



L1740

Material

Hardened and ground steel ball plate from bearing steel.
 Floating plate feature offers self-alignment and clearance adjustment.
 Single body resin retainer (POM).
 Supplied with nitrile rubber (NBR) end seals -UU as standard.

Technical Notes

The superball series has 3 x the load rating and 27 x the travel life of conventional linear bushings.
 They offer self-alignment - prolonging travel life by reducing the friction between shaft and balls.
 For use with hardened shafts only (see

part nos. L1770 - L1772) - tolerance h6.
 Perpendicularity A is better than 15μ.
 Temperature range: -20°C to +80°C.

Order No.	d ₁ h6	d ₂ h6	l ₁ ±0,2	l ₂ ±0,2	l ₃ min.	No. of ball circuits	Max. dynamic load C N	Max. static load C ₀ N	⊥ g
L1740.010	10	19	29	21,7	1,35	5	550	750	17
L1740.012	12	22	32	22,7	1,35	5	1100	1230	23
L1740.016	16	26	36	24,7	1,35	5	1250	1550	28
L1740.020	20	32	45	31,3	1,65	6	1670	2580	61
L1740.025	25	40	58	43,8	1,90	6	2750	3800	122
L1740.030	30	47	68	51,8	1,90	6	2800	4710	185
L1740.040	40	62	80	60,4	2,20	6	5720	6500	360
L1740.050	50	75	100	77,4	2,70	6	7940	11460	580