

## Depressed Center Grinding Wheels - T27, T28 and T29

### Type 27

#### General Purpose - A24R

- For general purpose grinding.
- Longer life for fewer wheel changes.



### Type 28



Part No	Size	Grade	Max RPM
748T	7" x 1/4" x 5/8" - 11	A24R	8,600
948T	9" x 1/4" x 5/8" - 11	A24R	6,640

A24R	Size	Max RPM
27-41838	4" x 1/8" x 3/8"	15,000
41858	4" x 1/8" x 5/8"	15,000
27-41438	4" x 1/4" x 3/8"	15,000
41458	4" x 1/4" x 5/8"	15,000
4121878	4-1/2" x 1/8" x 7/8"	13,300
41231678	4-1/2" x 3/16" x 7/8"	13,300
41287T	4-1/2" x 1/8" x 5/8" - 11	13,300
4121478	4-1/2" x 1/4" x 7/8"	13,300
41247T	4-1/2" x 1/4" x 5/8" - 11	13,300
51878	5" x 1/8" x 7/8"	12,220
587T	5" x 1/8" x 5/8" - 11	12,220
51478	5" x 1/4" x 7/8"	12,220
547T	5" x 1/4" x 5/8" - 11	12,220
0787	7" x 1/8" x 7/8"	8,600
787T	7" x 1/8" x 5/8" - 11	8,600
0747	7" x 1/4" x 7/8"	8,600
747T	7" x 1/4" x 5/8" - 11	8,600
987T	9" x 1/8" x 5/8" - 11	6,640
947T	9" x 1/4" x 5/8" - 11	6,640

## B-Flex Type 27 & 29 Reinforced

- **Grind and finish**- Can remove material as aggressively as a 24 grit depressed center wheel, and then blend in a "ready to paint" finish like a sanding disc.
- **Flexibility**- Flexes to follow contoured surfaces. A smooth finish with no gouging.
- **Versatility- no loading, no glazing**- One specification performs on a wide range of materials. No loading on soft material such as aluminum plus no glazing on hard material such as stainless steel.
- **Long life and economy**- Has an impressive ratio of material removal.
- **M-Medium Grade**- General purpose, metal grinding/finishing comparable to 24 through 60 grit sanding disc.
- **Iron-free**- For steel, stainless steel and aluminum.



Part No.	Size	Type	Max RPM	Spec
4A27M	4" x 1/8" x 5/8"	27	15,000	Medium
45A27M	4-1/2" x 1/8" x 7/8"	27	13,000	Medium
45A27MT	4-1/2" x 1/8" x 5/8" - 11	27	13,000	Medium
5A27M	5" x 1/8" x 7/8"	27	12,000	Medium
7A27M	7" x 1/8" x 5/8" - 11	27	8,600	Medium
7A29M	7" x 1/8" x 5/8" - 11	29	8,600	Medium



## Thin Cut

- .045" ultra thin cutting wheel.
- Quick and easy cutting.
- Aluminum oxide wheels for steel and stainless steel.
- Iron-free eliminates contamination on stainless steel.



(A10 A46V)	Size	Max RPM
27RC57	5" x .045" x 7/8"	13,290

## CP50 Adapter Kit

The CP50 Adapter Kit includes all parts necessary to properly mount a 7" or 9" Type 27 or 28 wheel on grinders with 5/8-11 NC spindles. One per package.



## BB-3825 Adapter Mandrel

Permits the use of wheels with 3/8" arbor hole on die or pencil grinders with a 1/4" chuck. For wheels up to 4" diameter and 1/2" thickness. One per package.

### Specifications For Die Grinders Only

#### A60T, A46T, A36R: General Purpose Metal

- Cutting - .035", 1/16", 1/8", and 3/16" thickness designed for fast, burr free cutting and slotting. Ideal for thin wall tube.

#### A36Q: Cutting & Peripheral Grinding

- Grinding - from 3/16" - 1/2" thick, these wheels perform on weld burr removal and surface conditioning of metal.

## Type-1 Die Grinders- Reinforced

- For use on die grinders, small wheel grinders and some end grinders with straight or flexible shafts.
- Indispensable aids to production, construction and maintenance at refineries, power plants, foundries and fabrication shops.
- Wheel composition meets requirements of nuclear fabrication, pressure vessel and piping projects.
- Small diameter cut off wheels are available with 1/4" arbor.



