

# DEPRESSED CENTER WHEELS

The Norton line of depressed center wheels has products for every right angle grinder application: NorZon Plus provide the industry's highest productivity; Charger Plus give great performance and Gemini and Norton masonry offer general purpose value.

## Typical Applications

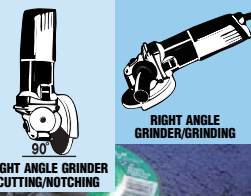
- Metal fabrication
- Petrochemical maintenance
- All weld grinding
- Shipbuilding
- Foundry – notching and removing gates and risers
- Pipeline – root pass grinding, pipe beveling and repair
- Construction – masonry/concrete fabrication



TYPE 27

TYPE 28

TYPE 29



### BEST NorZon Plus Depressed Center Wheels – Type 27 and 28

#### FEATURES

- Premium, combination of Norton SG (ceramic aluminum oxide) and NorZon (zirconia alumina)
- An advanced bond system
- **new!** NorZon Plus Long Life
- Extra-thin .045" RightCut wheels
- **improved!** NorZon Plus 1/8" thick wheels

#### BENEFITS

- 50 to 200% better overall performance vs. competitive zirconia wheels
- Lowest total grinding cost; highest productivity
- Up to 10X the performance of aluminum oxide wheels
- 50% or better cut rate than competitive wheels
- Excellent performance on all grinding jobs from gray iron to exotic alloys and stainless steel
- The fastest cutting zirconia wheel on the market; easy on the operator and equipment
- Extra long life, same fast cut; ideal for high-powered grinders
- Quick, cool cutting action, minimal kerf loss
- Up to 30% longer life and faster cut rate, for fewer wheel changes
- 30 – 50% (and in some cases 100%) improvement in life, while maintaining an extremely smooth grinding and cutting action



★ Made in U.S.A.

### BETTER Charger Plus Depressed Center Wheels – Type 27 and 28

#### FEATURES

- A blend of zirconia alumina and aluminum oxide grains – with more NorZon (zirconia) grain
- FastCut Stainless Steel wheels
- **improved!** Extra-thin .045" RightCut wheels

#### BENEFITS

- 3 times the life of aluminum oxide wheels
- Ideal for stainless steel and carbon steel applications and efficiently grinds a variety of material from alloys to gray iron
- Excellent performance to price ratio lowers total grinding costs
- Full range of iron-, sulfur-, and chlorine-free wheels, ideal for nuclear industry
- 2 to 3X performance vs. competitors' wheels
- Up to 30% longer life and faster cut rate, for fewer wheel changes



★ Made in U.S.A.

### BETTER Charger Foundry Depressed Center Wheels – Type 27

#### FEATURES

- A unique blend of aggressive zirconia alumina and versatile silicon carbide abrasives
- Advanced bond system
- Triple-reinforced, 1/8" thick wheels
- 1/4" thick wheels have coarse grit dispersed throughout the wheel
- 9" heavy-duty, triple-reinforced

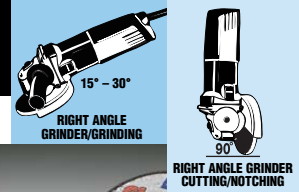
#### BENEFITS

- Ideal for a broad range of foundry applications – including ductile/gray iron, steel, nonferrous, soft metals (brass, bronze, copper) and dirty, scale-covered castings
- Maximizes cutting ability while minimizing wheel wear – reducing total wheel cost
- Designed to remove and grind gates and risers
- May be used on bottom and face of wheel to clean parting lines, pads, slag, and scale
- Designed to withstand the most aggressive foundry applications



★ Made in U.S.A.

# DEPRESSED CENTER WHEELS



## BETTER Charger AVOS and FLEX Depressed Center Wheels – Type 29

| FEATURES   | BENEFITS  |
|--|---|
| <ul style="list-style-type: none"> <li>Aluminum oxide grain in a uniquely patterned face (with button “nubs”)</li> </ul>                         | <ul style="list-style-type: none"> <li>Cooler operating; prevents digging, snagging, and loading through greater swarf removal</li> <li>No offensive odors generated while grinding</li> <li>Excellent for grinding and finishing stainless steel, carbon steel, and aluminum</li> </ul>                                    |
| <ul style="list-style-type: none"> <li>Type 29 conical shape:<br/>Non-hubbed: used at a 15° angle<br/>Hubbed: can grind on wheel face</li> </ul> | <ul style="list-style-type: none"> <li>Shallow grinding area permits larger contact area with less gouging of workpiece</li> <li>Smooth cutting action; let the wheels do the work</li> <li>Ideal for getting into tight spaces, smoothing corners and curves, and polishing and blending welds on flat surfaces</li> </ul> |
| <ul style="list-style-type: none"> <li>AVOS (Allows View of Surface): innovative shape and patented design</li> </ul>                            | <ul style="list-style-type: none"> <li>Provide complete vision of the grinding zone</li> <li>Operator can grind more effectively with less work</li> <li>Allow interrupted cut which reduces heat on workpiece</li> </ul>   |

expanded offering!



★ Made in U.S.A.

