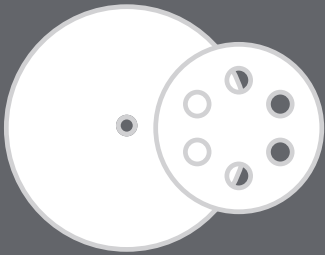


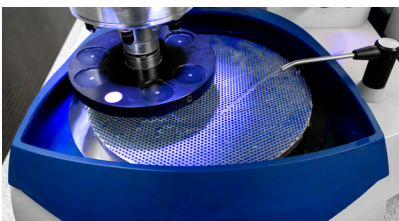


IMPROVE
THE GRINDING
PROCESS



DGD MOSAIC™

DIAMOND GRINDING DISCS

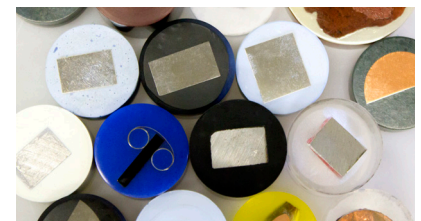


Efficient Results

Grind your samples faster with our discs than ever before. While providing a high material removal rate, Buehler's DGD Mosaic line also provides a great surface finish. This will decrease grinding cycle time and increase your throughput allowing you analyze samples faster than before.

Save Time

Cut down on process time not only during grinding but in between steps too. Our Magnetic backed DGD Mosaic line is ready to use right out of the box, thus eliminating any DGD setup time; simply place the disc on a magnetic plate and you're ready to go.



Extended Lifetime

Spend less time and money replacing spent DGDs and more time using them. Our discs offer extended life with consistent grinding performance allowing you to grind more samples than before.

Practical Applications for DGD Mosaic Use

For every material and application, there is a DGD Mosaic that can meet your needs. For the most commonly used materials, featured below are our grit size recommendations to ensure the best removal rate and surface finish. No matter what you're testing, trust the experts at Buehler to develop a process to meet the specific needs of your lab.

← Coarse ————— Fine →

Material	120 grit	220 grit	320 grit	400 grit	1000 grit
Low Hardness Surface Treated Steels			•		
Medium Hard Surface Treated Steels		•			
Very Hard Surface Treated Steels	•				
>60 HRC Steel	•				
50-60 HRC Steel		•			
40-50 HRC Steel			•		
Low Carbon Steel			•		
Cast Irons		•	‡		
Nodular Cast Irons (SG)		•	‡		
White Cast Iron	•				
High Alloy Steels		•			
Iron Based Superalloy		•	‡		
High Strength Alloy Steel		•			
Nickel		•	‡		
Cobalt			•		
Thermal Spray Coatings			•	‡	
Silicon, Boron, and Sintered Carbides			•	→ •	
Capacitors and Diodes				•	‡
Si Wafers				•	‡

•=recommended use #1 ‡=recommended use #2

Note: Recommendation may vary based on specific material and desired surface finish

Ordering Information



Grit Size	Equiv.	8in [203mm]	10in [254mm]	12in [305mm]
ANSI [FEPA]	Micron Size			
120 [P120]	120µm	41-708-0120	41-710-0120	41-712-0120
220 [P240]	60µm	41-708-0220	41-710-0220	41-712-0220
320 [P400]	35µm	41-708-0320	41-710-0320	41-712-0320
400 [P600]	25µm	41-708-0400	41-710-0400	41-712-0400
1000 [P1500]	12µm	41-708-1000	41-710-1000	41-712-1000

Each item number above contains 1 disc and Dressing Stick 11-1190

*Requires dressing before initial use



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