Part No.	Size	Grade	Max RPM
203538	2" x .035" x 3/8"	A60T	31,513
211638	2" x 1/16" x 3/8"	A46T	31,513
21838	2" x 1/8" x 3/8"	A36R	31,513
303538	3" x .035" x 3/8"	A60T	25,461
311614	3" x 1/16" x 1/4"	A46T	20,400
311638	3" x 1/16" x 3/8"	A46T	25,461
31838	3" x 1/8" x 3/8"	A36R	25,461
31438	3" x 1/4" x 3/8"	A36Q	20,372
403538	4" x .035" x 3/8"	A60T	19,100
411614	4" x 1/16" x 1/4"	A46T	19,100
411638	4" x 1/16" x 3/8"	A46T	19,100
41838	4" x 1/8" x 3/8"	A36T	19,100
41438	4" x 1/4" x 3/8"	A36Q	19,100

## Type-1 Dry Cutting on Stationary- Machines-Reinforced

- These wheels are designed for use on popular chop stroke machines, oscillating machines and other cut off machines where the work is fixed and the cutting plane of the wheel is controlled.



Part No.	Size	Grade	Max RPM
103258	10" x 3/32" x 5/8"	A30S	6,112
101858	10" x 1/8" x 5/8"	A30R	6,112
12181	12" x 1/8" x 1"	A30R	5,092
14181	14" x 1/8" x 1"	A30R	4,366
14321	14" x 3/32" x 1"	A30P	4,366
16181	16" x 1/8" x 1"	A30R	3,820
16321	16" x 3/32" x 1"	A30P	3,820
20181	20" x 3/16" x 1"	A30R	3,056

## Type-1 Circular Saws-Reinforced

- Will transform any circular saw into a fast, effective economical tool to cut steel (in sheet, bar or profile) as well as concrete, brick and masonry products.
- These wheels feature a diamond arbor and are supplied with a 5/8" round bushing for use with both standard circular saw arbors.



Part No.	Size	Grade	Max RPM
ME718DIA	7" x 1/8" x 5/8"	A36TBF	8,600
ME818DIA	8" x 1/8" x 5/8"	A36TBF	7,500
MA718DIA	7" x 1/8" x 5/8"	C36R	8,600
MA818DIA	8" x 1/8" x 5/8"	C36R	7,500

A36TBF for metal, C36R for masonry.

## Cup Wheels

### Type 11 Flaring Cup Wheels

- **A16Q4B**- Aluminum oxide specification for general purpose work. Mild steels, stainless steels, alloys, cast steels. Most metals, most applications.
- **C16PB**- Silicon carbide specification for general purpose work on masonry.



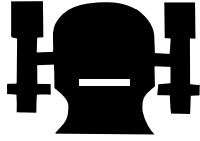
Part No.	Size	Grade	Max RPM
<b>Without Safety Back - Aluminum Oxide</b>			
0004	4/ 3" x 2" x 5/8" - 11"	A16Q4B	9,000
0005	5/ 4" x 2" x 5/8" - 11"	A16Q4B	7,200
0006	6/ 4-3/4" x 2" x 5/8" - 11"	A16Q4B	6,000
<b>With Steel Safety Back - Aluminum Oxide</b>			
004S	4/ 3" x 2" x 5/8" - 11"	A16Q4B	9,000
005S	5/ 4" x 2" x 5/8" - 11"	A16Q4B	7,200
006S	6/ 4-3/4" x 2" x 5/8" - 11"	A16Q4B	6,000
<b>Without Safety Back - Silicone Carbide</b>			
004C	4/ 3" x 2" x 5/8" - 11"	C16PB	9,000
006C	6/ 4-3/4" x 2" x 5/8" - 11"	C16PB	6,000

## Bench & Pedestal Grinding Wheels / Cones & Plugs

### Straight Resinoid Wheels - Non-Reinforced

Wheels with 1" arbors have 1/2", 5/8", 3/4" bushings included.  
Wheels with 1-1/4" arbors have 3/4", and 1" bushings included.

- Resin bonded wheels designed for general purpose shop grinding. More rugged than vitrified wheels.
- Coarse:** 20 - 24 grit
- Medium:** 30 - 36 grit
- Fine:** 46 - 60 grit



Part No.	Size	Grit	Max RPM
6341C	6" x 3/4" x 1"	Coarse	6,048
6341M	6" x 3/4" x 1"	Medium	6,048
6341F	6" x 3/4" x 1"	Fine	6,048
611C	6" x 1" x 1"	Coarse	6,048
611M	6" x 1" x 1"	Medium	6,048
611F	6" x 1" x 1"	Fine	6,048
711C	7" x 1" x 1"	Coarse	5,183
711M	7" x 1" x 1"	Medium	5,183
711F	7" x 1" x 1"	Fine	5,183
811C	8" x 1" x 1"	Coarse	4,538
811M	8" x 1" x 1"	Medium	4,538
811F	8" x 1" x 1"	Fine	4,538
10114C	10" x 1" x 1-1/4"	Coarse	3,629
10114M	10" x 1" x 1-1/4"	Medium	3,629
10114F	10" x 1" x 1-1/4"	Fine	3,629
12214C	12" x 2" x 1-1/4"	Coarse	3,023
12214M	12" x 2" x 1-1/4"	Medium	3,023
12214F	12" x 2" x 1-1/4"	Fine	3,023
14214C	14" x 2" x 1-1/4"	Coarse	2,592
14214M	14" x 2" x 1-1/4"	Medium	2,592

### Cones & Plugs

- A20PB6**- Aluminum oxide general purpose. Use on mild steels, stainless steels, alloys - most metals and applications.
- For grinding pressure vessels and piping, boiler re-tubing and casting.
- All plugs and cones are dressed with mold skin removed ready to cut.