## GOOD Gemini Aluminum Oxide Depressed Center Wheels – Type 27 and 28

| SPECIFICATION   | APPLICATION  |
|---|--|
| <ul style="list-style-type: none"> <li>Quality aluminum oxide</li> </ul>  | <ul style="list-style-type: none"> <li>Consistent, maximum performance of aluminum oxide wheels at a competitive price</li> <li>Ideal for small job shops on a variety of metalworking applications</li> </ul> |
| <ul style="list-style-type: none"> <li>Gemini Fast Cut</li> </ul>   | <ul style="list-style-type: none"> <li>Quick stock removal on hard metals</li> </ul>   |
| <ul style="list-style-type: none"> <li>Gemini Long Life</li> </ul>  | <ul style="list-style-type: none"> <li>Exceptional life and cut rate on carbon and stainless steels</li> </ul>   |
| <ul style="list-style-type: none"> <li>Gemini Aluminum – contain no wax or rubber fillers</li> </ul>  | <ul style="list-style-type: none"> <li>Grinding aluminum and soft metals without loading</li> </ul>  |
| <ul style="list-style-type: none"> <li>Gemini Stainless Steel; 3/32" and 1/4" thick; contaminant free: no iron, sulfur or chlorine</li> </ul> | <ul style="list-style-type: none"> <li>Ideal for nuclear industry</li> <li>All kinds of stainless steel and various hard alloys</li> </ul>   |
| <ul style="list-style-type: none"> <li>3/32" and 5/32" thick</li> </ul>   | <ul style="list-style-type: none"> <li>Pipe and general cut-off applications</li> </ul>  |
| <ul style="list-style-type: none"> <li>.045" RightCut wheels with clean bond</li> </ul>   | <ul style="list-style-type: none"> <li>Minimal kerf loss and fast cut rate</li> <li>Up to 30% longer life and faster cut rate, for fewer wheel changes</li> </ul>  |

new!

improved!



## GOOD Norton Masonry Depressed Center Wheels – Type 27

| FEATURES  | BENEFITS   |
|---|--|
| <ul style="list-style-type: none"> <li>Masonry – sharp silicon carbide</li> </ul> | <ul style="list-style-type: none"> <li>Engineered for all masonry materials such as concrete, brick and asphalt</li> </ul> |
| <ul style="list-style-type: none"> <li>Low initial cost per wheel</li> </ul>      | <ul style="list-style-type: none"> <li>Ideal for on-site and small-unit jobs</li> </ul>                                    |
| <ul style="list-style-type: none"> <li>Display case packaging</li> </ul>          | <ul style="list-style-type: none"> <li>Promotes walk-in, self-service selling and easy restocking</li> </ul>               |



## GOOD Gemini Flexible Blending/Finishing Depressed Center Wheels – Type 27

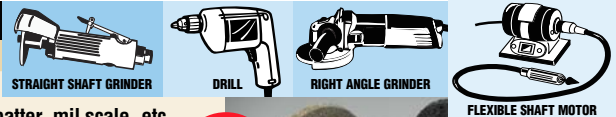
| FEATURES   | BENEFITS   |
|--|--|
| <ul style="list-style-type: none"> <li>Aluminum oxide grain in a unique formulation</li> </ul> | <ul style="list-style-type: none"> <li>Better blending, finishing and polishing of stainless steel, structural steel, cast iron welds and burrs</li> <li>Cool cutting; leaves no burn marks</li> <li>Meets nuclear industry standards</li> </ul> |
| <ul style="list-style-type: none"> <li>Flexible</li> </ul>                                     | <ul style="list-style-type: none"> <li>Excellent control of finish quality and removal rate for light stock removal</li> </ul>   |
| <ul style="list-style-type: none"> <li>Available in 36 grit</li> </ul>                         | <ul style="list-style-type: none"> <li>Ideal for light stock removal</li> </ul>  |
| <ul style="list-style-type: none"> <li>Available in 60 grit</li> </ul>                         | <ul style="list-style-type: none"> <li>Designed for finishing applications</li> </ul>  |

expanded offering!



## BEST Bear-Tex Non-Woven Depressed Center Wheels – Type 27

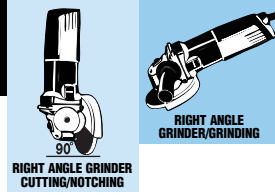
| FEATURES   | BENEFITS   |
|--|--|
| <ul style="list-style-type: none"> <li>Thick, strong synthetic fibers and extra coarse grit bonded with a durable, smear-resistant adhesive</li> </ul> | <ul style="list-style-type: none"> <li>Ideal for surface preparation, conditioning and cleaning and the removal of rust, paint, weld spatter, mil scale, etc.</li> </ul> |
| <ul style="list-style-type: none"> <li>Open web construction</li> </ul>  | <ul style="list-style-type: none"> <li>Minimizes loading</li> </ul>  |
| <ul style="list-style-type: none"> <li>Conformable</li> </ul>  | <ul style="list-style-type: none"> <li>Follows difficult part profiles for easy cleaning of uneven surfaces</li> </ul>   |
| <ul style="list-style-type: none"> <li>Used with portable tools</li> </ul>   | <ul style="list-style-type: none"> <li>Easy and safe to use especially in difficult to reach areas</li> </ul>  |



new!



# DEPRESSED CENTER WHEELS



DEPRESSED CENTER WHEELS

6

## Highest Productivity and Performance in Grinding

| Product  |                                  |                                  |                                   |                                 |
|--|----------------------------------|----------------------------------|-----------------------------------|---------------------------------|
|  | NorZon Plus – BEST               | Charger Plus – BETTER            | Gemini – GOOD                     | COMPETITOR                      |
| Life   |                                  |                                  |                                   |                                 |
|  | wheel wear = 7 grams             | wheel wear = 15 grams            | wheel wear = 23 grams             | wheel wear = 28 grams           |
| Metal Removal  |                                  |                                  |                                   |                                 |
|  | metal removed = 295 grams        | metal removed = 265 grams        | metal removed = 200 grams         | metal removed = 174 grams       |
| Overall Performance  | <b>6X</b><br>grinding ratio = 42 | <b>3X</b><br>grinding ratio = 18 | <b>1.5X</b><br>grinding ratio = 9 | <b>1X</b><br>grinding ratio = 6 |
| Approximate Consumer Price*  | \$8.78                           | \$4.52                           | \$2.56                            | \$2.14                          |
| Current Wheel Usage (monthly)  | —                                | —                                | —                                 | 100                             |
| If customer switched to Norton brand, usage would be (based on performance), in wheels:    | 14                               | 33                               | 75                                | —                               |
| To remove same amount of material, cost of wheels would be:                                | \$122.98                         | \$149.16                         | \$192.00                          | \$214.00                        |
| Add in labor cost of additional wheel changes (calculated at 2 minutes @ \$18.00 per hour) | \$8.40                           | \$19.80                          | \$45.00                           | \$60.00                         |
| Total cost of using each wheel:  | \$131.38                         | \$168.96                         | \$237.00                          | \$274.00                        |
| Savings:   | <b>52%</b>                       | <b>38%</b>                       | <b>14%</b>                        | <b>0%</b>                       |

BASED ON ESTIMATED US PRICING.

