

sgspro



New Product Catalog

www.atagroup.co





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INTRODUCTION

As one of the world's most technologically advanced bur manufacturing companies, ATA offers bur configurations for every imaginable ferrous or non ferrous application for efficient stock removal and excellent surface finish. With a state-of-the-art, climate controlled manufacturing facility, SGSPRO burs are the most widely used burs in the world serving a variety of industries, materials and applications.

Industry optimized solutions for better results

We answer your most difficult challenges in demanding environments.

For over 50 years, we have supplied industries with high quality tungsten carbide burs. Using this experience, we have developed a wealth of products designed to meet your application requirements and to exceed your expectations.

TRANSPORT: AUTOMOTIVE, AEROSPACE, RAILWAY, MARINE.

Industry requires deburring tools that can handle the complexity of work piece configurations and deliver accuracy required for tight tolerance applications. SGSPRO burs are precisely ground on multi-axis CNC grinding machines offering unparalleled performance meeting the demands of challenging materials, including carbon steels, hardened steels, tool steels, stainless steels, and aluminum. Ideal for applications such as Chamfering, Creating a Radius, Weld Removal and Blending, Bevelling and Repair. **Automotive** machining means high production and cost control without sacrificing quality. The durability of SGSPRO burs can be seen within automotive manufacturing or aftermarket service repair. Ideal for applications such as Flash Removal, Chamfering, Weld Removal and Blending, Bevelling, Aftermarket Repair.

METAL FABRICATION: MOLD & DIE, FOUNDRIES, MEDICAL DEVICES.

Castings & Foundry work requires safe, effective, and consistent performance when it comes to approaching high-strength and heat-resistant materials. ATA is an ISO Certified Company, utilizing rigorous quality control measures throughout the manufacturing process. Our quality burs are ideal for cast materials, including iron, steel, copper-based alloys, aluminium based alloys, exotic alloys, titanium alloys. Ideal for applications such as Parting Line Removal, Fin Removal, Finishing of Casting Risers and Flash Removal.

ENERGY: POWER GENERATION, OIL & GAS, WIND TURBINE

Power Generation requires tooling specifically developed for efficient and economical removal of difficult to machine materials. SGSPRO burs maintain superior tool life and control achieved through engineered geometry and consistent braze. Bur construction is torque measured to ensure braze strength and durability. Ideal for applications such as Turbine Manufacturing and Repair.





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 optimize 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 focus 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

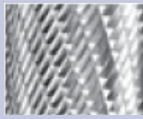



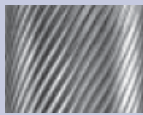
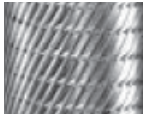

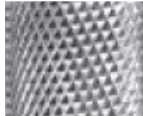
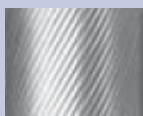
We want to create outstanding benefit for our customers and, therefore, quality management is part of our company culture. We not only test and measure quality, but we live it. Quality checks are carried out throughout the manufacturing process.

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)	
Medium stock removal - deburring, milling, cleaning, finishing.	Composite, Carbon Fibreglass	FGR - (FGR)	
Light stock removal - fine deburring, fine finishing	Ferrous metals Fibreglass Hardened steel >45HRc High temperature-resistant metals: nickel, cobalt.	Diamond Cut - CUT 4 (DIA)	
Light stock removal - fine deburring, fine finishing	Hardened steel >45HRc	Fine Cut - CUT 5 (F/C)	

Ordering Information

t: +1 330-928-7744
f: +1 330-849-2977

For more information and / or to place an order, please contact ATA Customer Service at +1 330-928-7744 or by email sales@atatools.com

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ATA Tools Inc., 238 Marc Drive
Cuyahoga Falls, Ohio 44223



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								
Hardened steel >45HRc		Omega Cut 3/3SP/5/6							
Non hardened steel <45HRc				Omega CUT 3 - 3SP - 6					
High temperature-resistant materials	Omega 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		
Fibreglass							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

Please note that all cuts available are not displayed in this product catalogue. Please contact ATA Customer Service to discuss your specific requirements.

SGSPRO BUR SHAPES



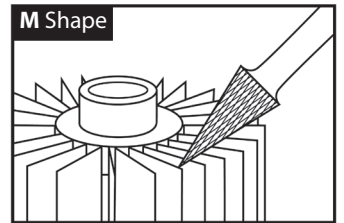
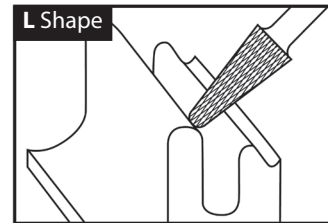
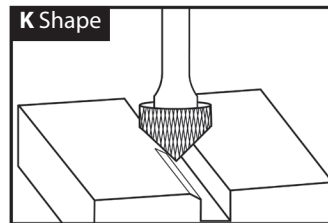
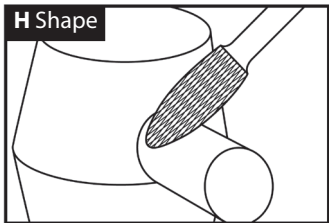
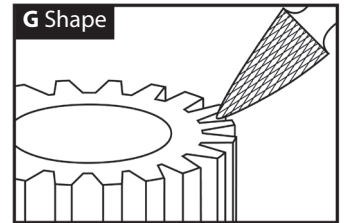
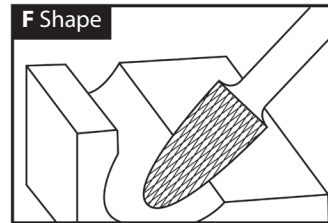
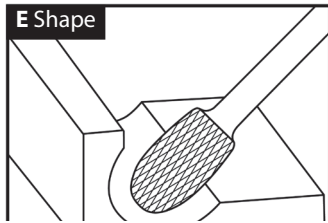
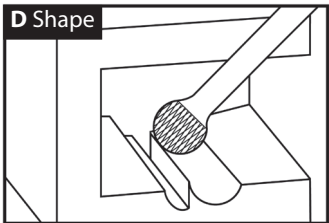
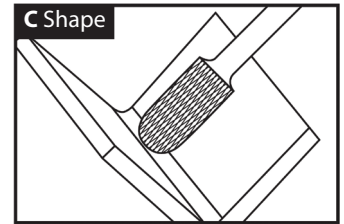
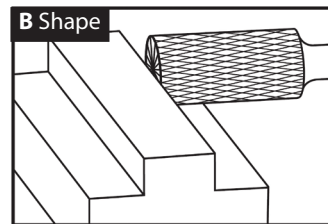
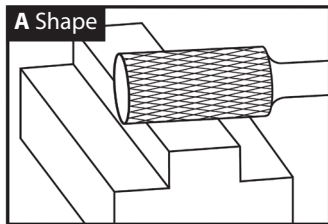
SGSPRO tungsten carbide burs are manufactured in compliance with the highest standards. Our comprehensive product portfolio offers a broad range of reliable and market-proven solutions for every application. Our know-how and expertise allow us to continuously improve our offering to provide outstanding 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. For more information and / or to place an order, please contact ATA Customer Service at +1 330-928-7744 or by email sales@atatools.com.

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.





- State-of-the-art technologies
- Designed by ATA Burs Expert Team
- Bringing added value to your process

INNOVATION RANGE

Features & Benefits - RADIUS LINE

FEATURES

Unique guide system
Multi-application
Unique curve

BENEFITS

Easy control
Reduce downtime
Creates smooth radius

Radius Burs

Line	Description	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut (D/C 6) EDP No.
Radius Burs	SA-5RA D/C BUR	1/2"	1"	1/4"	2-3/4"	11755
Radius Burs	SB-5RA D/C BUR	1/2"	1"	1/4"	2-3/4"	11756
Radius Burs	SC-5RA C BUR	1/2"	1"	1/4"	2-3/4"	11757
Radius Burs	SC-5RA C BUR	1/2"	1"	1/4"	2-3/4"	11758
Radius Burs	SC-5RA D/C BUR	1/2"	1"	1/4"	2-3/4"	11759
Radius Burs	SF-5RA D/C BUR	1/2"	1-1/4"	1/4"	3-1/4"	11760
Radius Burs	SG-5RA D/C BUR	1/2"	1-1/4"	1/4"	3-1/4"	11761
Radius Burs	SJ-5RA D/C BUR	1/2"	1-1/4"	1/4"	3"	11762
Radius Burs	SK-5RA D/C BUR	1/2"	1-1/8"	1/4"	3"	11763
Radius Burs	SL-5RA D/C BUR	1/2"	1-1/4"	1/4"	3-1/4"	11764



Recommended Air Tools

FEATURES

Heavy Duty & Access

TOOL

Die Grinders

Features & Benefits - COMBI LINE

FEATURES

Special tooth geometry
All-in-One shapes
High carbide quality

BENEFITS

Better performance
Suit complex application
Consistent performance

Combi Burs

Line	Description	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut (D/C 6) EDP No.
Combi Burs	SA-5CO D/C BUR	1/2"	1"	1/4"	2-3/4"	15855
Combi Burs	SB-5CO D/C BUR	1/2"	1"	1/4"	2-3/4"	15856
Combi Burs	SD-5CO C BUR	1/2"	3/4"	1/4"	2-1/2"	15857
Combi Burs	SD-5CO D/C BUR	1/2"	3/4"	1/4"	2-1/2"	15858
Combi Burs	SF-5CO D/C BUR	1/2"	1-1/4"	1/4"	3"	15859
Combi Burs	SG-5CO D/C BUR	1/2"	1-1/4"	1/4"	3"	15860
Combi Burs	SJA-5CO D/C BUR	1/2"	1"	1/4"	2-3/4"	15861
Combi Burs	SJN-5CO D/C BUR	1/2"	7/8"	1/4"	2-3/4"	15862
Combi Burs	SKA-5CO D/C BUR	1/2"	1"	1/4"	2-3/4"	15863
Combi Burs	SNA-5CO D/C BUR	1/2"	3/4"	1/4"	2-1/2"	15864
Combi Burs	SK-6CO C BUR	5/8"	5/8"	1/4"	2-3/8"	15865
Combi Burs	SL-5CO D/C BUR	1/2"	1-1/4"	1/4"	3"	15866
Combi Burs	SM-5CO D/C BUR	1/2"	1-1/4"	1/4"	3-1/4"	15867
Combi Burs	SN-5CO D/C BUR	1/2"	1"	1/4"	2-3/4"	15868



Recommended Air Tools

FEATURES

Versatile application

TOOL

Die Grinders



Ordering Information

For more information and / or to place an order, please contact
ATA Customer Service at +1 330-928-7744 or by email sales@atatools.com

Features & Benefits - CORNER RADIUS

FEATURES

Top radius
 Corner Radius
 Stronger design

BENEFITS

Flute strength
 Prevents from digging
 Reduces flute chipping

Corner Radius

Line	Description	Cutting Diameter D1	Shank Diameter D2	Length of Cut L2	Overall Length L1	Double Cut (D/C 6) EDP No.
Corner Radius	SA-43CR D/C BUR	1/8"	1/8"	9/16"	1-1/4"	10155
Corner Radius	SA-1CR D/C BUR	1/4"	1/4"	3/4"	2"	10156
Corner Radius	SA-2CR D/C BUR	5/16"	1/4"	3/4"	2-1/2"	10157
Corner Radius	SA-3CR D/C BUR	3/8"	1/4"	3/4"	2-1/2"	10158
Corner Radius	SA-5CR D/C BUR	1/2"	1/4"	1"	2-3/4"	10159
Corner Radius	SA-6CR D/C BUR	5/8"	1/4"	1"	2-3/4"	10160



Recommended Air Tools

FEATURES

Better control

TOOL

Die Grinders

Ordering Information

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FLEXBUR

Features & Benefits - FLEX BURS

FEATURES

Guide system
Flexible shafts

BENEFITS

Easy access

The FLEXBUR is designed to effectively remove material in difficult to reach component features that simply cannot be addressed by a solid shank bur. The FLEXBUR is ideal for managing complex deburring operations found in many challenging castings such as impellers, pump casings, turbine blade assemblies and engine blocks. Excellent for the cleaning of burnt sand, welds, fins, and various blending operations. Due to the wide variety of unique solutions the FLEXBUR can provide, each tool is customized to your application demands in 3 easy steps:

- 1) Define the tool using the form below and please fax back to ATA Tools Inc. on +1 330-849-2977, or send by email at sales@atatools.com or call us +1 330-928-7744.
- 2) SGSPRO provides a complete quotation for your product within 1 business day.