Type 16



Type 18



Type 18R

Size				Max RPM
1" x 3" x 3/8" - 24"	C1610303		C18R10303	36,300
1-1/2" x 2-1/2" x 3/8" - 24"	C1615253	P1815253	C18R15253	24,200
1-1/2" x 2-1/2" x 5/8" - 11"	C1615255	P1815255	C18R15255	24,200
1-1/2" x 3" x 3/8" - 24"	C1615303	P1815303	C18R15303	24,200
1-1/2" x 3" x 5/8" - 11"	C1615305		C18R15305	24,200
1-3/4" x 3" x 3/8" - 24"	C16134303			20,700
2" x 3" x 3/8" - 24"	C1620303	P1820303		18,100
2" x 3" x 5/8" - 11"	C1620305	P1820305	C18R20305	18,100
3" x 3" x 5/8" - 11"	C1630305		C18R30305	12,000
3" x 4" x 5/8" - 11"	C1630405			12,096

### Vitrified Mounted Points

Mounted points are made with premium oxide grains and a strong vitrified bond. Used for grinding and deburring metals.

Shape	Type	Part No.	Size	Grade	Color	RPM
	A1	A1BG	3/4" x 2-1/2" x 1/4"	46-P	Blue-gray	19,800
	A3	A3BG	1" x 2-3/4" x 1/4"	46-P	Blue-gray	16,100
	A11	A11BG	7/8" x 2" x 1/4"	46-P	Blue-gray	19,860
	W220	W220-D2BG	1" x 1" x 1/4"	46-P	Blue-gray	25,500
	W222	W222-D2BG	1" x 2" x 1/4"	46-P	Blue-gray	15,900
	W225	W225-D2BG	1-1/4" x 1/4" x 1/4"	46-P	Blue-gray	30,560

Flap Discs

# Flap Discs

## Selection Guide For Backing and Grain Types

Application Requirement	Backing Type
Rigid support for maximum aggression; recyclable	Aluminum
Prevent backing from scratching the work-piece	Phenolic
Trimnable, non-marking backing; for hard-to-reach angles	Composite

Application Requirement	Grain Type
High rate of stock removal and long life	Zirconium
General purpose metalworking applications	Aluminum Oxide
Maximum material removal	Coarser Grits
Achieve desired finishes	Finer Grits

### Flap Discs



#### Aluminum Oxide - Fiberglass Backing

Angled Style - T29



Part No.	Diameter	Arbor	Grit Size	Max RPM
40307	4-1/2"	7/8"	36	13,000
40308	4-1/2"	7/8"	40	13,000
40309	4-1/2"	7/8"	60	13,000
40310	4-1/2"	7/8"	80	13,000

#### Zirconium - Fiberglass Backing

Angled Style - T29



Part No.	Diameter	Arbor	Grit Size	Max RPM
40344	4-1/2"	7/8"	40	13,000
40345	4-1/2"	7/8"	60	13,000
40346	4-1/2"	7/8"	80	13,000
40349	4-1/2"	5/8" - 11 Nut	36	13,000
40350	4-1/2"	5/8" - 11 Nut	40	13,000
40351	4-1/2"	5/8" - 11 Nut	60	13,000
40352	4-1/2"	5/8" - 11 Nut	80	13,000
40362	7"	5/8" - 11	40	13,000
40363	7"	5/8" - 11	60	13,000

#### Zirconium - High Density

Fiberglass Backing - Flat Style - T27



Part No.	Diameter	Arbor	Grit Size	Max RPM
40373	4-1/2"	7/8"	40	12,000
40374	4-1/2"	7/8"	60	12,000
40375	4-1/2"	7/8"	80	12,000
40376	4-1/2"	7/8"	120	12,000
40377	4-1/2"	5/8" - 11 Nut	40	12,000
40378	4-1/2"	5/8" - 11 Nut	60	12,000
40379	4-1/2"	5/8" - 11 Nut	80	12,000
40381	7"	5/8" - 11	60	12,000
40382	7"	5/8" - 11	80	12,000

## Resin Fibre Discs

# Coated Abrasives

### Safety Recommendations

- Do not exceed maximum RPM.
- Safety guards must be worn.
- Abrasive users must wear goggles or face shields over safety glasses.



