

MINI ANGLE GRINDER

The Norton pneumatic mini angle grinder for 50mm SpeedLok discs is ideal for deburring, sanding, blending and finishing. Small and compact enough to get into those hard-to-reach areas, and powerful enough to finish the job fast and efficiently.

Users can quickly change out sanding discs and finishing abrasives, whether they choose coated sanding discs in Best, Better and Good tiers, or non-woven discs in Better and Good, to save time and increase productivity. Perfect for metal fabrication, welding, transportation, aerospace industries.

FEATURES AND BENEFITS

- A double-bearing spindle generates superb concentricity to reduce vibrations, allowing for longer use and finer finishes
- The ultimate control in both precision and power with the speed regulator, ensuring you achieve a perfect finish
- Argonomic and streamlined non-slip grip provides superior tool handling & reduces fatigue



MINI ANGLE GRINDER +++



50mm (2") MAX RPM 22,000 (0.45 HP)

- Designed for use with the quick-change back-up pad and SpeedLok and mini flap discs.
- Use with 38mm and 50mm quick change sanding discs and spindle mounted sanding specialties only. The accessories must have a rated speed greater than the speed marked on the tool



EXHAUST DIRECTION	THROTTLE TYPE	HORSEPOWER	AIR CONSUMPTION (L/MIN)	COLLET CHUNK	TOOL WEIGHT	ART NO.
Rear	Level	0.45	85	6mm	0.74 kg	66261177765

TECHNICAL SPECIFICATIONS / CONFORMANCE

Specifications for: Norton Mini Angle Grinder

Type of tool: Angle Grinder

Dimension: for SpeedLok discs on diameters up to 50mm

Weight of tool: 0.742 kg

Compressed air: 6.2 bar (90psi)

Maximum permissible operating pressure: 6.2 bar (90psi)

Horsepower: 0.45 Free speed: 22,000 rpm

Air consumption @6.2 bar: 85 litres/min

Vibration value according to EN ISO 28927-3: 3.00 m/s²

Measurement uncertainty (Standard): 0.84 m/s²

Recommended lubrications: Air oil 20#

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

Grinding tool specifications:

- Pad size 50mm or smaller
- Collet Chuck 6mm

Applications & suitability: Final surface finishing, chamfering, deburring of architectural millwork, sheet metal and surface prep, zinc casting, aluminium products, injection moulds, etc. general high speed sanding and polishing.



MINI RIGHT ANGLE GRINDER **STARTER KIT**

COMPATIBLE WITH 50mm (2") DISCS MAX RPM 22,000 (0.45 HP)

 An assortment of 45 abrasive SpeedLok discs, of the most popular grades for stripping, deburring and surface blending, and the new Norton mini right angle die grinder



KIT CONTENTS	ITEM ART NO.	PK QTY	KIT ART NO.
50mm (2") NORTON MINI RIGHT ANGLE DIE GRINDER: MAX RPM 22,000 (0.45 HP)	66261177765	1	_
NORTON TOOL BAG: POLYESTER 600D, SIZE:56x31x45cm	-	1	
DIR ZMD 2"x0" R9101 NOR AOXC SL3 OR BZR+	66623303912	10	/0057200200
SPE ZMD 2" F980 NOR C36 LTB SL3 NA	66261058704	25	69957300298
DIB ZMD 2"x0" S2303 NOR VTME SL3B MA VR+	66623378342	10	
BU (ZMD) 50x6 SL3 hard NOR	63642586931	1	

MINI RIGHT ANGLE GRINDER & SPEEDLOK DISCS PROFESSIONAL KIT

COMPATIBLE WITH 50mm (2") DISCS MAX RPM 22,000 (0.45 HP)

- A complete assortment of our product SpeedLok disc range complete with mini angle grinder
- Includes samples of the most popular abrasive SpeedLok discs for all
 application stages from cleaning, deburring, blending up to surface preparation



