

Your SOLID solutions to METALWORKING



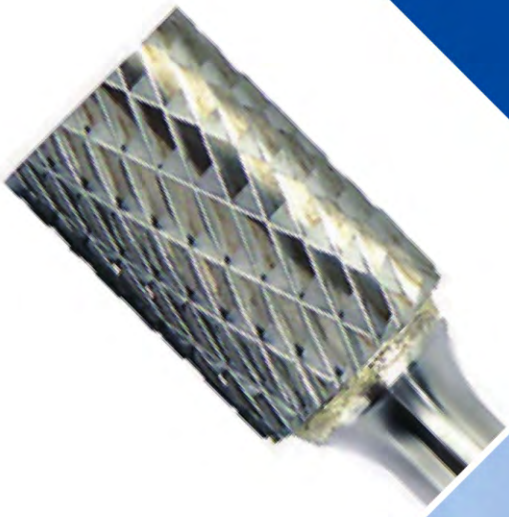
Solid Metalworking LNC. Limited is a subsidiary company established in 2012 in Guangzhou for export promotion, who is responsible for entertaining our foreign customers and arranging the export of Tungsten Carbide Tools. We have established our workshop in Sichuan Zigong in 2004 by started producing carbide blanks for domestic factories.

As a professional manufacturer and supplier of Tungsten Carbide Tools with two decades of experience, an extensive range of Cemented Carbide Tools with excellent endurance and high precision can be produced according to your requirement.

We entered into the field of PCD &PCBN inserts in 2005

Cermet Inserts in 2008,
Scarfig Inserts in 2009
Carbide Burs in 2012
Carbide End Mills in 2018

Our target to be your integrated solutions to metalworking.
Dedicated to metalworking...





Research & Development

By continuously improving the shape, fluting, spiral and rake angles and concentricity of our burs, our experienced R&D team focus on developing new design geometries to optimise our customers' processes.

Raw Material

As part of our manufacturing process, we have developed strong relationships with key global suppliers to ensure that our selection of high quality micro-grain carbide remains consistent and to the highest standard.

Brazing Process

An important stage within our manufacturing process, our brazing operation focuses on alignment control, ensuring a brazed product free of contamination.

Grinding

Our manufacturing facilities are equipped with state-of-the-art CNC machines, operated and maintained by highly skilled operators and maintenance engineers.

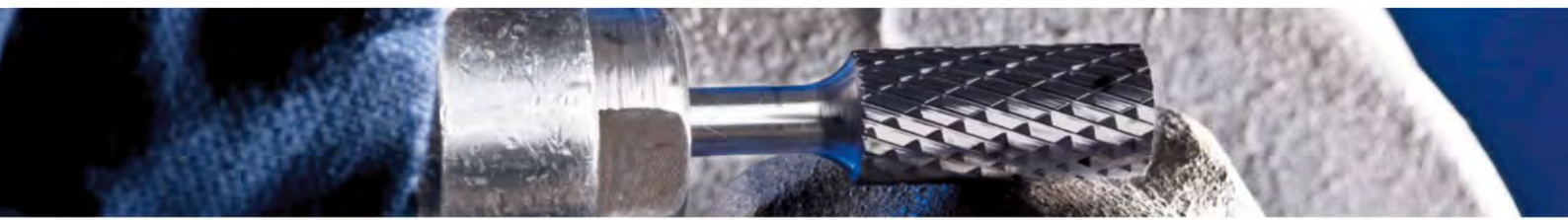
Inspection

We want to create outstanding benefits for our customers and, therefore, quality management is part of our company culture. We not only test and measure quality, but we live it. Quality checks are carried out throughout the manufacturing process.

Service

Based on our knowledge and technical expertise, our approach through clear procedures ensures that the work we conduct for customers brings value.

HOW TO SELECT YOUR BUR



Applications	Material	Cut	
Efficient stock removal - deburring, finishing, cleaning.	Ferrous metals Non-ferrous metals	Double Cut - CUT 6 (D/C)	
Heavy stock removal - deburring, milling, cleaning, machining.	Non-ferrous metal: aluminium alloys Plastics	Non-ferrous - CUT 1 (NF)	
Heavy stock removal - deburring, milling.	Non hardened steel <45HRc Hardened steel >45HRc: stainless steel High temperature-resistant metals: nickel, cobalt, titanium. Non-ferrous light metals: brass, copper, zinc. Hardened >45HRc: cast iron	Omega Cut - (DDC)	
Medium stock removal - deburring, milling, cleaning, finishing.	Non-ferrous light metals: brass, copper, zinc Plastics Hard Rubber	Coarse Cut - CUT 2 (C/C)	
Medium stock removal - deburring, milling, cleaning, finishing.	Non hardened steel <45HRc Hardened steel >45HRc: stainless steel High temperature-resistant metals: nickel, cobalt, titanium. Non-ferrous light metals: brass, copper, zinc. Hardened >45HRc: cast iron	Single Cut - CUT 3 (S/C)	
Medium stock removal - deburring, milling, cleaning, finishing.	Non hardened steel <45HRc Non-ferrous light metals: brass, copper, zinc. Steel - Hardened >45HRc: cast iron	Chip Breaker - CUT 3 SP (C/B)	
Light stock removal - fine deburring, fine finishing	Ferrous metals Fibreglass Hardened steel >45HRc High temperature-resistant metals: nickel, cobalt.	Diamond Cut - CUT 4 (DIA)	
Medium stock removal - deburring, milling, cleaning, finishing.	Composite, Carbon Fibreglass	FGR - (FGR)	
Medium stock removal - deburring, milling, cleaning, finishing.	Ni-Alloys & Ti-Alloys	Alloy Specific (AS)	
Heavy stock removal - deburring, milling.	Free machining Stainless steel <25HRc Austenitic Stainless steel <25HRc Ferritic, Austenitic & Martensitic Stainless Steel <32HRc	Inox Cut	
Heavy stock removal - deburring, milling.	Non-hardened or treated steel < 38HRc Construction steels; Structural steels; Carbon steels & tool steels Hardened or treated steel >38HRc Alloy steel; hardened and tempered steel	Steel Cut	
Heavy stock removal - deburring, milling.	Low carbon steels, copper and brass	Base Metal (BM)	



