



ALWAYS A WINNING HAND

NORTON ABRASIVES AND TOOLS

An operator's and production foreman's perfect tool: our new Norton pneumatic die grinder quickly and comfortably accomplishes many portable applications without changing machines – including jobs for abrasive specialties (cartridge and spiral rolls...), small diameter flap wheels, mounted points, and carbide burrs.

Equip your new die grinder with the complete line of Norton die-grinding abrasive products and it will run longer, at peak efficiency. Make this one-vendor, perfect pairing of machinery and accessories that your purchasing agent and budget will appreciate, too.

KEY APPLICATIONS

DEBURRING | MEDIUM TO LIGHT SURFACE CLEANING AND STOCK REMOVAL | WELD REMOVAL AND PREP | FINISHING

KEY INDUSTRIES

METAL FABRICATION | FOUNDRY | SHIPBUILDING | AVIATION | AUTOMOTIVE | MRO

www.nortonabrasives.com



FEATURES & BENEFITS

- A double-bearing spindle generates superb concentricity, reducing vibrations and allowing longer use, while producing finer finishes
- Finesse your projects by having the ultimate control in both precision and power with the speed regulator
- Achieve better tool handling, along with reduced fatigue, from the ergonomic and streamlined non-slip grip
- Their small size also enhances control and finishes while their light weight provides additional control, less vibration for operator comfort, and the ability to get into small parts
- Extremely versatile and productivity-enhancing; includes a 1/8" and 1/4" collet to accommodate numerous abrasive products: specialties (including cartridge and spiral rolls, square and cross pads, overlap slotted discs), small diameter 1/8" and 1/4" shank and 1/4"-20 thread mounted flap wheels, mounted points, and carbide burrs
- Excellent value proposition: this is solid tool sold at a GOOD-tier price



DESCRIPTION	PART #	STD. PKG. QTY.
Single Norton Die Grinder with 1/8" and 1/4" collets	699573 08000	1
Norton Die Grinder Kit*	699573 08001	1
Includes:		
1 Norton die grinder with 1/8" and 1/4" collets		
100 – 3/8" x 1-1/2" x 1/8", 80 grit Norton Merit R228 cartridge rolls (088341 80232)		
1- M9 cartridge roll mandrel (088341 81209)		
10 – 1" x 1" x 1/4" shank, 60 grit Norton Blaze R920 flap wheels (662611 51170)		
5 – 1" x 1" W220, 1/4" x 1-1/2" spindle Norton Gemini 38A60-P mounted points (614636 24566)		
1 – 1/2" x 1" SF5 Norton Double-Cut carbide burr (699573 08021)		

TECHNICAL SPECIFICATIONS / CONFORMANCE:

Specifications for:	Norton Pneumatic Die Grinder
Weight of tool:	1.4 lbs.

Compressed air:	6.2 bar (90psi)
Maximum permissible operating pressure:	6.2 bar (90psi)
Recommended operating pressure:	6.2 bar (90psi)
Horsepower:	0.9HP
Free speed:	25,000 rpm
Air consumption @90psi:	85 l/min (3 CFM)

Noise characteristic value in accordance with EN ISO 15744 (ISO 15744):	
• A-weighted sound pressure level at workstation	87.3 dB
• A-weighted sound power level	98.3 dB
• Peak C-weighted instantaneous sound pressure level at workstation	< 130 dB
• Measurement uncertainty (Standard)	3 dB

Vibration value according to EN ISO 28927-12:	3.00 m/s ²
Measurement uncertainty (Standard):	0.84 m/s ²

Recommended lubrications:	Air drill oil 20#
Sanding tool specifications:	Pad Size 2" Collet
	Chuck 1/8" (3 mm) and 1/4" (6 mm)

Applications & suitability:	Final surface finishing, chamfering, deburring of architectural millwork, sheet metal and surface prep, zinc casting, aluminum products, injection molds, etc.; general sanding and polishing.
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NORTON BLAZE R920 CERAMIC ALUMINA

