

NORTON MERIT[®]

SAINT-GOBAIN

A PASSION FOR PINK AND SPECIALTIES

Norton Merit has supplied the most comprehensive specialties offering in the industry, with the largest variety of abrasives, backings and locking mechanisms for over 70 years. With our commitment to consistently provide the highest quality of products our BETTER line of specialties has just gotten a little more special.



www.nortonabrasives.com



COMPLETE METALWORKING SOLUTIONS
(800) 991-4225 www.ahbinc.com
ISO Certified customerservice@ahbinc.com



Have You Noticed?

Norton and Merit brands are joining forces to deliver a simpler, comprehensive one-stop shop product portfolio for all specialty abrasives for offhand and portable power tools, within a single brand "Norton Merit". The Norton Merit Pink line is the first introduction under the new unique branding. You will notice a gradual change for all specialty abrasives over the next 12 months.

Be watching for more details!



KEY INDUSTRIES

ENERGY | OIL AND GAS | WELDING | FOUNDRY
AND CASTINGS | MRO | AEROSPACE

KEY APPLICATIONS

BEVELING | BLENDING | CLEANING AND
DETAILING | DEBURRING | FINISHING

A BETTER SOLUTION FOR THE SPECIALTIES MARKET

The new Norton Merit Pink R928 flap wheels and specialty abrasives combines a superior ceramic grain for faster cutting and longer life over traditional aluminum oxide specialties. A poly cotton backing adds more durability versus traditional cotton back products for those hard-to-reach applications, and with its grinding aid, R928 cuts cooler, and faster on hard-to-grind materials. The new Norton Merit Pink mounted points feature our 86A aluminum oxide abrasives, providing a good combination of friability and form holding. So mount up one of these pink specialties and experience the excellent finishes and productivity.

Mini Flap Wheels

Flap wheels are an ideal choice for a wide variety of blending, deburring and finishing applications common in the metal fabrication, welding and polishing industries. Flap wheels are conformable to intricate shapes and contours. Designed to deliver a consistent finish with a uniform rate of cut, flap wheels wear away, continually exposing fresh abrasives.

FEATURES & BENEFITS

- Ceramic grain provides better performance than aluminum oxide and zirconia alternatives for better, smoother finishes
- Extended life through the improved resin bond system providing less down-time of change overs
- The versatile X-weight poly cotton backing increases durability for more controlled stock removal

Shape

Description/Application



Flap Wheels with Mounted Steel Shanks

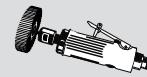
Wheels are designed with a 1/8" or 1/4" steel shank as an integral part of each wheel. These shanks run through the wheel creating better balance, a reduction of chatter, and reduced operator fatigue. They also permit quick changes on air tools when using other abrasive products.



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.

MINI FLAP
WHEELS



DIE
GRINDER



PORTABLE
GRINDER

Threaded

Designed for polishing and finishing intricate surfaces; cost-effective replacement for brushes, rubber points, and felt bobs. Mini flap wheels in 1", 2" and 3" diameter, mounted on a 1/4"-20 thread that allows you to quickly spin the wheels on and off with no tools.

SIZE (D x W x THD.)	GRIT	MAX. RPM	STD. PKG.	PART #
Norton Merit Pink R928 Mini Flap - Ceramic Alumina - Threaded				
1" x 1" x 1/4"-20	40	30,000	10	699573 39718
	60	30,000	10	699573 39719
	80	30,000	10	699573 39720
	120	30,000	10	699573 39721
2" x 1" x 1/4"-20	40	25,000	10	699573 39722
	60	25,000	10	699573 39723
	80	25,000	10	699573 39735
	120	25,000	10	699573 39736
3" x 1" x 1/4"-20	40	20,000	10	699573 39737
	60	20,000	10	699573 39738
	80	20,000	10	699573 39739
	120	20,000	10	699573 39740

Shank Mounted

Very durable, long-lasting mini flap wheels for demanding, heavy stock removal applications. Small flap wheels in 1", 2" and 3" diameter, mounted on a 1/4" diameter steel shank.