The way to use the speed guide below:

1. Select application and material group
2. Identify the appropriate cut style. Please refer to previous page to match your application and the appropriate cutting style.
3. Identify recommended cutting speed.
4. Select bur diameter.
5. Follow maximum rotational speed.

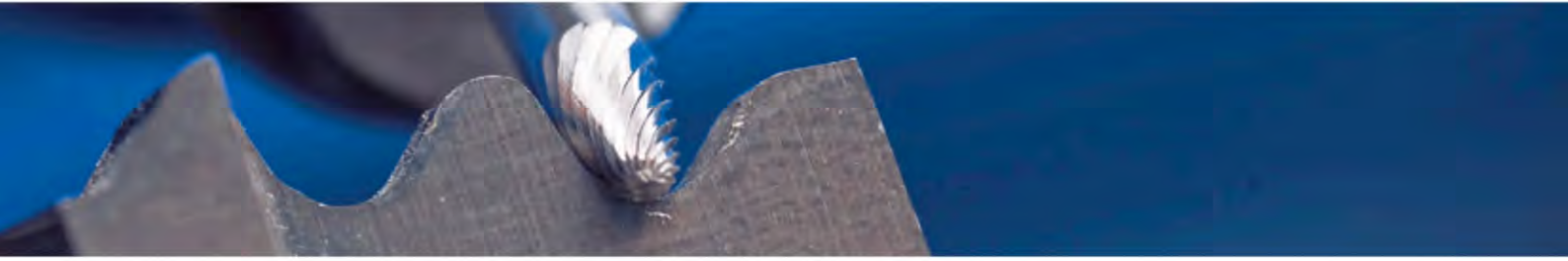
MATERIAL GROUP 1		CUT STYLES 2								
Super Alloy Materials	Cut 3 - 5 - 6 - 4 - AS									
Hardened steel >45HRC	Omega Cut - Steel Cut - 3 - 3SP - 5 - 6									
Non hardened steel <45HRC	Omega cut - Steel cut - 3 - 3SP - 6 - BM									
High temperature-resistant materials	Omega Cut - Inox Cut - 3 - 3SP - 6									
Non-ferrous metals	Cut 1									
Non-ferrous light metals	Cut 1							Cut 2 - 3SP - 6		
Plastics, Hard rubber	Cut 1 - 2									
Fiberglass	Cut 4 (FGR)									

RECOMMENDED CUTTING SPEED 3									
METRIC (m/min)	420	480	540	600	660	720	780	840	900
FRACTIONAL (SFM)	1400	1600	1800	2000	2200	2400	2600	2800	3000

BUR DIAMETER 4		MAXIMUM ROTATIONAL SPEED (RPM) 5								
Imperial (Inch)	Metric (mm)									
< 1/8	< 3	45,000	53,000	60,000	66,000	73,000	79,000	86,000	92,500	100,000
3/16	5	35,000	40,000	45,000	50,000	55,000	60,000	65,000	70,000	75,000
1/4	6	26,000	30,000	34,000	37,500	41,500	45,000	49,000	52,500	55,000
5/16	8	21,000	24,000	27,000	30,000	33,000	36,000	39,000	42,000	45,000
3/8	10	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500
1/2	12	13,000	15,000	17,000	19,000	20,500	22,500	24,500	26,000	28,000
5/8	15	10,500	12,000	13,500	15,000	16,500	18,000	19,500	21,000	22,500
3/4	20	9,000	10,000	11,000	12,500	14,000	15,000	16,250	17,500	19,000
1	25	6,500	7,500	8,500	9,500	10,500	11,000	12,000	13,000	14,000

Recommended Speeds are based on standard shank length of 45mm / (1-3/4") max overhang of 10mm (3/8")
 Maximum recommended speeds for extended length shanks is 15,000rpm
 Please note that all cuts available are not displayed in this product catalogue. Please contact ATA Customer Service to discuss your specific requirements.