KIT CONTENTS	ITEM ART NO.	PK QTY	KIT ART NO.
50mm (2") NORTON MINI RIGHT ANGLE DIE GRINDER: MAX RPM 22,000 (0.45 HP)	66261177765	1	
NORTON TOOL BAG: POLYESTER 600D, SIZE:56x31x45cm	-	1	
DIR ZMD 2"x0" R9101 NOR AOXC SL3 OR BZR+	66623303912	5	
SPE ZMD 2" F980 NOR C36 LTB SL3 NA	66261058704	5	
SPE ZMD 50 R980P NORTON C50 LTYH SL3 X	63642597045	5	
SPE ZMD 50 R980P NORTON C80 LTYH SL3 X	63642597052	5	/0057200200
FLD FXSP 50 R980 NOR C36 NMINI SL3	66261120103	5	69957300300
DIB ZMD 2"x0" S2303 NOR VTME SL3B MA VR+	66623378342	5	
DIB ZMD 2"x0" S2503 NOR VTVF SL3B BL VR+	66623378347	5	
UNW WZMD 2"x1/4"x0" U4401 NOR SIFI2 SL3+	63642585677	5	
BU (ZMD) 38x6 SL3 medium NOR	63642556629	1	
BU (ZMD) 50x6 SL3 hard NOR	63642586931	1	





Air tools require regular lubrication throughout the life of the tool. The air motor and bearing use compressed air to power the tool. Because moisture in compressed air will rust the air motor, it must be lubricated daily.

An inline oiling device is recommended.

Before using the machine add 1-2 drops of oil in the machine air inlet.



This in an UNGUARDED tool and should NEVER be used with cut-off discs or other bonded abrasive grinding wheels. Never use any product that has a MAX RPM rating less that the RPM marked on the tool.



PRODUCT SELECTION GUIDE

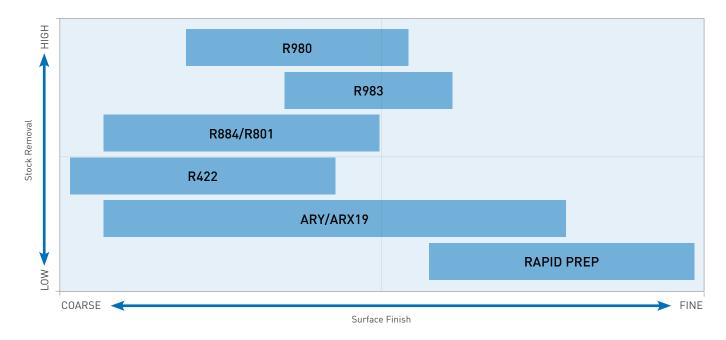
performance at a recommended speed of 15-35m/s.

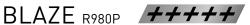
Highly recommended	RES					
MATERIALS	BLAZE R980P	NEW RED HEAT R983	X-TREME R884P	X-TREME + R801	NEW X-TREME S R422	BDX ARY/ARX19
	+++++	++++	++++	++++	++++	+++
Stainless steel, inox	•	•		•		
Titanium, inconel & super alloys	•	•		•		
Carbon, construction & mild steel	•	•	•	•		•
Cast iron	•	•	•	•		•
Non-ferrous metal (brass/aluminium)			•			•
Hard wood			•		•	•
Soft wood					•	•
Composite materials		-			•	•
Stone, concrete					•	•
Glass, plastic					•	•



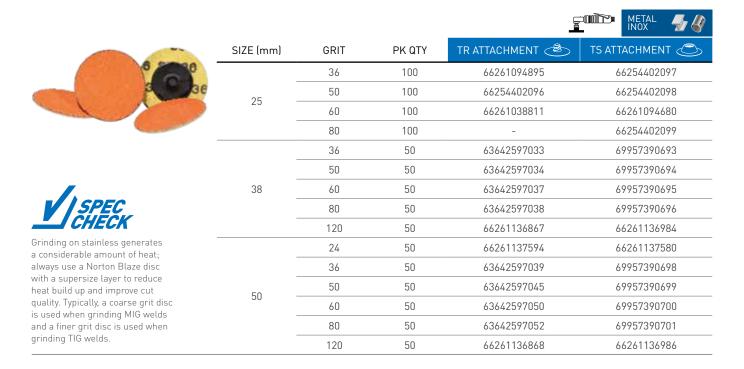


PRODUCT COMPARISON CHART





- The best choice for part cut & finish on stainless steel, inconels, chromium cobalt, titanium and extremely hard materials
- Aggressive disc removes all defects quickly
- Provides the coolest cut and significantly faster cut rates
- For the greatest durability, longest life, and edge-fray resistance on tough applications and stainless steel



BLAZE R980P FIBRE



- The best choice for very tough applications
- Heaviest fibre backing for greater stock removal, longer life and edge-fray resistance



SIZE (mm)	GRIT	PK QTY	TR ATTACHMENT
	36	25	66261058704
50	50	25	66261058705
	60	25	66261058706

NEW RED HEAT R983 +++++



- High performance ceramic discs, laminate free for extra flexibility when working on curves and contours
- For use in medium pressure applications