SIZE (D x W x SK.)	GRIT	MAX. RPM	STD. PKG.	PART #
Norton Merit Pink R928 Mini Flap - Ceramic Alumina - Shank				
1" x 1" x 1/4"	40	30,000	10	699573 39701
	60	30,000	10	699573 39702
	80	30,000	10	699573 39703
	120	30,000	10	699573 39704
2" x 1" x 1/4"	40	25,000	10	699573 39705
	60	25,000	10	699573 39706
	80	25,000	10	699573 39711
	120	25,000	10	699573 39712
3" x 1" x 1/4"	40	20,000	10	699573 39713
	60	20,000	10	699573 39714
	80	20,000	10	699573 39715
	120	20,000	10	699573 39716

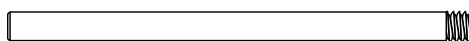
Adapters for 1/4"-20 Thread Mini and Arbor Hole Flap Wheels

MODEL #	DESCRIPTION	PART #
Adapters		
ADAPT C	Fits 3 x 2 x 3/8 arbor flap wheel	088341 37009 NS
MA-100	Fits A.H. Mini Wheel	088341 37007 NS
QC-8	1/8 x 5/8	088341 37002 NS
QC-4	1/4 SK. Dia. x 5/8 SK. L.	088341 37001
QC-44	1/4 x 4	088341 37003
QC-46	1/4 x 6	088341 37004
QC-48	1/4 x 8	088341 37005
QC-T	1/4-20 Thread	088341 37012
QC-T	3/8-24 Thread	088341 37010

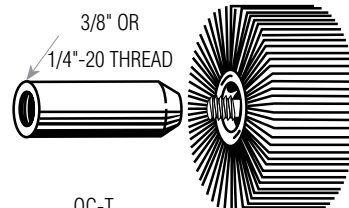
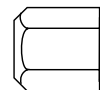
Standard package = 1 adapter
Other thread sizes available for quotation
NS Non-stock. Contact your Norton representative for current order quantities and lead-times.



QC-4



QC-46



QC-T



Used on inside surfaces and inside corners where other abrasive shapes cannot reach. Typically these are used on high-speed air grinders and are always mounted on a mandrel. Ideal for flash removal, polishing, or removing machine tool marks, and edge breaking. Sharp ceramic alumina abrasive blend delivers a cooler cut, with the grinding aid promotes a cleaner, cooler cut on stainless steel. Durable X-weight poly cotton backing ensures even wear and smoother finish.

Cartridge Rolls

Cartridge rolls are strips of abrasive cloth rolled and glued to form a solid shape that is designed to break down during use and reveal the next layer of abrasive. A valuable abrasive tool for reaching into corners, where larger diameter tools cannot work.

SIZE (D x L x H)	GRIT	STD. PKG.	PART #
Norton Merit Pink R928 - Ceramic Alumina - Cartridge Roll			
1/4" x 1-1/2" x 1/8"	60	100	699573 39765
Use M-9 Mandrel	80	100	699573 39766
	120	100	699573 39767
3/8" x 1-1/2" x 1/8"	60	100	699573 39768
Use M-9 Mandrel	80	100	699573 39769
	120	100	699573 39770
1/2" x 1-1/2" x 1/8"	60	100	699573 39771
Use M-9 Mandrel	80	100	699573 39772
	120	100	699573 39774

Spiral Rolls

Spiral rolls are strips of abrasive cloth rolled and glued to form a solid shape that is designed to break down during use and reveal the next layer of abrasive.

SIZE (D x L x H)	GRIT	STD. PKG.	PART #
Norton Merit Pink R928 - Ceramic Alumina - Spiral Roll			
3/8" x 1-1/2" x 1/8"	60	100	699573 39775
Use M-9 Mandrel	80	100	699573 39785
	120	100	699573 39787
1/2" x 1-1/2" x 1/8"	60	100	699573 39790
Use M-9 Mandrel	80	100	699573 39791
	120	100	699573 39792