BUR SHAPES



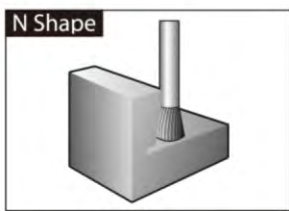
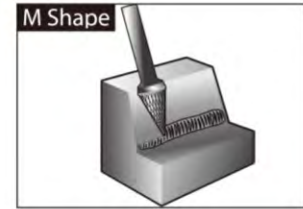
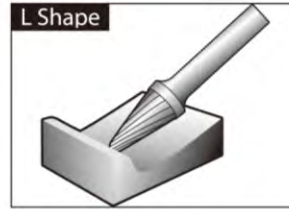
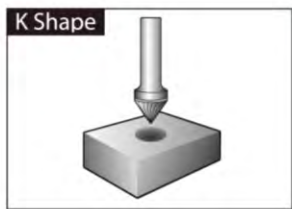
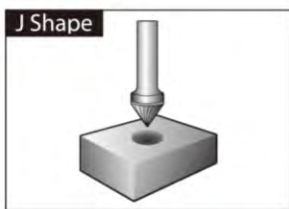
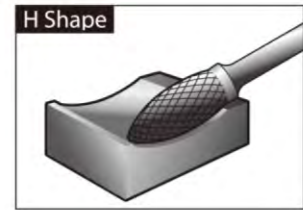
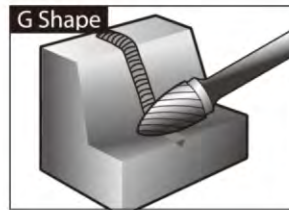
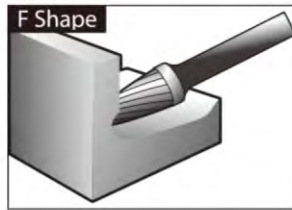
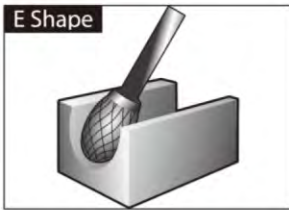
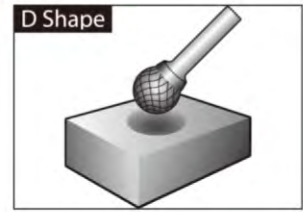
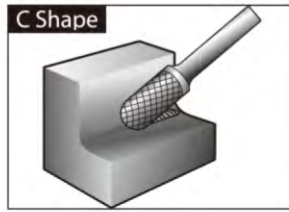
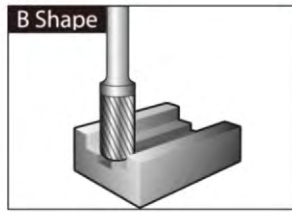
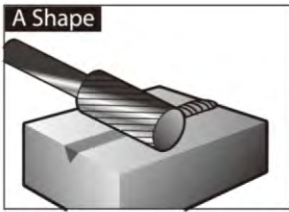
tungsten carbide burs are manufactured in compliance with the highest standards. Our comprehensive product portfolio offers a broad range of reliable and market-proven solutions for every application. Our know-how and expertise allow us to continuously improve our offering to provide outstanding quality and deliver excellent performance across a wide range of industries, optimizing processes in regards to economic efficiency, safety and process optimisation.

Customer Support

Our customer service team is available to answer any questions you may have. Our technical support team is available to discuss any requirements you may have and provide you with a tailor-made solution.

Application Tips

- Use lubricant or wax to prevent flute loading in soft materials.
- Using the recommended speed prevents premature wear and/or insufficient material removal rates.
- Maintain grinder concentricity to optimize material removal rates and extend bur life.
- Reduce flutes and increase speed in softer materials. Increase flutes and reduce speed in hardened materials.
- Cross cut styles (6, 3SP, 4) generally improve stock removal, control, and reduce chip size.





Alloy Specific Range



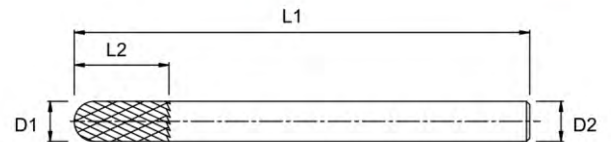
ALLOY SPECIFIC RANGE

Introducing the new Alloy Specific Bur range from
Designed specifically to meet the most demanding
metal finishing needs of high tech industries.

The geometry has been specifically designed for use on
Ni-Alloys & Ti-Alloys.

Our new alloy specific bur geometry offers:

- Advanced cutting geometry, allowing for -
 - Increased stock removal
 - Improved surface finish
 - Increased tool life
 - Controlled cutting action
- High performance grinding - ensuring production savings and reduced downtime
- CNC Machined - high consistent quality
- Combined with the ATA Pencil Grinders, the AS range allows for:
 - A smoother grinding operation
 - Increased productivity



D1	Cutting Diameter
L2	Length of Cut
D2	Shank Diameter
L1	Overall Length

EXCELLEDGE



Wear Eye Protection!



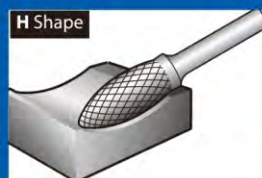
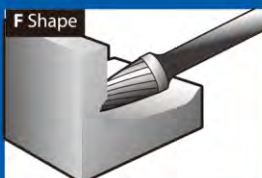
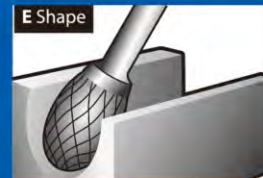
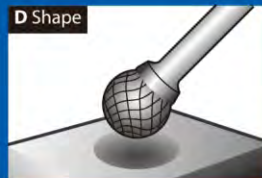
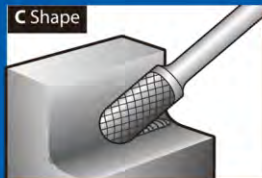
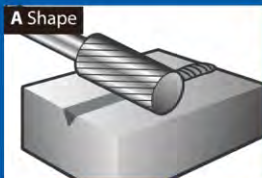
Wear Hearing Protection!