• New advanced grain formulation & improved backing for excellent cut rate and longer life



SIZE (mm)	GRIT	PK QTY	TR ATTACHMENT	TS ATTACHMENT
	36	50	66261151081	66261151028
	50	50	66261151082	66261151036
50	60	50	66261151083	66261151038
	80	50	66261148410	66261151044
	120	50	66261151084	66261151046



The new Red Heat speedlok discs are laminate free for extra flexibility, ideally when working on curves and contours





X-TREME R884P



- The better choice for use on hard steels, carbon steel, welds and wood
- Versatile, self-sharpening zirconia alumina plus grain for high stock removal rate on rough grinding and deburring of steel and stainless steel
- Provides aggressive cut and longer life than competitor zirconia alumina discs
- Advanced grain coating results in longer life and faster cut

_	SIZE (mm)	GRIT	PK QTY	TR ATTACHMENT 🍣	TS ATTACHMENT 🖎
		36	50	63642560879	63642549604
	38	50	50	63642560880	66261138622
	30	60	50	-	63642549607
QA 3		80	50	66261137001	63642549606
	50 - -	36	50	63642560882	63642549747
		50	50	69957389455	69957360306
		60	50	63642556396	63642549748
		80	50	63642560884	63642549749
		120	50	63642560885	66261115917

NEW X-TREME+ R801



- For demanding grinding applications, the supersize grinding aid facilitates a cooler cut on stainless steel, titanium and other exotic alloys, improving part quality & finish
- Heavy Y-weight polyester backing provides excellent durability and grain adhesion
- Premium, self-sharpening zirconia alumina plus grain ensuring the disc remains sharper for longer, increasing usage time and driving down overall process cost
- High removal rate when used on stainless steel

					METAL INOX
	SIZE (mm)	GRIT	PK QTY	TR ATTACHMENT	TS ATTACHMENT 😂
36 36		36	50	63642556405	63642556399
0 6		50	50	63642587202	63642587194
16 A DOMES	50	60	50	63642556407	63642556403
ALL STREET	,	80	50	63642587207	63642587203
		120	50	63642587208	63642587204

NEW X-TREME S R422



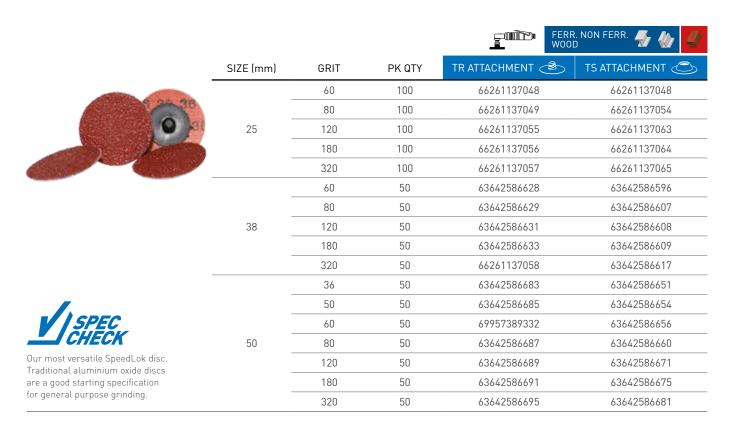
- A great choice for brass, non-ferrous materials, stone, glass and fibre reinforced plastics
- Ideal solution for grinding titanium and non-ferrous aircraft and engine parts
- Sharp premium silicon carbide abrasive for a good cut rate throughout the life of the disc
- Good material removal in both low or medium pressure applications

NON FERR. STONE,

				GLASS, WOOL		
	SIZE (mm)	GRIT	PK QTY	TR ATTACHMENT	TS ATTACHMENT	
		60	50	66261137013	66261137033	
	38	80	50	66261137024	66261137037	
		120	50	66261137027	66261137040	
	_	60	50	66261137014	66261137034	
	50	80	50	66261137025	66261137038	
		120	50	66261137028	66261137042	

BDX ARY19

- For hard to grind materials that require an economical option
- Aggressive cut and longer life than other aluminium oxide discs
- Good cut rate and improved life on moderately-demanding applications
- Resistant to edge wear and fraying