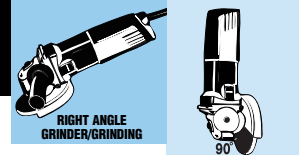


### Norton Fine, Hard Back Depressed Center Wheels Boost Productivity and Wheel Life Versus Competitors' Monolithic Design (2 coarse layers)

Our fine, hard back (a finer-grit mixture in the top half of the grinding wheel) limits premature shedding or “spalling” and allows for a smoother grinding action from the periphery to the hub.

- At the proper grinding angle, a sharp bevel is produced at the wheel periphery
- As the wheel wears, this thin edge become susceptible to stress
- A coarse grit back is much more likely to break away prematurely resulting in unnecessary wheel loss and quite possibly an injury to operator and others

# DEPRESSED CENTER WHEELS



## Application Guide

| WHEEL TYPE  | APPLICATIONS  |
|---|---|
| .045", 1/16", 3/32" Thick Type 27                           | Cutting only, where fast cutting and low kerf loss are desired. Ideal for pipe cutting.                               |
| .125" Thick Type 27   | Cutting and cleaning root pass welds.   |
| 1/8" Thick Type 27  | Cutting-off, notching and light side grinding.  |
| 1/4" Thick Fast Cut Type 27                                 | Grinding with low horsepower and electric grinders or where low pressure is used.                                     |
| 1/4" Thick Long Life Type 27                                | Grinding with high horsepower machines (3 hp or higher) and heavy pressure; flame cut and other severe applications.  |
| 1/8", 5/32" Thick Pipe Notchers Type 27 – Triple reinforced | Cutting on the face of the wheel for root pass applications; cleaning weld joints or cutting out weld on pipe repair. |
| 1/8" Thick Foundry Notchers Type 27 – Triple reinforced     | For grinding steel and dirty/scale-covered castings; removing and cleaning gates and risers.                          |
| 1/4" Thick Foundry Snaggers Type 27                         | Grinding on bottom and face of wheel; cleaning parting lines, pads and slag; smoothing weld seams.                    |
| 1/4" Thick Heavy-Duty Foundry Type 27                       | Most aggressive foundry applications. Triple-reinforced   |
| 1/4" Thick Saucers Type 28                                  | Smooth, gouge-free grinding at shallow angles.  |
| 1/8" Thick Flex, AVOS Type 29                               | Polishing and blending applications.  |

| RIGHT ANGLE GRINDER/GRINDING | RIGHT ANGLE GRINDER CUTTING/NOTCHING |
|------------------------------|--------------------------------------|
|                              | ■                                    |
|                              | ■                                    |
| ■                            | ■                                    |
| ■                            |                                      |
| ■                            |                                      |
|                              | ■                                    |
|                              | ■                                    |
|                              | ■                                    |
| ■                            |                                      |
| ■                            |                                      |

## Depressed Center Wheel Starting Recommendations by Material

| MATERIALS:   | HEAVY-DUTY GRINDING<br>BEST PERFORMANCE | GENERAL-DUTY GRINDING<br>BETTER VALUE | LIGHT GRINDING<br>INITIAL VALUE | BLENDING AND<br>FINISHING          | CUTTING                  | SURFACE<br>PREPARATION                    |
|--|---|---------------------------------------|---------------------------------|------------------------------------|--------------------------|---|
| Angle/Channel Iron<br>Bar Stock/I-Beams<br>Carbon/High Tensile Steel<br>Metal Studs/Tubing | NorZon Plus Type 27                     | Charger Plus Type 27                  | Gemini Type 27                  | Charger Flex &<br>AVOS Type 29     | NorZon Plus Type 27      | Bear-Tex<br>Rapid Strip &<br>Rapid Finish |
| Cast Iron/Pipe   | NorZon Plus Type 27                     | Charger Plus Type 27                  | Gemini Type 27                  | Charger Flex &<br>AVOS Type 29     | NorZon Plus Pipe Notcher | Rapid Strip &<br>Rapid Finish             |
| Stainless/Alloys   | NorZon Plus Type 27                     | Charger SS Type 27                    | Gemini SS Type 27               | Charger Flex &<br>AVOS SS Type 29  | NorZon Plus Type 27      | Rapid Strip &<br>Rapid Finish             |
| Aluminum/Brass/Bronze  | –                                       | –                                     | Gemini ALU Type 27              | Charger Flex &<br>AVOS ALU Type 29 | Gemini ALU Type 27       | Rapid Strip &<br>Rapid Finish             |
| Asphalt/Brick/Concrete   | Masonry Type 27                         | Masonry Type 27                       | Masonry Type 27                 | Masonry Type 27                    | Masonry Type 27          | Rapid Strip &<br>Rapid Finish             |
| Fiberglass/Plastic   | –                                       | Charger Flex<br>Type 29               | Gemini Flexible<br>Type 27      | Charger Flex &<br>AVOS Type 29     | Gemini Type 27           | Rapid Strip &<br>Rapid Finish             |
| Paint/Rust   | –                                       | –                                     | Metal Type 27                   | –                                  | –                        | Rapid Strip &<br>Rapid Finish             |

