



Technical Bulletins

Cushion Lengths

The purpose of this Technical Bulletin is to show the actual cushion lengths on the following cylinders. The Original Line, Double Wall, Pneu-Turn, Ultran Rodless, and ISO 6431/6432.

The following charts below will show the lengths of the cushion sleeves.

Original line		
ORIGINAL LINE W/ CUSHIONS Including PC Cylinders	Bore sizes ¾" to 1-1/2"	.75"
	Bore sizes 2" to 2-1/2"	.90"
	Bore sizes 3"	.985"
DOUBLE-WALL W/ CUSHIONS	Bore sizes 1-1/2-2-1/2"	.675
	Bore sizes 3-1/4-4"	.800

PNEU TURNS Single Rack 9/16" (006) 3 / 4" (017) 1-1/16 (037) 1-1/2" (098) 2" (247)										
95 Degrees 102 Degrees 77 Degrees 78 Degrees										
	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2
Cushions all sides	N/A	N/A	.625	.625	.745	.745	.750	.750	1.077	1.077

PNEU TURNS Double Rack 9/16" (014) 3 / 4" (033) 1-1/16" (074) 1-1/2" (196) 2" (494)										
95 Degrees 102 Degrees 77 Degrees 78 Degrees										
	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2
Cushions all sides	N/A	N/A	.625	.625	.745	.745	.750	.750	1.077	1.077

ULTRAN RODLESS CYLINDERS	
007 5/16 "	N/A
01 7/16 "	N/A
02 9/16 "	.678
04 3 /4 "	1.025
06 7/8 "	.625
09 1-1/16 "	.750
12 1-1/4 "	.632
17 1-1/2 "	.750
31 2 "	.750

ISO 6431 32mm Bore 40mm Bore 50mm Bore 63mm Bore 80mm Bore 100mm Bore						
	19 mm	21 mm	23 mm	23 mm	29 mm	29 mm

ISO 6432 16 mm Bore 20 mm Bore 25 mm Bore			
	10 mm	12.5 mm	13 mm

The information presented is in Bimba's best engineering opinion and should be used for reference only. Recommendations derived should be verified under actual operating conditions. Bimba reserves the right to change specifications without prior notice.

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