

# Contoured PowerFlex Discs – Ceramic

## Ultra Ceramic Plus PowerFlex Disc

Ultra Ceramic Plus PowerFlex discs are the longest lasting, highest performance flap discs available. Ceramic Abrasive on a heavy polyester backing results in industry leading life and value.



**Type 29**  
Contoured Flap Discs have a built-in angle that is designed for best use at an applied angle from 5 to 15 degrees.

### TYPE 29 – ULTRA CERAMIC PLUS FIBERGLASS PLATE POWERFLEX DISCS

| DIA. X A.H.                                       | GRIT | FIBERGLASS PLATE |
|---|------|------------------|
| 4" x 5/8"<br>15,300 RPM<br>10/box<br>100/case     | 36   | 08834191048      |
|   | 40   | 08834191049      |
|   | 60   | 08834191050      |
|   | 80   | 08834191051      |
|   | 100  | 08834191053      |
| 4-1/2" x 7/8"<br>13,300 RPM<br>10/box<br>100/case | 120  | 08834191054      |
|   | 36   | 08834191055      |
|   | 40   | 08834191057      |
|   | 60   | 08834191058      |
| 5" x 7/8"<br>12,000 RPM<br>10/box<br>40/box       | 80   | 08834191059      |
|   | 100  | 08834191083      |
|   | 120  | 08834191084      |
|   | 36   | 08834191085      |
|   | 40   | 08834191086      |
| 7" x 7/8"<br>8,600 RPM<br>10/box<br>40/case       | 60   | 08834191087      |
|   | 80   | 08834191089      |
|   | 100  | 08834191090      |
|   | 120  | 08834191091      |
|   | 36   | 08834191092      |
| 8,600 RPM<br>10/box<br>40/case                    | 40   | 08834191093      |
|   | 60   | 08834191094      |
|   | 80   | 08834191095      |
|   | 100  | 08834191096      |
|   | 120  | 08834191097      |

### TYPE 29 – ULTRA CERAMIC PLUS 3/8-24 RAISED PLATE POWERFLEX DISCS

| DIA. X THD.                                      | GRIT | FIBERGLASS PLATE |
|--|------|------------------|
| 4" x 3/8"-24<br>15,300 RPM<br>10/box<br>100/case | 36   | 08834191300      |
|  | 40   | 08834191330      |
|  | 60   | 08834191331      |
|  | 80   | 08834191342      |
|  | 100  | 08834191345      |
|  | 120  | 08834191581      |

### TYPE 29 – ULTRA CERAMIC PLUS 5/8-11 RAISED HUB POWERFLEX DISCS

| DIA. X THD.  | GRIT | FIBERGLASS PLATE |
|--|------|------------------|
| 4-1/2" x 5/8"-11<br>13,300 RPM<br>10/box<br>100/case | 36   | 08834191098      |
|  | 40   | 08834191099      |
|  | 60   | 08834191193      |
|  | 80   | 08834191200      |
|  | 100  | 08834191201      |
| 5" x 5/8"-11<br>12,000 RPM<br>10/box<br>40/case      | 120  | 08834191202      |
|  | 36   | 08834191204      |
|  | 40   | 08834191205      |
|  | 60   | 08834191215      |
|  | 80   | 08834191282      |
| 7" x 5/8"-11<br>8,600 RPM<br>10/box<br>40/case       | 100  | 08834191283      |
|  | 120  | 08834191284      |
|  | 36   | 08834191285      |
|  | 40   | 08834191295      |
|  | 60   | 08834191296      |
| 8,600 RPM<br>10/box<br>40/case                       | 80   | 08834191297      |
|  | 100  | 08834191298      |
|  | 120  | 08834191299      |

**Tip** Premium performance for heavy grinding, reducing change-overs and increasing productivity.



## Contoured PowerFlex Discs – Zirc Plus

### Premium Zirconia Plus R801 PowerFlex Disc

Premium Zirconia Plus PowerFlex discs use premium zirconia alumina abrasive with a grinding aid on a heavy polyester backing. Outstanding product for heavy stock removal on a wide variety of hard to grind materials.

