

FLAP DISCS

MACHINE USED



CATEGORY DEFINITION

Flap discs are versatile grinding and finishing tools, consisting of three main components: a backing plate, adhesive, and abrasive cloth flaps. The rectangular flaps are overlapped and glued to the backing plate. Flap discs are designed for right angle grinder applications ranging from heavy stock removal to surface blending.

APPLICATIONS:	Grinding, stock removal, edge chamfering/beveling, weld blending, deburring/deflashing, rust removal, blending, cleaning and finishing
SIZE RANGE:	4": 5/8" hole 4-1/2" - 7": 5/8"-11 discard mount, 7/8" hole, and 2" - 3" quick-change
GRIT RANGE:	24 - 120
ABRASIVE GRAIN:	Ceramic Alumina, Zirconia Alumina, Aluminum Oxide,
ABRASIVE FLAPS:	Polyester or cotton
FLAP DISC SHAPE:	Type 27 Flat and Type 29 Conical
ABRASIVE FLAP DENSITY:	Standard or high
BACKING PLATE MATERIAL:	Fiberglass and plastic

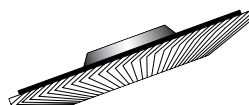
FLAP DISC SHAPES



GRIND AT FLATTER ANGLES:
0° - 15°

Type 27 Flat – The Best Choice for Finishing

- Used primarily on flat surfaces
- The best choice for blending and smooth finishing



GRIND AT STEEPER ANGLES:
15° - 25°

Type 29 Conical – The Best Choice for Aggressive Stock Removal

- Conical flap discs have angled flaps and may be used on both contoured and edge work
- The angle provides greater surface contact for stock removal on flat surfaces
- The best choice when speed and stock removal are primary considerations

ABRASIVE FLAP DENSITIES

**Standard Density**

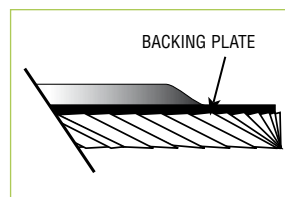
- Excellent for heavy-duty applications and rapid stock removal

**High Density**

- Ideal when working on uneven or curved surfaces, as well as finer grit blending

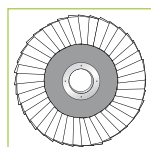
BACKING PLATE MATERIALS

All flap discs are a combination of abrasive flaps adhered to a rigid backing plate. It is the backing plate that provides stability during operation. There are two main materials used: fiberglass and plastic. The fiberglass backing plate, along with the flap shape, helps to absorb vibration and is consumed during use with no smearing. Fiberglass is the most popular material because of its high strength and light weight. The plastic backing plate offers some additional conformability and is trimmable.

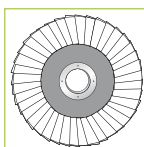
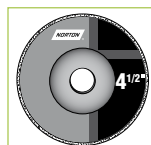


WHY CHOOSE FLAP DISCS?

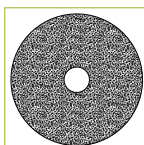
Flap discs replace both grinding wheels and fiber discs. The same flap disc can be used for applications ranging from stock removal to blending.

**Flap Discs vs. Grinding Wheels**

- Faster stock removal
- Smoother finish, no gouging
- Cooler cutting, less glazing
- Lightweight, easier to control
- Less vibration, less operator fatigue
- Reduced noise

**Flap Discs vs. Fiber Discs**

- 20X longer life, reduced abrasive cost
- Fewer disc changes, reduced labor cost
- More consistent finish
- No back-up pad required
- Easier storage, no curling
- Reduced loading
- Use flap discs one grit size coarser than fiber discs, except in 36 grit.