BEST CHOICE FOR HARD-TO-GROUND MATERIALS INCLUDING SUPER ALLOYS (COBALT, INCONEL, AND TITANIUM) AND STAINLESS STEEL

FEATURES & BENEFITS

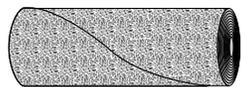
- Next-generation ceramic alumina abrasive grain provides greatest productivity with significantly faster cut rates
- Resists wear, resulting in 50% – 300% longer life
- Advanced grinding aid promotes cooler cutting, longer life
- Improved resin bond system for exceptional grain retention and longer life
- Strong X-weight cotton backing provides durability and even wear

NORTON METAL R265 ALUMINUM OXIDE

GOOD CHOICE WHEN INITIAL PRICE IS A KEY PURCHASING CRITERIA

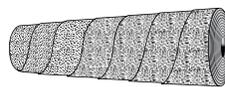
FEATURES & BENEFITS

- Our solid-performance aluminum oxide grain makes these specialties a good starting specification with consistent performance for small jobs or anywhere performance need not be measured



Cartridge Rolls

- Effective for flash removal
- Polishing or removing machine tool marks
- Edge breaking
- Valuable abrasive tool for reaching into corners, where larger diameter tools cannot work
- Fits into irregular concaves, contours, channels



Spiral Rolls

- All spiral roll part numbers shown are full tapered, resin bond, half glued
- Half-tapered and sidewall-tapered are available for quotation as made-to-order products
- Quarter and full glue are also available for quotation as made-to-order products

CARTRIDGE ROLLS



TIER: **BEST**
 BRAND: Norton
 TRADENAME: **BLAZE R920**
 ABRASIVE: Ceramic Alumina
 BACKING: X-Weight Cotton
 OTHER: Supersized

SIZE (D x L x H)	GRIT	STD. PKG.	PART #
1/4" x 1-1/2" x 1/8"	60	100	66261 194384
	80	100	66261 194394
	120	100	66261 194397
3/8" x 1-1/2" x 1/8"	60	100	66261 194392
	80	100	66261 194395
	120	100	66261 194398
1/2" x 1-1/2" x 1/8"	60	100	66261 194393
	80	100	66261 194396
	120	100	66261 194399

All cartridge roll part numbers shown are resin bond, half-glued
 Quarter and full glue are also available for quotation as made-to-order products

SPIRAL ROLLS

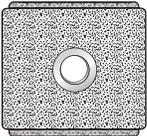


TIER: **BEST**
 BRAND: Norton
 TRADENAME: **BLAZE R920**
 ABRASIVE: Ceramic Alumina
 BACKING: X-Weight Cotton
 OTHER: Supersized



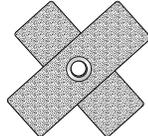
TIER: **GOOD**
 BRAND: Norton
 TRADENAME: **METAL R265**
 ABRASIVE: Aluminum Oxide
 BACKING: X-Weight Cotton

SIZE (D x L x H)	GRIT	STD. PKG.	PART #	PART #
3/8" x 1" x 1/8"	60	100		66261 132211
	80	100		66261 132212
	120	100		66261 132213
3/8" x 1-1/2" x 1/8"	60	100	66261 194481	66261 132214
	80	100	66261 194490	66261 132215
	120	100	66261 194491	66261 132217
1/2" x 1" x 1/8"	60	100		66261 132218
	80	100		66261 132219
	120	100		66261 132220
1/2" x 1-1/2" x 1/8"	60	100	66261 194484	66261 132221
	80	100	66261 194492	66261 132222
	120	100	66261 194495	66261 132223