The FLEXBUR is manufactured on state of the art CNC equipment in the most technologically advanced bur manufacturing facility in the world.

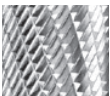







REACH AROUND BENDS WITH A FLEXIBLE SHANK

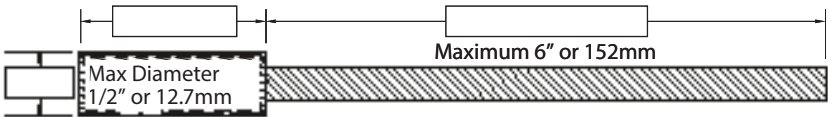
- Available in a variety of fractional and metric shank diameters
- Available with a variety of cut styles and flute configurations in the most popular bur shapes up to 1/2" in diameter
- Able to accommodate a wide range of angles and can be used in conjunction with a rigid sleeve during operation.

APPLICATION INFORMATION (REQUIRED INFORMATION)

STEP 1: TOOL USE	STEP 2: MATERIAL	STEP 3: OPERATING SPEED
<input type="checkbox"/> Hand Device <input type="checkbox"/> Machine	Material Type <input type="text"/> Hardness <input type="text"/>	Maximum RPM (Revolutions Per Minute) <input type="text"/>

FLEXIBLE SHANK BUR DESIGN

STEP 4: FLUTING AND CUT STYLE OPTIONS	STEP 5: BUR SHAPE (RHS/RHC ONLY)
<input type="checkbox"/>  Standard with Double Cut <input type="checkbox"/>  Coarse with Deep Double Cut	<input type="checkbox"/>  SA/SB <input type="checkbox"/>  SF <input type="checkbox"/>  SE <input type="checkbox"/>  SD <input type="checkbox"/>  SC <input type="checkbox"/>  SL

STEP 6: SHANK SIZE	STEP 7: DEFINE BUR DIMENSIONS
FRACTIONAL SHANK OPTIONS <input type="checkbox"/> 1/4" <input type="checkbox"/> 5/16" <input type="checkbox"/> 3/8" METRIC SHANK OPTIONS <input type="checkbox"/> 6mm <input type="checkbox"/> 8mm <input type="checkbox"/> 10mm	<input type="checkbox"/> Inch Dimensions <input type="checkbox"/> Metric Dimensions 
ACTUAL SHANK SIZE AND TOLERANCE WILL BE CONFIRMED WHEN QUOTED	

ALL STEPS MUST BE COMPLETED ON FORM TO PROVIDE A QUOTE. TOOLS WILL BE MANUFACTURED TO SGSPRO STANDARD BUR TOLERANCES.

SAFETY The use of eye, face, and ear protection is strongly recommended. Burs with shanks longer than 1-3/4" should be used at 50% of the normal speed. Flexible shank burs are only recommended for use in well maintained equipment and used with extra caution. Stabilize flexible shank burs prior to starting the grinder. When bur performance reaches an unacceptable level discontinue use. Excessive use of bur may result in failure that could cause injury. Any false or misrepresented information provided on this form releases the manufacturer from liability for any damage or injury that may result from the product provided.



Features & Benefits - NEW SETS

FEATURES

Compact
Versatile assortment

BENEFITS

Easy to carry
Ideal for demonstration, samplings or special promotions

Innovation Sets

Line	Description	Type	Contents	Double Cut (D/C 6) EDP No.
Sets	BUR5RA	5pcs Chamfer	SB-5RA/SC-5RA/SF-5RA/SK-5RA/SK-6CO	18220
Sets	BUR10RA	10pcs Radius	SA-5RA/SB-5RA/SC-5RA/SF-5RA/SG-5RA/SJ-5RA/SK-5RA/SL-5RA	18225
Sets	BUR5CO	5pcs Combi	SD-5CO/SJA-5CO/SNA-5CO/SK-6CO/SN-5CO	18230
Sets	BUR10CO	10pcs Combi	SB-5CO/SD-5CO/SF-5CO/SG-5CO/SJN-5CO/SKA-5CO/SNA-5CO/SL-5CO/SM-5CO/SN-5CO	18235
Sets	BUR6CR	6pcs Corner Radius	SA-43CR/SA-1CR/SA-2CR/SA-3CR/SA-5CR/SA-6CR	18240
Sets	DEMOBUR5	5pcs Demo	SC-5RA/SD-5CO/SA-1CR/SA-3CR/SA-5CR	18250



Ordering Information

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- For your most challenging applications and materials
- Dedicated to specific industries, such as Aerospace and Marine
- Maximize your productivity

PERFORMANCE RANGE

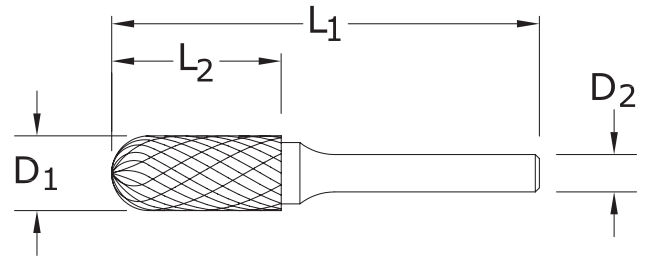
PERFORMANCE Omega



Features & Benefits - OMEGA - DDC

FEATURES & BENEFITS

- Enhanced geometry and deep flute configuration for increased tooth strength
- Longer tool life vs. conventional burs
- Maximum stock removal
- Improved productivity and cost savings



Omega

Series	Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Uncoated EDP No.	Ti-NAMITE-A (AlTiN) EDP No.
SA	SA-3 DDC	3/8	3/4	1/4	2 1/2	10269	10304
SA	SA-3L6 DDC	3/8	3/4	1/4	6 3/4	10329	10354
SA	SA-5 DDC	1/2	1	1/4	2 3/4	10270	10305
SA	SA-5L6 DDC	1/2	1	1/4	7	10337	10355
SA	SA-5 3/8 DDC	1/2	1	3/8	3	10271	10306
SB	SB-3 DDC	3/8	3/4	1/4	2 1/2	10272	10307
SB	SB-5 DDC	1/2	1	1/4	2 3/4	10273	10308
SB	SB-5 3/8 DDC	1/2	1	3/8	3	10274	10309
SC	SC-3 DDC	3/8	3/4	1/4	2 1/2	10275	10310
SC	SC-3L6 DDC	3/8	3/4	1/4	6 3/4	10338	10356
SC	SC-5 DDC	1/2	1	1/4	2 3/4	10276	10311
SC	SC-5L6 DDC	1/2	1	1/4	7	10339	10357
SC	SC-5 3/8 DDC	1/2	1	3/8	2 3/4	10277	10312
SC	SC-6 3/8 DDC	5/8	1	3/8	3	10278	10313
SD	SD-3 DDC	3/8	5/16	1/4	2 1/16	10279	10314
SD	SD-3L6 DDC	3/8	5/16	1/4	6 5/16	10340	10358
SD	SD-5 DDC	1/2	7/16	1/4	2 3/16	10280	10315
SD	SD-5L6 DDC	1/2	7/16	1/4	6 7/16	10341	10359
SD	SD-5 3/8 DDC	1/2	7/16	3/8	2 1/2	10281	10316
SE	SE-3 DDC	3/8	5/8	1/4	2 3/8	10282	10317



Recommended Air Tools

FEATURES

Heavy Duty & Access

TOOL

Die Grinders



Omega

Series	Tool No.	Cutting Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Uncoated EDP No.	Ti-NAMITE-A (AITIN) EDP No.
SE	SE-3L6 DDC	3/8	5/8	1/4	6-5/8	10342	10360
SE	SE-5 DDC	1/2	7/8	1/4	2-9/16	10283	10318
SE	SE-5L6 DDC	1/2	7/8	1/4	6-7/8	10343	10361
SE	SE-5 3/8 DDC	1/2	7/8	3/8	2-7/8	10284	10319
SF	SF-3 DDC	3/8	3/4	1/4	2-1/2	10285	10320
SF	SF-3L6 DDC	3/8	3/4	1/4	6-3/4	10344	10362
SF	SF-5 DDC	1/2	1	1/4	2-3/4	10286	10321
SF	SF-5L6 DDC	1/2	1	1/4	7	10345	10363
SF	SF-5 3/8 DDC	1/2	1	3/8	3	10287	10322
SF	SF-6 3/8 DDC	5/8	1	3/8	3	10288	10323
SG	SG-3 DDC	3/8	3/4	1/4	2-1/2	10289	10324
SG	SG-3L6 DDC	3/8	3/4	1/4	6-3/4	10346	10364
SG	SG-5 DDC	1/2	1	1/4	2-3/4	10290	10325
SG	SG-5L6 DDC	1/2	1	1/4	7	10347	10365
SG	SG-5 3/8 DDC	1/2	1	3/8	3	10291	10326
SG	SG-6 3/8 DDC	5/8	1	3/8	3	10292	10327
SH	SH-5 DDC	1/2	1 1/4	1/4	3	10293	10330
SH	SH-5L6 DDC	1/2	1 1/4	1/4	7-1/4	10348	10366
SH	SH-5 3/8 DDC	1/2	1 1/4	3/8	3-1/4	10294	10331
SL	SL-3 DDC	3/8	1 1/16	1/4	3	10295	10332
SL	SL-3L6 DDC	3/8	1 1/16	1/4	7-1/16	10349	10367
SL	SL-4 DDC	1/2	1 1/8	1/4	3	10296	10333
SL	SL-4L6 DDC	1/2	1 1/8	1/4	7-1/8	10351	10368
SL	SL-4 3/8 DDC	1/2	1 1/8	3/8	3	10297	10334
SM	SM-5 DDC	1/2	7/8	1/4	2-3/4	10298	10335
SM	SM-5 3/8 DDC	1/2	7/8	3/8	3	10299	10336