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FEATURED PRODUCTS



EXPANDED OFFERING

NORTON BLAZE R980P

BEST/HIGHEST PRODUCTIVITY FOR STAINLESS STEEL, TITANIUM, AND SUPER ALLOYS

FEATURES

- Latest-generation ceramic alumina abrasive grain
- Y-weight polyester flaps with a supersize grinding aid
- Durable fiberglass back on Type 29 and Type 27 HD
- Orange, flexible plastic backing plate on Type 27 Quick Trim
- NEW! 2" and 3" quick-change mini flap discs

BENEFITS

- Last 50% – 200% longer than any flap discs on stainless steel, cobalt, chrome, Inconel, titanium and other hard-to-grind materials
- Significantly improve life, grain retention, and fray resistance while providing a cool, noticeably fast cut rate
- High strength, lightweight, absorbs vibration
- The industry standard for trimmability
- Ideal for tight spaces

**NORTON RED HEAT R961**

BEST/HIGH PRODUCTIVITY FOR MILD CARBON STEEL, AND FERROUS METALS

FEATURES

- Premium ceramic and zirconia alumina abrasive blend
- Durable, fiberglass back on Type 29
- Red, flexible plastic backing plate on Type 27 Quick Trim

BENEFITS

- Excellent performance and efficiencies on mild carbon steel and ferrous metal/cast iron applications
- High strength, lightweight, absorbs vibration
- The industry standard for trimmability



EXPANDED OFFERING

NORTON BLUEFIRE R884P

BETTER CHOICE FOR MILD CARBON STEEL, AND WELDS

FEATURES

- High performance zirconia alumina plus abrasive
- Polyester flaps with semi-open coat
- Durable, fiberglass back on Type 29 and NEW Type 27 HD
- Blue, flexible plastic backing plate on Type 27 Quick Trim
- NEW! Vendible 2-disc package
- NEW! 2" and 3" quick-change mini flap discs

BENEFITS

- Aggressive cut and long life
- Up to 30% longer life than competitive zirconia alumina products
- Improved durability and retards loading on aluminum
- High strength, lightweight, absorbs vibration
- The industry standard for trimmability
- ideal for vending machines, small jobs, or carrying to a job site
- Ideal for tight spaces

**NORTON NEON R766**

GOOD CHOICE FOR ALUMINUM, BRASS, BRONZE, STAINLESS, CARBON STEEL, AND TITANIUM

FEATURES

- Alternating aluminum oxide (black) and zirconia alumina (blue) flaps
- New resin system and alternating Y-weight polyester and cotton flaps
- Unique grain coating
- Fiberglass back on Type 29 and Type 27 HD
- Green, flexible plastic backing plate on Type 27 Quick Trim

BENEFITS

- Ideal when purchasing criteria is a good-performing, economically-priced, general purpose disc
- Improved base adhesion and 30%+ improvement in life over key competitors' aluminum oxide flap discs
- Stand up on light- to moderately-demanding applications
- Longer life and faster cut rate
- High strength, lightweight, absorb vibration
- The industry standard for trimmability



NEW

NORTON METAL R828

GOOD CONSISTENT PERFORMANCE WITH LOW INITIAL PRICE

FEATURES

- Durable zirconia alumina abrasive

BENEFITS

- Maximum cut rate and life with consistent finish

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AVAILABILITY

TIER:					
BRAND:	Norton	Norton	Norton	Norton	Norton
TRADENAME:	BLAZE R980P	BLAZE R980P	RED HEAT R961	BLUEFIRE R884P	BLUEFIRE R884P
SHAPE:	Type 27 Flat	Type 27 Flat	Type 27 Flat	Type 27 Flat	Type 27 Flat
FLAP DENSITY:	Standard	High	Standard	Standard	High
ABRASIVE:	Ceramic Alumina	Ceramic Alumina	Ceramic Alumina/ Zirconia Alumina	Zirconia Alumina Plus	Zirconia Alumina Plus
BACKING PLATE:	Quick Trim Plastic	Fiberglass	Quick Trim Plastic	Quick Trim Plastic	Quick Trim Plastic
OTHER:	Supersize	Supersize			