Observe the recommended rotational speed, especially when using burs with long shanks!



Wear Protective Gloves



SHAPE SA, SC, SD & SE



Cylinder without Endcut - Shape SA

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Part No.
SA-43M BUR	3.0	12.0	3.0	38	40100



Ball Nosed Cylinder - Shape SC

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Part No.
SC-42M BUR	3.0	14.0	3.0	38	40110



Ball Shape - Shape SD

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Part No.
SD-42M BUR	3.0	2.5	3.0	38	40120



Oval Shape - Shape SE

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Part No.
SE-41M BUR	3.0	6.0	3.0	38	40130

SHAPE SF, SG, SH



Ball Nosed Tree - Shape SF

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Part No.
SF-42M BUR	3.0	14.0	3.0	38	40140



Pointed Tree - Shape SG

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Part No.
SG-41M BUR	3.0	8.0	3.0	38	40150
SG-44M BU	3.0	14.0	3.0	38	40160



Flame - Shape SH

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Part No.
SH-41M BUR	3.0	6.0	3.0	38	40170





Ball Nosed Cone - Shape SL

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Part No.
SL-42M BUR	3.0	14.0	3.0	38	40180



Cone - Shape SM

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Part No.
SM-43M BUR	3.0	15.0	3.0	38	40190



Wear Eye Protection!



Wear Hearing Protection!



Observe the recommended rotational speed, especially when using burs with long shanks!



Wear Protective Gloves

AS RANGE SET

Features & Benefits

FEATURES

Compact

Versatile assortment

BENEFITS

Easy to carry

Ideal for demonstrations, samplings or special promotions



Line	Description Type	Contents	Alloy Specific Part No.
Sets	10 pcs Alloy Specific Cut	40100; 40110; 40120; 40130; 40140; 40150; 40160; 40170; 40180; 40190	40200

AS RANGE SPEED GUIDE

Bur Head Diameter	Maximum Operating Speed	Speed Range	Suggested Air Tools
3mm (1/8")	100,000	45,000 - 100,000	SP Range

Recommended speeds are based on standard overall length of 38mm (1-1/2") maximum overhang of 10mm (3/8")

EXCELLEDGE



Wear Eye Protection!



Wear Hearing Protection!



Observe the recommended rotational speed, especially when using burs with long shanks!



Wear Protective Gloves



EXCELLEDGE

INOX RANGE

INOX Range has a specially designed geometry to suit growing market demands for stainless steel applications. This is a cost effective alternative to standard solutions due to the greater rate of stainless steel stock removal and on Ferritic, Austenitic & Martensitic based materials.

Features & Benefits

- Developed cutting geometry - generating high stock removal on Inox components
- High performance grinding - ensuring production savings and reduced downtime
- Specifically developed Inox cutting geometry - reducing heat build up at the cutting edge and workpiece
- Manufactured from high quality sintered tungsten carbide - guaranteed high performance and durability
- CNC Machined - High consistent quality
- Combination of ATA air tool with Inox cut geometry - gives a guaranteed smoother grinding operation
- Manufactured to strict quality control standards - Incorporates 100% inspection of brazed joints



Wear Eye Protection!



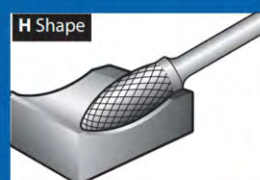
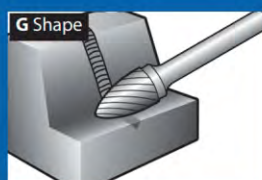
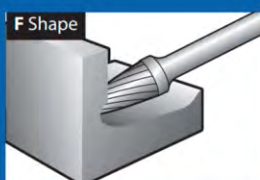
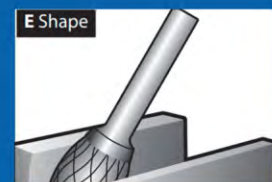
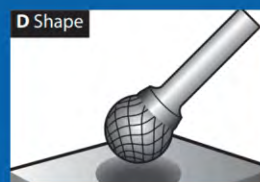
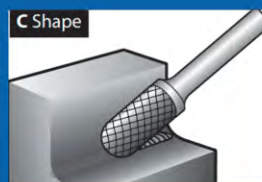
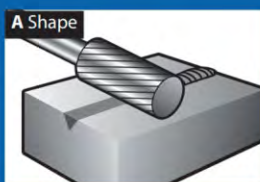
Wear Hearing Protection!



