove the most amount of material in the least amount of time with an excellent surface finish. On Stainless, or Titanium, it will match or outperform any other 4 flute "Vari-Style" End Mill in the market.



Solid Carbide End Mills for Aluminium

Somta's high efficiency carbide end mill range with optimal flute geometry provides all the required features for high performance machining of aluminium, with the added benefits of greater stock removal rates at high speeds and feeds, excellent surface finish quality and extended tool life.



Solid Carbide Hard Material End Mills

A range of high performance finishing end mills for operation on hard materials up to 52HRC (512HB), plus Somta's hi-feed end mill with patent pending geometry that removes the most amount of material in the least amount of time combined with extended tool life, for use on hard and super hard steels up to 62HRC (684HB).



Standard products



Straight Shank Drills



Shank Cutters



Threading Tools



Morse Taper Shank Drills



Reamers, Countersinks & Counterbores

















Bore Cutters



Toolbits

STRAIGHT SHANK DRILLS



PRODUCT	SPEC.	CODE TYPE	RANGE
Solid Carbide Jobber Drills Coated and Uncoated High production drilling.		WORKS STD.	0J 1-14
Solid Carbide Stub Drills Coated and Uncoated High production drilling.		WORKS STD.	0IS 1-14
Coolant Feed Solid Carbide Jobber Drills Coated and Uncoated High production drilling.		WORKS STD.	0CJ 6-14
Coolant Feed Solid Carbide Stub Drills Coated and Uncoated High production drilling.		WORKS STD.	0CS 6-14
Jobber Drill Sets and Counter Dispensers - HSS / HSS-Co5 For various drilling applications.		DIN 338	101/106/107 1U1/111 112/177/164 1AQ 1BB/1G7/1R5 1-13 1/16-1/2
Straight Shank Jobber Drills Blue Finish - Split Point - HSS For precision drilling.		DIN 338	101 0.3-20 102 1/64-5/8
Straight Shank Jobber Drills Bright Finish - Standard Point - HSS For light industrial drilling.		DIN 338	1U1 1-20
 Hi-Cut Straight Shank Jobber Drills Bright Finish - Standard Point - HSS For light industrial drilling.		DIN 338	111 1-13
Straight Shank Jobber Drills Gold Oxide Finish - HSS-Co5 For drilling high tensile steels and other difficult materials.		DIN 338	112 1-13 1/16-1/2
NDX Jobber Drills - Heavy Duty Gold Oxide Finish - HSS-Co5 For drilling high tensile steels and other difficult materials.		DIN 338	177 1-13 1/16-1/2
Straight Shank Stub Drills Blue Finish - Split Point - HSS A robust drill suited to portable drill application.		DIN 1897	140 1-13 3/64-1/2
Straight Shank Stub Drills Blue Finish - Standard Point - HSS A robust drill suited to portable drill application.		DIN 1897	141 1.5-25
Double Ended Sheet Metal / Body Drills - Blue Finish - HSS Double ended self centering drill designed to produce accurate holes in thin materials.		WORKS STD.	151 1.5-8

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STRAIGHT SHANK DRILLS... from previous page










PRODUCT	SPEC.	CODE TYPE	RANGE
CBA - Yellow Band Quick Spiral Jobber Drills HSS - Bright Finish for drilling Aluminium For drilling materials of low tensile strength.		DIN 338	1AQ 0.9-13
CBA - Blue Band RF Jobber Drills - HSS-Co5 TiAlN Coated for drilling Stainless Steel (VA) Ideal for use on CNC machines where high productivity and accurate holes are required.		DIN 338	1BB 1-13
CBA - Green Band NDX Jobber Drills - HSS-Co5 - TiN Coated for drilling Carbon Steel Ideal for use on CNC machines where high productivity and accurate holes are required.		DIN 338	1G7 1-13
CBA - Red Band UDS Jobber Drills - HSS-Co5 TiAlN Coated for drilling Tough Treatable Steel Ideal for use on CNC machines where high productivity and accurate holes are required.		DIN 338	1R5 1-13
CBA - White Band UDC Jobber Drills - HSS-Co5 - TiAlN Coated for drilling Cast Iron Ideal for use on CNC machines where high productivity and accurate holes are required.		DIN 338	1W6 4-12
Reduced Shank (Electricians) Drills Blue Finish - HSS For general purpose drilling.		WORKS STD.	175 11-25 176 1/2-1"
Straight Shank Long Series Drills - Blue Finish - HSS For general purpose long reach drilling.		DIN 340	116 1-16 117 1/16-5/8
Straight Shank Extra Length Drills - Blue Finish - HSS For extra deep hole drilling.		BASED ON ISO 3292	121-126 1.5-13 132-136 1/8-1/2
UDL Jobber Drills - Long Chip UX Point - Bright Finish - HSS-Co5 Ideal for use on CNC machines where high productivity and accurate holes are required.		DIN 338	154 2-10
UDL Jobber Drills - Long Chip Split Point - Bright Finish - HSS-Co5 Ideal for use on CNC machines where high productivity and accurate holes are required.		DIN 338	164 1-13 3/64-1/2 No.60-1 LTR.A-U
UDL Stub Drills - Long Chip Split Point - Bright Finish - HSS-Co5 Ideal for use on CNC machines where high productivity and accurate holes are required.		DIN 1897	163 1-13 3/64-1/2 No.60-1 LTR.A-Z
UDL Long Series Drills - Long Chip - UX Point - Bright Finish - HSS-Co5 Ideal for use on CNC machines where high productivity and accurate holes are required. High performance deep hole drilling.		DIN 340	109 3-10