#### TYPE 29 – PREMIUM ZIRCONIA PLUS R801 POWERFLEX DISCS – FIBERGLASS PLATE

| DIA. X A.H.                                       | GRIT | FIBERGLASS PLATE |
|---|------|------------------|
| 4" x 5/8"<br>15,300 RPM<br>10/box<br>100/case     | 36   | 08834190164      |
|   | 40   | 08834191154      |
|   | 60   | 08834191348      |
|   | 80   | 08834191349      |
|   | 100  | 08834191412      |
|   | 120  | 08834191434      |
| 4-1/2" x 7/8"<br>13,300 RPM<br>10/box<br>100/case | 36   | 08834190178      |
|   | 40   | 08834190179      |
|   | 60   | 08834190761      |
|   | 80   | 08834190180      |
|   | 100  | 08834191435      |
|   | 120  | 08834191445      |
| 5" x 7/8"<br>12,000 RPM<br>10/box<br>40/case      | 36   | 08834191484      |
|   | 40   | 08834191485      |
|   | 60   | 08834191486      |
|   | 80   | 08834191487      |
|   | 100  | 08834191488      |
|   | 120  | 08834191469      |
| 7" x 7/8"<br>8,600 RPM<br>10/box<br>40/case       | 36   | 08834199675      |
|   | 40   | 08834191501      |
|   | 60   | 08834190765      |
|   | 80   | 08834191502      |
|   | 100  | 08834191503      |
|   | 120  | 08834191540      |

#### TYPE 29 – PREMIUM ZIRCONIA PLUS R801 POWERFLEX DISCS – 3/8-24 RAISED HUB

| DIA. X THD.                                     | GRIT | FIBERGLASS PLATE |
|---|------|------------------|
| 4" x 3/8"-24<br>15,300 RPM<br>10/box<br>40/case | 36   | 08834191541      |
|   | 40   | 08834191542      |
|   | 60   | 08834191543      |
|   | 80   | 08834191544      |
|   | 100  | 08834191546      |
|   | 120  | 08834191548      |

#### TYPE 29 – PREMIUM ZIRCONIA PLUS R801 POWERFLEX DISCS – 5/8-11 THD. RAISED HUB

| DIA. X THD.   | GRIT | FIBERGLASS PLATE |
|---|------|------------------|
| 4-1/2" x 5/8"-11<br>13,300 RPM<br>10/box<br>40/case | 36   | 08834190436      |
|   | 40   | 08834191594      |
|   | 60   | 08834198008      |
|   | 80   | 08834190455      |
|   | 100  | 08834191552      |
|   | 120  | 08834191553      |
| 5" x 5/8"-11<br>12,000 RPM<br>10/box<br>40/case     | 36   | 08834191554      |
|   | 40   | 08834191562      |
|   | 60   | 08834191574      |
|   | 80   | 08834191575      |
|   | 100  | 08834191576      |
|   | 120  | 08834191577      |
| 7" x 5/8"-11<br>8,600 RPM<br>10/box<br>40/case      | 36   | 08834191578      |
|   | 40   | 08834191041      |
|   | 60   | 08834190764      |
|   | 80   | 08834191437      |
|   | 100  | 08834191579      |
|   | 120  | 08834191580      |



**Zirconia Alumina  
Fiberglass Plate**

## Contoured PowerFlex Discs

Type 29 Contoured Flap Discs are the most aggressive option. Angled face provides greater surface contact with higher metal removal rates.

### Zirconia Alumina Contoured PowerFlex Discs

High Performance Zirconia Alumina produces an aggressive cut and long life. Best all-around product for flap discs.

### Aluminum Oxide Contoured PowerFlex Discs

Aluminum Oxide is a good option for a smooth cutting, excellent finishing flap disc.

