



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.

**Applications:**

Used for a wide range of metal fabrication and welding applications including stock removal, blending, deburring, cleaning, finishing, and polishing

**Size Range:**

Flap wheels with mounted steel shanks: 3/8" - 3" diameter

Flap wheels with mounted 1/4"-20 thread: 1" - 3" diameter

Flap wheels with arbor holes: 3" - 16" diameter

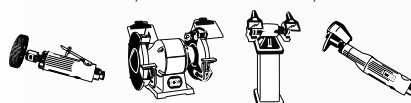
**Grit Range:**

40 - 320

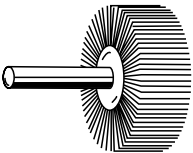


**Abrasive Grain:**

Ceramic Alumina, Aluminum Oxide Blend, Aluminum Oxide

**Machine Used:**



## SHAPE RECOMMENDATION GUIDE

Shape	Description/Application
	<b>Flap Wheels with Mounted Steel Shanks</b> 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.
	<b>Flap Wheels with Mounted 1/4-20 Thread</b> 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.
	<b>Flap Wheels with Arbor Holes</b> For use on larger portable and fixed-base tools where the wheel must fit on an existing arbor.

## APPLICATION/GRIT RECOMMENDATION GUIDE

COARSER (GRINDING)				FINER (FINISHING)			
40	50	60	80	120	180	240	320
Blending Out Heavy Machine Marks							
Removing Heavy Burrs							
Applying Heavy Scratch Pattern							
Removing Flash/Parting Lines							
Removing Rust/Scale/Pit Marks							
	Preparing Metal for Painting						
	Blending Out Medium Machine Marks						
			Blending Metal Surfaces				
			Applying Light Scratch Pattern				
					Fine Blending and Cleaning		
						Metal Finishing and Polishing	
NORTON BLAZE, NORTON R369, MERIT HIGH PERFORMANCE				NORTON METAL, MERIT ALUMINUM OXIDE		INTERLEAF	

See Non-Woven Flap Wheel section for Interleaf 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



**NEW**

## 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



**NEW**

## MERIT HIGH PERFORMANCE ALUMINUM OXIDE BLEND

**BETTER CHOICE FOR MORE DURABLE FLAP WHEEL APPLICATIONS WHERE AGGRESSIVE CUT AND SUPERIOR LIFE ARE REQUIRED**

### FEATURES

- Long-lasting aluminum oxide abrasive grain blend
- Heavy cotton backing

### BENEFITS

- Aggressive cut and 2 to 3 times longer life
- Extended durability for added life and reduced edge wear



## 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



**NEW**

## MERIT ALUMINUM OXIDE

**GOOD CHOICE WHEN INITIAL PRICE IS THE MAIN CONSIDERATION**

### FEATURES




- Quality aluminum oxide abrasive
- Engineered, low-cost cotton backing
- Low initial price point

### BENEFITS

- Good cut rate and life
- Longer life and wear resistance
- Best starting specification for end-user unable to measure total performance



## Mini Flap Wheels with 1/4" Mounted Steel Shanks (continued)

								
				<b>BEST</b>	<b>BETTER</b>	<b>BETTER</b>	<b>GOOD</b>	<b>GOOD</b>
				<b>BLAZE R920</b>	<b>R369</b>	<b>HIGH PERFORMANCE</b>	<b>METAL R207</b>	<b>ALUMINUM OXIDE</b>
				Ceramic Alumina	Premium Aluminum Oxide Blend	Aluminum Oxide Blend	Aluminum Oxide	Aluminum Oxide
				P-Graded	P-Graded		P-Graded	
SIZE (D x W x SK.)	GRIT	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #	PART #
2 x 1 x 1/4	40	25,000	10		66623399094	08834137377		08834149824
	50	25,000	10			08834137169		
	60	25,000	10	66261151173	69957394183	08834137370	63642502600	08834149825
	80	25,000	10	66261151174	69957394184	08834137371	63642502601	08834149826
	120	25,000	10	66261151175	69957394185	08834137372	63642502602	08834149827
	180	25,000	10		66623399095	08834137373		08834149828
	240	25,000	10		66623399096	08834137374		
2 x 1-1/2 x 1/4	320	25,000	10		66623399097	08834137375		
	40	25,000	10			08834137183		
	60	25,000	10		66623399098	08834137380		
	80	25,000	10		66623399099	08834137381		
	120	25,000	10		66623399100	08834137382		
2-1/2 x 1/2 x 1/4	180	25,000	10			08834137383		
	60	20,000	10		66623399259			
2-1/2 x 1 x 1/4	80	20,000	10		66623399260			
	40	20,000	10			08834137408		
2-1/2 x 1-1/2 x 1/4	60	20,000	10		66623399262	08834137410	63642502608	
	80	20,000	10		66623399263	08834137411	63642502609	
	120	20,000	10		66623399264	08834137412	63642502610	
	180	20,000	10			08834137413		
	240	20,000	10			08834137633		
	320	20,000	10			08834137415		
	60	20,000	10			08834137420		
3 x 1/2 x 1/4	80	20,000	10			08834137421		
	120	20,000	10			08834137422		
	60	20,000	10		66623399265		63642502612	08834149834
3 x 3/4 x 1/4	80	20,000	10		66623399266		63642502613	08834149835
	120	20,000	10		66623399268		63642502614	
	60	20,000	10			08834137440		
3 x 1 x 1/4	80	20,000	10			08834137441		
	40	20,000	10		66623399104	08834137456		08834149836
	60	20,000	10	66261151176	69957394186	08834137450	63642502620	08834149837
	80	20,000	10	66261151177	69957394187	08834137451	63642502621	08834149838
	120	20,000	10	66261151178	69957394188	08834137252	63642502622	08834149839
	180	20,000	10		66623399105	08834137253		08834149840
	240	20,000	10		66623399106	08834135339		
3 x 2 x 1/4	320	20,000	10		66623399107	08834135341		
	40	12,000	10			08834137460		
	60	12,000	10		66623399108	08834137260		
	80	12,000	10		66623399109	08834137261		
	120	12,000	10		66623399110	08834137262		
	180	12,000	10			08834137263		

MERIT STOCK/NON-STOCK STATUS: Some Merit part numbers are non-stock. Ask your Norton/Merit representative for stock/MTO status.



### Merit Mini 1/4" Steel Shank Test Kit "CMM"

- Part # 08834138004
- Includes ten wheels, 1" to 3" diameter in various grits mounted on a 1/4" diameter hardened steel shank