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STRAIGHT SHANK DRILLS ... from previous page



PRODUCT	SPEC.	CODE TYPE	RANGE
UDL Long Series Drills - Long Chip - Split Point - Bright Finish - HSS-Co5 Ideal for use on CNC machines where high productivity and accurate holes are required. High performance deep hole drilling. 	DIN 340	110	1-10
UDL Extra Length Drills - Long Chip - Bright Finish - HSS-Co5 Ideal for use on CNC machines where high productivity and accurate holes are required. High performance extra deep hole drilling. 	DIN 1869 SERIES 1.2.3	118 119 120	2-16 3-16 4-13
NC Spotting Drills - TiAlN Coated - HSS-Co5 For accurate positioning of holes. Ideal for CNC lathes. Alternative to using Centre drills. 	DIN 1897	184	3-20
Centre Drills - Form A - Bright Finish - HSS For general centering operations on workpieces requiring additional machining between centres. 	DIN 333 BS 328	114 115	0.8-10 BS1-BS7
Centre Drills - American Standard - Bright Finish - HSS For general centering operations on workpieces requiring additional machining between centres. 	ANSI B94.11M 1979	1NA	No.1-7
Centre Drills - Form B - Bright Finish - HSS For centering operations as in Type A, but to produce a protected centre. 	DIN 333	138	1-10
Centre Drills - Form R - Bright Finish - HSS Same as Type A, but produces a radius centre suitable for a variety of male centre angles. 	DIN 333	139	1.25-8
Hi-Cut Masonry Drills Carbide Tipped For drilling concrete, brick and tile. 	DIN 8039	186 187 188	3-25 6-25 13-25
Hi-Cut Heavy Duty SDS Plus Drills - Carbide Tipped For drilling concrete, brick and tile. 	-	190	5-22



MORSE TAPER SHANK DRILLS

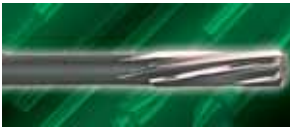
PRODUCT	SPEC.	CODE TYPE	RANGE
Morse Taper Shank Drills Blue Finish - HSS For general purpose drilling. 	DIN 345	201-205 211-214	3-76 1/4-2"
Heavy Duty MTS Drills Gold Oxide Finish - HSS-Co5 For general purpose drilling in difficult materials. 	DIN 345	208	14-38
MTS Chipbreaker Drills Blue Finish - HSS High performance production drilling. 	DIN 345	2A1	10-50 7/16-1.3/4
MTS Oil Tube Chipbreaker Drills Cross Hole Feed - Blue Finish - HSS High performance production drilling. 	WORKS STD.	2A2	12-26 5/8
MTS Oil Tube Chipbreaker Drills - Cross Hole Feed - Gold Oxide Finish - HSS-Co5 High performance production drilling. 	WORKS STD.	2A7	9/16-1.3/16
MTS Armour Piercing Drills Blue Finish - HSS-Co8 Heavy duty drilling in work hardening and heat treated steels. 	WORKS STD.	261	10-50 1/2-15/16
MTS Extra Length Drills - Blue Finish - HSS For extra deep hole drilling. 	WORKS STD.	242 244-245 252 254-255	10-50 1/4-1.3/4
MTS Core Drills - Blue Finish - HSS For enlarging diameters of existing holes whether drilled, punched or cast. 	DIN 343	221-224	14-42
MTS Rail Drills - Blue Finish - HSS-Co8 For drilling manganese rails and other tough steels. 	WORKS STD.	279	22-35
Sorgers - Bright Finish - HSS A wood auger for drilling all types of wood. 	WORKS STD.	291 292 295	15-22 17.5 17.5-19



SOCKETS & SLEEVES



PRODUCT	SPEC.	CODE TYPE	RANGE
<p>Extension Sockets For extending spindle to take larger, smaller or the same size Morse Taper Shank.</p> 	DIN 228	282	1-5
<p>Reduction Sleeves To reduce the machine taper to suit smaller Morse Taper Shank on tool in use.</p> 	DIN 228	283	1-6