PERFORMANCE G2000

Features & Benefits - G2000

FEATURES

Design for aerospace

Good finish & high stock removal

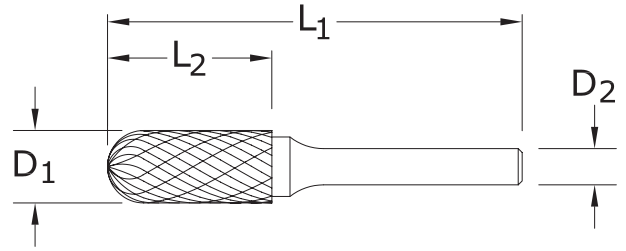
Specific rake angle

BENEFITS

Outperform standard cuts in complex alloys

Respond to complex application

Suitable for very hard material and increase life while keeping sharpness



G2000

Tool No.	Cutter Diameter D1	Length of Cut L2	Overall Length L1	Shank Diameter D2	Uncoated EDP No.	Ti-NAMITE-A (AITIN) EDP No.
Cylinder						
SA-43G D/C	1/8	9/16	1-1/2	1/8	19200	19240
SA-51G D/C	1/4	1/2	2	1/8	19201	19241
SA-3G D/C	3/8	3/4	2-1/2	1/4	19203	19243
SA-5G D/C	1/2	1	2-3/4	1/4	19204	19244
SA-51G D/C E/C	1/4	1/2	2	1/8	19202	19242
Cylinder with End Cut						
SB-43G D/C	1/8	9/16	1-1/2	1/8	19205	19245
Cylinder Shape with Radius End						
SC-41G D/C	3/32	7/16	1-1/2	1/8	19206	19246
SC-42G D/C	1/8	9/16	1-1/2	1/8	19207	19247
SC-42GL2 D/C	1/8	9/16	2	1/8	19208	19248
SC-42GL3 D/C	1/8	9/16	3	1/8	19209	19249
SC-51G D/C	1/4	1/2	2	1/8	19210	19250
SC-3G D/C	3/8	3/4	2-1/2	1/4	19211	19251
SC-5G D/C	1/2	1	2-3/4	1/4	19212	19252
Ball Shape						
SD-42G D/C	1/8	3/32	1-1/2	1/8	19213	19253
SD-51G D/C	1/4	7/32	1-3/4	1/8	19214	19254
SD-3G D/C	3/8	5/16	2-1/16	1/4	19215	19255
SD-5G D/C	1/2	7/16	2-3/16	1/4	19216	19256



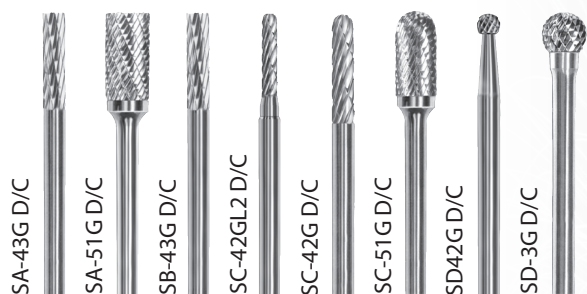
Recommended Air Tools

FEATURES

Deburring to finishing

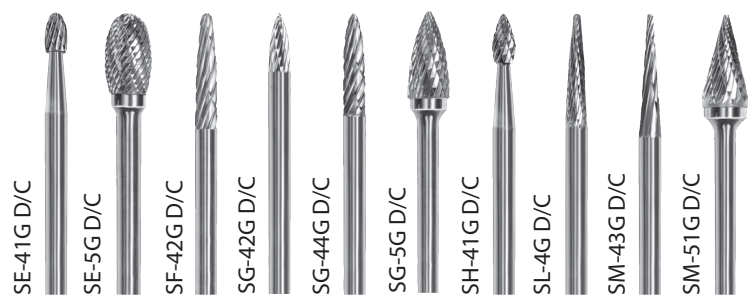
TOOL

Die Grinders



G2000

Tool No.	Cutter Diameter D1	Length of Cut L2	Overall Length L1	Shank Diameter D2	Uncoated EDP No.	Ti-NAMITE-A (AlTiN) EDP No.
Oval Shape						
SE-41G D/C	1/8	7/32	1-1/2	1/8	19217	19257
SE-51G D/C	1/4	3/8	1-7/8	1/8	19218	19258
SE-3G D/C	3/8	5/8	2-3/8	1/4	19219	19259
SE-5G D/C	1/2	7/8	2-5/8	1/4	19220	19260
Tree Shape with Radius End						
SF-42G D/C	1/8	1/2	1-1/2	1/8	19221	19261
SF-42GL2 D/C	1/8	1/2	2	1/8	19222	19262
SF-51G D/C	1/4	1/2	2	1/8	19223	19263
SF-3G D/C	3/8	3/4	2-1/2	1/4	19224	19264
SF-5G D/C	1/2	1	2-3/4	1/4	19225	19265
Tree Shape with Pointed End						
SG-42G D/C	1/8	5/16	1-1/2	1/8	19226	19266
SG-44G D/C	1/8	1/2	1-1/2	1/8	19227	19267
SG-51G D/C	1/4	1/2	2	1/8	19228	19268
SG-3G D/C	3/8	3/4	2-1/2	1/4	19229	19269
SG-5G D/C	1/2	1	2-3/4	1/4	19230	19270
Flame Shape						
SH-41G D/C	1/8	1/4	1-1/2	1/8	19231	19271
SH-5G D/C	1/2	1-1/4	3	1/4	19232	19272
Taper with Radius End						
SL-4G D/C	1/2	1-1/8	3	1/4	19233	19273
Cone Shape						
SM-42G D/C	1/8	7/16	1-1/2	1/8	19234	19274
SM-43G D/C	1/8	5/8	1-1/2	1/8	19235	19275
SM-51G D/C	1/4	1/2	2-1/8	1/8	19236	19276
SM-5G D/C	1/2	7/8	2-3/4	1/4	19237	19277



PERFORMANCE Mold & Die

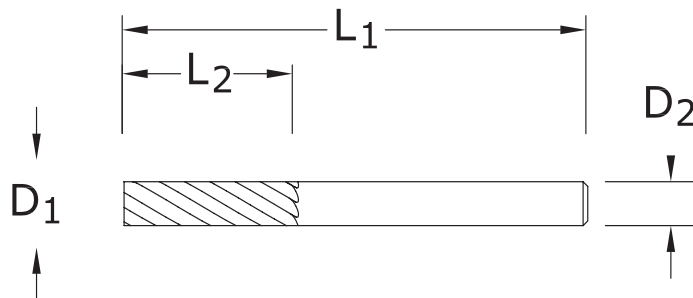
Features & Benefits - MOLD & DIE

FEATURES

- Special range
- Good finish and high stock removal
- Specific rake angle

BENEFITS

- Best solution for mold specialists
- Respond to complex application
- Ideal for hard materials



Mold & Die

Tool No.	Cutting Diameter D1	Length of Cut L2	Overall Length L1	Shank Diameter D2	Included Angle A	Double Cut 6 EDP No.	Single Cut 3 EDP No.
SA-41	1/16	1/4	1-1/2	1/8	-	10603	10600
SA-41L2	1/16	1/4	2	1/8	-	17103	17100
SA-41L3	1/16	1/4	3	1/8	-	17128	17125
SA-42	3/32	7/16	1-1/2	1/8	-	10628	10625
SA-42L2	3/32	7/16	2	1/8	-	17153	17150
SA-42L3	3/32	7/16	3	1/8	-	17178	17175
SA-43	1/8	9/16	1-1/2	1/8	-	10653	10650
SA-43L2	1/8	9/16	2	1/8	-	17203	17200
SA-43L3	1/8	9/16	3	1/8	-	17228	17225
SB-41	1/16	1/4	1-1/2	1/8	-	11453	11450
SB-41L2	1/16	1/4	2	1/8	-	17253	17250
SB-41L3	1/16	1/4	3	1/8	-	17278	17275
SB-42	3/32	7/16	1-1/2	1/8	-	11478	11475
SB-42L2	3/32	7/16	2	1/8	-	17303	17300
SB-42L3	3/32	7/16	3	1/8	-	17328	17325



Recommended Air Tools

FEATURES

Deburring to finishing

TOOL

Die Grinders



Mold & Die

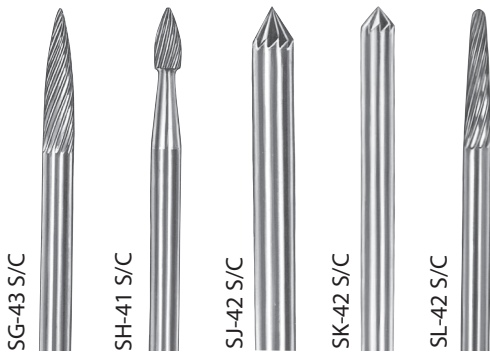
Tool No.	Cutting Diameter D1	Length of Cut L2	Overall Length L1	Shank Diameter D2	Included Angle A	Double Cut 6 EDP No.	Single Cut 3 EDP No.
SB-ECO	1/8	–	1-1/2	1/8	–	–	11525
SB-43	1/8	9/16	1-1/2	1/8	–	11503	11500
SB-43L2	1/8	9/16	2	1/8	–	17353	17350
SB-43L3	1/8	9/16	3	1/8	–	17378	17375
SC-41	3/32	7/16	1-1/2	1/8	–	12253	12250
SC-42	1/8	9/16	1-1/2	1/8	–	12278	12275
SC-42L2	1/8	9/16	2	1/8	–	17453	17450
SC-42L3	1/8	9/16	3	1/8	–	17478	17475
SD-41	3/32	3/32	1-1/2	1/8	–	12778	12775
SD-42	1/8	1/8	1-1/2	1/8	–	12803	12800
SD-42L2	1/8	1/8	2	1/8	–	17553	17550
SD-42L3	1/8	1/8	3	1/8	–	17578	17575
SE-41	1/8	7/32	1-1/2	1/8	–	13153	13150
SE-41L2	1/8	7/32	2	1/8	–	17603	17600
SE-41L3	1/8	7/32	3	1/8	–	17628	17625

PERFORMANCE Mold & Die



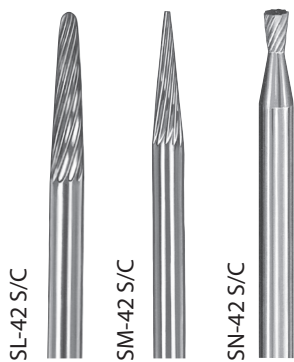
Mold & Die

Tool No.	Cutting Diameter D1	Length of Cut L2	Overall Length L1	Shank Diameter D2	Included Angle A	Double Cut 6 EDP No.	Single Cut 3 EDP No.
SF-41	1/8	1/4	1-1/2	1/8	–	13678	13675
SF-42	1/8	1/2	1-1/2	1/8	–	13703	13700
SF-42L2	1/8	1/2	2	1/8	–	17653	17650
SF-42L3	1/8	1/2	3	1/8	–	17678	17675
SG-41	1/8	1/4	1-1/2	1/8	–	14153	14150
SG-43	1/8	3/8	1-1/2	1/8	–	14203	14200
SG-44	1/8	1/2	1-1/2	1/8	–	14228	14225
SG-44L2	1/8	1/2	2	1/8	–	17853	17850
SG-44L3	1/8	1/2	3	1/8	–	17878	17875
SH-41	1/8	1/4	1-1/2	1/8	–	14553	14550
SH-41L2	1/8	1/4	2	1/8	–	17903	17900
SH-41L3	1/8	1/4	3	1/8	–	17928	17925
SJ-42	1/8	3/32	1-1/2	1/8	60°	14903	14900