## Depressed Center Wheel Competitive Cross Reference

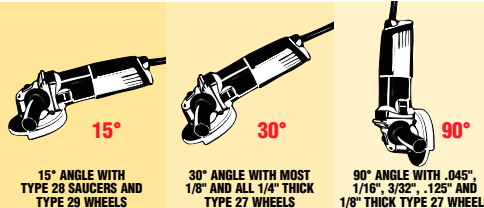
| NORTON          | FLEXOVIT | METABO | PFERD   | SAIT       | TYROLIT   | WALTER   |
|-----------------|----------|--------|---------|------------|-----------|----------|
| NorZon Plus     | FLEXON   |        | ZA-SG   | Attacker   |           | A-20-XX  |
| Charger Plus    | FLEXON   | ZA24   | ZA-SG   | Z-Tech     | 1ZA30QBFX | A-20-XX  |
| Charger Flex    | Flexcel  |        |         | Challenger | Rondeller | Roteller |
| Gemini Fast Cut |          |        | A-PS    | A24N       | A30PBF    |          |
| Gemini          | A24/A30T | A24R/T | A-SG    | A24R,A24T  | A30RBF    | A-24-HPS |
| Gemini Aluminum | A24ALU   | A36M   | A-W-ALU | A46N       | A36NBFX   | A-24-ALU |
| Norton Metal    | A30S     | A24N   |         | A24N       |           |          |
| Norton Masonry  | C24/30T  | C24    |         | C24N       |           | C-24     |

## TECHtips

- For maximum performance, run the grinder at the highest possible speed marked on the wheel.
- Hold your right angle grinder at the correct angle.



It is the user's responsibility to refer to and comply with ANSI B7.1

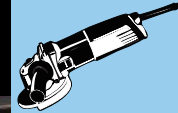


Unique, patented mini-mount hub used on 4-1/2" and 5" depressed center wheels provides up to 30% more wheel life because the hub covers just a small surface area, providing maximum grinding area exposure and usage.

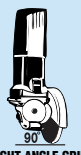
# DEPRESSED CENTER WHEELS

DEPRESSED CENTER WHEELS

8



RIGHT ANGLE GRINDER/GRINDING



RIGHT ANGLE GRINDER CUTTING/NOTCHING



**BEST  
NORZON PLUS**



**BETTER  
CHARGER PLUS**



**GOOD  
GEMINI**

| SIZE: D X T X H   | MAX RPM | STD PKG | PART NO.   | UPC NO.     | PART NO.  | UPC NO.     | PART NO. | UPC NO.     |
|---|---------|---------|------------|-------------|-----------|-------------|----------|-------------|
| <b>.045", 1/16" STEEL / STAINLESS – CUTTING – TYPE 27</b> |         |         |            |             |           |             |          |             |
| 4 x .045 x 5/8  | 15,280  | 20      |            |             |           |             | RC4G27   | 66252833840 |
| 4-1/2 x .045 x 5/8-11                                     | 13,580  | 20      | RC45HNZP27 | 66252830748 | RC45HCH27 | 66252832009 | RC45HG27 | 66252819549 |
| 4-1/2 x .045 x 7/8  | 13,580  | 20      | RC45NZP27  | 66252830742 | RC45CH27  | 66252830125 | RC45G27  | 66252819548 |
| 5 x .045 x 5/8-11   | 12,225  | 20      |            |             |           |             | RC5HG27  | 66252830586 |
| 5 x .045 x 7/8  | 12,225  | 20      | RC5NZP27   | 66252830744 | RC5CH27   | 66252830126 | RC5G27   | 66252819550 |
| 6 x .045 x 5/8-11   | 10,185  | 20      |            |             |           |             | RC6HG27  | 66252830587 |
| 6 x .045 x 7/8  | 10,185  | 20      | RC6NZP27   | 66252830745 | RC6CH27   | 66252830127 | RC6G27   | 66252819551 |
| 7 x 1/16 x 7/8  | 8,600   | 20      |            |             |           |             | RC7G27   | 66252912626 |
| 9 x 1/16 x 5/8-11   | 6,600   | 10      |            |             |           |             | RC9HG27  | 66253019115 |

THESE WHEELS ARE TO BE USED FOR CUTTING ONLY.

|  |        |    |             |             |  |  |           |             |
|--|--------|----|-------------|-------------|--|--|-----------|-------------|
| <b>.125", 1/8" STEEL / STAINLESS – CUTTING – TYPE 27</b> |        |    |             |             |  |  |           |             |
| 4 x .125 x 3/8   | 15,280 | 20 | DC412538NZP | 66243529883 |  |  |           |             |
| 4-1/2 x 3/32 x 7/8                                       | 13,580 | 20 |             |             |  |  | DC45332G  | 66252835320 |
| 4-1/2 x .125 x 5/8-11                                    | 13,580 | 20 | DC45125HNZP | 66252815010 |  |  | DC45125HG | 66252813301 |
| 4-1/2 x .125 x 7/8                                       | 13,580 | 20 | DC45125NZP  | 66252830443 |  |  | DC45125G  | 66252801860 |
| 5 x .125 x 7/8   | 12,225 | 20 |             |             |  |  | DC5125G   | 66252801862 |
| 7 x .125 x 5/8-11  | 8,600  | 10 | DC7125HNZP  | 66252912625 |  |  |           |             |
| 7 x .125 x 7/8   | 8,600  | 20 | DC7125NZP   | 66252912624 |  |  | DC7125G   | 66252900619 |

THESE WHEELS ARE TO BE USED FOR CUTTING ONLY.

expanded offering!