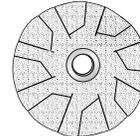
Square Pads

- Corners wear down consistently exposing fresh abrasive; the pad becomes round for less aggressive stock removal
- Grind almost as fast as hard wheels, but are much smoother and easier to control
- For quick blending of channels, fillets, corners, or spotting flat surfaces



Cross Pads

- The shape of cross pads enables you to see through to the contact area, and provides greater flexibility than square pads to conform to variable internal diameters
- Used for close-tolerance polishing of small radii and channels, deburring, and finishing of bell-mouth configurations
- All pads are furnished with standard quick-change eyelet, as listed
- Plain hole sizes must be specified and are available for quotation as made-to-order products



Overlap Slotted Discs

- Used for deburring and polishing radii, holes and cylinder walls
- Our "2 to a set" configuration cuts on the inward motion only
- The "4 to a set" configuration, assembled back to back, cuts on both the inward and outward motions
- All discs are furnished with standard quick-change eyelet
- Plain hole sizes must be specified and are available for quotation as made-to-order products

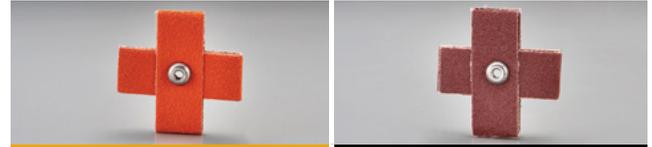
SQUARE PADS



TIER:	BEST	GOOD
ABRASIVE:	Norton	Norton
TRADENAME:	BLAZE R920	METAL R265
BACKING:	X-Weight Cotton	X-Weight Cotton
OTHER:	Supersized	

SIZE (L x W x T)	EYELET	GRIT	STD. PKG.	PART #	PART #
1" x 1" x 1/4"	8-32	60	100		662611 32258
	8-32	80	100		662611 32259
	8-32	120	100		662611 32262
2" x 2" x 1/2"	1/4-20	60	100	662611 94520	662611 32263
	1/4-20	80	100	662611 94552	662611 32264
	1/4-20	120	100	662611 94554	662611 32265

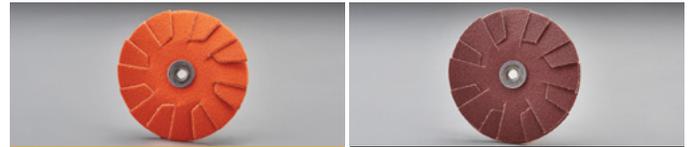
CROSS PADS



TIER:	BEST	GOOD
ABRASIVE:	Norton	Norton
TRADENAME:	BLAZE R920	METAL R265
BACKING:	X-Weight Cotton	X-Weight Cotton
OTHER:	Supersized	

SIZE (L x W x T)	PLY	EYELET	GRIT	STD. PKG.	PART #	PART #
1" x 1" x 3/8"	8	3-48	60	100		662611 32230
	8	3-48	80	100		662611 32231
	8	3-48	120	100		662611 32232
1-1/2" x 1-1/2" x 1/2"	8	8-32	60	100	662611 94496	662611 32233
	8	8-32	80	100	662611 94508	662611 32234
	8	8-32	120	100	662611 94511	662611 32235
2" x 2" x 1/2"	8	8-32	60	100		662611 32236
	8	8-32	80	100		662611 32237
	8	8-32	120	100		662611 32238
2" x 2" x 3/4"	8	8-32	60	100	662611 94502	662611 32239
	8	8-32	80	100	662611 94513	662611 32240
	8	8-32	120	100	662611 94516	662611 32241

OVERLAP SLOTTED DISCS



TIER:	BEST	GOOD
BRAND:	Norton	Norton
TRADENAME:	BLAZE R920	METAL R265
BACKING:	X-Weight Cotton	X-Weight Cotton
OTHER:	Supersized, 2-Ply	4 Per Set