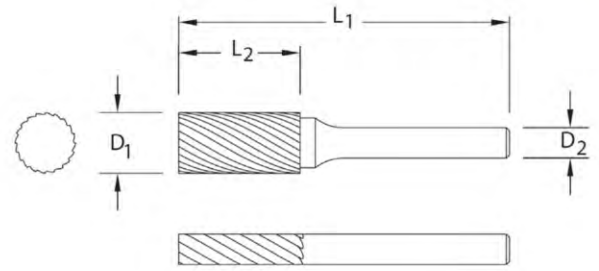
Observe the recommended rotational speed, especially when using burs with long shanks!



Wear Protective Gloves



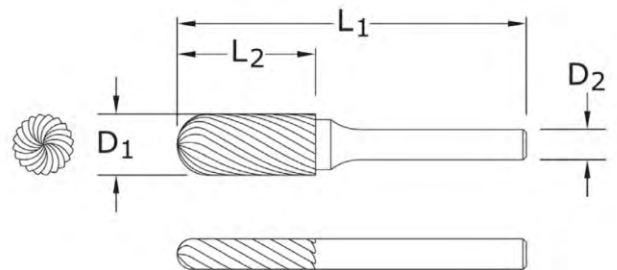
INOX RANGE A, ZYA, SA



Inox A, ZYA, SA - Cylinder without Endcut

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Inox Part No.
SA-43M	3.0	14.0	3.0	38.0	29150
SA-51M	6.3	12.7	3.0	45.0	29151
SA-1M	6.0	18.0	6.0	50.0	29152
SA-2M	8.0	19.0	6.0	64.0	29153
SA-3M	9.6	19.0	6.0	64.0	29154
SA-5M	12.7	25.0	6.0	70.0	29155

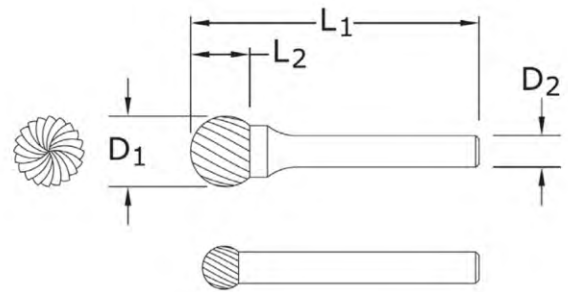
INOX RANGE C, WRC, SC



Inox Shape C, WRC, SC - Ball Nosed Cylinder

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Inox Part No.
SC-42M	3.0	14.0	3.0	38.0	29156
SC-51M	6.3	12.7	3.0	45.0	29157
SC-1M	6.0	18.0	6.0	50.0	29158
SC-2M	8.0	19.0	6.0	64.0	29159
SC-3M	9.6	19.0	6.0	64.0	29160
SC-5M	12.7	25.0	6.0	70.0	29161

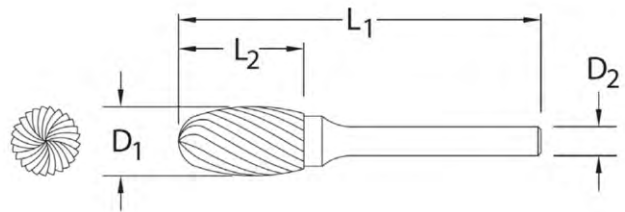
INOX RANGE D, KUD, SD



Inox D, KUD, SD - Ball Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Inox Part No.
SD-42M	3.0	2.5	3.0	38.0	29162
SD-51M	6.3	5.0	3.0	38.0	29163
SD-1M	6.0	4.7	6.0	50.0	29164
SD-2M	8.0	6.0	6.0	52.0	29165
SD-3M	9.6	8.0	6.0	54.0	29166
SD-5M	12.7	11.0	6.0	56.0	29167

INOX RANGE E, TRE, SE



Inox E, TRE, SE - Oval Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Inox Part No.
SE-2M	8.0	15.0	6.0	60.0	29168
SE-3M	9.6	16.0	6.0	60.0	29169
SE-5M	12.7	22.0	6.0	67.0	29170

EXCELLEDGE



Wear Eye Protection!



Wear Hearing Protection!

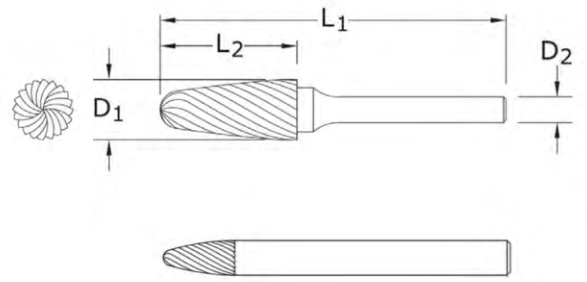


Observe the recommended rotational speed, especially when using burs with long shanks!