REAMERS, COUNTERSINKS & COUNTERBORES

PRODUCT		SPEC.	CODE TYPE	RANGE
MTS Countersinks - HSS-Co5 To produce a countersink suitable for countersunk head screws, also used as a deburring tool.		DIN 334D	771 - 60°	16-80
		DIN 335D	773 - 90°	16-80
Parallel Shank Countersinks - HSS-Co5 To produce a countersink suitable for countersunk head screws, also used as a deburring tool.		DIN 334C	761 - 60°	6.3-25
		DIN 335C	763 - 90°	6.3-25
MTS Counterbores - HSS For counterboring holes to suit capscrew heads.		ISO 4207 DIN 375	775	M8-M24
Parallel Shank Counterbores - HSS For counterboring holes to suit capscrew heads.		BS 328 ISO 4206 DIN 373	774	M3-M12
Parallel Hand Reamers - HSS General hand reaming.		BS 328 ISO 236/1 DIN 206	701	1.5-38
			702	1/16-1.1/2
MTS Parallel Machine Reamers - HSS General machine reaming.		ISO 236/11 BS 328	711	6-50
			712	3/8-1.7/8
MTS Taper Bridge Machine Reamers - HSS For opening out existing holes for alignment on structural steel work.		BS 328 ISO 2238 DIN 311	721	13-38
MTS Machine Chucking Reamers - HSS-Co5 General machine reaming.		DIN 208	741	6-32
			742	9/16-1.1/2
Parallel Shank Machine Chucking Reamers - HSS-Co5 General machine reaming.		DIN 212	751	2-20
			752	1/8-3/4
Hand Taper Pin Reamers Straight Flute - HSS Reaming holes to suit standard taper pins.		DIN 9 BS 328	731	2-25
			732	5/64-7/8
Hand Taper Pin Reamers Spiral Flute - HSS Reaming holes to suit standard taper pins.		DIN 9	733	4-25

BORE CUTTERS



PRODUCT	SPEC.	CODE TYPE	RANGE
<p>Slitting Saws - Fine Pitch - HSS Narrow slotting and sawing applications in thin materials.</p> 	DIN 1837A	440-441	32-200
<p>Side & Face Cutters - Staggered Tooth - HSS-Co5 Designed for heavy duty slotting operations in steel and in most soft materials.</p> 	DIN 885A TYPE N	401-404 406	50-160



SHANK CUTTERS

PRODUCT	SPEC.	CODE TYPE	RANGE
Solid Carbide 3 Flute Roughing End Mills Regular Length - Knuckle Form - Coarse Pitch Flatted Shank - Uncoated for Aluminium Maximum stock removal at high feed rates in profiling applications.	WORKS STD.	03C	6-20
Solid Carbide 3 Flute Roughing End Mills Regular Length - Flat Crest - Coarse Pitch Flatted Shank - Coated Maximum stock removal at high feed rates in profiling applications.	WORKS STD.	03D	6-20
Solid Carbide 4 Flute Roughing End Mills Regular Length - Knuckle Form - Fine Pitch Flatted Shank - Coated Maximum stock removal at high feed rates in profiling applications.	WORKS STD.	03E	6-20
Solid Carbide 4 Flute Roughing End Mills Regular Length - Flat Crest - Fine Pitch Flatted Shank - Coated Maximum stock removal at high feed rates in profiling applications.	WORKS STD.	03F	6-20
Solid Carbide 6 Flute Finishing End Mills Regular Length - Plain Shank - Coated Designed for peripheral milling as a finishing operator.	WORKS STD.	03G	6-20
NEW Solid Carbide 6 Flute Hi-Feed End Mills Regular Length - Plain Shank - Coated Designed for peripheral milling of contours and complex shapes in hard materials.	WORKS STD.	03H	6-20
Solid Carbide 2 Flute Ball Nose Finishing End Mills Regular Length - Plain Shank - Coated Designed for peripheral milling of contours and complex shapes in hard materials.	WORKS STD.	03I	4-20
Solid Carbide 2 Flute Ball Nose Finishing End Mills Long Series - Plain Shank - Coated Designed for peripheral milling of contours and complex shapes in hard materials.	WORKS STD.	03J	4-20
NEW Solid Carbide 4 Flute VariCut End Mills Flatted Shank - Coated For roughing and finishing with high metal removal rates eliminating the use of multiple tools. Designed for tougher materials including Stainless steel and Titanium.	DIN 6527L	03V	5-20
NEW Solid Carbide 2 Flute End Mills - Regular Length Plain Shank - Uncoated for Aluminium Milling keyways and slots to size in one cut. Designed for plunging operations.	WORKS STD.	02A	1-16
NEW Solid Carbide 3 Flute End Mills - Regular Length Plain Shank - Uncoated for Aluminium Multi-purpose tool used for slotting and profiling.	WORKS STD.	02R	2-16