SIZE (DIA.)	EYELET	GRIT	STD. PKG.	PART #	PART #
1-1/2	8-32	60	100	662611 95051	662611 32288
	8-32	80	100	662611 95368	662611 32289
	8-32	120	100	662611 95367	662611 32290
2	8-32	60	100	662611 95054	662611 32291
	8-32	80	100	662611 95055	662611 32292
	8-32	120	100	662611 95056	662611 32293



FLAP
WHEELS



NORTON BLAZE R920 CERAMIC ALUMINA

BEST CHOICE FOR HARD-TO-GRIND MATERIALS, INCLUDING SUPERALLOYS (COBALT, INCONEL, AND TITANIUM) AND STAINLESS STEEL

FEATURES & BENEFITS

- See significantly faster, coolest, burn-free grinding on the toughest jobs from our next-generation of sharp, ceramic abrasive grains and advanced grinding aid lubricant



NORTON R369 ALUMINUM OXIDE

BETTER CHOICE FOR STAINLESS AND CARBON STEEL, AND ALUMINUM, BRASS AND BRONZE

FEATURES & BENEFITS

- Cut cooler and smoother, with our versatile, P-graded premium aluminum oxide blend, durable resin bond system, and heavy cotton backing

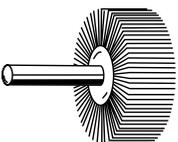


NORTON METAL R207 ALUMINUM OXIDE

GOOD CHOICE WHEN INITIAL PRICE IS A KEY PURCHASING CRITERIA

FEATURES & BENEFITS

- Our solid-performance aluminum oxide grain makes these flap wheels a good starting specification with consistent performance for small jobs or anywhere performance need not be measured



Flap Wheels with Mounted Steel Shanks

- Wheels are designed with a 1/8" or 1/4" steel shank as an integral part of each wheel. These shanks run through the wheel creating better balance, a reduction of chatter, and reduced operator fatigue. They also permit quick changes on air tools when using other abrasive products.



Flap Wheels with Mounted 1/4"-20 Thread

- Wheels are designed with a 1/4"-20 thread and flange as an integral part of the wheel. These threads facilitate the quickest changes on air tools using flap wheels exclusively, as there are no special tools needed to change the flap wheel. Also allow extended reach with accessory mandrels. This type of flap wheel part numbers is not listed in this brochure but many are in stock, and may be used on our Norton die grinder.

MINI FLAP WHEELS WITH 1/4"
MOUNTED STEEL SHANKS



TIER:	BEST	BETTER	GOOD
BRAND:	Norton	Norton	Norton
TRADENAME:	BLAZE R920	R369	METAL R207
ABRASIVE:	Ceramic Alumina	Premium Aluminum Oxide Blend	Aluminum Oxide
BACKING:	X-Weight Cotton	Y-Weight Cotton	X-Weight Cotton