|   |        |    |              |             |  |  |         |             |
|---|--------|----|--------------|-------------|--|--|---------|-------------|
| <b>1/8" STEEL – PIPE NOTCHING – TYPE 27</b> |        |    |              |             |  |  |         |             |
| 5 x 5/32 x 7/8                              | 13,580 | 20 |              |             |  |  | DC5532G | 66252835579 |
| 6 x 5/32 x 7/8                              | 10,185 | 20 |              |             |  |  | DC6532G | 66252835580 |
| 7 x 1/8 x 5/8-11                            | 8,600  | 10 | DC718HNZPIPE | 66252939184 |  |  |         |             |
| 7 x 5/32 x 7/8                              | 8,600  | 20 |              |             |  |  | DC7532G | 66252835581 |
| 9 x 1/8 x 5/8-11                            | 6,600  | 10 | DC918HNZPIPE | 66253049066 |  |  |         |             |

|   |        |    |            |             |           |             |          |             |
|---|--------|----|------------|-------------|-----------|-------------|----------|-------------|
| <b>1/8" STEEL/STAINLESS – CUTTING/NOTCHING/LIGHT GRINDING – TYPE 27</b> |        |    |            |             |           |             |          |             |
| 3 x 1/8 x 3/8   | 18,000 | 20 | DC318NZP   | 66243528697 |           |             |          |             |
| 4 x 1/8 x 3/8   | 15,280 | 20 | DC41838NZP | 66243529884 | DC41838CH | 66243529893 | DC41838G | 66243529686 |
| 4 x 1/8 x 5/8   | 15,280 | 20 | DC418NZP   | 66243529885 | DC418CH   | 66243529851 | DC418G   | 66243530619 |
| 4-1/2 x 1/8 x 5/8-11  | 13,580 | 20 | DC4518HNZP | 66252830445 | DC4518HCH | 66252829853 | DC4518HG | 66252830435 |
| 4-1/2 x 1/8 x 7/8   | 13,580 | 20 | DC4518NZP  | 66252830444 | DC4518CH  | 66252829854 | DC4518G  | 66252830609 |
| 5 x 1/8 x 5/8-11  | 12,225 | 20 | DC518HNZP  | 66252832398 | DC518HCH  | 66252829857 |          |             |
| 5 x 1/8 x 7/8   | 12,225 | 20 | DC518NZP   | 66252830789 | DC518CH   | 66252829858 | DC518G   | 66252830614 |
| 6 x 1/8 x 5/8-11  | 10,185 | 10 |            |             |           |             | DC618HG  | 66252833965 |
| 6 x 1/8 x 7/8   | 10,185 | 20 |            |             | DC618CH   | 66252809367 | DC618G   | 66252801864 |
| 7 x 1/8 x 5/8-11  | 8,600  | 10 | DC718HNZP  | 66252938855 | DC718HCH  | 66252929862 | DC718HG  | 66252939259 |
| 7 x 1/8 x 7/8   | 8,600  | 20 | DC718NZP   | 66252938854 | DC718CH   | 66252929863 | DC718G   | 66252939207 |
| 9 x 1/8 x 5/8-11  | 6,600  | 10 | DC918HNZP  | 66253048897 | DC918HCH  | 66253029866 | DC918HG  | 66253048983 |
| 9 x 1/8 x 7/8   | 6,600  | 20 | DC918NZP   | 66253048896 | DC918CH   | 66253029867 | DC918G   | 66253048994 |

**Depressed Center Part Number Key**

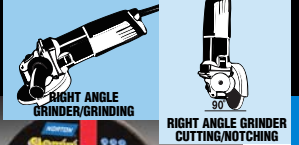
EXAMPLE: DC 45 14 H CH SS

| WHEEL TYPE            | DIAMETER    | THICKNESS | HUB/HOLE SIZE  | PRODUCT GROUP | MODIFIER             |
|-----------------------|-------------|-----------|----------------|---------------|----------------------|
| DC = DEPRESSED CENTER | 45 = 4-1/2" | 14 = 1/4" | H = 5/8-11 HUB | CH = CHARGER  | SS = STAINLESS STEEL |
| RC = RIGHT CUT        |             |           |                |               | FC = FAST CUT        |

**STAINLESS  
STEEL/METAL**



# DEPRESSED CENTER WHEELS



**BEST NORZON PLUS**      **BETTER CHARGER PLUS**      **GOOD GEMINI, NORTON METAL**

| SIZE: D X T X H                                    | MAX RPM | STD PKG | PART NO.                   | UPC NO.                    | PART NO.  | UPC NO.     | PART NO.               | UPC NO.                    |
|--|---------|---------|----------------------------|----------------------------|-----------|-------------|------------------------|----------------------------|
| <b>1/4" STEEL / STAINLESS – GRINDING – TYPE 27</b> |         |         |                            |                            |           |             |                        |                            |
| 3 x 1/4 x 3/8                                      | 18,000  | 20      | DC314NZP                   | 66243528809                |           |             | DC314G                 | 66243528855                |
| 4 x 1/4 x 3/8                                      | 15,280  | 20      | DC41438NZP                 | 66243529886                | DC41438CH | 66243529899 | DC41438G               | 66243529748                |
| 4 x 1/4 x 5/8                                      | 15,280  | 20      | DC414NZP                   | 66243529887                | DC414CH   | 66243529852 | DC414GFC<br>DC414G     | 66243519884<br>66243530620 |
| 4-1/2 x 3/16 x 7/8                                 | 13,580  | 20      | DC45316NZP                 | 66252830446                |           |             | DC45316G               | 66252830575                |
| 4-1/2 x 1/4 x 5/8-11                               | 13,580  | 20      | DC4514HNZP<br>DC4514HNZPLL | 66252828804<br>66252835576 | DC4514HCH | 66252829855 | DC4514HGFC<br>DC4514HG | 66252817084<br>66252830432 |
| 4-1/2 x 1/4 x 7/8                                  | 13,580  | 20      | DC4514NZP                  | 66252828803                | DC4514CH  | 66252829856 | DC4514GFC<br>DC4514G   | 66252830612<br>66252830611 |
| 5 x 1/4 x 5/8-11                                   | 12,225  | 20      | DC514HNZP<br>DC514HNZPLL   | 66252828806<br>66252835577 | DC514HCH  | 66252829859 |                        |                            |
| 5 x 1/4 x 7/8                                      | 12,225  | 20      | DC514NZP                   | 66252828805                | DC514CH   | 66252829861 | DC514GFC<br>DC514G     | 66252830617<br>66252830615 |
| 6 x 1/4 x 5/8-11                                   | 10,185  | 10      |                            |                            | DC614HCH  | 66252832391 | DC614HG                | 66252832390                |
| 6 x 1/4 x 7/8                                      | 10,185  | 20      | DC614NZP                   | 66252809376                | DC614CH   | 66252809372 | DC614G                 | 66252801865                |
| 7 x 1/4 x 5/8-11                                   | 8,600   | 10      | DC714HNZP<br>DC714HNZPLL   | 66252917881<br>66252835578 | DC714HCH  | 66252929864 | DC714HGFC<br>DC714HG   | 66252940147<br>66252940148 |
| 7 x 1/4 x 7/8                                      | 8,600   | 20      | DC714NZP                   | 66252917880                | DC714CH   | 66252929865 | DC714GFC<br>DC714G     | 66252940099<br>66252940098 |
| 9 x 1/4 x 5/8-11                                   | 6,600   | 10      | DC914HNZP<br>DC914HNZPLL   | 66253021634<br>66252830728 | DC914HCH  | 66253029868 | DC914HGFC<br>DC914HG   | 66253049105<br>66253049104 |
| 9 x 1/4 x 7/8                                      | 6,600   | 20      | DC914NZP                   | 66253021633                | DC914CH   | 66253029869 | DC914GFC<br>DC914G     | 66253049077<br>66253048991 |