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SHANK CUTTERS ... from previous page



PRODUCT	SPEC.	CODE TYPE	RANGE
<p>NEW Solid Carbide 3 Flute Ball Nose End Mills - Regular Length Plain Shank - Uncoated for Aluminium</p> <p>For finishing of contours at high feed rates where a superior finish is required.</p> 	WORKS STD.	02S	3-16
<p>NEW Solid Carbide 3 Flute Toroidal End Mills - Regular Length Plain Shank - Uncoated for Aluminium</p> <p>For minimum vibration in heavy profile machining. Faster machining up to 1 x D depth of cut.</p> 	WORKS STD.	02U	3-16
<p>Solid Carbide 2 Flute End Mills Regular Length - Plain Shank - Coated and Uncoated</p> <p>Milling keyways and slots to size in one cut. Designed for plunging operations. High tensile steels and other difficult materials.</p> 	WORKS STD.	03A	1-20
<p>Solid Carbide 2 Flute End Mills Long Series - Plain Shank - Coated and Uncoated</p> <p>Milling keyways and slots to size in one cut. Designed for plunging operations. High tensile steels and other difficult materials.</p> 	WORKS STD.	03B	3-20
<p>Solid Carbide 4 Flute End Mills Regular Length - Plain Shank Coated and Uncoated</p> <p>For profile milling, high tensile steels and other difficult materials.</p> 	WORKS STD.	03K	1-20
<p>Solid Carbide 4 Flute End Mills Long Series - Plain Shank Coated and Uncoated</p> <p>For profile milling, high tensile steels and other difficult materials.</p> 	WORKS STD.	03L	3-20
<p>Solid Carbide 2 Flute Ball Nose End Mills Regular Length - Plain Shank - Coated and Uncoated</p> <p>Milling keyways and slots to size in one cut. Designed for plunging operations. Produces a radius at the bottom of the cut.</p> 	WORKS STD.	03M	1-20
<p>Solid Carbide 2 Flute Ball Nose End Mills Long Series - Plain Shank Coated and Uncoated</p> <p>Milling keyways and slots to size in one cut. Designed for plunging operations. Produces a radius at the bottom of the cut.</p> 	WORKS STD.	03N	3-20
<p>Solid Carbide 4 Flute Ball Nose End Mills Regular Length - Plain Shank Coated and Uncoated</p> <p>For profile milling, high tensile steels and other difficult materials.</p> 	WORKS STD.	03P	1-20
<p>2 Flute End Mills (Slot Drills) Regular Length - Threaded Shank - HSS</p> <p>Milling keyways and slots to size in one cut. Designed for plunging operations.</p> 	DIN 327	321	1.5-50
	BS 122	323	1/4-3/4
<p>2 Flute End Mills (Slot Drills) Long Series - Threaded Shank - HSS</p> <p>Milling keyways and slots to size in one cut. Designed for plunging operations.</p> 	BS 122	326	2-20

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SHANK CUTTERS... from previous page

PRODUCT	SPEC.	CODE TYPE	RANGE
2 Flute End Mills (Slot Drills) - Regular Length - Threaded Shank HSS-Co8e - TiAlN Coated and Uncoated Milling keyways and slots to size in one cut. Designed for plunging operations. High tensile steels and other difficult materials. 	DIN 327	348	1.5-50
2 Flute End Mills (Slot Drills) - Long Series - Threaded Shank HSS-Co8e - TiAlN Coated and Uncoated Milling keyways and slots to size in one cut. Designed for plunging operations. High tensile steels and other difficult materials. 	BS 122	349	1/16-2"
2 Flute End Mills (Slot Drills) - Regular Length Flatted Shank - HSS-Co8e - TiAlN Coated and Uncoated Milling keyways and slots to size in one cut. Designed for plunging operations. High tensile steels and other difficult materials. 	DIN 327	305	2-25
2 Flute End Mills (Slot Drills) - Regular Length Plain Shank - HSS-Co8e - TiAlN Coated and Uncoated Milling keyways and slots to size in one cut. Designed for plunging operations. High tensile steels and other difficult materials. 	DIN 327	310	2-25
2 Flute Ball Nose End Mills - Regular Length - Threaded Shank HSS-Co8e - TiAlN Coated and Uncoated Milling keyways and slots to size in one cut. Designed for plunging operations. Produces a radius at the bottom of the cut. 	DIN 327	340	2-25
2 Flute Ball Nose End Mills - Regular Length Flatted Shank - HSS-Co8e - TiAlN Coated and Uncoated Milling keyways and slots to size in one cut. Designed for plunging operations. Produces a radius at the bottom of the cut. 	DIN 327	337	2-25
2 Flute Ball Nose End Mills - Regular Length Plain Shank - HSS-Co8e - TiAlN Coated and Uncoated Milling keyways and slots to size in one cut. Designed for plunging operations. Produces a radius at the bottom of the cut. 	DIN 327	312	2-25
3 Flute End Mills - Regular Length - Threaded Shank HSS-Co8e - TiAlN Coated and Uncoated Multi-purpose tool used for slotting and profiling. High tensile steels and other difficult materials. 	BS 122	342	3-25
Multi-Flute End Mills - Regular Length Threaded Shank - HSS For profile milling. 	BS 122	301 303	2.5-50 1/8-2"
Multi-Flute End Mills - Long Series Threaded Shank - HSS For profile milling. 	BS 122	306	3-50
Multi-Flute End Mills - Regular Length - Threaded Shank - HSS-Co8e - TiAlN Coated and Uncoated For profile milling, high tensile steels and other difficult materials. 	BS 122	344 345	2.5-50 1/8-3/4
Multi-Flute End Mills - Long Series - Threaded Shank - HSS-Co8e - TiAlN Coated and Uncoated For profile milling, high tensile steels and other difficult materials. 	BS 122	346	3-50