Wear Protective Gloves

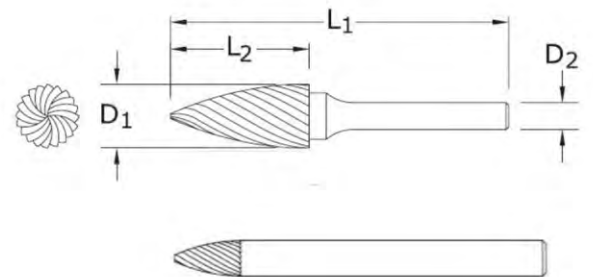
INOX RANGE F, RBF, SF



Inox F, RBF, SF - Ball Nosed Tree Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Inox Part No.
SF-42M	3.0	14.0	3.0	38.0	29171
SF-51M	6.3	12.7	3.0	45.0	29172
SF-1M	6.0	18.0	6.0	50.0	29173
SF-2M	8.0	20.0	6.0	65.0	29174
SF-3M	9.6	19.0	6.0	64.0	29175
SF-5M	12.7	25.0	6.0	70.0	29176

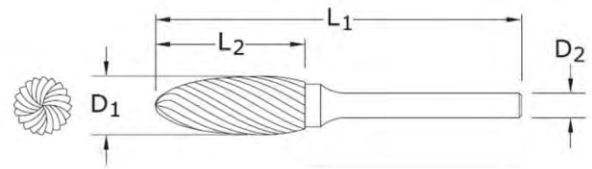
INOX RANGE G, SPG, SG



Inox G, SPG, SG - Pointed Tree Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Inox Part No.
SG-1M	6.0	18.0	6.0	50.0	29177
SG-2M	8.0	19.0	6.0	64.0	29178
SG-3M	9.6	19.0	6.0	64.0	29179
SG-5M	12.7	25.0	6.0	70.0	29180

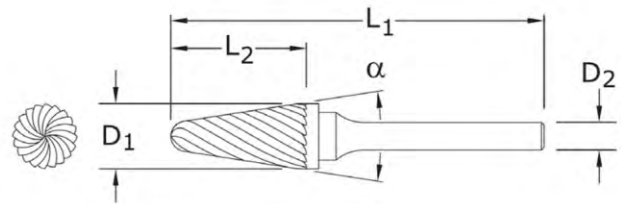
INOX RANGE H, SH



Inox H, SH - Flame Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Inox Part No.
SH-2M	8.0	19.0	6.0	64.0	29181
SH-3M	9.6	19.0	6.0	65.0	29182
SH-5M	12.7	32.0	6.0	77.0	29183

INOX RANGE L, KEL, SL



Inox L, KEL, SL- Ball Nosed Cone Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle	Cut - Inox Part No.
SL-2M	8.0	25.4	6.0	70.0	14°	29184
-	10.0	20.0	6.0	65.0	14°	29185
SL-4M	12.7	32.0	6.0	77.0	14°	29186



INOX RANGE SETS

Features & Benefits - Inox Set

FEATURES

Compact
Versatile assortment

BENEFITS

Easy to carry
Ideal for demonstrations, samplings
or special promotions



Line	Description Type	Type	Contents	Cut - Inox Part No.
Sets	BUR5M INOX	5pcs INOX CUT	29155; 29161; 29176; 29180; 29186	29187
Sets	BUR5M INOX	5pcs INOX CUT	29154; 29160; 29166; 29175; 29185	28253

INOX RANGE SPEED GUIDE

MATERIAL GROUPS	N/mm2	B.S	EN	DIN
Free Machining	<850	303 S21, 416 S37	EN56 EN60	X100CrNiS189; X12CrMoS17
Austenitic	<850	304 S15, 321 S17, 316S, 320 S12	EN80, EN58+C EN58J, 316	X5CrNi189; X10CrNiMoTi1810
Ferritic; Austenitic & Martensitic	<1000	317 S16, 316 S16	EB58 b,e,j,t Duplex alloys	XbCrNiMo275; X4CrNiMoN6257

INOX	Burr Head Ø	Maximum Operating Speed	Speed Range	Suggested Air Tools
	3mm (1/8")	100,000	60,000 - 80,000	SP75R / ST100
	6mm (1/4")	65,000	30,000 - 45,000	SD45LR / S50
	10mm (3/8")	55,000	19,000 - 30,000	SD30LR / SD37LR
	12mm (1/2")	35,000	15,000 - 22,000	SMD25LR-CA / SM25LR-CA

Recommended speeds are based on standard shank length of 45mm max overhang of 10mm

Front & Rear Exhaust options available for certain models. Refer to ATA Air Tool catalogue.

NOTES

EXCELLEDGE



Wear Eye Protection!



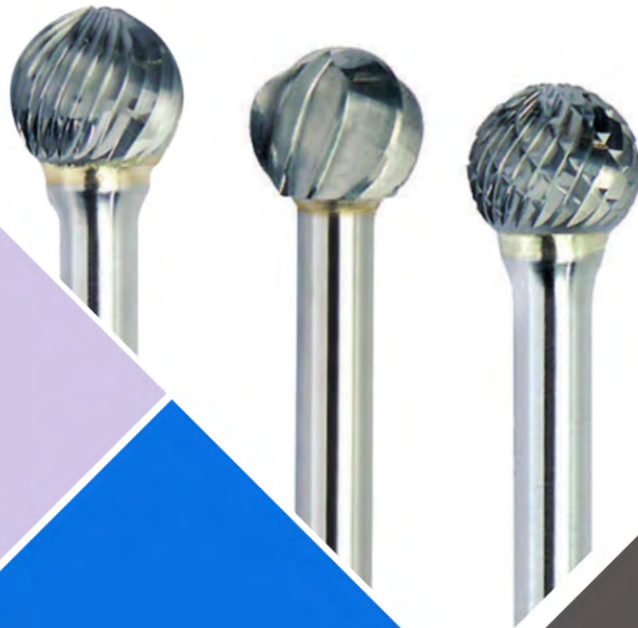
Wear Hearing Protection!