## STAINLESS STEEL – CUTTING/PIPE NOTCHING/LIGHT GRINDING – TYPE 27

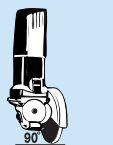
|                       |        |    |  |  |             |             |             |             |
|-----------------------|--------|----|--|--|-------------|-------------|-------------|-------------|
| 4-1/2 x 3/32 x 5/8-11 | 13,580 | 20 |  |  |             |             | DC45332HGSS | 66252823102 |
| 4-1/2 x 3/32 x 7/8    | 13,580 | 20 |  |  |             |             | DC45332GSS  | 66252823103 |
| 4-1/2 x 1/8 x 5/8-11  | 13,580 | 20 |  |  | DC4518HCHFC | 66243578249 |             |             |
| 4-1/2 x 1/8 x 7/8     | 13,580 | 20 |  |  | DC4518CHFC  | 66243578248 |             |             |
| 4-1/2 x 1/4 x 5/8-11  | 13,580 | 20 |  |  | DC4514HCHFC | 66243578251 | DC4514HGSS  | 66252819568 |
| 4-1/2 x 1/4 x 7/8     | 13,580 | 20 |  |  | DC4514CHFC  | 66243578250 | DC4514GSS   | 66252819567 |
| 5 x 3/32 x 7/8        | 12,225 | 20 |  |  |             |             | DC5332GSS   | 66252823106 |
| 5 x 1/8 x 5/8-11      | 12,225 | 20 |  |  | DC518HCHFC  | 66243578253 |             |             |
| 5 x 1/8 x 7/8         | 12,225 | 20 |  |  | DC518CHFC   | 66243578252 |             |             |
| 5 x 1/4 x 5/8-11      | 12,225 | 20 |  |  | DC514HCHFC  | 66243578255 |             |             |
| 5 x 1/4 x 7/8         | 12,225 | 20 |  |  | DC514CHFC   | 66243578254 | DC514GSS    | 66252819570 |
| 6 x 3/32 x 7/8        | 10,185 | 20 |  |  |             |             | DC6332GSS   | 66252832487 |
| 6 x 1/8 x 5/8-11      | 10,185 | 10 |  |  | DC618HCHFC  | 66243578257 |             |             |
| 6 x 1/8 x 7/8         | 10,185 | 20 |  |  | DC618CHFC   | 66243578256 |             |             |
| 6 x 1/4 x 5/8-11      | 10,185 | 10 |  |  | DC614HCHFC  | 66243578259 |             |             |
| 6 x 1/4 x 7/8         | 10,185 | 20 |  |  | DC614CHFC   | 66243578258 |             |             |
| 7 x 3/32 x 7/8        | 8,600  | 20 |  |  |             |             | DC7332GSS   | 66252914638 |
| 7 x 1/8 x 5/8-11      | 8,600  | 10 |  |  | DC718HCHFC  | 66243578241 |             |             |
| 7 x 1/8 x 7/8         | 8,600  | 20 |  |  | DC718CHFC   | 66243578240 |             |             |
| 7 x 1/4 x 5/8-11      | 8,600  | 10 |  |  | DC714HCHFC  | 66243578243 |             |             |
| 7 x 1/4 x 7/8         | 8,600  | 20 |  |  | DC714CHFC   | 66243578242 |             |             |
| 9 x 1/8 x 5/8-11      | 6,600  | 10 |  |  | DC918HCHFC  | 66243578245 |             |             |
| 9 x 1/8 x 7/8         | 6,600  | 20 |  |  | DC918CHFC   | 66243578244 |             |             |
| 9 x 1/4 x 5/8-11      | 6,600  | 10 |  |  | DC914HCHFC  | 66243578247 |             |             |
| 9 x 1/4 x 7/8         | 6,600  | 20 |  |  | DC914CHFC   | 66243578246 |             |             |

3/32" WHEELS ARE TO BE USED FOR CUTTING ONLY.

# DEPRESSED CENTER WHEELS



RIGHT ANGLE GRINDER/GRINDING



RIGHT ANGLE GRINDER CUTTING/NOTCHING



**BEST  
NORZON PLUS**



**BETTER  
CHARGER PLUS**



**GOOD  
GEMINI, NORTON MASONRY**

SIZE: D X T X H      MAX RPM      STD PKG      PART NO.      UPC NO.      PART NO.      UPC NO.      PART NO.      UPC NO.