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SHANK CUTTERS ... from previous page



PRODUCT	SPEC.	CODE TYPE	RANGE
Multi-Flute End Mills - Regular Length Plain Shank - HSS-Co8e - TiAlN Coated and Uncoated For profile milling, high tensile steels and other difficult materials.		DIN 844	314 3-25
Multi-Flute End Mills - Regular Length Flatted Shank - HSS-Co8e - TiAlN Coated and Uncoated For profile milling, high tensile steels and other difficult materials.		DIN 844	359 3-25
Roughing End Mills - Regular Length Threaded Shank - Knuckle Form Coarse Pitch - HSS-Co8 - TiAlN Coated Maximum stock removal at high feed rates in profiling applications.		BS 122	316 6-20
Roughing End Mills - Long Series Threaded Shank - Knuckle Form Coarse Pitch - HSS-Co8 - TiAlN Coated Maximum stock removal at high feed rates in profiling applications.		BS 122	318 10-20
Roughing End Mills - Regular Length - Flatted Shank Knuckle Form - Coarse Pitch - HSS-Co8 Maximum stock removal at high feed rates in profiling applications.		DIN 844	330 6-40
Roughing End Mills - Regular Length Flatted Shank - Flat Crest - HSS-Co8 Maximum stock removal at high feed rates in profiling applications.		DIN 844	368 6-40
Corner Rounding Cutters Threaded Shank - HSS-Co8 To produce a true radius up to a quarter of a circle application.		DIN 6518 FORM D	363 2-20
Corner Rounding Cutters Flatted Shank - HSS-Co8 To produce a true radius up to a quarter of a circle application.		DIN 6518 FORM B	363 2-20
Woodruff Cutters - Threaded Shank - HSS-Co5 To produce a seat to suit woodruff keys.		BASED ON DIN 850 TO SUIT DIN 6888 KEY	366 10.5-45.5
		BASED ON BS 122	367 204-1212
Woodruff Cutters - Flatted Shank - HSS-Co5 To produce a seat to suit woodruff keys.		DIN 850	374 10.5-45.5
T-Slot Cutters - Threaded Shank - HSS-Co5 For opening out the bottom of previously milled slot to form a T-slot.		BASED ON ISO 3337 DIN 851	371 6-22
T-Slot Cutters - Flatted Shank - HSS-Co5 For opening out the bottom of previously milled slot to form a T-slot.		DIN 851	385 6-22
Dovetail Cutters - Threaded Shank - HSS-Co5 To produce dovetail slides for machine tool tables, jigs and fixtures.		BASED ON DIN 1833 ISO 3859	376 16-40

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SHANK CUTTERS ... from previous page

PRODUCT		SPEC.	CODE TYPE	RANGE
Dovetail Cutters - Flatted Shank - HSS-Co5 To produce dovetail slides for machine tool tables, jigs and fixtures.		DIN 1833 FORM C	386	16-40
Inverted Dovetail Cutters Threaded Shank - HSS-Co5 To produce opposite section of dovetail slide to Dovetail cutter.		BASED ON DIN 1833 ISO 3859	378	16-40
Inverted Dovetail Cutters Flatted Shank - HSS-Co5 To produce opposite section of dovetail slide to Dovetail cutter.		DIN 1833 FORM D	389	16-40