MADE-TO-ORDER PRODUCT AVAILABILITY

CAP CODE	GRAIN / GRIT	24	36	40	50	60	80	100	120	150	180	240	320
Blaze R980P	Ceramic with supersize	•	•	•	•	•	•	•	•				
Xtreme R884P	Zirconia	•	•		•	•	•		•				
Xtreme + R801	Zirconia with supersize		•	•	•	•	•	•	•				
Xtreme S R422	Silicon carbide		•	•	•	•	•	•	•	•			
BDX ARY19	Aluminium oxide	•	•	•	•	•	•	•	•	•	•	•	•

Available

MINIMUM ORDER QUANTITY

SIZE (mm)	MINIMUM ORDER QUANTITY
25	500 pieces
38	500 pieces
50	250 pieces



MINI FLAP DISCS

Ideal for weld dressing on small and difficult to access areas as well as general stock removal, deburring, flashing, blending and finishing. Mini flap discs have long life and minimise downtime by increasing productivity.

The SpeedLok fastener makes it quick & easy to change discs by locking securely to the back-up pad, so no slipping or release is caused by heat build-up. The TR attachment system ensures the disc is properly centered and vibration free. Best performance is achieved at a recommended speed of 30-40m/s. This optimises stock removal, surface finish, thermal load of the workpiece & tool wear.

PRODUCT SELECTION GUIDE

Highly recommended Recommended

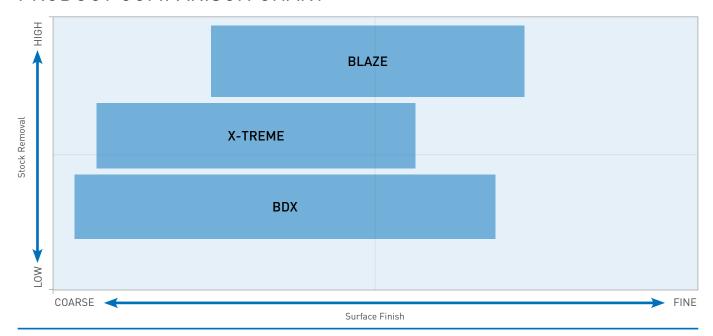






	BLAZE	X-TREME	BDX
	++++	++++	+++
Stainless steel, inox & duplex	•	•	
Inconel, titanium & super alloys	•	•	
Carbon steel, construction steel & mild steel	•	•	•
Cast iron	•	•	•
Non-ferrous metal (brass/aluminium)		•	•
Hard & soft wood		•	•

PRODUCT COMPARISON CHART



BLAZE R980P



- For stainless steel and super alloys
- Provides longer life compared to any mini flap disc when used on stainless, titanium & super alloys
- Extremely aggressive ceramic grain for noticeably faster cut rate
- Supersize layer for a cooler cut and reduced heat generation during use, providing better part quality and no burn marks







SIZE (mm)	GRIT	PK QTY	TR ATTACHMENT	BACK-UP PAD
	36	10	66261120103	
F0	40	10	66261120104	/2//255//20
50 -	60	10	66261120109	63642556629
-	80	10	66261120110	



Grinding on stainless generates a considerable amount of heat; always use a Norton Blaze mini-flap disc with supersize layer (cooling aid) to reduce heat generation and improve cut and finish. Typically, a coarse grit disc is used when grinding MIG welds and a finer grit disc is used when grinding TIG welds.

X-TREME R828



- Ideal for carbon steel and welds
- Strong zirconia alumina plus for high stock removal rate on rough grinding and deburring of steel and stainless steel
- Delivers aggressive cut rate and longer life on carbon steel and welds

FERR. NON

Prevents loading on aluminium and other soft materials



				tititoos, iitox
SIZE (mm)	GRIT	PK QTY	TR ATTACHMENT	BACK-UP PAD
	40	10	66261180892	
50	60	10	66261180893	63642556629
	80	10	66261180894	

FLEXI FLAP

- Also available in mini flexi-flap disc, which adapts to contours and corners.
- The flexible cloth and disc construction is ideal for an improved finish and operator comfort during use.

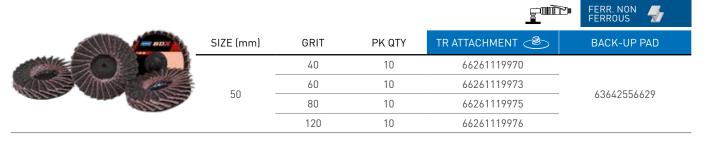


SIZE (mm)	GRIT	PK QTY	TR ATTACHMENT 🍮	BACK-UP PAD
	40	10	66261180889	
50	60	10	66261180890	63642556629
	80	10	66261180891	