SIZE (D x W x SK.)	GRIT	MAX. RPM	STD. PKG.	PART #	PART #	PART #
3/4" x 5/8" x 1/4"	60	35,000	10		666233 99237	
	80	35,000	10		666233 99238	
	120	35,000	10		666233 99239	
3/4" x 3/4" x 1/4"	60	35,000	10		666233 99243	
	80	35,000	10		666233 99244	
	120	35,000	10		666233 99245	
	180	35,000	10		666233 99246	
1" x 5/8" x 1/4"	60	30,000	10		666233 99074	636425 02576
	80	30,000	10		666233 99075	636425 02577
	120	30,000	10		666233 99076	636425 02578
1" x 1" x 1/4"	40	30,000	10		666233 99077	
	60	30,000	10	662611 51170	699573 94176	636425 02580
	80	30,000	10	662611 51171	699573 94181	636425 02581
	120	30,000	10	662611 51172	699573 94182	636425 02582
	180	30,000	10		666233 99078	
	240	30,000	10		666233 99079	
	320	30,000	10		666233 99080	
1-3/8" x 5/8" x 1/4"	60	30,000	10		666233 99247	636425 02584
	80	30,000	10		666233 99248	636425 02585
1-1/2" x 1" x 1/4"	40	25,000	10		666233 99087	
	60	25,000	10		666233 99088	636425 02592
	80	25,000	10		666233 99089	636425 02593
	120	25,000	10		666233 99090	636425 02594
	180	25,000	10		666233 99249	
	240	25,000	10		666233 99250	
1-1/2" x 1-1/2" x 1/4"	40	25,000	10		666233 99251	
	60	25,000	10		666233 99252	
	80	25,000	10		666233 99253	
	120	25,000	10		666233 99254	
2" x 1/2" x 1/4"	60	25,000	10		666233 99255	636425 02596
	80	25,000	10		666233 99256	
	120	25,000	10		666233 99257	
	180	25,000	10		666233 99258	
2" x 1" x 1/4"	40	25,000	10		666233 99094	
	60	25,000	10	662611 51173	699573 94183	636425 02600
	80	25,000	10	662611 51174	699573 94184	636425 02601
	120	25,000	10	662611 51175	699573 94185	636425 02602
	180	25,000	10		666233 99095	
	240	25,000	10		666233 99096	
	320	25,000	10		666233 99097	
	60	25,000	10		666233 99098	
2" x 1-1/2" x 1/4"	80	25,000	10		666233 99099	
	120	25,000	10		666233 99100	

Micro-mini flap wheels with 1/8" mounted steel shanks are also available, as well as flap wheels with 1/4"-20 thread.



MOUNTED POINTS

NORTON QUANTUM CERAMIC ALUMINA – VITRIFIED BOND

BEST CHOICE FOR HIGH VOLUME OPERATIONS

FEATURES

- Unique, engineered ceramic grain shape and chemistry with proven bond technology
- Oil and Gas 36 grit mounted points

BENEFITS

- Ideal for high-volume foundry operations – grinding Inconel and similar alloy turbine blade components
- Minimal loading and heat build-up
- 33% + longer life versus competitive ceramic products
- 30% + higher metal removal rates
- Versatile, optimized for all low-, medium- and high-force applications
- Exceptional productivity and life
- Specifically engineered to efficiently grind the carbide matrix material of oil field drill heads



NORTON GEMINI ALUMINUM OXIDE– VITRIFIED BOND

GOOD VALUE FOR GENERAL PURPOSE, SMALL JOB SHOP APPLICATIONS

FEATURES

- 38A abrasive
- Diverse shapes and sizes

BENEFITS

- Cool cutting, less burn
- Ideal when initial price is the main purchasing consideration

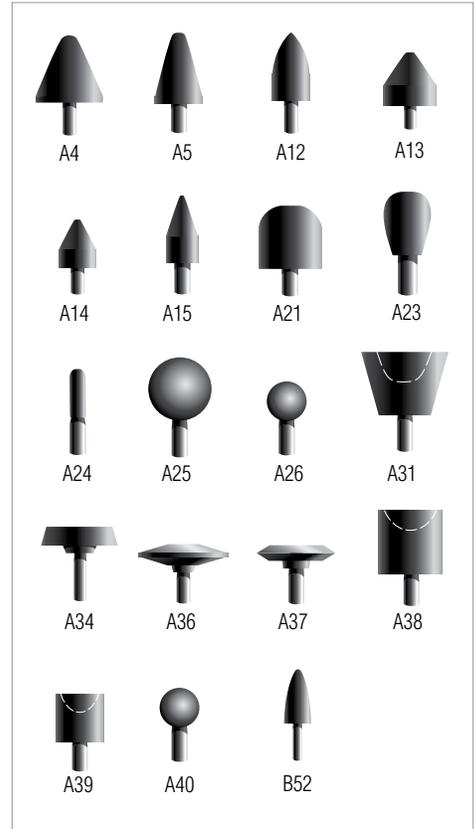


TIER:	BEST	GOOD
BRAND:	Norton	Norton
TRADENAME:	QUANTUM	GEMINI
ABRASIVE:	Ceramic Alumina	38A Aluminum Oxide