Observe the recommended rotational speed, especially when using burs with long shanks!



Wear Protective Gloves



Steel Range



STEEL RANGE

Steel Range has a specially designed geometry to suit growing market demands for steel and cast steel applications. This is a cost effective alternative to standard solutions due a greater rate of stock removal.

Features & Benefits

- Specifically developed geometry - Increasing machining output on Steel components compared to cuts 2; 5 & 6
- Aggressive cutting form - producing large chips with increased stock removal
- Specifically engineered steel cutting geometry - generating lower heat at cutting edge
- CNC Machined - high consistent quality
- Combination of ATA air tool with Steel cut geometry - gives a guaranteed smoother grinding operation
- Manufactured to strict quality control standards - Incorporates 100% inspection of brazed joints



EXCELLEDGE



Wear Eye Protection!



Wear Hearing Protection!



Observe the recommended rotational speed, especially when using burs with long shanks!

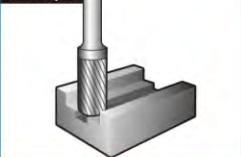


Wear Protective Gloves

A Shape



B Shape



C Shape



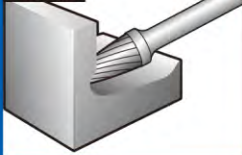
D Shape



E Shape



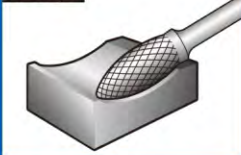
F Shape



G Shape



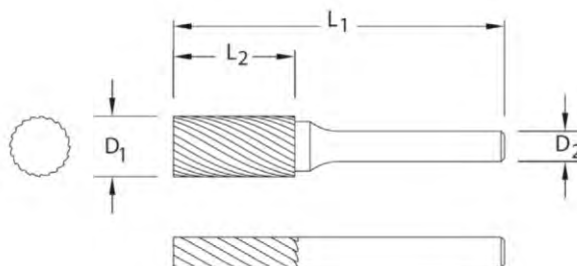
H Shape



L Shape



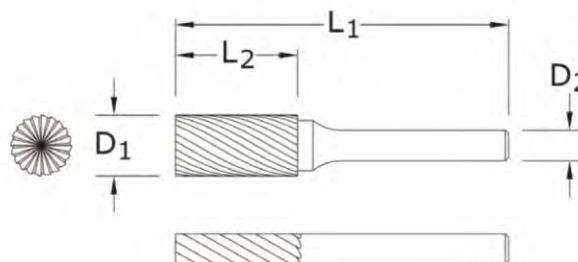
STEEL RANGE A, ZYA, SA



Steel A, ZYA, SA - Cylinder without Endcut

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Steel Part No.
SA-1M	6.0	18.0	6.0	50.0	29350
SA-2M	8.0	19.0	6.0	64.0	29351
SA-3M	9.6	19.0	6.0	64.0	29352
SA-5M	12.7	25.0	6.0	70.0	29353

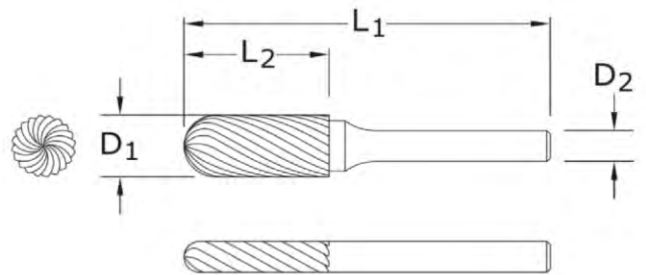
STEEL RANGE B, ZYAS, SB



Steel B, ZYAS, SB - Cylinder with Endcut

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Steel Part No.
SB-1M	6.0	18.0	6.0	50.0	29354
SB-2M	8.0	19.0	6.0	64.0	29355
SB-3M	9.6	19.0	6.0	64.0	29356
SB-5M	12.7	25.0	6.0	70.0	29357

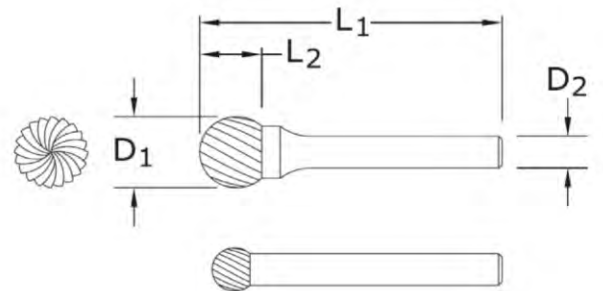
STEEL RANGE C, WRC, SC



Steel C, WRC, SC - Ball Nosed Cylinder

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Steel Part No.
SC-1M	6.0	18.0	6.0	50.0	29362
SC-2M	8.0	19.0	6.0	64.0	29363
SC-3M	9.6	19.0	6.0	64.0	29364
SC-5M	12.7	25.0	6.0	70.0	29365