## TYPE 29 – CONTOURED POWERFLEX DISCS

| DIA. X A.H.                                       | GRIT | ZIRCONIA ALUMINA |                  | ALUMINUM OXIDE   |
|---|------|------------------|------------------|------------------|
|   |      | ALUMINUM PLATE   | FIBERGLASS PLATE | FIBERGLASS PLATE |
| 4" x 5/8"<br>15,300 RPM<br>10/box<br>100/case     | 24   | 08834193718      | 08834193722      | 08834193732      |
|   | 36   | 08834193422      | 08834193630      | 08834193656      |
|   | 40   | 08834193709      | 08834193645      | 08834193657      |
|   | 60   | 08834193429      | 08834193631      | 08834193658      |
|   | 80   | 08834193432      | 08834193632      | 08834193659      |
|   | 120  | 08834193471      | 08834193646      | 08834193661      |
| 4-1/2" x 7/8"<br>13,300 RPM<br>10/box<br>100/case | 24   | 08834193719      | 08834193723      | 08834193733      |
|   | 36   | 08834193421      | 08834193633      | 08834193662      |
|   | 40   | 08834193710      | 08834193647      | 08834193663      |
|   | 60   | 08834193424      | 08834193634      | 08834193664      |
|   | 80   | 08834193425      | 08834193635      | 08834193665      |
|   | 120  | 08834193711      | 08834193648      | 08834193667      |
| 5" x 7/8"<br>12,000 RPM<br>10/box<br>40/case      | 24   | 08834193720      | 08834193724      | 08834193734      |
|   | 36   | 08834193712      | 08834193649      | 08834193668      |
|   | 40   | 08834193713      | 08834193650      | 08834193669      |
|   | 60   | 08834193714      | 08834193651      | 08834193670      |
|   | 80   | 08834193715      | 08834193652      | 08834193671      |
|   | 120  | 08834193716      | 08834193653      | 08834193672      |
| 7" x 7/8"<br>8,600 RPM<br>10/box<br>40/case       | 24   | 08834193430      | 08834193725      | 08834193735      |
|   | 36   | 08834193431      | 08834193636      | 08834193673      |
|   | 40   | 08834193717      | 08834193654      | 08834193674      |
|   | 60   | 08834193434      | 08834193637      | 08834193675      |
|   | 80   | 08834193435      | 08834193638      | 08834193676      |
|   | 120  | 08834193437      | 08834193655      | 08834193678      |



**Type 29  
Contoured Flap Discs  
have a built-in angle that is  
designed for best use at an  
applied angle from  
5 to 15 degrees.**



**Tip** For comparable finish,  
use one grit coarser  
than resin fiber discs

## Contoured PowerFlex Discs (continued)



**Zirconia Fiberglass  
5/8-11 Hub**

### TYPE 29 – CONTOURED 5/8 - 11 THD. RAISED PLATE

| DIA. X THD.   | GRIT | ZIRCONIA ALUMINA |                  | ALUMINUM OXIDE   |
|---|------|------------------|------------------|------------------|
|   |      | ALUMINUM PLATE   | FIBERGLASS PLATE | FIBERGLASS PLATE |
| 4-1/2" x 5/8"-11<br>13,300 RPM<br>10/box<br>40/case | 24   | 08834190101      | 08834193726      | 08834193729      |
|   | 36   | 08834190102      | 08834193679      | 08834193694      |
|   | 40   | 08834190103      | 08834193680      | 08834193695      |
|   | 60   | 08834190104      | 08834193681      | 08834193696      |
|   | 80   | 08834190106      | 08834193682      | 08834193697      |
|   | 120  | 08834190107      | 08834193683      | 08834193698      |
| 5" x 5/8"-11<br>12,000 RPM<br>10/box<br>40/case     | 24   | 08834190109      | 08834193727      | 08834193730      |
|   | 36   | 08834190110      | 08834193684      | 08834193699      |
|   | 40   | 08834190111      | 08834193685      | 08834193700      |
|   | 60   | 08834190112      | 08834193686      | 08834193701      |
|   | 80   | 08834190115      | 08834193687      | 08834193702      |
|   | 120  | 08834190118      | 08834193688      | 08834193703      |
| 7" x 5/8"-11<br>8,600 RPM<br>10/box<br>40/case      | 24   | 08834190119      | 08834193728      | 08834193731      |
|   | 36   | 08834190120      | 08834193689      | 08834193704      |
|   | 40   | 08834190121      | 08834193690      | 08834193705      |
|   | 60   | 08834190122      | 08834193691      | 08834193706      |
|   | 80   | 08834190123      | 08834193692      | 08834193707      |
|   | 120  | 08834190129      | 08834193693      | 08834193708      |



**Contoured, Type 29  
5/8-11 Raised Hub for  
quick and easy mounting  
and removal.**

## Mini PowerFlex Discs

For the job that requires an aggressive but small diameter flap disc, try Merit Mini PowerFlex Discs. Safe, quiet and easy to control, the Mini PowerFlex disc is designed with layered flaps which wear away evenly, producing a high quality and consistent finish on metals and other exotic materials – and with a quick change feature on the back of each disc, downtime is reduced dramatically. For use with Type II or Type III holders.