SIZE (D x H)	GRIT	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #	PART #
Type 27 Flat								
4 x 5/8	40	15,300	10			63642536153		
	60	15,300	10			63642536154		
	80	15,300	10			63642536155		
4-1/2 x 5/8-11	36	13,300	10		6625449894	66623399163*	66623399136	
	36	13,300	10 				66623341086 2-Pack	
	40	13,300	10	66254400257	66261098290	63642536147*	66623399137	77696090086
	60	13,300	10	66254400258	66261096435	63642536148*	66623399138	77696090087
	60	13,300	10 				66623341087 2-Pack	
	80	13,300	10	66254400259	66261096436	63642536149*	66623399139	77696090088
	80	13,300	10 				66623341088 2-Pack	
	120	13,300	10	66254400261		66623399164*		
4-1/2 x 7/8	36	13,300	10	63642501865	66261097678	63642504876	66623399140	77696090081
	36	13,300	10 				66623341089 2-Pack	
	40	13,300	10	66254400253	66261020628	63642504877	66623399141	77696090082
	60	13,300	10	66254400254	66261020633	63642504878	66623399142	77696090083
	60	13,300	10 				66623341090 2-Pack	
	80	13,300	10	66254400255	66261020634	63642504879	66623399143	77696090084
	80	13,300	10 				66623341091 2-Pack	
	120	13,300	10	66254400256		63642505279		77696090085
5 x 5/8-11	36	12,000	10			66623399165*	66623399144	
	36	12,000	10 				66623341092 2-Pack	
	40	12,000	10	77696090141		66254491941*	66623399145	
	60	12,000	10	77696090142		66254491942*	66623399146	
	60	12,000	10 				66623341093 2-Pack	
	80	12,000	10	77696090143		66254491943*	66623399147	
	80	12,000	10 				66623341094 2-Pack	
	120	12,000	10	77696090144		66623399166*		
5 x 7/8	36	12,000	10			63642505281	66623399148	
	36	12,000	10 				66623341095 2-Pack	
	40	12,000	10	66254400262		63642505282	66623399149	
	60	12,000	10	66254400264		63642505283	66623399150	
	60	12,000	10 				66623341096 2-Pack	
	80	12,000	10	66254400265		63642505284	66623399151	
	80	12,000	10 				66623341097 2-Pack	
	120	12,000	10	66254400519		63642505285		
6 x 5/8-11	40	10,200	10			66623399167*		
	60	10,200	10			66623399168*		
	80	10,200	10			66623399169*		
6 x 7/8	36	10,200	10				66623399152	
	40	10,200	10			66623399024	66623399153	
	60	10,200	10			66623399025	66623399154	
	80	10,200	10			66623399026		
	120	10,200	10			66623399027		
7 x 5/8-11	36	8,600	10			66623399170*	66623399155	
	36	8,600	10 				66623341098 2-Pack	
	40	8,600	10	66254461066		63642536150*	66623399156	77696090092
	60	8,600	10	66254461067		63642536151*	66623399157	77696090093
	60	8,600	10 				66623341099 2-Pack	
	80	8,600	10	66254461068		63642536152*	66623399158	77696090094
	80	8,600	10 				66623341100 2-Pack	
	120	8,600	10	66254461069		66623399171*		
7 x 7/8	36	8,600	10	63642501866		63642504880	66623399159	
	36	8,600	10 				66623341101 2-Pack	
	40	8,600	10	66254461059		63642504881	66623399160	77696090089
	60	8,600	10	66254461060		63642504882	66623399161	77696090090
	60	8,600	10 				66623341102 2-Pack	
	80	8,600	10	66254461061		63642504883	66623399162	77696090091
	80	8,600	10 				66623341103 2-Pack	
	120	8,600	10	66254461063		66623399172		

* 5/8-11 (HUBBED) RED HEAT FLAP DISC STD. PKG. QUANTITY = 5
 = VENDIBLE PACKAGE. IDEAL FOR VENDING MACHINES & SMALL JOBS. 2 FLAP DISCS/PACK, 5 PACKS/CARTON. ORDER IN MULTIPLES OF 10.