Ordering Information

For more information and / or to place an order, please contact
ATA Customer Service at +1 330-928-7744 or by email sales@atatools.com



Mold & Die

Tool No.	Cutting Diameter D1	Length of Cut L2	Overall Length L1	Shank Diameter D2	Included Angle A	Double Cut 6 EDP No.	Single Cut 3 EDP No.
SK-42	1/8	1/16	1-1/2	1/8	90°	15153	15150
SL-41	1/8	3/8	1-1/2	1/8	8°	15403	15400
SL-42	1/8	1/2	1-1/2	1/8	8°	15428	15425
SL-42L2	1/8	1/2	2	1/8	8°	17953	17950
SL-42L3	1/8	1/2	3	1/8	8°	17978	17975
SM-41	1/8	11/32	1-1/2	1/8	12°	15678	15675
SM-42	1/8	7/16	1-1/2	1/8	14°	15703	15700
SM-42L2	1/8	7/16	2	1/8	14°	18053	18050
SM-42L3	1/8	7/16	3	1/8	14°	18078	18075
SM-43	1/8	5/8	1-1/2	1/8	7°	15728	15725
SN-41	3/32	1/8	1-1/2	1/8	10°	16028	16025
SN-42	1/8	3/16	1-1/2	1/8	10°	16053	16050

PERFORMANCE

Mold & Die 5

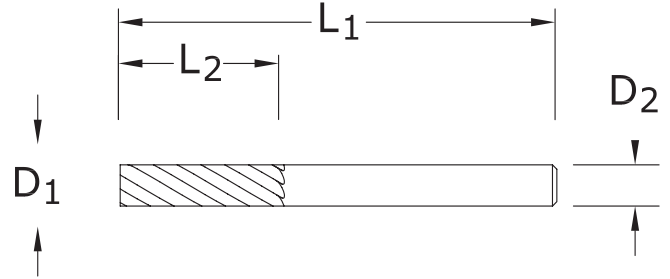
Features & Benefits - MOLD & DIE

FEATURES

Special range
Good finish and high stock removal

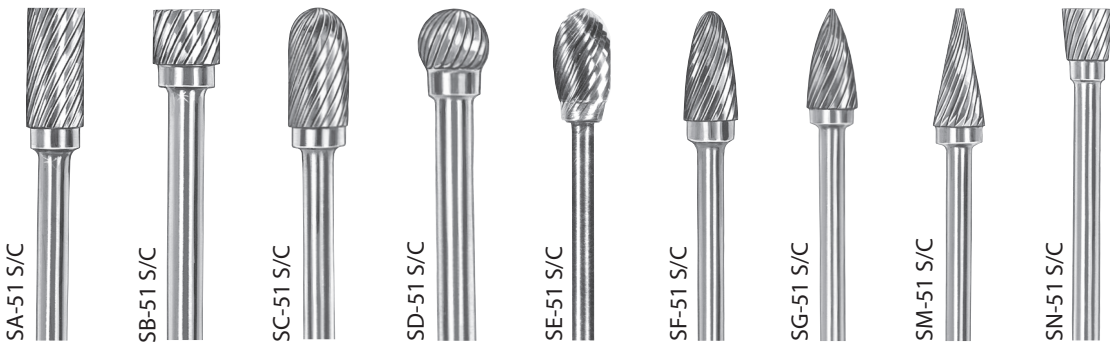
BENEFITS

Best solution for mold specialists
Unparalleled performance meeting the demands of challenging materials
Ideal for hard material



Mold & Die 5

Tool No.	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle a	Double Cut EDP No.	Single Cut EDP No.
SA-51	1/4	1/2	1/8	2	-	10678	10675
SB-51	1/4	3/16	1/8	1-3/4	-	11553	11550
SC-51	1/4	1/2	1/8	2	-	12303	12300
SD-51	1/4	7/32	1/8	1-3/4	-	12828	12825
SE-51	1/4	3/8	1/8	1-1/4	-	13178	13175
SF-51	1/4	1/2	1/8	2	-	13728	13725
SG-51	1/4	1/2	1/8	2	-	14253	14250
SM-51	1/4	1/2	1/8	2-3/32	22°	15753	15750
SN-51	1/4	1/4	1/8	1-3/4	10°	16078	16075



Recommended Air Tools

FEATURES

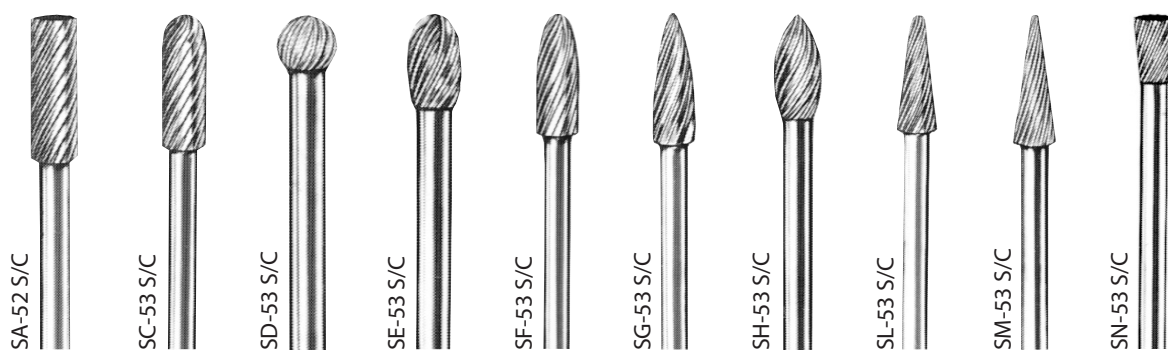
Deburring to finishing

TOOL

Die Grinders

Mold & Die 5

Tool No.	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle a	Double Cut 6 EDP No.	Single Cut 3 EDP No.
SA-52	5/32	1/2	1/8	1-1/2	–	10703	10700
SA-53	3/16	1/2	1/8	1-1/2	–	10728	10725
SC-52	5/32	1/2	1/8	1-1/2	–	12328	12325
SC-53	3/16	1/2	1/8	1-1/2	–	12353	12350
SD-52	5/32	5/32	1/8	1-1/2	–	12840	12837
SD-53	3/16	5/32	1/8	1-1/2	–	12853	12850
SE-53	3/16	9/32	1/8	1-1/2	–	13203	13200
SF-53	3/16	1/2	1/8	1-1/2	–	13753	13750
SG-53	3/16	1/2	1/8	1-1/2	–	14278	14275
SH-53	3/16	3/8	1/8	1-1/2	–	14603	14600
SL-53	3/16	1/2	1/2	1-1/2	14°	15453	15450
SM-53	3/16	1/2	1/8	1-1/2	16°	15778	15775
SN-53	3/16	1/4	1/8	1-1/2	10°	16103	16100



PERFORMANCE FGR

Features & Benefits - FIBERGLASS ROUTER - FGR

FEATURES

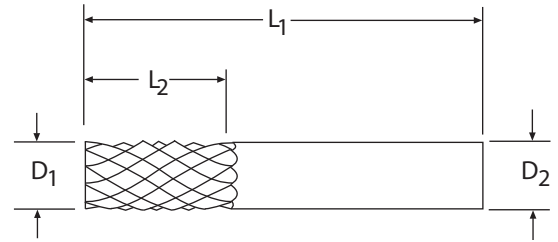
Specific cut style

BENEFITS

Best for roughing and contouring composite

Can be used with hand-held tools or CNC machines.

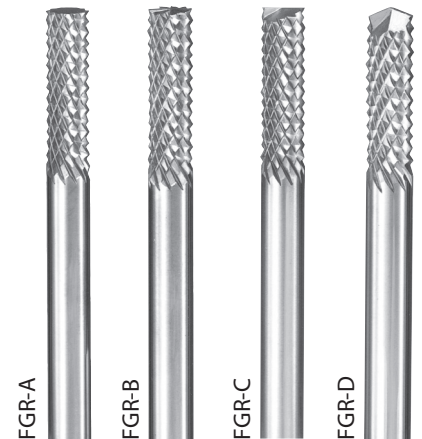
Versatile: from large fiberglass panel to small parts made of composite.



FGR								
Tool No.	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Uncoated EDP No. A	Uncoated EDP No. B	Uncoated EDP No. C	Uncoated EDP No. D
FGR-1	1/16	3/16	1/8	1-1/2	73001	73015	73030	73045
FGR 1-1	3/32	3/8	1/8	1-1/2	73002	73016	73031	73046
FGR-2	1/8	1/2	1/8	1-1/2	73003	73017	73032	73047
FGR-3	3/16	5/8	3/16	2	73004	73018	73033	73048
FGR-4	3/16	5/8	1/4	2	73005	73019	73034	73049
FGR-5	1/4	3/4	1/4	2	73006	73020	73035	73050
FGR-6	1/4	3/4	1/4	2-1/2	73007	73021	73036	73051
FGR 6-1	1/4	1	1/4	3	73008	73022	73037	73052
FGR-7	5/16	1	5/16	2-1/2	73009	73023	73038	73053
FGR-8	3/8	1	3/8	2-1/2	73010	73024	73039	73054
FGR-9	1/2	1	1/2	3	73011	73025	73040	73055

Ordering Information

For more information and / or to place an order, please contact ATA Customer Service at +1 330-928-7744 or by email sales@atataools.com



Recommended Air Tools

FEATURES

Contouring, finishing

TOOL

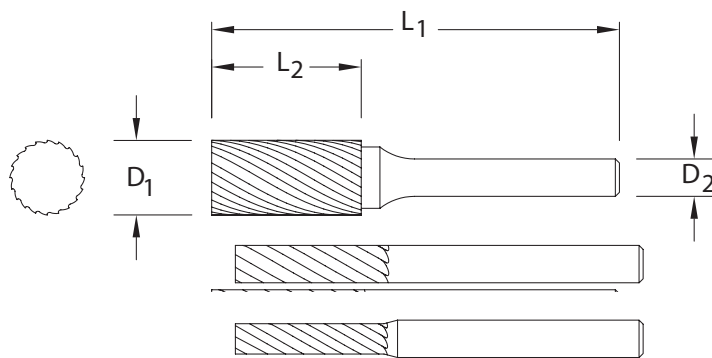
Die Grinders



- Solutions for universal applications
- High quality ensuring reliability

UNIVERSAL RANGE

UNIVERSAL SA



Universal SA- Cylinder Shape

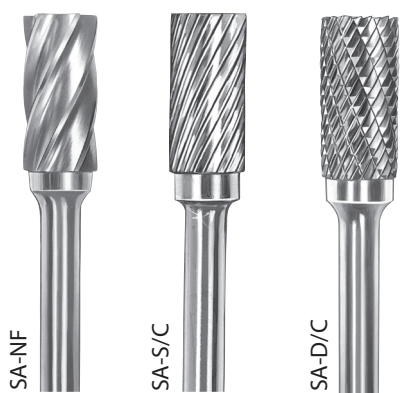
Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SA-41	1/16	1/4	1/8	1-1/2	10603	10600	-
SA-41L2	1/16	1/4	1/8	2	17103	17100	-
SA-41L3	1/16	1/4	1/8	3	17128	17125	-
SA-61	1/16	1/4	3/32	1-1/4	10753	10750	-
SA-63	3/32	3/8	3/32	1-1/4	10778	10775	-
SA-42	3/32	7/16	1/8	1-1/2	10628	10625	-
SA-42L2	3/32	7/16	1/8	2	17153	17150	-
SA-42L3	3/32	7/16	1/8	3	17178	17175	-
SA-11	1/8	1/2	1/4	2-1/4	10403	10400	-
SA-43	1/8	9/16	1/8	1-1/2	10653	10650	-
SA-43L2	1/8	9/16	1/8	2	17203	17200	-
SA-43L3	1/8	9/16	1/8	3	17228	17225	-
SA-12	1/8	5/8	1/4	2-3/8	10428	10425	-
SA-52	5/32	1/2	1/8	1-1/2	10703	10700	-
SA-13	5/32	5/8	1/4	2	10453	10450	-
SA-81	3/16	1/2	3/16	2	10803	10800	-
SA-53	3/16	1/2	1/8	1-1/2	10728	10725	-
SA-14	3/16	5/8	1/4	2	10478	10475	-
SA-51	1/4	1/2	1/8	2	10678	10675	-
SA-1	1/4	5/8	1/4	2	10003	10000	-
SA-1L	1/4	1	1/4	2	10028	10025	-
SA-1L6	1/4	5/8	1/4	6-1/2	16178	16175	-