SHAPE	SIZE (D x T)	SPINDLE DIA. †	MAX. RPM*	MIN./STD. PKG.	SPEC	PART #	SPEC	PART #
Vitrified Bond Mounted Points – A and B Shapes								
A4	1-1/4" x 1-1/4"	1/4	30,560	5/25			38A60-P	614636 24380
A5	3/4" x 1-1/8"	1/4	45,000	5/25	3NQ80	690831 49140	38A36-T	614636 24381
A5	3/4" x 1-1/8"	1/4	45,000	5/25			38A60-P	614636 24382
A12	11/16" x 1-1/4"	1/4	48,000	5/25	3NQ60	614636 77679	38A60-P	614636 24388
A13	1-1/8" x 1-1/8"	1/4	33,950	5/25			38A60-P	614636 24389
A14	11/16" x 7/8"	1/4	55,560	5/25			38A60-P	614636 24390
A15	1/4" x 1-1/16"	1/4	72,750	5/25			38A60-P	614636 24391
A21	1" x 1"	1/4	34,500	5/25	3NQ80	690831 49144	38A60-P	614636 24392
A23	3/4" x 1"	1/4	39,370	5/25	3NQ80	690831 49143	38A60-P	614636 24394
A24	1/4" x 3/4"	1/4	76,500	5/25			38A60-P	614636 24395
A25	1" Ball	1/4	35,620	5/25	3NQ80	614636 77680	38A60-P	614636 24396
A26	5/8" Ball	1/4	61,120	5/25	3NQ80	690831 49145	38A60-P	614636 24397
A31	1-3/8" x 1"	1/4	27,780	5/25			38A60-P	614636 24399
A34	1-1/2" x 3/8"	1/4	25,470	5/25			38A60-P	614636 24402
A36	1-5/8" x 3/8"	1/4	23,520	5/25	3NQ80	690831 49146	38A60-P	614636 24404
A37	1-1/4" x 1/4"	1/4	30,560	5/25			38A60-P	614636 24405
A38	1" x 1"	1/4	34,500	5/25	3NQ80	614636 77682	38A60-P	614636 24406
A39	3/4" x 3/4"	1/4	47,250	5/25	3NQ80	690831 49147	38A60-P	614636 24407
A40	3/4" Ball	1/4	47,250	5/25			38A60-P	614636 24408
B52	3/8" x 3/4"	1/4	81,000	5/25			38A60-P	614636 24419

† Standard spindle size is 1/4" x 1-1/2"

* Maximum RPM valid to 1/2" overhang. See package insert for other overhangs.

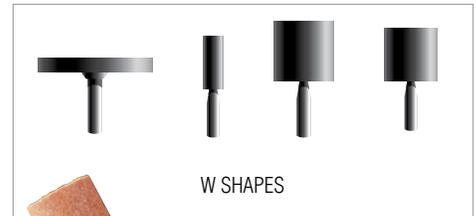


TIER:	BEST	GOOD
BRAND:	Norton	Norton
TRADENAME:	QUANTUM	GEMINI
ABRASIVE:	Ceramic Alumina	38A Aluminum Oxide