THREADING TOOLS



PRODUCT	SPEC.	CODE TYPE	RANGE
Short Hand Taps Metric Coarse - HSS For general hand tapping.	ISO 529	501	M1-M68
Left Hand Short Hand Taps Metric Coarse - HSS For general hand tapping.	ISO 529	519	M3-M36
Serial Hand Taps Metric Coarse - HSSE-V3 For tapping in tougher materials.	DIN 352	518	M3-M24
Gun Nose Short Machine Taps Metric Coarse - HSSE-V3 For machine tapping of through holes.	ISO 529	508	M2-M36
15° Spiral Flute Short Machine Taps Metric Coarse - HSSE-V3 For machine tapping of blind holes.	ISO 529	509	M3-M24
35° Spiral Flute Short Machine Taps Metric Coarse - HSSE-V3 For machine tapping of blind holes.	ISO 529	510	M3-M24
CBA - Yellow Band Gun Nose Taps Metric Coarse - Bright Finish - HSSE-V3 For machine tapping of through holes in soft materials eg. Aluminium.	DIN 371	538	M3-M10
CBA - Yellow Band 40° Spiral Flute Taps Metric Coarse - Bright Finish - HSSE-V3 For machine tapping of blind holes in soft materials eg. Aluminium.	DIN 376	548	M12-M24
CBA - Yellow Band 40° Spiral Flute Taps Metric Coarse - Bright Finish - HSSE-V3 For machine tapping of blind holes in soft materials eg. Aluminium.	DIN 371	558	M3-M10
CBA - Yellow Band 40° Spiral Flute Taps Metric Coarse - Bright Finish - HSSE-V3 For machine tapping of blind holes in soft materials eg. Aluminium.	DIN 376	569	M12-M24
CBA - Yellow Band Fluteless Taps Metric Coarse - TiN Coated - HSSE-V3 For cold forming threads in ductile materials.	DIN 371	512	M3-M12
CBA - Blue Band Gun Nose Taps Metric Coarse - TiAlN Coated - HSSE-V3 For machine tapping of through holes in tough materials eg. Stainless Steel.	DIN 371	539	M3-M10
CBA - Blue Band Gun Nose Taps Metric Coarse - TiAlN Coated - HSSE-V3 For machine tapping of through holes in tough materials eg. Stainless Steel.	DIN 376	549	M12-M24
CBA - Blue Band 40° Spiral Flute Taps Metric Coarse - TiAlN Coated - HSSE-V3 For machine tapping of blind holes in tough materials eg. Stainless Steel.	DIN 371	559	M3-M10
CBA - Blue Band 40° Spiral Flute Taps Metric Coarse - TiAlN Coated - HSSE-V3 For machine tapping of blind holes in tough materials eg. Stainless Steel.	DIN 376	570	M12-M24
CBA - Red Band Gun Nose Taps Metric Coarse - TiAlN Coated - HSSE-V3 For machine tapping of through holes in high tensile materials eg. Tool Steel.	DIN 371	540	M3-M10
CBA - Red Band Gun Nose Taps Metric Coarse - TiAlN Coated - HSSE-V3 For machine tapping of through holes in high tensile materials eg. Tool Steel.	DIN 376	550	M12-M24

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PRODUCT		SPEC.	CODE TYPE	RANGE
CBA - Red Band 15° Spiral Flute Taps Metric Coarse - TiAlN Coated - HSSE-V3 For machine tapping of blind holes in high tensile materials eg. Tool Steel.		DIN 371	564	M3-M10
		DIN 376	576	M12-M24
CBA - White Band 15° Spiral Flute Taps Metric Coarse - TiAlN Coated - HSSE-V3 For machine tapping of blind holes or through holes in Cast Iron.		DIN 371	578	M3-M10
		DIN 376	579	M12-M24
CBA - Green Band Gun Nose Taps Metric Coarse - TiN Coated - HSSE-V3 For machine tapping of through holes in carbon steels.		DIN 371	561	M3-M10
		DIN 376	566	M3.5-M24
CBA - Green Band 15° Spiral Flute Taps Metric Coarse - TiN Coated - HSSE-V3 For machine tapping of blind holes in carbon steels.		DIN 371	562	M3-M10
		DIN 376	567	M3.5-M24
CBA - Green Band 35° Spiral Flute Taps Metric Coarse - TiN Coated - HSSE-V3 For machine tapping of blind holes in carbon steels.		DIN 371	563	M3-M10
		DIN 376	568	M3.5-M24
Short Hand Taps Metric Fine - HSS For general hand tapping.		ISO 529	511	MF3-MF52
Gun Nose Short Machine Taps Metric Fine - HSSE-V3 For machine tapping of through holes.		ISO 529	515	MF4-MF24
Short Hand Taps BSW - HSS For general hand tapping.		ISO 529	521	1/16-2"
Gun Nose Short Machine Taps BSW - HSSE-V3 For machine tapping of through holes.		ISO 529	526	1/8-1"
35° Spiral Flute Short Machine Taps BSW - HSSE-V3 For machine tapping of blind holes.		ISO 529	528	1/8-1"
Short Hand Taps BSF - HSS For general hand tapping.		ISO 529	531	3/16-2"
Short Hand Taps UNC - HSS For general hand tapping.		ISO 529	541	No.4-2"

