



Grinding & Polishing Consumables

Diamond Grinding Discs

Diamond grinding discs offer a long-wear surface that provides excellent surface flatness for a wide variety of materials. Buehler offers multiple different types of products depending on the material being processed.

Long Life with Consistent Results

Fixed diamond particles provide consistent removal rates and extended lifetime with only an occasional dressing to maintain the surface.

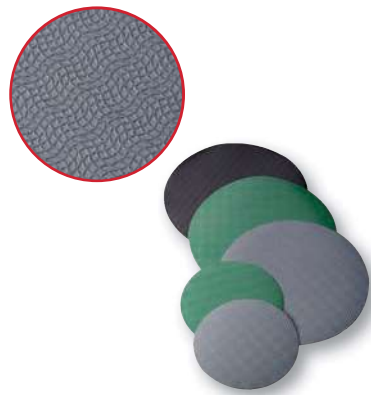
Ideal Solution for Automation

Diamond Grinding Discs offer superb edge retention and excellent flatness making them the perfect choice for controlled material removal on automated systems.

Process a Variety of Materials

Grinding hard materials requires a different type of surface than grinding softer materials. Buehler's Diamond Grinding Discs offer customized solutions for different material types to ensure efficient and consistent grinding.

Apex™ CGD (Coarse Grinding Discs) (Qty 1)



- Provide fast, aggressive materials removal for specimens that are not susceptible to excessive damage
- Available with PSA backing

| Color | Micron | 8in [203mm] | 10in [254mm] | 12in [305mm] |
|-------|--------|-------------|--------------|--------------|
| Grey | 320µm | 41-10006 | 41-10009 | 41-10012 |
| Green | 240µm | 41-10007 | 41-10010 | 41-10013 |
| Black | 125µm | 41-10008 | 41-10011 | 41-10014 |

Apex™ DGD Color (Diamond Grinding Discs) (Qty 1)



- Utilize a specially formulated resin bond for consistent material removal
- Ideal for most engineering metals
- Available with PSA or Magnetic backing

| Color | Micron | 8in [203mm] | | 10in [254mm] | | 12in [305mm] | |
|--------|--------|-------------|----------|--------------|----------|--------------|----------|
| | | PSA | Magnetic | PSA | Magnetic | PSA | Magnetic |
| Green | 240µm | 41-3308 | 414308D | 41-3310 | 414310D | 41-3312 | 414312D |
| Black | 125µm | 41-3408 | 414408D | 41-3410 | 414410D | 41-3412 | 414412D |
| Red | 75µm | 41-3508 | 414508D | 41-3510 | 414510D | 41-3512 | 414512D |
| Purple | 55µm | 41-3608 | 414608D | 41-3610 | 414610D | 41-3612 | 414612D |
| Yellow | 35µm | 41-3708 | 414708D | 41-3710 | 414710D | 41-3712 | 414712D |
| White | 15µm | 41-3808 | 414808D | 41-3810 | 414810D | 41-3812 | 414812D |
| Blue | 8µm | 41-3908 | 414908D | 41-3910 | 414910D | 41-3912 | 414912D |

Accessories

15-6190 Dressing Stick for Diamond Grinding Discs

Apex™ DGD (Diamond Grinding Disc) (Qty 1)



- Provides consistent material removal with excellent flatness
- Ideal for brittle and hard materials such as ceramics and glass
- Available with PSA or Magnetic backing

| Micron | 8in [203mm] | | 10in [254mm] | | 12in [305mm] | |
|--------|-------------|----------|--------------|----------|--------------|----------|
| | PSA | Magnetic | PSA | Magnetic | PSA | Magnetic |
| 165µm | 41-5008 | 416008D | 41-5010 | 416010D | 41-5012 | 416012D |
| 125µm | 41-5108 | 416108D | 41-5110 | 416110D | 41-5112 | 416112D |
| 70µm | 41-5208 | 416208D | 41-5210 | 416210D | 41-5212 | 416212D |
| 45µm | 41-5308 | 416308D | 41-5310 | 416310D | 41-5312 | 416312D |
| 30µm | 41-5408 | 416408D | 41-5410 | 416410D | 41-5412 | 416412D |
| 15µm | 41-5508 | 416508D | 41-5510 | 416510D | 41-5512 | 416512D |
| 9µm | 41-5608 | 416608D | 41-5610 | 416610D | 41-5612 | 416612D |
| 6µm | 41-5708 | 416708D | 41-5710 | 416710D | 41-5712 | 416712D |
| 3µm | 41-5808 | 416808D | 41-5810 | 416810D | 41-5812 | 416812D |
| 0.5µm | 41-5908 | 416908D | 41-5910 | 416910D | 41-5912 | 416912D |

UltraPrep™ Diamond Discs (Qty 1)



- Designed for initial grinding steps of mixed hardness materials
- Available with PSA backing

| Color | Micron | 8in [203mm] | 12in [305mm] |
|----------------|--------|-------------|--------------|
| ● Black | 125µm | 15-6199 | 15-6299 |
| ● Red | 70µm | 15-6170 | 15-6270 |
| ● Yellow | 45µm | 15-6145 | 15-6245 |
| ○ White | 15µm | 15-6115 | 15-6215 |
| ● Blue | 9µm | 15-6109 | 15-6209 |
| ● Light Purple | 6µm | 15-6106 | 15-6206 |

UltraPrep Diamond Abrasive Discs (Qty 1)

| Micron | 8in [203mm] | 10in [254mm] | 12in [305mm] |
|--------|-------------|--------------|--------------|
| 250µm | | 14-2580 | 14-3080 |
| 125µm | 14-2081 | 14-2581 | 14-3081 |
| 74µm | 14-2082 | 14-2582 | 14-3082 |
| 40µm | 14-2083 | 14-2583 | 14-3083 |
| 20µm | 14-2085 | 14-2585 | 14-3085 |