Recommended Air Tools

FEATURES
From finishing to stock removal

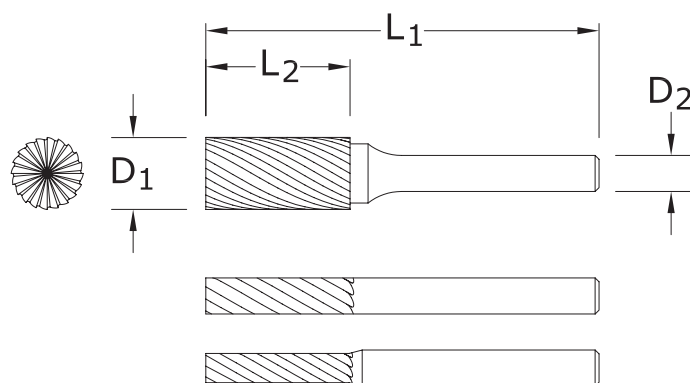
TOOL
Die Grinders



Universal SA - Cylinder Shape

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SA-1NF	1/4	3/4	1/4	2	-	-	19000
SA-2	5/16	3/4	1/4	2-1/2	10053	10050	-
SA-3	3/8	3/4	1/4	2-1/2	10078	10075	-
SA-3L	3/8	1	1/4	2-3/4	10103	10100	-
SA-3L6	3/8	3/4	1/4	6-3/4	16203	16200	-
SA-3NF	3/8	3/4	1/4	2-1/2	-	-	19002
SA-3X	3/8	1-1/2	1/4	3-1/4	10128	10125	-
SA-4	7/16	1	1/4	2-3/4	10153	10150	-
SA-5	1/2	1	1/4	2-3/4	10178	10175	-
SA-5L6	1/2	1	1/4	7	16228	16225	-
SA-5NF	1/2	1	1/4	2-3/4	-	-	19004
*SA-6	5/8	1	1/4	2-3/4	10203	10200	-
*SA-6NF	5/8	1	1/4	2-3/4	-	-	19006
*SA-15	3/4	1/2	1/4	2-1/4	10503	10500	-
*SA-16	3/4	3/4	1/4	2-1/2	10553	10550	-
*SA-7	3/4	1	1/4	2-3/4	10253	10250	-
SA-7NF	3/4	1	1/4	2-3/4	-	-	19008
SA-7NF3/8	3/4	1	3/8	3	-	-	19010
*SA-8	7/8	1	1/4	2-3/4	10303	10300	-
*SA-9	1	1	1/4	2-3/4	10353	10350	-

*3/8" shanks optional



Universal SB - Cylinder Shape

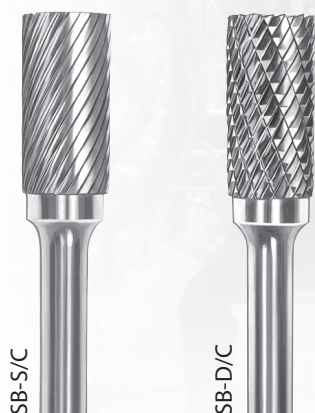
Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SB-41	1/16	1/4	1/8	1-1/2	11453	11450	–
SB-41L2	1/16	1/4	1/8	2	17253	17250	–
SB-41L3	1/16	1/4	1/8	3	17278	17275	–
SB-42	3/32	7/16	1/8	1-1/2	11478	11475	–
SB-42L2	3/32	7/16	1/8	2	17303	17300	–
SB-42L3	3/32	7/16	1/8	3	17328	17325	–
SB-ECO	1/8	–	1/8	3	–	11525	–
SB-11	1/8	1/2	1/4	2-1/4	11253	11250	–
SB-12	1/8	5/8	1/4	2-3/8	11278	11275	–
SB-43	1/8	9/16	1/8	1-1/2	11503	11500	–
SB-43L2	1/8	9/16	1/8	2	17353	17350	–
SB-43L3	1/8	9/16	1/8	3	17378	17375	–
SB-13	5/32	5/8	1/4	2	11303	11300	–
SB-14	3/16	5/8	1/4	2	10328	10825	–
SB-51	1/4	3/16	1/8	1-3/4	11550	11553	–
SB-1	1/4	5/8	1/4	2	10853	10850	–
SB-1L	1/4	1	1/4	2	10878	10875	–
SB-1NF	1/4	3/4	1/4	2	–	–	19012



Recommended Air Tools

FEATURES
From finishing to stock removal

TOOL
Die Grinders



SB-5/C

SB-D/C

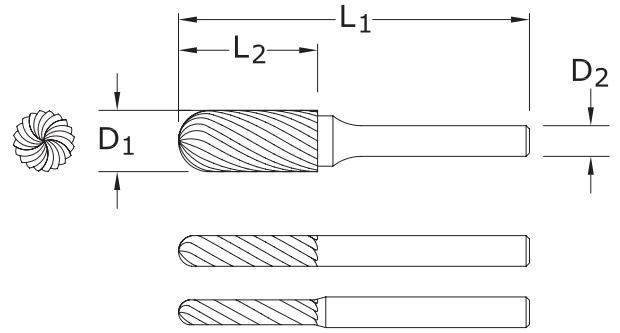
Universal SB - Cylinder Shape

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SB-2	5/16	3/4	1/4	2-1/2	10903	10900	–
SB-3	3/8	3/4	1/4	2-1/2	10928	10925	–
SB-3L	3/8	1	1/4	2-3/4	10953	10950	–
SB-3NF	3/8	3/4	1/4	2-1/2	–	–	19014
SB-3X	3/8	1-1/2	1/4	3-1/4	10978	10975	–
SB-4	7/16	1	1/4	2-3/4	11003	11000	–
SB-5	1/2	1	1/4	2-3/4	11028	11025	–
SB-5NF	1/2	1	1/4	2-3/4	–	–	19016
*SB-6	5/8	1	1/4	2-3/4	11053	11050	–
*SB-6NF	5/8	1	1/4	2-3/4	–	–	19018
*SB-15	3/4	1/2	1/4	2-1/4	11353	11350	–
*SB-16	3/4	3/4	1/4	2-1/2	11403	11400	–
*SB-7	3/4	1	1/4	2-3/4	11103	11100	–
SB-7NF	3/4	1	1/4	2-3/4	–	–	19020
SB-7NF3/8	3/4	1	3/8	3	–	–	19022
*SB-8	7/8	1	1/4	2-3/4	11153	11150	–
*SB-9	1	1	1/4	2-3/4	11203	11200	–

*3/8" shanks optional

Ordering Information

For more information and / or to place an order, please contact
ATA Customer Service at +1 330-928-7744 or by email sales@atatools.com



Universal SC - Cylinder Shape

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SC-61	3/32	3/8	3/32	1-1/4	12378	12375	-
SC-41	3/32	7/16	1/8	1-1/2	12253	12250	-
SC-11	1/8	1/2	1/4	2-1/4	12053	12050	-
SC-42	1/8	9/16	1/8	1-1/2	12278	12275	-
SC-42L2	1/8	9/16	1/8	2	17453	17450	-
SC-42L3	1/8	9/16	1/8	3	17478	17475	-
SC-12	1/8	5/8	1/4	2-3/8	12078	12075	-
SC-52	5/32	1/2	1/8	1-1/2	12328	12325	-
SC-13	5/32	5/8	1/4	2	12103	12100	-
SC-81	3/16	1/2	3/16	2	12403	12400	-
SC-53	3/16	1/2	1/8	1-1/2	12353	12350	-
SC-14	3/16	5/8	1/4	2	12128	12125	-
SC-51	1/4	1/2	1/8	2	12303	12300	-
SC-1	1/4	5/8	1/4	2	11703	11700	-
SC-1L	1/4	1	1/4	2	11728	11725	-
SC-1L6	1/4	5/8	1/4	6-1/2	16328	16325	-
SC-1NF	1/4	3/4	1/4	2	-	-	19024
SC-2	5/16	3/4	1/4	2-1/2	11753	11750	-



Recommended Air Tools

FEATURES
From finishing to stock removal

TOOL
Die Grinders



Universal SC - Cylinder Shape

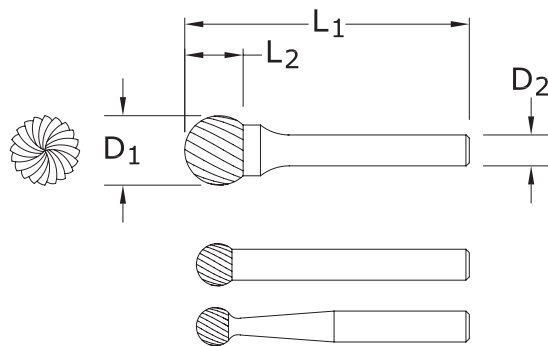
Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SC-3	3/8	3/4	1/4	2-1/2	11778	11775	-
SC-3L	3/8	1	1/4	2-3/4	11803	11800	-
SC-3L6	3/8	3/4	1/4	6-3/4	16353	16350	-
SC-3NF	3/8	3/4	1/4	2-1/2	-	-	19026
SC-3X	3/8	1-1/2	1/4	3-1/4	11828	11825	-
SC-4	7/16	1	1/4	2-3/4	11853	11850	-
SC-5	1/2	1	1/4	2-3/4	11878	11875	-
SC-5L6	1/2	1	1/4	7	16378	16375	-
SC-5NF	1/2	1	1/4	2-3/4	-	-	19028
*SC-6	5/8	1	1/4	2-3/4	11903	11900	-
*SC-6NF	5/8	1	1/4	2-3/4	-	-	19030
*SC-15	3/4	1/2	1/4	2-1/4	12153	12150	-
*SC-16	3/4	3/4	1/4	2-1/2	12203	12200	-
*SC-7	3/4	1	1/4	2-3/4	11953	11950	-
SC-7NF	3/4	1	1/4	2-3/4	-	-	19032
SC-7NF3/8	3/4	1	3/8	3	-	-	19034
*SC-9	1	1	1/4	2-3/4	12003	12000	-