SHAPE	SIZE (D x T)	SPINDLE DIA. †	MAX. RPM*	MIN./STD. PKG.	SPEC	PART #	SPEC	PART #
Vitrified Bond Mounted Points – W Shapes								
W185	1/2" x 1/2"	1/4	61,500	5/25			38A60-P	614636 24526
W186	1/2" x 3/4"	1/4	51,000	5/25			38A60-P	614636 24528
W188	1/2" x 1-1/2"	1/4	30,370	5/25			38A60-P	614636 24530
W189	1/2" x 2"	1/4	24,000	25/250	Oil & Gas 36	614636 86137		
W189	1/2" x 2"	1/4	24,000	5/25	3NQ80	614636 77683	38A60-P	614636 24531
W196	5/8" x 1"	1/4	35,250	5/25			38A60-P	614636 24539
W204	3/4" x 3/4"	1/4	42,750	5/25			38A60-P	614636 24549
W205	3/4" x 1"	1/4	34,500	5/25			38A60-P	614636 24550
W216	1" x 1/4"	1/4	38,200	5/25			38A60-P	614636 24562
W218	1" x 1/2"	1/4	38,200	25/250	Oil & Gas 36	690831 54061		
W218	1" x 1/2"	1/4	38,200	5/25			38A60-P	614636 24564
W220	1" x 1"	1/4	25,500	5/25	3NQ80	614636 77685	38A60-P	614636 24566
W235	1-1/2" x 1/4"	1/4	25,470	5/25			38A60-P	614636 24583
W236	1-1/2" x 1/2"	1/4	25,470	5/25	3NQ80	614636 77686	38A60-P	614636 24585

† Spindle size is 1/8" or 1/4" x 1-1/2"

* Maximum RPM valid to 1/2" overhang. See package insert for other overhangs.



NORTON

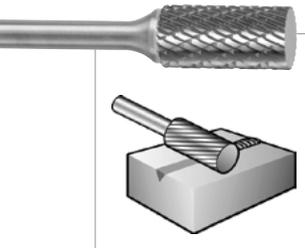
SAINT-GOBAIN

DOUBLE-CUT
CARBIDE BURRS

Carbide Burr Kit

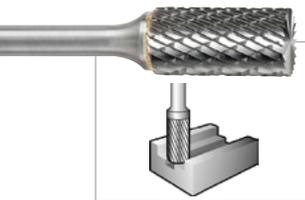
DESCRIPTION	MIN./STD. PKG. QTY	PART #
Carbide Burr Kit*	1	699573 08060

* Kit Includes one each of: SA5 (69957308005), SF3 (69957308020), SF5 (69957308021), SG5 (69957308026), and SL4 (69957308030)



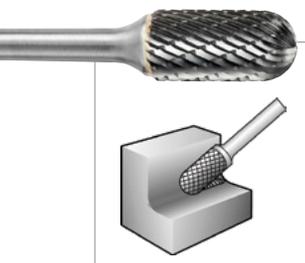
SA Cylindrical without End Cut
The ends of these burrs are flat, with no cutting edges and are used for contour finishing and to get into right-angled corners.

SUB-SHAPE	MAX. RPM	D1	L1	L2	MIN./STD. PKG. QTY	PART #
SA1	25,000	1/4"	3/4"	2"	1	699573 08002
SA2	25,000	5/16"	3/4"	2-1/2"	1	699573 08003
SA3	25,000	3/8"	3/4"	2-1/2"	1	699573 08004
SA5	25,000	1/2"	1"	2-3/4"	1	699573 08005



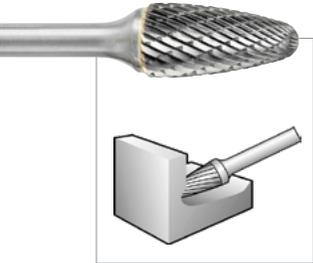
SB Cylindrical with End Cut
The cutting edge at the end of the burr makes these burrs a good choice for contour finishing.

SUB-SHAPE	MAX. RPM	D1	L1	L2	MIN./STD. PKG. QTY	PART #
SB3	25,000	3/8"	3/4"	2-1/2"	1	699573 08006
SB5	25,000	1/2"	1"	2-3/4"	1	699573 08007
SB6	25,000	5/8"	1"	2-3/4"	1	699573 08008



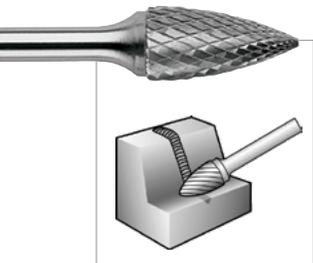
SC Ball-Nosed Cylindrical
Use these round-nosed burrs for smoother operation and better tool control.