- A good choice for aluminium, carbon steel & difficult-togrind materials that require an economical option
- For aggressive cut and longer life than competitor aluminium oxide discs
- For longer life and faster cut rate on moderately demanding applications



MADE-TO-ORDER PRODUCT AVAILABILITY

CAP CODE	GRAIN / GRIT	TS ATTACHMENT 🗢
Blaze R980P	Ceramic	•
X-treme R828	Zirconia	•
BDX R766	Aluminium oxide	•

Available

MINIMUM ORDER QUANTITY

SIZE (mm)	MINIMUM ORDER QUANTITY
50	100 pieces





Norton non-woven SpeedLok quick-change discs are a combination of strong synthetic mesh and quality abrasives, bonded together by a smear-resistant adhesive. The open construction of the non-woven material enables aggressive cutting action and improved surface finish while maintaining its non-loading properties.

PRODUCT SELECTION GUIDE

Highly recommended Recommended











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	RAPID STRIP	VORTEX RAPID BLEND	VORTEX RAPID PREP	RAPID PREP	RAPID BLEND NEX
	++++	++++	++++	+++	+++
Scale	•	'			
Stock removal	•	•			
Heavy deburring	•	•			
Light deburring		•	•		
Light finishing			•	•	•
Blending			•	•	•
Finishing			•	•	•

MOST AGGRESSIVE LEAST CONFORMABLE LEAST AGGRESSIVE MOST CONFORMABLE



BLAZE RAPID STRIP #++++



- Ideal for removing coatings on a variety of surfaces
- With ceramic alumina grain, disc lasts 2x longer than competitor
- Cleans surface thoroughly for excellent adhesion of coatings, painting and soldering
- Withstands aggressive use whilst preventing gouging





DIA (mm)	CAP CODE	GRADE	PK QTY	TR ATTACHMENT	TR+ ATTACHMENT 🕹
50	R9101	X Coarse SG	25	66623303912	-

RAPID STRIP



- General purpose, for removing coatings
- Cleans surface thoroughly for excellent adhesion of coatings, painting and soldering
- Extra-coarse abrasive grain for aggressive performance
- Anti-loading even on sticky coatings, adhesives, and soft metals





	DIA (mm)	CAP CODE	GRADE	PK QTY	TR RAPID STRIP 🍮	TR STRIPPA 🍮
	E0.	R4101	X Coarse S	10	63642588173	-
	50	R4104	X Coarse S	10	-	63642556605



From material removal to final smear free finish with just one disc! With their uniquely compact design, Rapid Blend discs are ideal for quick deburring, edge breaking, blending, cleaning and polishing. Can be used in sequence with fibre discs and flap discs when removing surface defects, conditioning grindlines and general light stock removal.

VORTEX RAPID BLEND OPEN STRUCTURE



- Soft and open density of nylon fibre impregnated with patented grain technology and advanced resin system
- Prevents loading, even on aluminium

- Special resin chemistry resists shedding when used on sharp edges, making it ideal for deburring, no smearing
- Longer life than other surface blending discs (up to 8x) means fewer disc changes for less down time and increased productivity





DIAxT (mm)	CAP CODE	GRADE	PK QTY	TR ATTACHMENT
25x6	U2311	Medium	100	66254497806
38x6	U2311	Medium	80	66254497807
50x6	U2311	Medium	25	66254497067

VORTEX RAPID BLEND CLOSED STRUCTURE



- Closed structure of grain and bond provides fast stock removal, reduced cycle time and excellent part quality
- Thick nylon web holds the grain in place to provide the most consistent performance for the whole life of the disc
- Special curing process ensures the disc will not break down in heavy deburring applications
- Discs maintain form holding for use on all surfaces, shapes and contours





	DIAxT (mm)	CAP CODE	GRADE	PK QTY	TR ATTACHMENT
		U2305	ЗАМ	60	66254428237
5	50x6	U2305	5AM	60	66254413660
		U2305	7AM	60	66254433510



RAPID BLEND NEX



- Strong mesh, abrasive and smear resistant adhesive provides aggressive cut and good surface finish without loading
- Abrasive is distributed through the entire disc (top, bottom and sides) so all three faces can be used
- Versatile, comfortable and easy to use without risk of change to workpiece geometry.
- Excellent for light deburring of flashing & threads, blending alloys, polishing & finishing. Can be preformed. Holds shape
- Bright finish on stainless steel with improved 2SF and 3SF specification





DIAxT (mm)	CAP CODE	GRADE	PK QTY	TR ATTACHMENT
	U2301	2 A Medium	10	63642585684
	U2301	6 A Medium	10	63642585725
50	U4401	2 S Fine	10	63642585677
	U4401	3 S Fine	10	66254473613
	U4401	4 A Fine	10	63642585679



Non-woven discs have three components: strong synthetic fibre mesh, quality abrasives, and a smear-resistant adhesive. Rapid Prep discs have an open weave that excels in surface preparation and cleaning applications, thanks to a coating system that reduces smearing and resists loading. Each disc combines the cutting speed of a coarse grit with the finish of a fine and so provides the lowest total cost of consumable tooling per workpiece. The thick layer of grain throughout the product extends the life of the disc.