## 1/8", 1/4" ALUMINUM – GRINDING / BLENDING – TYPE 27

|                      |        |    |  |  |  |  |  |              |             |
|----------------------|--------|----|--|--|--|--|--|--------------|-------------|
| 4 x 1/4 x 5/8        | 15,280 | 20 |  |  |  |  |  | DC414GALU    | 66243529741 |
| 4-1/2 x 1/8 x 5/8-11 | 13,580 | 20 |  |  |  |  |  | DC4518HGALU  | 66252819555 |
| 4 x 1/2 x 1/8 x 7/8  | 13,580 | 20 |  |  |  |  |  | DC4518GALU   | 66252819554 |
| 4-1/2 x 1/4 x 5/8-11 | 13,580 | 20 |  |  |  |  |  | DC4514HGALU  | 66252830433 |
| 4-1/2 x 1/4 x 7/8    | 13,580 | 20 |  |  |  |  |  | DC4514GALU   | 66252830627 |
| 5 x 1/4 x 7/8        | 12,225 | 20 |  |  |  |  |  | DC514GALU    | 66252823273 |
| 7 x 1/4 x 5/8-11     | 8,600  | 10 |  |  |  |  |  | DC714HGALU24 | 66252940514 |
|                      |        |    |  |  |  |  |  | DC714HGALU46 | 66252940515 |
| 7 x 1/4 x 7/8        | 8,600  | 20 |  |  |  |  |  | DC714GALU24  | 66252940516 |
| 9 x 1/4 x 5/8-11     | 6,600  | 10 |  |  |  |  |  | DC914HGALU   | 66253049045 |

## 1/8", 1/4" FOUNDRY – GRINDING / CUTTING – TYPE 27

|                      |        |    |             |             |             |             |  |  |  |
|----------------------|--------|----|-------------|-------------|-------------|-------------|--|--|--|
| 4 X 1/4 X 3/8        | 15,280 | 20 |             |             | DC41438CHF  | 66243531504 |  |  |  |
| 4 X 1/4 X 5/8        | 15,280 | 20 |             |             | DC414CHF    | 66243531502 |  |  |  |
| 4-1/2 X 1/8 X 5/8-11 | 13,580 | 20 |             |             | DC4518HCHF  | 66252824508 |  |  |  |
| 4-1/2 X 1/8 X 7/8    | 13,580 | 20 |             |             | DC4518CHF   | 66252824504 |  |  |  |
| 4-1/2 X 1/4 X 5/8-11 | 13,580 | 20 |             |             | DC4514HCHF  | 66252824509 |  |  |  |
| 4-1/2 X 1/4 X 7/8    | 13,580 | 20 |             |             | DC4514CHF   | 66252824505 |  |  |  |
| 7 x 1/8 x 5/8-11     | 8,600  | 10 |             |             | DC718HCHF   | 66252915529 |  |  |  |
| 7 x 1/4 x 5/8-11     | 8,600  | 10 |             |             | DC714HCHF   | 66252915528 |  |  |  |
| 7 X 1/4 X 7/8        | 8,600  | 20 |             |             | DC714CHF    | 66252915527 |  |  |  |
| 9 x 1/8 x 5/8-11     | 6,600  | 10 |             |             | DC918HCHF   | 66253018579 |  |  |  |
| 9 x 1/8 x 7/8        | 6,600  | 20 |             |             | DC918CHF    | 66253018574 |  |  |  |
|                      |        |    |             |             | DC918CHFS   | 66253018940 |  |  |  |
| 9 x 1/4 x 5/8-11     | 6,600  | 10 | DC914HNZPF  | 66253007014 | DC914HCHF   | 66253018580 |  |  |  |
|                      |        |    |             |             | DC914HCHFHD | 66253020902 |  |  |  |
| 9 x 1/4 x 7/8        | 6,600  | 20 | DC914NZPF   | 66253007013 | DC914CHF    | 66253018575 |  |  |  |
|                      |        |    | DC914NZPFHD | 66252832897 | DC914CHFHD  | 66253020901 |  |  |  |

## 1/8", 1/4" MASONRY – GRINDING / CUTTING – TYPE 27

|                      |        |    |  |  |  |  |  |           |             |
|----------------------|--------|----|--|--|--|--|--|-----------|-------------|
| 4 x 1/8 x 5/8        | 15,280 | 10 |  |  |  |  |  | DC418MA   | 07660775914 |
| 4 x 1/4 x 5/8        | 15,280 | 10 |  |  |  |  |  | DC414MA   | 07660775912 |
| 4-1/2 x 1/8 x 7/8    | 13,580 | 10 |  |  |  |  |  | DC4518MA  | 07660775908 |
| 4-1/2 x 1/4 x 5/8-11 | 13,580 | 5  |  |  |  |  |  | DC4514HMA | 07660775993 |
| 4-1/2 x 1/4 x 7/8    | 13,580 | 10 |  |  |  |  |  | DC4514MA  | 07660775944 |
| 5 x 1/4 x 7/8        | 12,225 | 5  |  |  |  |  |  | DC514MA   | 07660775902 |
| 7 x 1/4 x 5/8-11     | 8,600  | 5  |  |  |  |  |  | DC714HMA  | 07660775942 |
| 9 x 1/4 x 5/8-11     | 6,600  | 5  |  |  |  |  |  | DC914HMA  | 07660775937 |

THESE 1/8" MASONRY WHEELS ARE TO BE USED FOR CUTTING ONLY.

### Depressed Center Part Number Key

EXAMPLE: DC 45 14 H CH SS

| WHEEL TYPE            | DIAMETER    | THICKNESS | HUB/HOLE SIZE  | PRODUCT GROUP | MODIFIER             |
|-----------------------|-------------|-----------|----------------|---------------|----------------------|
| DC = DEPRESSED CENTER | 45 = 4-1/2" | 14 = 1/4" | H = 5/8-11 HUB | CH = CHARGER  | SS = STAINLESS STEEL |
| RC = RIGHT CUT        |             |           |                |               | FC = FAST CUT        |

ALUMINUM  
FOUNDRY  
MASONRY

# DEPRESSED CENTER WHEELS



**BEST NORZON PLUS**      **BETTER CHARGER PLUS**      **GOOD GEMINI**

**SIZE: D X T X H**      **MAX RPM**      **STD PKG**      **PART NO.**      **UPC NO.**      **PART NO.**      **UPC NO.**      **PART NO.**      **UPC NO.**