*3/8" shanks optional

Ordering Information

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UNIVERSAL SD



Universal SD - Ball Shape

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SD-41	3/32	3/32	1/8	1-1/2	12778	12775	-
SD-61	3/32	3/32	3/32	1-1/4	12878	12875	-
SD-11	1/8	3/32	1/4	2	12728	12725	-
SD-42	1/8	1/8	1/8	1-1/2	12803	12800	-
SD-42L2	1/8	1/8	1/8	2	17553	17550	-
SD-42L3	1/8	1/8	1/8	3	17578	17575	-
SD-52	5/32	5/32	1/8	1-1/2	12840	12837	-
SD-14	3/16	1/8	1/4	2	12753	12750	-
SD-81	3/16	5/32	3/16	2	12903	12900	-
SD-53	3/16	5/32	1/8	1-1/2	12853	12850	-
SD-1	1/4	7/32	1/4	2	12453	12450	-
SD-1L6	1/4	7/32	1/4	6-3/16	16403	16400	-
SD-1NF	1/4	7/32	1/4	2	-	-	19036
SD-51	1/4	7/32	1/8	1-3/4	12828	12825	-



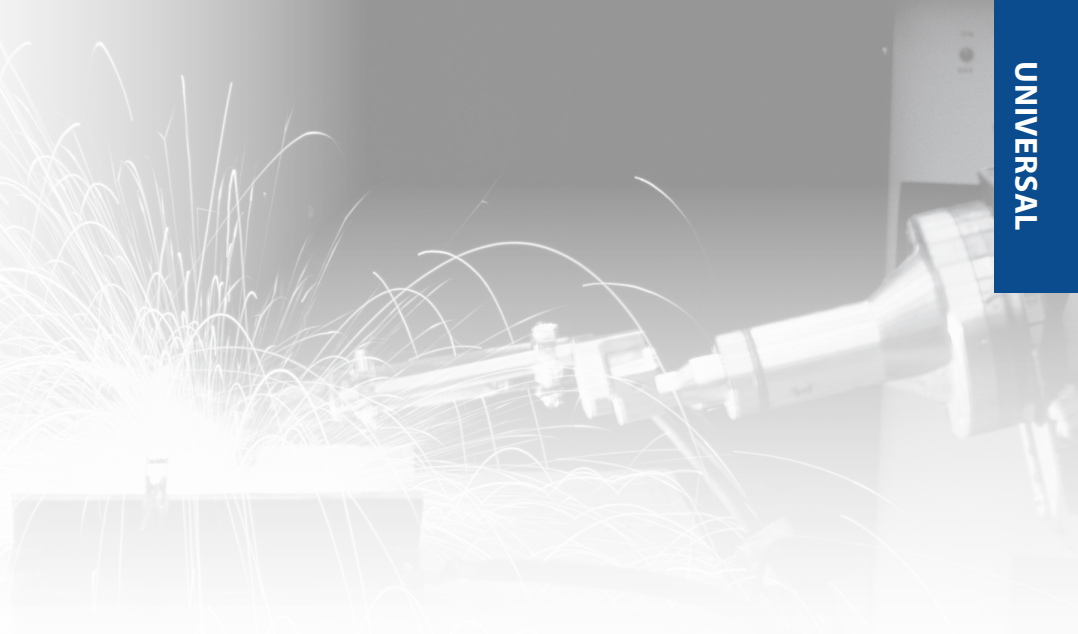
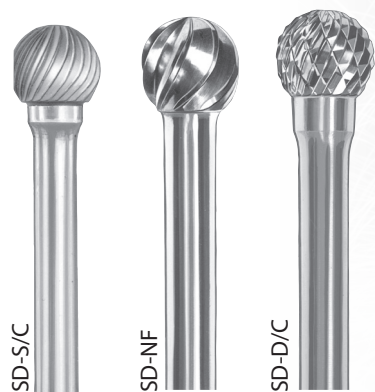
Recommended Air Tools

FEATURES

From finishing to stock removal

TOOL

Die Grinders



Universal SD - Ball Shape

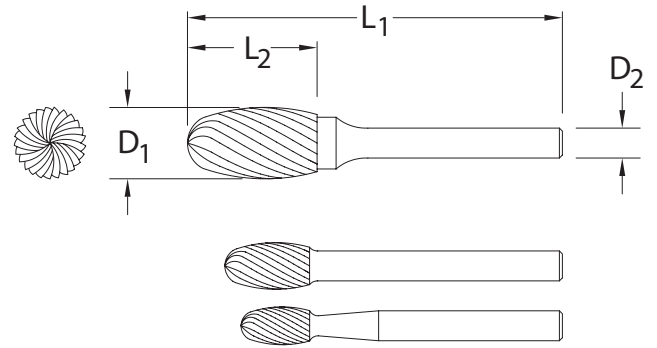
Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SD-2	5/16	1/4	1/4	2	12478	12475	-
SD-3	3/8	5/16	1/4	2-1/16	12503	12500	-
SD-3L6	3/8	5/16	1/4	6-1/3	16428	16425	-
SD-3NF	3/8	5/16	1/4	2-1/16	-	-	19038
SD-4	7/16	3/8	1/4	2-1/7	12528	12525	-
SD-5	1/2	7/16	1/4	2-1/8	12553	12550	-
SD-5L6	1/2	7/16	1/4	6-7/16	16453	16450	-
SD-5NF	1/2	7/16	1/4	2-1/8	-	-	19040
*SD-6	5/8	9/16	1/4	2-1/3	12578	12575	-
*SD-6NF	5/8	9/16	1/4	2-1/3	-	-	19042
*SD-7	3/4	11/16	1/4	2-1/2	12628	12625	-
SD-7NF	3/4	11/16	1/4	2-1/2	-	-	19044
SD-7NF3/8	3/4	11/16	3/8	2-11/16	-	-	19046
*SD-9	1	15/16	1/4	2-7/8	12678	12675	-

*3/8" shanks optional

Ordering Information

For more information and / or to place an order, please contact ATA Customer Service at +1 330-928-7744 or by email sales@atataools.com

UNIVERSAL SE



Universal SE - Oval Shape

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SE-61	3/32	1/8	3/32	1-1/4	13228	13225	-
SE-41	1/8	7/32	1/8	1-1/2	13153	13150	-
SE-41L2	1/8	7/32	1/8	2	17603	17600	-
SE-41L3	1/8	7/32	1/8	3	17628	17625	-
SE-81	3/16	9/32	3/16	2	13253	13250	-
SE-53	3/16	9/32	1/8	1-1/2	13203	13200	-
SE-11	3/16	5/16	1/4	2	13128	13125	-
SE-1	1/4	3/8	1/4	2	12953	12950	-
SE-1L6	1/4	3/8	1/4	6-3/8	16478	16475	-
SE-51	1/4	3/8	1/8	1-7/8	13178	13175	-
SE-3	3/8	5/8	1/4	2-3/8	12978	12975	-
SE-3L6	3/8	5/8	1/4	6-5/8	16503	16500	-
SE-3NF	3/8	5/8	1/4	2-3/8	-	-	19048
SE-5	1/2	7/8	1/4	2-5/8	13003	13000	-
SE-5L6	1/2	7/8	1/4	6-7/8	16528	16525	-
SE-5NF	1/2	7/8	1/4	2-5/8	-	-	19050
*SE-6	5/8	1	1/4	2-3/4	13028	13025	-
*SE-6NF	5/8	1	1/4	2-3/4	-	-	19052
*SE-7	3/4	1	1/4	2-3/4	13078	13075	-
SE-7NF	3/4	1	1/4	2-3/4	-	-	19054
SE-7NF3/8	3/4	1	3/8	2-3/4	-	-	19056

*3/8" shanks optional

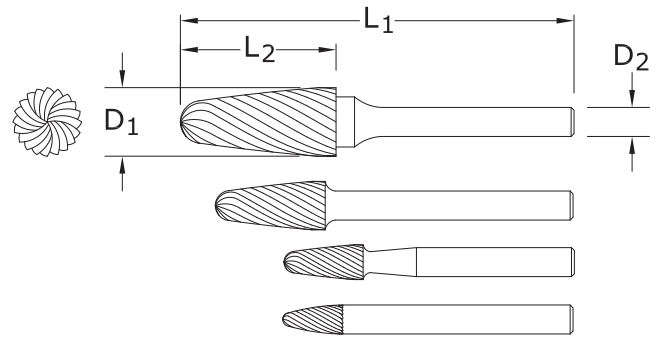


Recommended Air Tools

FEATURES
From finishing to stock removal

TOOL
Die Grinders





Universal SF - Tree Shape

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SF-61	3/32	1/4	3/32	1-1/4	13778	13775	-
SF-41	1/8	1/4	1/8	1-1/2	13678	13675	-
SF-11	1/8	1/2	1/4	2-1/4	13503	13500	-
SF-42	1/8	1/2	1/8	1-1/2	13703	13700	-
SF-42L2	1/8	1/2	1/8	2	17653	17650	-
SF-42L3	1/8	1/2	1/8	3	17678	17675	-
SF-81	3/16	1/2	3/16	2	13803	13800	-
SF-53	3/16	1/2	1/8	1-1/2	13753	13750	-
SF-51	1/4	1/2	1/8	2	13728	13725	-
SF-1	1/4	5/8	1/4	2	13303	13300	-
SF-1L6	1/4	5/8	1/4	6-1/2	16553	16550	-
SF-1NF	1/4	3/4	1/4	2	-	-	19058
SF-3	3/8	3/4	1/4	2-1/2	13328	13325	-
SF-3L6	3/8	3/4	1/4	6-3/4	16578	16575	-
SF-3NF	3/8	3/4	1/4	2-1/2	-	-	19060
SF-4	7/16	1	1/4	2-3/4	13353	13350	-
SF-13	1/2	3/4	1/4	2-1/2	13528	13525	-
SF-5	1/2	1	1/4	2-3/4	13378	13375	-
SF-5L6	1/2	1	1/4	7	16603	16600	-
SF-5NF	1/2	1	1/4	2-3/4	-	-	19062
*SF-6	5/8	1	1/4	2-3/4	13403	13400	-
*SF-6NF	5/8	1	1/4	2-3/4	-	-	19064
*SF-7	3/4	1	1/4	2-3/4	13453	13450	-
*SF-14	3/4	1-1/4	1/4	3	13578	13575	-
SF-14NF	3/4	1-1/4	1/4	3	-	-	19066
SF-14NF3/8	3/4	1-1/4	3/8	3-1/4	-	-	19068
*SF-15	3/4	1-1/4	1/4	3-1/4	13628	13625	-