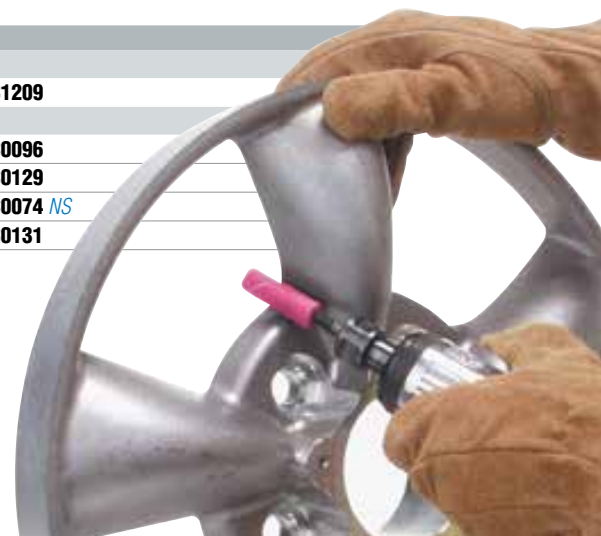
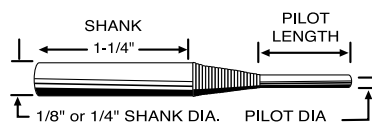
Cartridge and Spiral Roll Mandrels

MODEL NO.	PILOT DIA.	PILOT LENGTH	SHANK DIA.	SHANK LENGTH	OVERALL LENGTH	PART #
Cartridge and Spiral Roll Mandrels						
M-9	1/8"	1"	1/4"	1-1/4"	2-3/4"	088341 81209
Extra Shank Length Mandrels						
M-9-2.5				2-1/2"	4"	088341 80096
M-9-3				3"	4-1/2"	088341 80129
M-9-4				4"	5-1/2"	088341 80074 NS
M-9-6				6"	7-1/2"	088341 80131

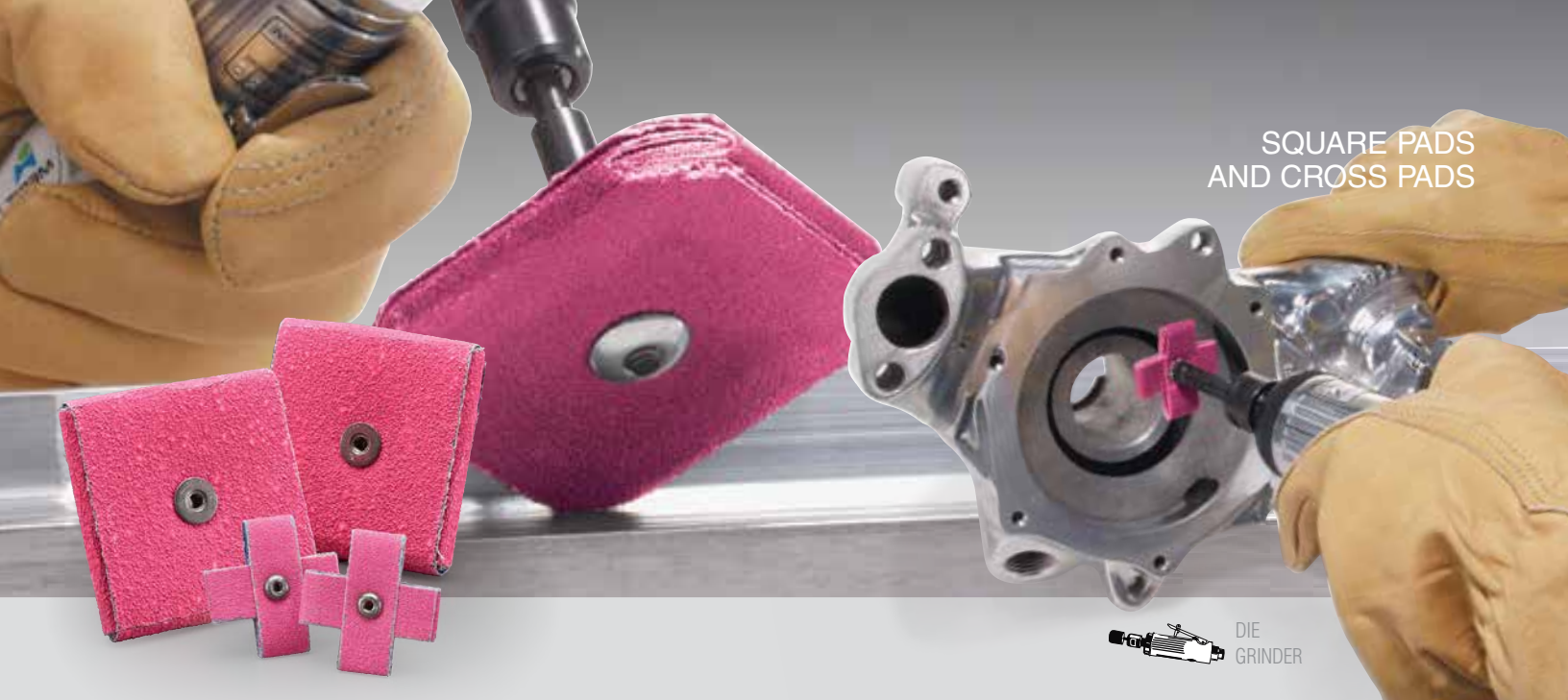
All Extra Shank Length mandrels are 1/4" diameter