## 1/4" SAUCER – STEEL / STAINLESS – TYPE 28

|                  |       |    |           |             |          |             |         |             |
|------------------|-------|----|-----------|-------------|----------|-------------|---------|-------------|
| 7 x 1/4 x 5/8-11 | 8,600 | 10 | DS714HNZP | 66252905369 | DS714HCH | 66252905367 | DS714HG | 66252940149 |
| 7 x 1/4 x 7/8    | 8,600 | 20 | DS714NZP  | 66252905368 |          |             | DS714G  | 66252940095 |
| 9 x 1/4 x 5/8-11 | 6,600 | 10 | DS914HNZP | 66253006335 | DS914HCH | 66253006334 | DS914HG | 66253049106 |
| 9 x 1/4 x 7/8    | 6,600 | 20 |           |             |          |             | DS914G  | 66253049081 |

expanded offering!

## 1/8" FLEXIBLE-STEEL/STAINLESS/ALUMINUM-BLENDING-TYPE 27

|                    |        |    |  |  |  |  |           |             |
|--------------------|--------|----|--|--|--|--|-----------|-------------|
| 2 x 1/8 x 3/8      | 30,560 | 5  |  |  |  |  | DC2A60    | 66252835632 |
|                    |        |    |  |  |  |  | DC2A80    | 66252835633 |
|                    |        |    |  |  |  |  | DC2A120   | 66252835634 |
| 4 x 1/8 x 5/8*     | 13,500 | 20 |  |  |  |  | DC4GFL36  | 66243529721 |
|                    |        |    |  |  |  |  | DC4GFL60  | 66243529722 |
| 4-1/2 x 1/8 x 7/8* | 12,000 | 20 |  |  |  |  | DC45GFL36 | 66252830424 |
|                    |        |    |  |  |  |  | DC45GFL60 | 66252830425 |
| 7 x 1/8 x 5/8-11   | 7,750  | 10 |  |  |  |  | DC7HGFL36 | 66252939024 |
| 7 x 1/8 x 7/8*     | 7,750  | 20 |  |  |  |  | DC7GFL36  | 66252939028 |

\* USE WITH BACK PLATE. TWO BACK PLATES ARE INCLUDED IN EACH BOX OF 20 WHEELS.

expanded offering!

## 1/8" AVOS AND FLEX-STEEL/STAINLESS/ALUMINUM-BLENDING-TYPE 29

|                      |        |    |  |  |                |             |  |  |
|----------------------|--------|----|--|--|----------------|-------------|--|--|
| 4-1/2 x 1/8 x 5/8-11 | 13,580 | 20 |  |  | DC4518CAVOS36  | 66252825236 |  |  |
|                      |        |    |  |  | DC4518CHFLEX36 | 66252833455 |  |  |
| 4-1/2 x 1/8 x 7/8    | 13,580 | 20 |  |  | DC4518CAVOS36  | 66252823473 |  |  |
|                      |        |    |  |  | DC4518CAVOS46  | 66252823475 |  |  |
|                      |        |    |  |  | DC4518CAVOS60  | 66252823474 |  |  |
|                      |        |    |  |  | DC4518CHFLEX36 | 66252833454 |  |  |
| 5 x 1/8 x 7/8        | 12,225 | 20 |  |  | DC518CAVOS36   | 66252823478 |  |  |
|                      |        |    |  |  | DC518CHFLEX36  | 66252833456 |  |  |
| 7 x 1/8 x 5/8-11     | 8,600  | 10 |  |  | DC718HCHFLEX36 | 66252917052 |  |  |
| 7 x 1/8 x 7/8        | 8,600  | 20 |  |  | DC718CHFLEX36  | 66252917051 |  |  |

**BEST RAPID STRIP**      **BEST RAPID FINISH** new!

**SIZE: D X T X H**      **MAX RPM**      **STD PKG**      **PART NO.**      **UPC NO.**      **PART NO.**      **UPC NO.**

## BEAR-TEX NON-WOVEN – CLEANING/POLISHING – TYPE 27

|                |        |    |               |             |            |             |  |  |
|----------------|--------|----|---------------|-------------|------------|-------------|--|--|
| 4-1/2 x 5/8-11 | 12,000 | 10 | Ex Coarse S/C | 66261009585 | NEX-2AM    | 66261023947 |  |  |
|                |        |    |               |             | NEX-2AF    | 66261023946 |  |  |
|                |        |    |               |             | NEX-2SF    | 66261023943 |  |  |
|                |        |    |               |             | A/O Med HS | 66261023949 |  |  |
| 4-1/2 x 7/8    | 12,000 | 10 | Ex Coarse S/C | 66261009649 | NEX-2AM    | 66261020548 |  |  |
|                |        |    |               |             | NEX-2AF    | 66261020547 |  |  |
|                |        |    |               |             | NEX-2SF    | 66261020546 |  |  |
|                |        |    |               |             | A/O Med HS | 66261020549 |  |  |
| 7 x 5/8-11     | 8,000  | 10 | Ex Coarse S/C | 66261009650 |            |             |  |  |
| 7 x 7/8        | 8,000  | 10 | Ex Coarse S/C | 66261009586 |            |             |  |  |

**STEEL/METAL**  
**ALUMINUM**  
**STAINLESS**



## Norton Depressed Center Adapter Kit

This reusable adapter kit contains everything you need to mount depressed center wheels and saucers with 7/8" center holes on to portable right angle or vertical shaft grinders. Adapter hubs are threaded for mounting on to standard 5/8"-11 NCRH spindles.

|                |                       |                        |                |
|----------------|-----------------------|------------------------|----------------|
| <b>KIT NO.</b> | <b>WHEEL DIAMETER</b> | <b>WHEEL THICKNESS</b> | <b>UPC NO.</b> |
| 114            | 6" thru 9"            | 1/16" thru 1/4"        | 07660789275    |

