International Standardization of Grit Sizes for Diamond and Cubic Boron Nitride

Sieve grit Designations

Diamond FEPA-Standard		Boron Nitride FEPA-Standard		For comparison: US Standard ASTM-E-11-70 Diamond + CBN		Nominal mesh to ISO R 565 1972	For comparison: DIN 848 June 65 simplified adaptation to FEPA & US Standard	
close	wide	close	wide	close	wide	µm	close	wide
D 1181	**D 1182**	B 1181	B 1182	16/ 18	16/20	1180/1000		D 1100
D 1001		B 1001		18/ 20		1000/ 850		D 900
D 851	**D 852**	B 851	B 852	20/ 25	20/30	850/ 710		D 700
D 711		B 711		25/ 30		710/ 600	D 550	D 500
D 601	**D 602**	B 601	B 602	30/ 35	30/40	600/ 500	D 450	
D 501		B 501		35/ 40		500/ 425		D 350
D 426	**D 427**	**B 426**	**B 427**	40/ 45	40/50	425/ 355		
D 356		**B 356**		45/ 50		355/ 300	D 280	D 250
D 301		**B 301**		50/ 60		300/ 250		
D 251	**D 252**	**B 251**	**B 252**	60/ 70		250/ 212	D 220	
D 213		**B 213**		70/ 80		212/ 180	D 180	D 150
D 181		**B 181**		80/100		180/ 150	D 140	
D 151		**B 151**		100/120		150/ 125	D 110	D 100
D 126		**B 126**		120/140		125/ 106		
D 107		**B 107**		140/170		106/ 90	D 90	D 70
D 91		**B 91**		170/200		90/ 75	D 65	
D 76		**B 76**		200/230		75/ 63	D 55	D 50
D 64		**B 64**		230/270		63/ 53	D 45	
D 54		**B 54**		270/325		53/ 45	D 35	D 30
D 46		**B 46**		325/400		45/ 38	D 25	

Micron Grit Designations

Diamond		
DIN 848 June 65	**HEMA** grit ident.	grit size µm
	D 20	25-40
	D 20 B	30-40
	D 20 A	25-30
D 15		10-25
	D 15 C	20-25
	D 15 B	15-20
	D 15 A	10-15
D 7		5-10
D 3		2- 5
D 1		1- 2
D 0.7		0.5- 1
D 0.25		< 0.5

◤ Grits recommended by HEMA

Equivalent FEPA Standard is in preparation for grit size < D 46.

HEMA GOLD DIAMOND WHEEL
HEMA DIAMOND CO., LTD.