### TYPE 27 – ZIRCONIA MINI POWERFLEX DISCS

| DIAMETER                                | GRIT | TYPE II     | TYPE III    |
|---|------|-------------|-------------|
| 2"<br>24,000 RPM<br>10/tube<br>100/case | 36   | 08834195020 | 08834194550 |
|   | 40   | 08834195021 | 08834194551 |
|   | 60   | 08834195022 | 08834194552 |
|   | 80   | 08834195023 | 08834194553 |
|   | 120  | 08834195024 | 08834194554 |
| 3"<br>20,000 RPM<br>10/tube<br>100/case | 36   | 08834195035 | 08834194563 |
|   | 40   | 08834195036 | 08834194564 |
|   | 60   | 08834195037 | 08834194565 |
|   | 80   | 08834195038 | 08834194566 |
|   | 120  | 08834195039 | 08834194567 |



**Type II  
Mini PowerFlex Holder  
Part # 08834168539**




**Type III  
Mini PowerFlex Holder  
Part # 08834160172**

### POWERFLEX ADAPTER KIT

| DESCRIPTION                                       | PART #      |
|---|-------------|
| Disc pad nut 5/8-11 thd.<br>and bell shape washer | 08834190908 |




# Flat PowerFlex Discs

**Flat, Type 27**  
**The best choice for smooth finishing.**  
**Type 27 flap discs are used at flatter angles (0 to 15 degrees) and are used primarily on flat surfaces.**

## TYPE 27 – FLAT POWERFLEX DISCS

| DIA. X A.H.                                      | GRIT | ZIRCONIA ALUMINA |                  | ALUMINUM OXIDE   |
|--|------|------------------|------------------|------------------|
|  |      | ALUMINUM PLATE   | FIBERGLASS PLATE | FIBERGLASS PLATE |
| 4-1/2" x 7/8"<br>13,300 RPM<br>10/box<br>40/case | 24   | 08834190855      | 08834190785      | 08834190786      |
|  | 36   | 08834190856      | 08834190789      | 08834190827      |
|  | 40   | 08834190857      | 08834190728      | 08834190787      |
|  | 60   | 08834190858      | 08834190750      | 08834190753      |
|  | 80   | 08834190859      | 08834190751      | 08834190826      |
| 5" x 7/8"<br>12,000 RPM<br>10/box<br>40/case     | 120  | 08834190860      | 08834190825      | 08834190828      |
|  | 24   | 08834194933      | 08834194939      | 08834195181      |
|  | 36   | 08834194934      | 08834194940      | 08834195182      |
|  | 40   | 08834194935      | 08834194941      | 08834195183      |
|  | 60   | 08834194936      | 08834194942      | 08834195184      |
| 7" x 7/8"<br>8,600 RPM<br>40/case                | 80   | 08834194937      | 08834194943      | 08834195185      |
|  | 120  | 08834194938      | 08834194944      | 08834195186      |
|  | 24   | 08834190884      | 08834190838      | 08834190829      |
|  | 36   | 08834190863      | 08834190783      | 08834190830      |
|  | 40   | 08834190864      | 08834190788      | 08834190831      |
| 40/case  | 60   | 08834190865      | 08834190839      | 08834190835      |
|  | 80   | 08834190866      | 08834190720      | 08834190836      |
|  | 120  | 08834190867      | 08834190840      | 08834190837      |

**Flat, Type 27 with Raised Hub**  
**for quick and easy mount and removal.**

## TYPE 27 – FLAT 5/8-11 THD. POWERFLEX DISCS

| DIA. X THD.   | GRIT | ZIRCONIA ALUMINA |                  | ALUMINUM OXIDE   |
|---|------|------------------|------------------|------------------|
|   |      | ALUMINUM PLATE   | FIBERGLASS PLATE | FIBERGLASS PLATE |
| 4-1/2" x 5/8"-11<br>13,300 RPM<br>10/box<br>40/case | 24   | 08834194985      | 08834194380      | 08834195196      |
|   | 36   | 08834190937      | 08834193319      | 08834195198      |
|   | 40   | 08834194986      | 08834190923      | 08834190922      |
|   | 60   | 08834194987      | 08834194925      | 08834190921      |
|   | 80   | 08834194988      | 08834193320      | 08834190885      |
| 5" x 5/8"-11<br>12,000 RPM<br>10/box<br>40/case     | 120  | 08834194989      | 08834193619      | 08834190899      |
|   | 24   | 08834194945      | 08834194951      | 08834195207      |
|   | 36   | 08834194946      | 08834194952      | 08834195208      |
|   | 40   | 08834194947      | 08834194953      | 08834195209      |
|   | 60   | 08834194948      | 08834194954      | 08834195212      |
| 7" x 5/8"-11<br>8,600 RPM<br>10/box<br>40/case      | 80   | 08834194949      | 08834194955      | 08834195213      |
|   | 120  | 08834194950      | 08834194956      | 08834195214      |
|   | 24   | 08834194926      | 08834190965      | 08834195220      |
|   | 36   | 08834190939      | 08834190886      | 08834195221      |
|   | 40   | 08834194927      | 08834190887      | 08834195222      |
| 40/case   | 60   | 08834194928      | 08834192055      | 08834195223      |
|   | 80   | 08834194929      | 08834192294      | 08834195224      |
|   | 120  | 08834194930      | 08834192169      | 08834191277      |