Recommended Pilot Length for Mandrels

3/4" Roll Length	Use 1/2" Pilot
1" Roll Length	Use 3/4" Pilot
1-1/2" Roll Length	Use 1" Pilot
2" Roll Length	Use 1-1/2" Pilot



SQUARE PADS AND CROSS PADS



DIE GRINDER

Square Pads

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

SIZE (L x W x T)	EYELET	GRIT	STD. PKG.	PART #
Norton Merit Pink R928 - Ceramic Alumina - Square Pad				
2" x 2" x 1/2"	1/4"-20	60	100	699573 40138
		80	100	699573 40139
		120	100	699573 40141
3" x 3" x 1/4"	1/4"-20	60	100	699573 40142
		80	100	699573 40143
		120	100	699573 40144
3" x 3" x 1/2"	1/4"-20	60	100	699573 40146
		80	100	699573 40147

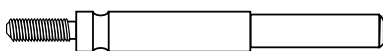
Cross Pads

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.

SIZE (L x W x T)	PLY	EYELET	GRIT	STD. PKG.	PART #
Norton Merit Pink R928 - Ceramic Alumina - Cross Pad					
1-1/2" x 1-1/2" x 1/2"	8	8-32	60	100	699573 39793
			80	100	699573 39794
			120	100	699573 39804
2" x 2" x 3/4"	8	8-32	60	100	699573 39806
			80	100	699573 40133
			120	100	699573 40134
3" x 3" x 1"	8	1/4"-20	60	100	699573 40135
			80	100	699573 40136
			120	100	699573 40137

