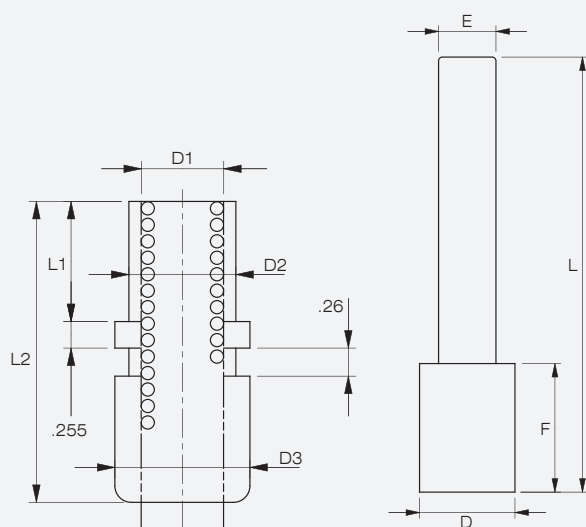




Ball cage is designed to circulate around pin and bush, giving even wear and longer life.

A1 Series can be fitted into Hales standard die set without any modification.



Product Code	D (+.0000 -.0002)	E (+.0000 -.0002)	F +.020	L (+.030 -.000)
A1-1x4.5	0.9855	0.900	1.250	4.5
A1-1x5.75	0.9855	0.900	1.250	5.75
A1-1x7	0.9855	0.900	1.250	7
A1-1x7.5	0.9855	0.900	1.250	7.5
A1-1x8	0.9855	0.900	1.250	8
A1-1.25X5.75	1.2355	1.150	1.500	5.75
A1-1.25X6.5	1.2355	1.150	1.500	6.5
A1-1.25X7	1.2355	1.150	1.500	7
A1-1.25X7.5	1.2355	1.150	1.500	7.5
A1-1.25X8	1.2355	1.150	1.500	8
A1-1.25X8.5	1.2355	1.150	1.500	8.5
A1-1.5X6	1.4855	1.400	1.500	6
A1-1.5X6.5	1.4855	1.400	1.500	6.5
A1-1.5X7	1.4855	1.400	1.500	7
A1-1.5X7.5	1.4855	1.400	1.500	7.5
A1-1.5X8	1.4855	1.400	1.500	8
A1-1.5X8.5	1.4855	1.400	1.500	8.5
A1-1.5X9.5	1.4855	1.400	1.500	9.5

Product Code	Description	D1	D2		D3	L1	L2
			Hole +0 +.0010	Bush +.0002 +0			
A1-1BUSH	A1 Series 1Bush/Retainer	1.274	1.500		1.875	1.218	3.437
A1-1.25 BUSH	A1 Series 1 1/4Bush/Retain	1.524	1.750		2.125	1.218	3.437
A1-1.5 BUSH	A1 Series 1 1/2 Bush/Retain	1.774	2.000		2.375	1.437	4.187