VORTEX RAPID PREP SCM



- For cleaning and conditioning, gain higher material removal, longer life and consistent, smear-free finishes, even on high nickel content alloys
- Proprietary engineered Vortex aluminium oxide abrasive grain and coating method combine maximum cutting speed with the consistent finish of finer grades to reduce process times by 50%+ by combining multiple grit sequences into one step
- Up to 4x longer life than competitor products, material removal level is maintained throughout disc life, reducing the need for rework & reducing total consumable cost
- The Clean Bond™ resin system ensures surfaces stay smear-free, even on alloys with high nickel content, aluminium and soft metals, loading is prevented





DIAxT (mm)	CAP CODE	GRADE	PK QTY	TR ATTACHMENT 🍮
	S2103	Extra coarse	50	66623378336
	S2203	Coarse	50	66623378340
50	S2303	Medium	50	66623378342
	S2403	Fine	50	66623378345
_	S2503	Very fine	50	66623378347
				and the state of t

Other sizes and grades available MTO

RAPID PRFP A/O SCM ++++



- For general purpose cleaning and conditioning, gain high material removal, long life and consistent, smear-free finishes, even on high nickel content alloys
- The layer of grain throughout the product extends life as the grain does not sit on top of fibres
- Flexible backing enables the disc to conform to contours
- The Clean Bond™ resin system ensures surfaces stay smear-free, even on alloys with high nickel content, aluminium and soft metals, loading is prevented





DIAxT (mm)	CAP CODE	GRADE	PK QTY	TR ATTACHMENT
	S2108	Extra coarse	50	66623378355
	S2208	Coarse	50	66623378359
50 _ _ _	S2308	Medium	50	66623378363
	S2408	Fine	50	66623378366
	S2508	Very fine	50	66623378372



Final scratch removal and imparting a high quality shine are often the last stages in a fabrication process and polishing is easy with Norton BearTex buffing discs and Rapid Polish discs. Whether you're working on aluminium or stainless steel, in intricate or hard to reach areas Norton has a solution for you.

HIGH STRENGTH BUFFING DISC



- Tough, yet conformable, resists tearing on burrs and sharp edges
- Follows contours and awkward profiles easily.
- Premium aluminium oxide grain for aggressive blending and cleaning without smearing
- Ideal for rust/oxide or coating removal, pipe ID and OD polishing, casting cleaning, highlighting (antiquing), contaminant removal, removal of handling marks, gasket removal, cleaning and blending of surface imperfections, prepping prior to soldering, removal of filling materials, cleaning angles and odd shapes.
- Will not stretch or shed





DIAxT (mm)	CAP CODE	GRADE	PK QTY	TR ATTACHMENT 🍮
50	F2303	Medium A	50	63642585924
	F2506	Very Fine A	50	08834163987

RAPID POLISH



- Polishing is the final stage in the process, to achieve a glossy, high shine finish
- Use on all metals including stainless steel & aluminium
- Removes fine scratches
- Impart a high quality mirror shine





DIAxT (mm)	GRADE	PK QTY	TR ATTACHMENT
50	Medium A	50	63642587165





RUBBER BACK-UP PADS FOR MINI ANGLE GRINDER 6mm SPINDLE

SIZE (mm)	DENSITY	MAX. RPM	PK QTY	TR ATTACHMENT 🍣	TS ATTACHMENT 😂
15	Medium	38100	1	-	66254401994
25	Medium	38100	1	63642556628	7660718963
38	Medium	25100	1	63642556629	7660707032
50 -	Medium	19000	1	7660717817	63642501157
	Hard	19000	1	63642586931	63642586926
75 -	Medium	12800	1	63642556631	7660707384
	Hard	12800	1	66254401460	63642586932



Medium density suitable for medium/fine applications such as edge rounding or surface grinding. **Hard density** suitable for coarse applications and higher stock removal such us chamfering, welded seam or deburring work.

NOTES	

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