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PRODUCT		SPEC.	CODE TYPE	RANGE
Gun Nose Short Machine Taps UNC - HSSE-V3 For machine tapping of through holes.		ISO 529	545	No.6-1"
35° Spiral Flute Short Machine Taps UNC - HSSE-V3 For machine tapping of blind holes.		ISO 529	546	No.6-1"
Short Hand Taps UNF - HSS For general hand tapping.		ISO 529	551	No.4-1.1/2
Gun Nose Short Machine Taps UNF - HSSE-V3 For machine tapping of through holes.		ISO 529	555	No.4-1"
35° Spiral Flute Short Machine Taps UNF - HSSE-V3 For machine tapping of blind holes.		ISO 529	556	No.4-1"
Parallel Pipe Taps - BSP-G - HSS For hand or machine tapping of through or blind holes.		ISO 2284	571	1/8-3"
Gun Nose Short Machine Taps BSP-G - HSSE-V3 For machine tapping of through holes.		ISO 2284	573	1/8-3/4
Taper Pipe Hand Taps - BSPT - HSS For hand or machine tapping of through or blind holes.		ISO 2284	575	1/8-2"
Parallel Pipe Taps - NPS - HSS For hand or machine tapping of through or blind holes.		ISO 2284	581	1/8-2"
Taper Pipe Taps - NPT - HSS For hand or machine tapping of through or blind holes.		ISO 2284	585	1/8-2"
Short Hand Taps - BA - HSS For general hand tapping.		ISO 529	591	No.12-0
Short Hand Taps BSB - HSS For general hand tapping.		ISO 529	595	1/4-1"
Circular Solid Dies Metric Coarse - HSS For hand or machine production of components 3 x D in length.		DIN 223	580	M1-M48
Circular Solid Dies Metric Fine - HSS For hand or machine production of components 3 x D in length.		DIN 223	582	MF2-MF52

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PRODUCT		SPEC.	CODE TYPE	RANGE
Circular Solid Dies BSP - HSS For hand or machine production of components 3 x D in length.		DIN 223	587	1/8-2"
Circular Solid Dies NPT - HSS For hand or machine production of components 3 x D in length.		DIN 223	590	1/8-2"
Die Nuts Metric Coarse - HSS For general purpose repairing or cleaning of threads.		DIN 382	507	M3-M36
Die Nuts Metric Fine - HSS For general purpose repairing or cleaning of threads.		DIN 382	577	MF3-MF36
Die Nuts BSW - HSS For general purpose repairing or cleaning of threads.		DIN 382	527	1/8-2"
Die Nuts BSF - HSS For general purpose repairing or cleaning of threads.		DIN 382	537	1/4-2"
Die Nuts UNC - HSS For general purpose repairing or cleaning of threads.		DIN 382	547	1/4-1.1/2
Die Nuts UNF - HSS For general purpose repairing or cleaning of threads.		DIN 382	557	1/4-1.1/2
Die Nuts BSP - HSS For general purpose repairing or cleaning of threads.		DIN 382	574	1/8-2"
Adjustable Tap Wrenches - HSS For direct application of hand taps.		DIN 1814	588	T1-T2 TL3-TL4 TW1-TW6
Die Stocks For direct application of circular solid dies - Din 223 without capsule.		DIN 225	589	0-9A
Tap & Die Cased Sets - HSS For hand or machine tapping of through or blind holes.		-	5A1	HS3-HS21

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PRODUCT	SPEC.	CODE TYPE	RANGE
<p>CBA - Colour Band Jobber Drill and Gun Nose Tap Sets</p> <p>Drills are ideal for use on CNC machines where high productivity and accurate holes are required. Taps are for machine tapping of through holes.</p> 	DIN 338 DIN 371 DIN 376	5BB 5G7 5R5	4.2-10.2 M5-M12
<p>Drill and Tap Sets in Metal Index Cases - HSS</p> <p>For hand or machine tapping of through or blind holes.</p> 	-	598	-
<p>Combination Drill and Tap Metric Coarse - HSS</p> <p>For tapping and drilling.</p> 	-	5DT	M3-M10
<p>Somta Tapping, Reaming and Drilling Fluid</p> 	-	5AU	-
<p>Hi-Cut Carbon Steel Short Hand Tap Sets - Metric Coarse</p> <p>For general hand tapping.</p> 	ISO 529	901	M2-M36
<p>Hi-Cut Carbon Steel Short Hand Tap Sets - Metric Fine</p> <p>For general hand tapping.</p> 	ISO 529	902	MF3-MF25
<p>Hi-Cut Carbon Steel Short Hand Tap Sets - BSW</p> <p>For general hand tapping.</p> 	ISO 529	903	1/8-1.1/4
<p>Hi-Cut Carbon Steel Short Hand Tap Sets - BSF</p> <p>For general hand tapping.</p> 	ISO 529	904	3/16-1"
<p>Hi-Cut Carbon Steel Short Hand Tap Sets - UNC</p> <p>For general hand tapping.</p> 	ISO 529	905	1/4-1"
<p>Hi-Cut Carbon Steel Short Hand Tap Sets - UNF</p> <p>For general hand tapping.</p> 	ISO 529	906	1/4-1"
<p>Hi-Cut Carbon Steel Parallel Pipe Tap Sets - BSP-G</p> <p>For general hand tapping.</p> 	ISO 529	907	1/8-2"
<p>Hi-Cut Carbon Steel Short Hand Tap Sets - BA</p> <p>For general hand tapping.</p> 	ISO 529	908	No.6-0

