



Orifice/Mixing Tube Selection Guide

Step 1 Selecting the Tube & Orifice Size

Standard Setup →

Glass	Metal	Stone	Speed	Thickness	Taper	Kerf	Finish	Abrasive Size	Abrasive Rate	Power	Orifice Diameter (inch/thousand)	Mixing Tube Diameter (inch/thousand)
			↑	↑	↓	↓	↓	↑	↑	↑	20	42, 48
											15	32, 42, 48
											14	30, 32, 42
											10	21
					Less	Smaller	Better					

Step 2 Which Abrasive Flow Rate Should You Use

Standard Setup →

Orifice Diameter (inch)	Mixing Tube Diameter (inch)	Abrasive Size (Mesh)	Abrasive Flow Rate (lb./min.)		Abrasive Orifice Diameter (inch)	Standard Abrasive Flow Rate (lb./min.)
			Min.	Max.		
0.020	0.042		1.4	2.4	.344 (11/32)	1.8
0.015	0.048	50	1.8	2.4	.344 (11/32)	1.8
0.014	0.042		1.4	1.8	.312 (5/16)	1.4
0.015	0.032	80	0.8	1.0	0.281	1
0.014	0.030		0.7	0.9	.250 (1/4)	0.75
		120			.219 (7/32)	0.5
0.010	0.021	150	0.3	0.4	.187 (3/16)	0.3
		220				

Step 3 Choose Your Abrasive Index

Barton Mined Garnet (HPX)	1.00
Barton Alluvial Garnet (HPA)	0.96
GMA Garnet	0.96
India Garnet	0.94