Quick-Change Mandrels for Square and Cross Pads

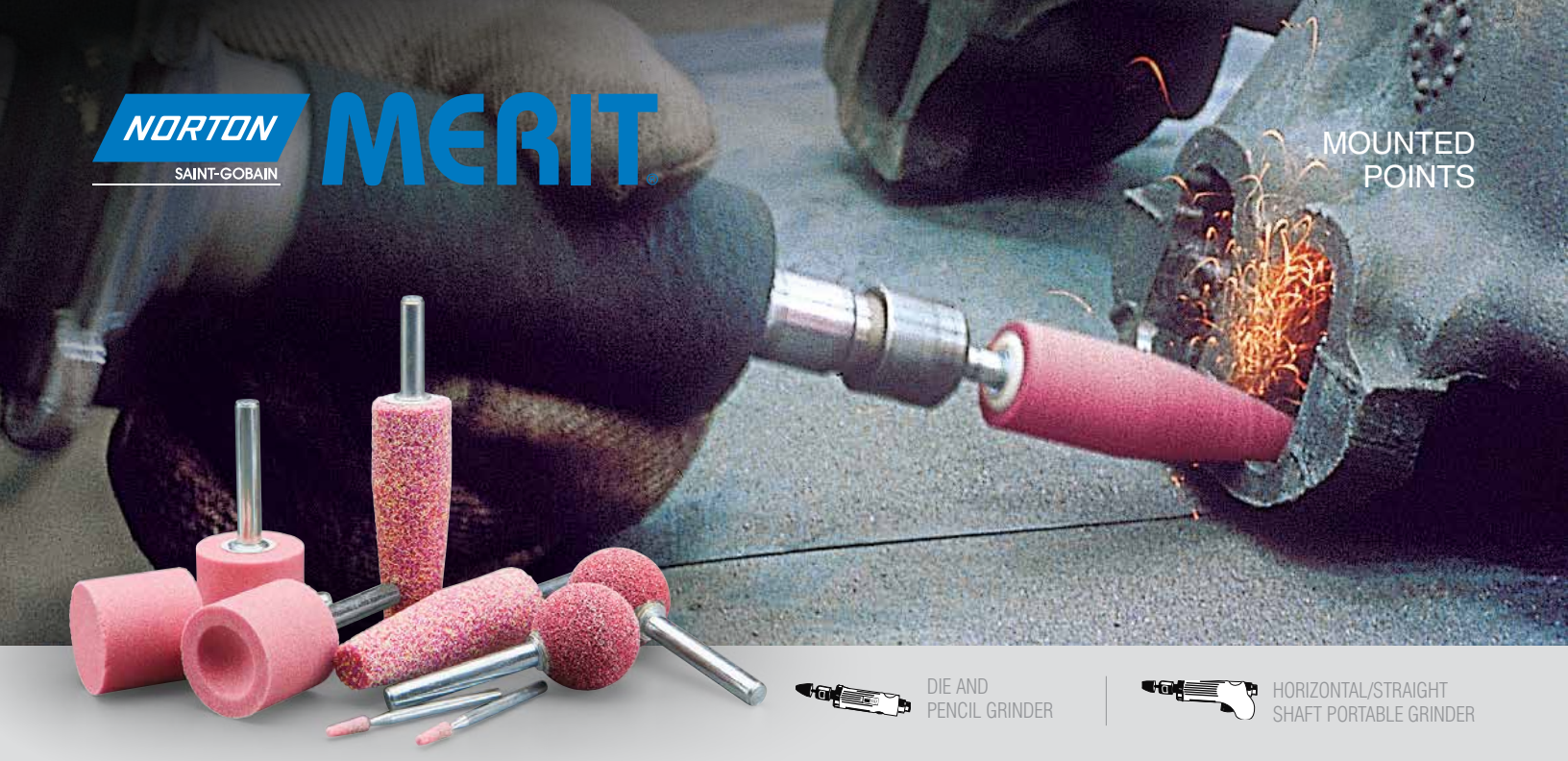
CROSS PAD SIZE DIA.	SQUARE PAD SIZE DIA.	OVERALL LENGTH	MODEL NO.	THD. SIZE	PART #
1/4", 3/8", and 1/2" wide		2-1/2"	MM48-4	3-48	088341 83162
3/4" and 1" wide	Up thru 1-1/2" sq. x 1/2" thick	3"	MM32-4	8-32	088341 83163
	2" sq. x 1/4" or 3/8" thick	4"	MM-32-4-4	8-32	088341 21680
		6"	MM-32-4-6	8-32	088341 21681
All pads 2-1/2" x 1-1/2" and larger	2" sq. x 1/4" or 1/2" thick and larger	3"	MM20-4	1/4"-20	088341 83164



QUICK-CHANGE MANDREL



EXTENDED MANDREL



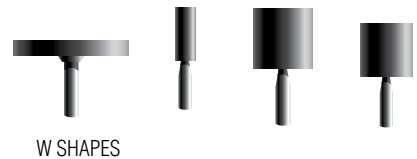
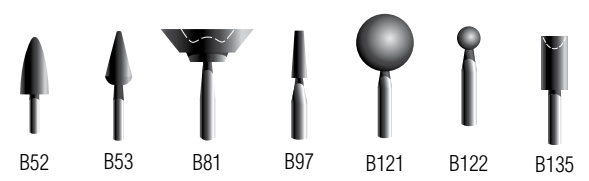
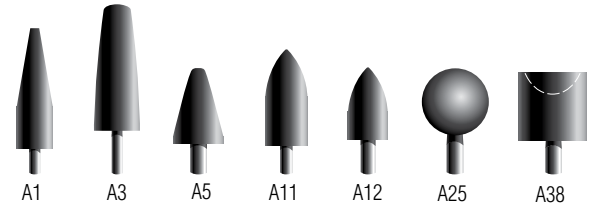
DIE AND PENCIL GRINDER

HORIZONTAL/STRAIGHT SHAFT PORTABLE GRINDER

Mounted Points

Used in a multitude of operations in almost every industry and on a variety of machines, mounted points are small grinding wheels permanently fastened to its own spindle. These vitrified bond mounted points are available in a wide range of shapes in the popular 86A aluminum oxide abrasive. These Norton Merit Pink mounted points provide a good combination of friability and form holding allowing quick stock removal, and finish.