Protect  
Yourself.



## Resin Fiber Discs Aluminum Oxide

- Weld smoothing and cleaning.
- All purpose grinding-metals, plastic, wood and fiberglass.
- Rust removal.
- Paint removal (boats, walls, automobiles).
- Dimensional reduction.
- Removal of imperfections.



### Aluminum Oxide Grain

- Grains wear during use.
- Fast, smooth cutting action.
- High resistance to heat, glazing and loading.



### Zirconium

- High-performance metal grinding for stainless steel, tool steel and hard to grind materials.

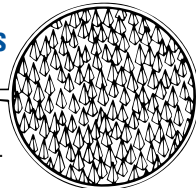
### Zirconium Grain

- Grains fracture during use, re-sharpening themselves as they grind. They have 2 - 3 times longer life than conventional grains.
- Superior cutting action.
- Ultra-high resistance to heat, glazing and loading.



### Electrostatically Deposited Grains

- Ensures complete grain coverage including the outside edge of the disc.
- The grain is evenly dispersed and oriented with cutting edge facing up or outwards from the disc.



Part No. Aluminum Oxide	Part No. Zirconium	Grit	Size	Arbor Hole
4A24		24	4"	5/8"
4A36		36	4"	5/8"
4A50		50	4"	5/8"
4A60		60	4"	5/8"
4A80		80	4"	5/8"
4A100		100	4"	5/8"
4A120		120	4"	5/8"
45A16		16	4-1/2"	7/8"
45A24	45Z24	24	4-1/2"	7/8"
45A36	45Z36	36	4-1/2"	7/8"
45A50	45Z50	50	4-1/2"	7/8"
45A60	45Z60	60	4-1/2"	7/8"
45A80	45Z80	80	4-1/2"	7/8"
45A100		100	4-1/2"	7/8"
45A120		120	4-1/2"	7/8"
5A24	5Z24	24	5"	7/8"
5A36	5Z36	36	5"	7/8"
5A50	5Z50	50	5"	7/8"
5A60	5Z60	60	5"	7/8"
5A80	5Z80	80	5"	7/8"
5A100		100	5"	7/8"
5A120		120	5"	7/8"
7A16		16	7"	7/8"
7A24	7Z24	24	7"	7/8"
7A36	7Z36	36	7"	7/8"
7A50	7Z50	50	7"	7/8"
7A60	7Z60	60	7"	7/8"
7A80	7Z80	80	7"	7/8"
7A100		100	7"	7/8"
7A120		120	7"	7/8"
9A16		16	9"	7/8"
9A24		24	9"	7/8"
9A36		36	9"	7/8"
9A50		50	9"	7/8"
9A60		60	9"	7/8"
9A80		80	9"	7/8"
9A100		100	9"	7/8"
9A120		120	9"	7/8"

## Pads For Resin Fiber Sanding Discs

High quality general purpose pads for use with any sanding disc with a 7/8" diameter arbor hole. Each pad includes retaining nut to fit tools with 5/8" - 11 shafts.

- **Ribbed Face-** Ribbed face pads are recommended with grits 36 and coarser. They are used for heavy stock removal applications. The ribs allow air to pass under the disc for cooler operation.
- **Smooth Face-** Smooth face pads are recommended with grits 36 and finer. They are more flexible than ribbed face pads.



Part No.	Diameter	Arbor	Flex
BP-400	4"	5/8" - 11	Medium
BP-450	4.5"	5/8" - 11	Medium
BP-500	5"	5/8" - 11	Medium
BP-700M	7"	5/8" - 11	Medium
BP-700F	7"	5/8" - 11	Soft
BP-900	9"	5/8" - 11	Medium
PP4250	4.5"	5/8" - 11	Firm
PP5000	5"	5/8" - 11	Firm
BP-700	7"	5/8" - 11	Firm

## Back-up Pads For Surface Conditioning Discs

These pads have a special extended hook system to firmly hold surface conditioning discs. The pads feature a thin cushioning layer to provide the ideal flexibility for SCD discs

Part No.	Diameter	Arbor
SCP-2	2"	1/4" shank
SCP-3	3"	1/4" shank
SCP-4	4"	5/8" - 11
SCP-45	4-1/2"	5/8" - 11
SCP-5	5"	5/8" - 11
SCP-7	7"	5/8" - 11

## Shop Rolls

- Abrasive shop rolls are manufactured of flexible material and are a must for any metal fabrication and machine shop.
- Ideal for light touch-up on finishing small parts.
- Aluminum oxide grain.



Part No. 1-1/2" x 50 yd.	Part No. 2" x 50 yd.	Grit
15-40	2-40	40
15-60	2-60	60
15-80	2-80	80
15-100	2-100	100
15-120	2-120	120
15-180	2-180	180
15-240	2-240	240
15-320	2-320	320