STEEL RANGE D, KUD, SD

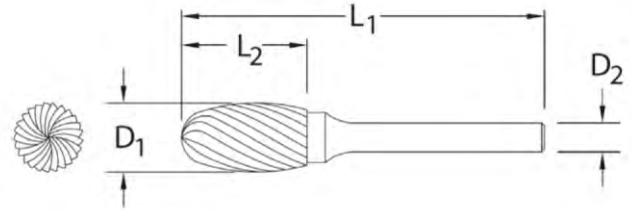


Steel D, KUD, SD - Ball Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Steel Part No.
SD-1M	6.0	4.7	6.0	50.0	29358
SD-2M	8.0	6.0	6.0	52.0	29359
SD-3M	9.6	8.0	6.0	54.0	29360
SD-5M	12.7	11.0	6.0	56.0	29361



STEEL RANGE E, TRE, SE

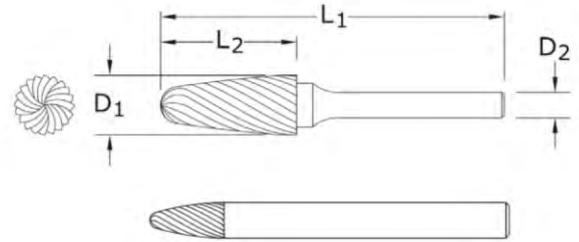


STEEL

Steel E, TRE, SE - Oval Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Steel Part No.
SE-5M	12.7	22.0	6.0	67.0	29379

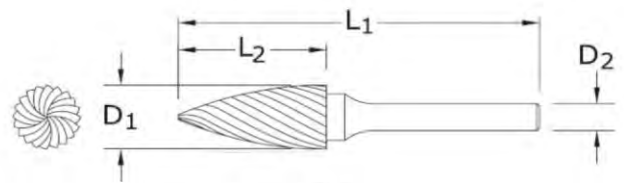
STEEL RANGE F, RBF, SF



Steel F, RBF, SF - Ball Nosed Tree Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Steel Part No.
SF-1M	6.0	18.0	6.0	50.0	29375
SF-2M	8.0	20.0	6.0	65.0	29376
SF-3M	9.6	19.0	6.0	64.0	29377
SF-5M	12.7	25.0	6.0	70.0	29378

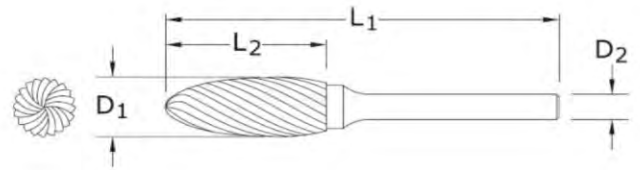
STEEL RANGE G, SPG, SG



Steel G, SPG, SG - Point Tree Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Steel Part No.
SG-1M	6.0	18.0	6.0	50.0	29366
SG-2M	8.0	19.0	6.0	64.0	29367
SG-3M	9.6	19.0	6.0	64.0	29368
SG-5M	12.7	25.0	6.0	70.0	29369

STEEL RANGE H, SH

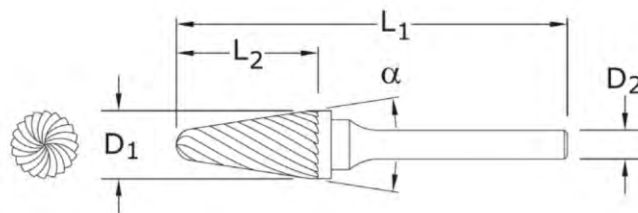


Steel H, SH - Flame Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Cut - Steel Part No.
SH-2M	8.0	19.0	6.0	64.0	29370
SH-5M	12.7	32.0	6.0	77.0	29371



STEEL RANGE L, KEL, SL



STEEL L, KEL, SL - Ball Nosed Cone Shape

Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle	Cut - Steel Part No.
-	10.0	20.0	6.0	65.0	14°	29372
SL-3M	9.6	30.0	6.0	76.0	14°	29373
SL-4M	12.7	32.0	6.0	77.0	14°	29374

STEEL RANGE SETS

Features & Benefits - Steel Set

FEATURES

Compact
Versatile assortment

BENEFITS

Easy to carry
Ideal for demonstrations, samplings or special promotions



Line	Description Type	Type	Contents	Cut - Steel Part No.
Sets	BUR5M STEEL	5pcs STEEL CUT	29357; 29365; 29378; 29369; 29374	29380
Sets	BUR5M STEEL	5pcs STEEL CUT	29356; 29364; 29360; 29377; 29373	28252

STEEL RANGE SPEED GUIDE

STEEL CONDITION	N/mm2	Material Types
Non Hardened or treated Steel	<1200	Construction steels; Structural steels; Carbon steels, Tool steels
Hardened or treated Steel	>1200	Alloy steel; Hardened and Tempered steel

STEEL	Burr Head Ø	Maximum Operating Speed	Speed Range	Suggested Air Tools
	3mm (1/8")	100,000	60,000 - 80,000	SP75R / ST100
	6mm (1/4")	65,000	45,000 - 60,000	SD45LR / S50
	10mm (3/8")	55,000	30,000 - 40,000	SD30LR / SD37LR
	12mm (1/2")	35,000	22,000 - 30,000	SMD25LR-CA / SM25LR-CA

Recommended speeds are based on standard shank length of 45mm max overhang of 10mm

Front & Rear Exhaust options available for certain models. Refer to ATA Air Tool catalogue.



NOTES

EXCELLEDGE



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