SUB-SHAPE	MAX. RPM	D1	L1	L2	MIN./STD. PKG. QTY	PART #
SC1	25,000	1/4"	3/4"	2"	1	699573 08009
SC2	25,000	5/16"	3/4"	2-1/2"	1	699573 08010
SC3	25,000	3/8"	3/4"	2-1/2"	1	699573 08011
SC5	25,000	1/2"	1"	2-3/4"	1	699573 08012
SC6	25,000	5/8"	1"	2-3/4"	1	699573 08013



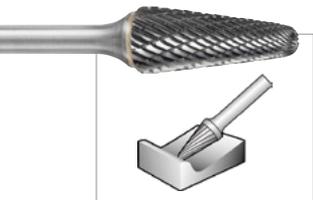
SF Ball-Nosed Tree
Designed to round off edges and make concave cuts.

SUB-SHAPE	MAX.-RPM	D1	L1	L2	MIN./STD. PKG. QTY	PART #
SF1	25,000	1/4"	3/4"	2"	1	699573 08018
SF2	25,000	5/16"	3/4"	2-1/2"	1	699573 08019
SF3	25,000	3/8"	3/4"	2-1/2"	1	699573 08020
SF5	25,000	1/2"	1"	2-3/4"	1	699573 08021
SF6	25,000	5/8"	1"	2-3/4"	1	699573 08022



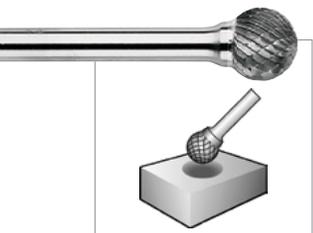
SG Tree with Taper
The taper allows access to hard-to-reach areas, such as angled contours.

SUB-SHAPE	MAX.-RPM	D1	L1	L2	MIN./STD. PKG. QTY	PART #
SG1	25,000	1/4"	3/4"	2"	1	699573 08023
SG2	25,000	5/16"	3/4"	2-1/2"	1	699573 08024
SG3	25,000	3/8"	3/4"	2-1/2"	1	699573 08025
SG5	25,000	1/2"	1"	2-3/4"	1	699573 08026
SG6	25,000	5/8"	1"	2-3/4"	1	699573 08027



SL Ball-Nosed Cone
This cone shape is excellent for imparting fine finishes.

SUB-SHAPE	MAX.-RPM	D1	L1	L2	MIN./STD. PKG. QTY	PART #
SL2	25,000	5/16"	7/8"	2-3/4"	1	699573 08028
SL3	25,000	3/8"	1-3/16"	2-15/16"	1	699573 08029
SL4	25,000	1/2"	1-3/16"	3"	1	699573 08030



SD Ball Shape
Use these carbide burrs to create a concave and to hollow out a workpiece.

SUB-SHAPE	MAX.-RPM	D1	L1	L2	MIN./STD. PKG. QTY	PART #
SD1	25,000	1/4"	1/4"	2"	1	699573 08014
SD2	25,000	5/16"	1/4"	2"	1	699573 08015
SD3	25,000	3/8"	5/16"	2-1/8"	1	699573 08016
SD5	25,000	1/2"	7/16"	2-3/16"	1	699573 08017

SAFETY FIRST

The die grinder is designed for use with specialties like cartridge rolls, small diameter flap wheels, mounted points, and carbide burrs. This is an **UNGUARDED** tool and should **NEVER** be used with cut-off wheels or other bonded abrasive grinding wheels. Never use any accessory that has a MAX RPM rating less than the RPM marked on the tool.

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