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PRODUCT	SPEC.	CODE TYPE	RANGE	
Hi-Cut Carbon Steel Die Nuts - Metric Coarse For general purpose repairing or cleaning of threads.		DIN 382	911	M4-M39
Hi-Cut Carbon Steel Die Nuts - Metric Fine For general purpose repairing or cleaning of threads.		DIN 382	912	MF8-MF24
Hi-Cut Carbon Steel Die Nuts - BSW For general purpose repairing or cleaning of threads.		DIN 382	913	5/32-1.1/8
Hi-Cut Carbon Steel Die Nuts - BSF For general purpose repairing or cleaning of threads.		DIN 382	914	1/4-1.1/4
Hi-Cut Carbon Steel Die Nuts - UNC For general purpose repairing or cleaning of threads.		DIN 382	915	1/4-1.3/8
Hi-Cut Carbon Steel Die Nuts - UNF For general purpose repairing or cleaning of threads.		DIN 382	916	3/8-1.1/2
Hi-Cut Carbon Steel Die Nuts - BSP For general purpose repairing or cleaning of threads.		DIN 382	917	1/8-1"
Hi-Cut Carbon Steel Die Nuts - BA For general purpose repairing or cleaning of threads.		DIN 382	918	0-6
Hi-Cut Carbon Steel Tap Wrenches For direct application of hand taps.		-	980	T1-T2 TL3-TL4 TW1-TW6
Hi-Cut Metric Conduit Circular Solid Sets		-	976	-
Hi-Cut Carbon Steel Tap & Die Cased Sets For hand or machine tapping of through or blind holes.		-	970-975	-

TOOLBITS AND MISCELLANEOUS



PRODUCT		SPEC.	CODE TYPE	RANGE
Square Toolbits - HSS Blanks for the manufacture of tools for high tensile and heat resistant steels where high temperatures and abrasion may be expected during machining, 10° bevel at both ends.		BASED ON	601	4-25
		ISO 5421	602	3/16-3/4
Square Toolbits - HSS-Co8 Blanks for the manufacture of tools for high tensile and heat resistant steels where high temperatures and abrasion may be expected during machining, 10° bevel at both ends.		BASED ON	621	5-25
		ISO 5421	622	3/16-1"
Round Toolbits - HSS Blanks for the manufacture of tools for high tensile and heat resistant steels where high temperatures and abrasion may be expected during machining.		BASED ON	605	4-20
		ISO 5421	606	1/4-5/8
Round Toolbits - HSS-Co8 Blanks for the manufacture of tools for high tensile and heat resistant steels where high temperatures and abrasion may be expected during machining.		BASED ON	625	4-25
		ISO 5421		
Double Bevel Parting Blades - HSS-Co8 For parting off and slotting applications, with increased wear resistance.		ISO 5421	644	3-4
			647	3/32-3/16
Hi-Cut Chassis Punches Used for punching holes in sheetmetal up to 1.6mm in thickness		-	990	12.7-51
Hi-Cut Core Drill Cutters (Sluggers) and Pilot Pins		-	9PP 9RB	8-16 12-60
Engineers Black Book (South Africa Only) The ENGINEERS BLACK BOOK is a Technical Engineering Resource Book consolidating the most commonly used Engineering information into a easy-to-read and convenient user friendly format.		-	EHB0001	-
Fasteners Black Book (South Africa Only) The FASTENER BLACK BOOK is a Technical Fastener Resource Book consolidating the abundance of Fastener information into a easy-to-read and convenient user friendly format.		-	EHB0002	-

PRODUCT	CODE TYPE
Tool Holders for External Machining 	0ZH
Tool Holders for Internal Machining 	0ZH
Inserts for Turning 	0ZH
Double Edge 	0ZH / 0ZN
Maxi Drill 	0ZN & 0ZS
EcoCut / Profile Master 	0ZN
MaxiLock MSS 	0ZH / 0ZA 0ZS / 0ZN
MaxiClick 	0ZS / 0ZN
MaxiMill Shoulder & Face Milling Cutters 	0ZH
MaxiMill End Mills 	0ZH
Inserts for Milling 	0ZN
Inserts for Heavy Machining 	0ZN



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