*3/8" shanks optional



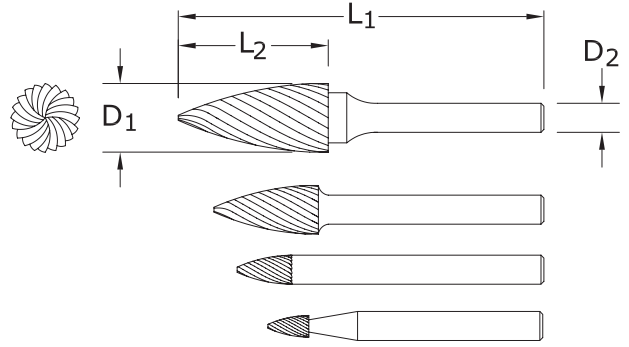
Recommended Air Tools

FEATURES
From finishing to stock removal

TOOL
Die Grinders



UNIVERSAL SG



Universal SG - Tree Shape Pointed End

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SG-61	3/32	1/4	3/32	1-1/4	14303	14300	-
SG-41	1/8	1/4	1/8	1-1/2	14153	14150	-
SG-42	1/8	5/16	1/8	1-1/2	14178	14175	-
SG-43	1/8	3/8	1/8	1-1/2	14203	14200	-
SG-44	1/8	1/2	1/8	1-1/2	14228	14225	-
SG-44L2	1/8	1/2	1/8	2	17853	17850	-
SG-44L3	1/8	1/2	1/8	3	17878	17875	-
SG-81	3/16	1/2	3/16	2	14328	14325	-
SG-53	3/16	1/2	1/8	1-1/2	14278	14275	-
SG-1	1/4	5/8	1/4	2	13853	13850	-
SG-1L6	1/4	1/2	1/4	6-1/2	16628	16625	-
SG-51	1/4	1/2	1/8	2	14253	14250	-
SG-2	5/16	3/4	1/4	2-1/2	13878	13875	-
SG-3	3/8	3/4	1/4	2-1/2	13903	13900	-
SG-3L6	3/8	3/4	1/4	6-3/4	16653	16650	-
SG-13	1/2	3/4	1/4	2-1/2	14053	14050	-
SG-5	1/2	1	1/4	2-3/4	13928	13925	-
SG-5L6	1/2	1	1/4	7	16678	16675	-
*SG-6	5/8	1	1/4	2-3/4	13953	13950	-
*SG-7	3/4	1	1/4	2-3/4	14003	14000	-
*SG-15	3/4	1-1/2	1/4	3-1/4	14103	14100	-

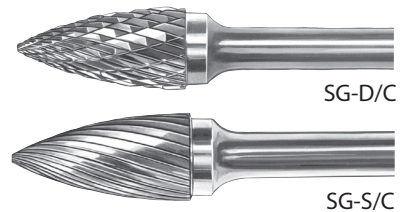
*3/8" shanks optional

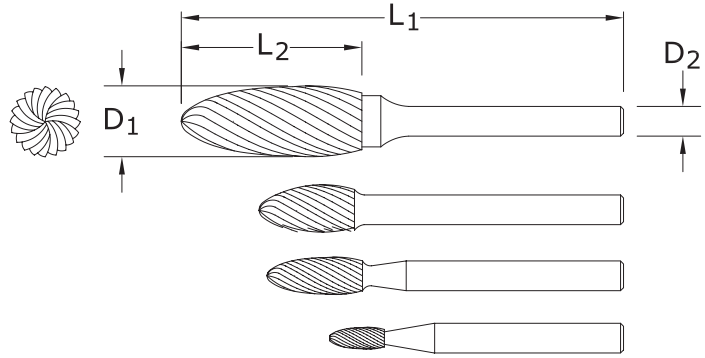


Recommended Air Tools

FEATURES
From finishing to stock removal

TOOL
Die Grinders

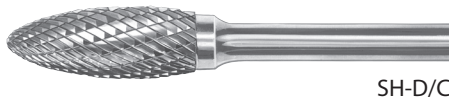




Universal SH - Flame Shape

Tool No.	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single cut 3 EDP No.
SH-41	1/8	1/4	1/8	1-1/2	14553	14550
SH-41L2	1/8	1/4	1/8	2	17903	17900
SH-41L3	1/8	1/4	1/8	3	17928	17925
SH-53	3/16	3/8	1/8	1-1/2	14603	14600
SH-1	1/4	5/8	1/4	2	14378	14375
SH-2	5/16	3/4	1/4	2-1/2	14403	14400
SH-2L6	5/16	3/4	1/4	6-3/4	16703	16700
SH-5	1/2	1-1/4	1/4	3	14428	14425
SH-5L6	1/2	1-1/4	1/4	7-1/4	16728	16725
*SH-6	5/8	1-7/16	1/4	3-1/8	14453	14450
*SH-7	3/4	1-5/8	1/4	3-3/8	14503	14500

*3/8" shanks optional



SH-D/C



SH-S/C

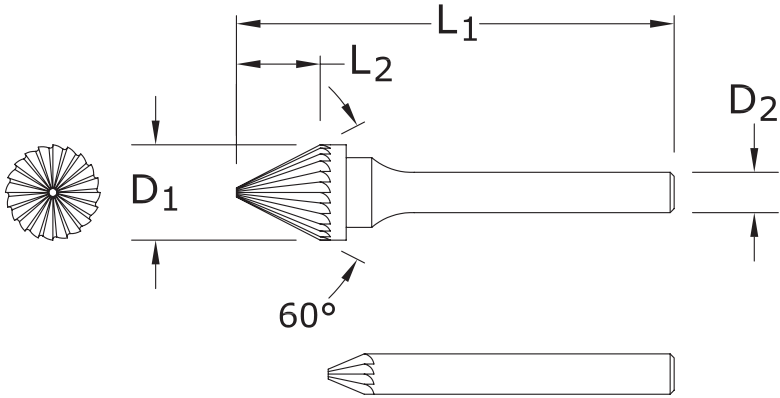
Recommended Air Tools

FEATURES
From finishing to stock removal

TOOL
Die Grinders



UNIVERSAL SJ



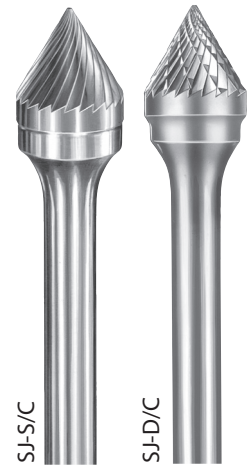
Universal SJ - Cone Shape

Tool No.	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.
SJ-42	1/8	3/32	1/8	1-1/2	14903	14900
SJ-1	1/4	3/16	1/4	2	14678	14675
SJ-3	3/8	5/16	1/4	2-1/8	14703	14700
SJ-5	1/2	7/16	1/4	2-5/16	14728	14725
*SJ-6	5/8	9/16	1/4	2-3/8	14753	14750
*SJ-7	3/4	11/16	1/4	2-9/16	14803	14800
*SJ-9	1	15/16	1/4	2-5/8	14853	14850

*3/8" shanks optional

Ordering Information

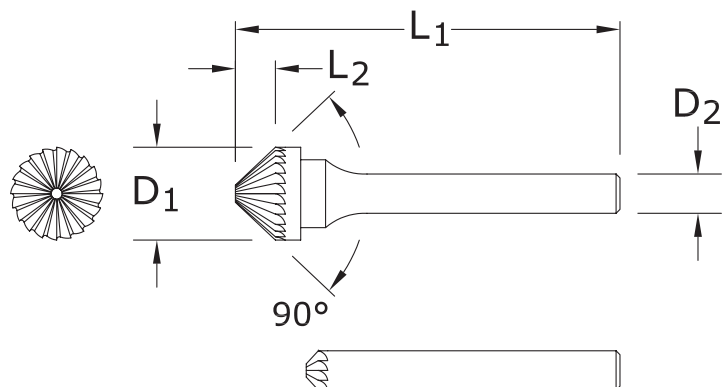
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Recommended Air Tools

FEATURES
From finishing to stock removal

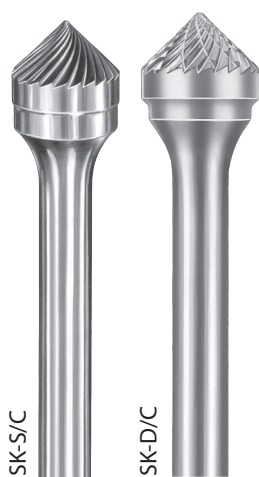
TOOL
Die Grinders



Universal SK - Cone Shape

Tool No.	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.
SK-42	1/8	1/16	1/8	1-1/2	15153	15150
SK-1	1/4	1/8	1/4	2	14928	14925
SK-3	3/8	3/16	1/4	2-1/16	14953	14950
SK-5	1/2	1/4	1/4	2-1/8	14978	14975
*SK-6	5/8	5/16	1/4	2-1/4	15003	15000
*SK-7	3/4	3/8	1/4	2-5/16	15053	15050
*SK-9	1	1/2	1/4	2-3/8	15103	15100

*3/8" shanks optional



Recommended Air Tools

FEATURES
From finishing to stock removal

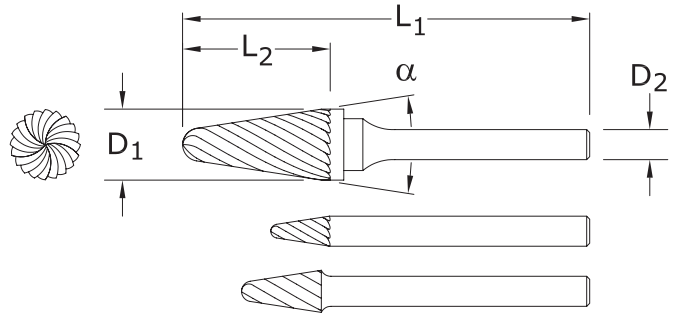
TOOL
Die Grinders



Ordering Information

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UNIVERSAL SL



Universal SL - Radius End Taper Shape

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle α	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
SL-41	1/8	3/8	1/8	1-1/2	8°	15403	15400	-
SL-42	1/8	1/2	1/8	1-1/2	8°	15428	15425	-
SL-42L2	1/8	1/2	1/8	2	8°	17953	17950	-
SL-42L3	1/8	1/2	1/8	3	8°	17978	17975	-
SL-81	3/16	7/16	3/16	2	14°	15478	15475	-
SL-53	3/16	1/2	1/8	1-1/2	14°	15453	15450	-
SL-1	1/4	5/8	1/4	2	14°	15178	15175	-
SL-1L6	1/4	5/8	1/4	6-3/4	14°	16753	16750	-
SL-2	5/16	7/8	1/4	2-3/4	14°	15203	15200	-
SL-3	3/8	1-1/16	1/4	3	14°	15228	15225	-
SL-3L6	3/8	1-1/16	1/4	7-1/16	14°	16778	16775	-
SL-3NF	3/8	1-1/16	1/4	3	14°	-	-	19070
SL-4	1/2	1-1/8	1/4	3	14°	15253	15250	-
SL-4L6	1/2	1-1/8	1/4	7-1/16	14°	16803	16800	-
SL-4NF	1/2	1-1/8	1/4	3	14°	-	-	19072
*SL-5	5/8	1-3/16	1/4	3-1/16	14°	15278	15275	-