SHAPE	SIZE (D x T)	SPINDLE DIA.	MAX. RPM	MIN./STD. PKG.	SPEC	PART #
Norton Merit Pink 86A Vitrified Bond Mounted Points – A Shapes						
A1	3/4" x 2-1/2"	1/4"	19,800	5/25	86A80-S	690786 45335
A3	1" x 2-3/4"	1/4"	16,100	5/25	86A80-S	690786 45333
A5	3/4" x 1-1/8"	1/4"	45,000	5/25	86A80-S	690786 45339
A11	7/8" x 2"	1/4"	19,860	5/25	86A80-S	690786 45336
A12	11/16" x 1-1/4"	1/4"	48,000	5/25	86A80-S	690786 45344
A25	1" Ball	1/4"	35,620	5/25	86A80-S	690786 45341
A38	1" x 1"	1/4"	34,500	5/25	86A80-S	690786 45345
Norton Merit Pink 86A Vitrified Bond Mounted Points – B Shapes						
B52	3/8" x 3/4"	1/8"	45,370	5/25	86A80-S	690786 45334
B53	5/16" x 5/8"	1/8"	60,000	5/25	86A80-S	690786 45340
B81	3/4" x 3/16"	1/8"	50,930	5/25	86A80-S	690786 45347
B97	1/8" x 3/8"	1/8"	105,000	5/25	86A80-S	690786 45337
B121	1/2" Ball	1/8"	45,370	5/25	86A80-S	690786 45338
B122	3/8" Ball	1/8"	61,650	5/25	86A80-S	690786 45360
B135	1/4" x 1/2"	1/8"	60,000	5/25	86A80-S	690786 45342
Norton Merit Pink 86A Vitrified Bond Mounted Points – W Shapes						
W163	1/4" x 1/2"	1/8"	60,000	5/25	86A80-S	690786 45346
W177	3/8" x 3/4"	1/8"	33,750	5/25	86A80-S	690786 45355
W185	1/2" x 1/2"	1/4"	61,500	5/25	86A80-S	690786 45354
W200	3/4" x 1/8"	1/8"	50,930	5/25	86A80-S	690786 45356
W220	1" x 1"	1/4"	25,500	5/25	86A80-S	690786 45359
W235	1-1/2" x 1/4"	1/4"	25,470	5/25	86A80-S	690786 45343



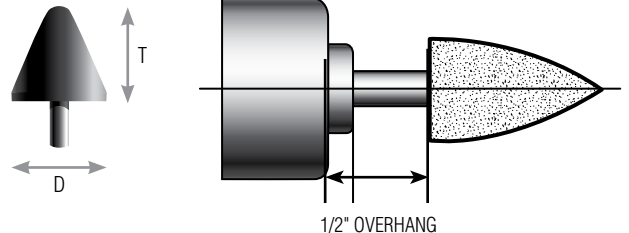
Measurement Guide

Description of Overhang

Overhang is the distance between the grinder chuck and the abrasive on the spindle. The larger the overhang, the lower the maximum safe operating speed.

Size

Measured by diameter (D) x thickness (T)



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.
Norton Die Grinder with 1/8" and 1/4" collets	699573 08000	1
Norton Die Grinder Kit*	699573 08001	1

This kit includes a standard offering to get you started with the Norton pneumatic die grinder. Boost performance with additional parts from the Norton Merit Pink line of specialties.

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**)

Norton Pneumatic Die Grinder Technical Specifications / Conformance:

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 soundpressure level at workstation	< 130 dB
• Measurement uncertainty (Standard)	3 dB
Vibration value according to EN ISO 28927-12:	
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.

NORTON

SAINT-GOBAIN

**MADE BY
MEE**

**INSPIRED BY
NORTON**

*Tijuana,
Mexico Facility*

IT'S NOT JUST A JOB

We're traveling across North America to introduce you to the people leaving their mark on the industry. These are the people behind the scenes of production for the products you rely on every day. Join us on this journey as we walk a day in their shoes at the Tijuana Mexico facility where the Norton Merit Pink flap wheels and specialties are made.

Follow Their Footprints At:

www.nortonabrasives.com/en-us/made-by-me



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