# High Density PowerFlex Discs

## High Density PowerFlex Disc

Provides the same high performance as our regular PowerFlex, but with 50% more usable abrasive. The added abrasive gives a cushion to the product which provides a quick grind with less heat to produce a higher quality finish.



### TYPE 29 – HIGH DENSITY

| DIA. X A.H.  | GRIT | ZIRCONIA ALUMINA FIBERGLASS PLATE |
|--|------|-----------------------------------|
| 4-1/2" x 7/8" AH<br>13,000 RPM<br>10/box<br>100/case | 24   | 08834194833                       |
|  | 36   | 08834191427                       |
|  | 40   | 08834190726                       |
|  | 60   | 08834190175                       |
|  | 80   | 08834190924                       |
| 7" x 7/8" AH<br>8,600 RPM<br>10/box<br>40/case       | 120  | 08834190995                       |
|  | 24   | 08834190877                       |
|  | 36   | 08834190878                       |
|  | 40   | 08834192059                       |
|  | 60   | 08834196985                       |
|  | 80   | 08834196986                       |
|  | 120  | 08834196988                       |

### TYPE 27 – HIGH DENSITY

| DIA. X A.H.  | GRIT | ZIRCONIA ALUMINA FIBERGLASS PLATE |
|--|------|-----------------------------------|
| 4-1/2" x 7/8" AH<br>13,300 RPM<br>10/box<br>100/case | 24   | 08834194834                       |
|  | 36   | 08834192985                       |
|  | 40   | 08834190172                       |
|  | 60   | 08834190767                       |
|  | 80   | 08834194360                       |
| 7" x 7/8" AH<br>8,600 RPM<br>10/box<br>40/case       | 120  | 08834194841                       |
|  | 24   | 08834194831                       |
|  | 36   | 08834194361                       |
|  | 40   | 08834190933                       |
|  | 60   | 08834194514                       |
|  | 80   | 08834194362                       |
|  | 120  | 08834194832                       |

### TYPE 29 – HIGH DENSITY 5/8-11 RAISED HUB

| DIA. X A.H.  | GRIT | ZIRCONIA ALUMINA FIBERGLASS PLATE |
|--|------|-----------------------------------|
| 4-1/2" x 5/8"-11<br>13,000 RPM<br>10/box<br>100/case | 36   | 08834194447                       |
|  | 40   | 08834193906                       |
|  | 60   | 66261044504                       |
|  | 80   | 66261044505                       |
|  | 120  | 66261044506                       |
| 7" x 5/8"-11<br>8,600 RPM<br>10/box<br>40/case       | 36   | 08834193830                       |
|  | 40   | 66261044540                       |
|  | 60   | 08834199751                       |
|  | 80   | 08834192896                       |
|  | 120  | 66261044541                       |

### TYPE 27 – HIGH DENSITY 5/8-11 RAISED HUB

| DIA. X A.H.  | GRIT | ZIRCONIA ALUMINA FIBERGLASS PLATE |
|--|------|-----------------------------------|
| 4-1/2" x 5/8"-11<br>13,000 RPM<br>10/box<br>100/case | 24   | 08834191969                       |
|  | 36   | 08834199749                       |
|  | 40   | 08834194731                       |
|  | 60   | 08834199750                       |
|  | 80   | 08834190330                       |
| 7" x 5/8"-11<br>8,600 RPM<br>10/box<br>40/case       | 120  | 08834191941                       |
|  | 24   | 08834191986                       |
|  | 36   | 08834195073                       |
|  | 40   | 08834191043                       |
|  | 60   | 08834197227                       |
|  | 80   | 08834191674                       |
|  | 120  | 08834191987                       |

**Tip**

Know your competition! To keep a competitive edge, run High Density PowerFlex Discs versus other manufacturer's Jumbo, XL or High Density Discs.