*3/8" shanks optional



Recommended Air Tools

FEATURES
From finishing to stock removal

TOOL
Die Grinders



Universal SL - Taper Shape

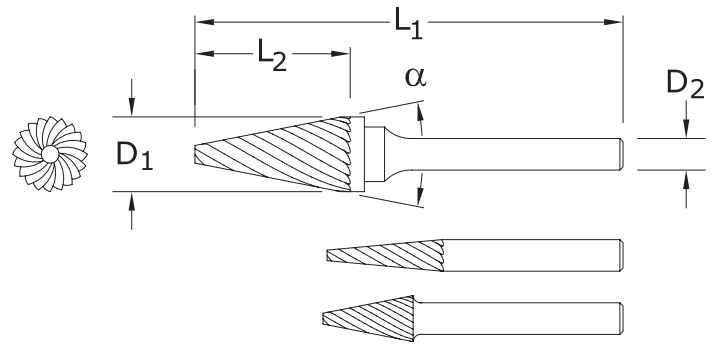
Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle a	Double Cut 6 EDP No.	Single Cut 3 EDP No.	Nonferrous Cut 1 EDP No.
*SL-5NF	5/8	1-3/16	1/4	3	14°	-	-	19074
*SL-6	5/8	1-5/16	1/4	3-3/16	14°	15303	15300	-
*SL-6NF	5/8	1-5/16	1/4	3-3/16	14°	-	-	19076
*SL-7	3/4	1-1/2	1/4	3-3/8	14°	15353	15350	-
SL-7NF	3/4	1-1/2	1/4	3-3/8	14°	-	-	19078
SL-7NF3/8	3/4	1-1/2	3/8	3-5/8	14°	-	-	19080

*3/8" shanks optional

Ordering Information

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UNIVERSAL SM



Universal SM - Cone Shape

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle α	Double Cut 6 EDP No.	Single Cut 3 EDP No.
SM-61	3/32	1/4	3/32	1-1/4	10°	15803	15800
SM-41	1/8	11/32	1/8	1-1/2	12°	15678	15675
SM-42	1/8	7/16	1/8	1-1/2	14°	15703	15700
SM-42L2	1/8	7/16	1/8	2	14°	18053	18050
SM-42L3	1/8	7/16	1/8	3	14°	18078	18075
SM-43	1/8	5/8	1/8	1-1/2	7°	15728	15725
SM-53	3/16	1/2	1/8	1-1/2	16°	15778	15775
SM-1	1/4	1/2	1/4	2	22°	15503	15500
SM-51	1/4	1/2	1/8	2-3/32	22°	15753	15750
SM-2	1/4	3/4	1/4	2	14°	15528	15525
SM-3	1/4	1	1/4	2	10°	15553	15550
SM-4	3/8	5/8	1/4	2-1/2	28°	15578	15575
SM-5	1/2	7/8	1/4	2-3/4	28°	15603	15600
*SM-6	5/8	1	1/4	2-7/8	31°	15628	15625

*3/8" shanks optional



Recommended Air Tools

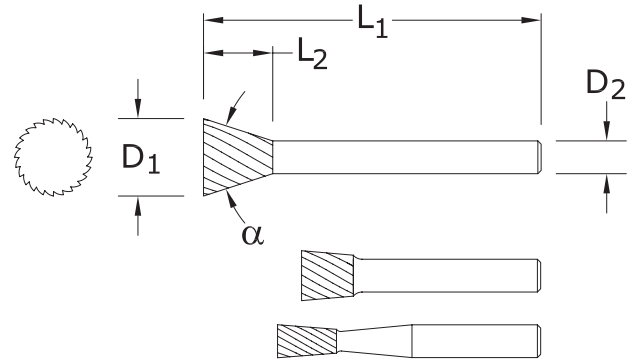
FEATURES

From finishing to stock removal

TOOL

Die Grinders

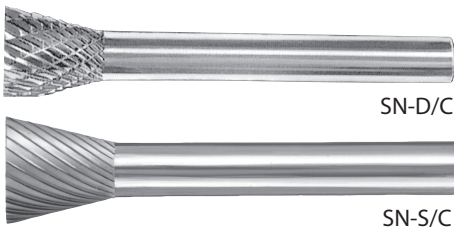




Universal SN - Cone Shape Inverted

Tool	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle α	Double Cut 6 EDP No.	Single Cut 3 EDP No.
SN-41	3/32	1/8	1/8	1-1/2	10°	16028	16025
SN-61	3/32	1/8	3/32	1-1/4	10°	16128	16125
SN-42	1/8	3/16	1/8	1-1/2	10°	16053	16050
SN-81	3/16	1/4	3/16	2	10°	16153	16150
SN-53	3/16	1/4	1/8	1-1/2	10°	16103	16100
SN-51	1/4	1/4	1/8	1-3/4	10°	16078	16075
SN-1	1/4	5/16	1/4	2	10°	15853	15850
SN-2	3/8	3/8	1/4	2-3/32	13°	15878	15875
SN-4	1/2	1/2	1/4	2-1/4	28°	15903	15900
*SN-6	5/8	3/4	1/4	2-1/2	18°	15928	15925
*SN-7	3/4	5/8	1/4	2-3/8	30°	15978	15975

*3/8" shanks optional



Recommended Air Tools

FEATURES
From finishing to stock removal

TOOL
Die Grinders



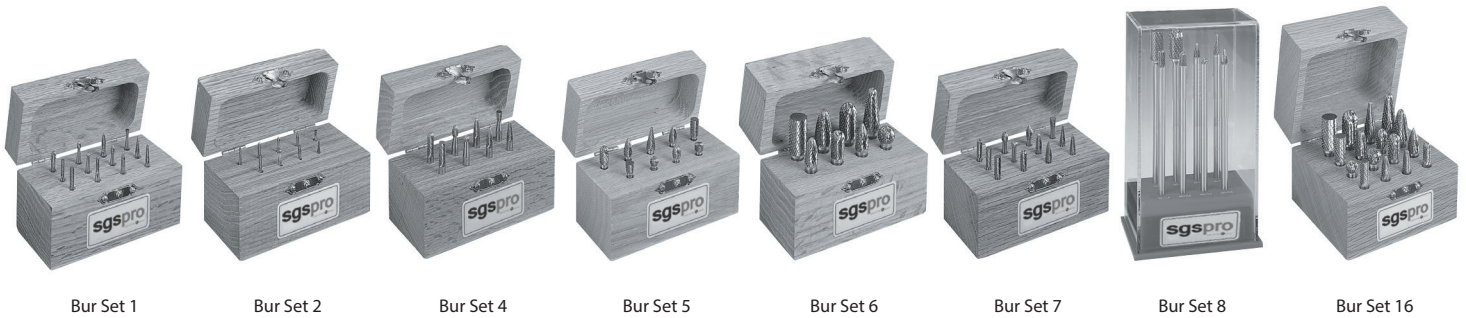
Ordering Information

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UNIVERSAL Long Shank

Universal Long Shank

Tool No.	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut 6 EDP No.	Single Cut 3 EDP No.
Cylinder Shape						
SA-1L6	1/4	1/2	1/4	6-1/2	16178	16175
SA-3L6	3/8	3/4	1/4	6-3/4	16203	16200
SA-5L6	1/2	1	1/4	7	16228	16225
Cylinder Shape Radius End						
SC-1L6	1/4	1/2	1/4	6-1/2	16328	16325
SC-3L6	3/8	3/4	1/4	6-3/4	16353	16350
SC-5L6	1/2	1	1/4	7	16378	16375
Ball Shape						
SD-1L6	1/4	7/32	1/4	6-3/16	16403	16400
SD-3L6	3/8	5/16	1/4	6-5/16	16428	16425
SD-5L6	1/2	7/16	1/4	6-7/16	16453	16450
Oval Shape						
SE-1L6	1/4	3/8	1/4	6-3/8	16478	16475
SE-3L6	3/8	5/8	1/4	6-5/8	16503	16500
SE-5L6	1/2	7/8	1/4	6-7/8	16528	16525
Tree Shape Radius End						
SF-1L6	1/4	1/2	1/4	6-1/2	16553	16550
SF-3L6	3/8	3/4	1/4	6-3/4	16578	16575
SF-5L6	1/2	1	1/4	7	16603	16600
Tree Shape Pointed End						
SG-1L6	1/4	1/2	1/4	6-1/2	16628	16625
SG-3L6	3/8	3/4	1/4	6-3/4	16653	16650
SG-5L6	1/2	1	1/4	7	16678	16675
Flame Shape						
SH-2L6	5/16	3/4	1/4	6-3/4	16703	16700
SH-5L6	1/2	1-1/4	1/4	7-1/4	16728	16725
14° Taper Radius End						
SL-1L6	1/4	5/8	1/4	6-5/8	16753	16750
SL-3L6	3/8	1-1/16	1/4	7-1/16	16778	16775
SL-4L6	1/2	1-1/8	1/4	7-1/16	16803	16800



Universal Sets

Description		Contents						Dimensions	Double Cut EDP No.	Single Cut EDP No.
Solid Carbide Miniature Bur Set #1	Twelve 1/8" Burs in a sturdy oak box:	SA-42 SF-42 42	SA-43 SG-43	SC-41 SH-41	SC-42 SL-42	SD-42 SM-42	SE-41 SN-	1/8" Shank Diameter - 1-1/2" Overall Length	18201	18200
Solid Carbide Miniature Bur Set #2	Nine 3/32" Burs in a sturdy oak box:	SA-61 SG-61	SA-63 SM-61	SC-61 SN-61	SD-61	SE-61	SF-61	3/32" Shank Diameter - 1-1/4" Overall Length	18203	18202
Solid Carbide Miniature Bur Set #4	Eight 3/16" Burs in a sturdy oak box:	SA-81 SL-81	SC-81 SN-81	SD-81	SE-81	SF-81	SG-81	3/16" Shank Diameter - 2" Overall Length	18207	18206
Miniature Bur Set #5	Nine Burs in a sturdy oak box:	SA-51 SG-51	SB-51 SM-51	SC-51 SN-51	SD-51	SE-51	SF-51	1/8" Steel Shank Diameter	18209	18208
Solid Carbide Miniature Bur Set #6	Eight burs in a sturdy oak box:	SA-5 SG-3	SC-3 SL-4	SC-5	SD-5	SF-3	SF-5	1/4" Steel Shank Diameter	18211	18210
Solid Carbide Miniature Bur Set #7	Twelve burs in a sturdy oak box:	SA-52 SF-53	SA-53 SG-53	SC-52 SH-53	SC-53 SL-53	SD-53 SM-53	SE-53 SN-53	1/8" Diameter Solid Carbide Shank, 1-1/2" overall length	18213	18212
Extra Long Bur Set #8	Eight burs in a clear/blue acrylic case:	SA-1L6 SF-1L6	SA-5L6 SG-1L6	SC-1L6 SL-1L6	SC-5L6	SD-1L6		1/4" Diameter - 6" Long Steel Shank	18215	18214
Bur Set #16	Sixteen burs in a sturdy oak box:	SA-1 SD-3 SG-1	SA-3 SD-5 SG-3	SA-5 SE-3 SL-3	SC-1 SF-1 SL-4	SC-3 SF-3	SC-5 SF-5	1/4" Steel Shank Diameter	18217	18216



- The use of eye, face, and ear protection is strongly recommended.
- Burs with shanks longer than 1-3/4 (inch) should be used at 50% of the normal speed.
- Extended shank burs are only recommended for use in well maintained handheld grinders.
- Stabilize extended shank burs by lightly contacting the workpiece prior to starting the grinder.
- Blue discoloring of steel shanks indicates excessive heat due to overuse. Continued use could cause injury.

SAFETY

INSTRUCTIONS



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