

LSP-C
LSP-A

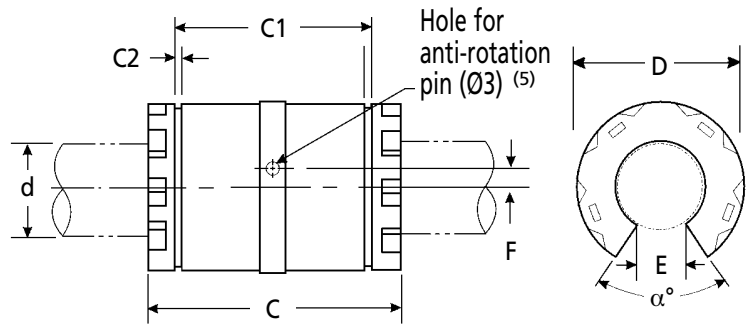
LINEAR MOTION

Super Smart Ball Bushing* Bearings

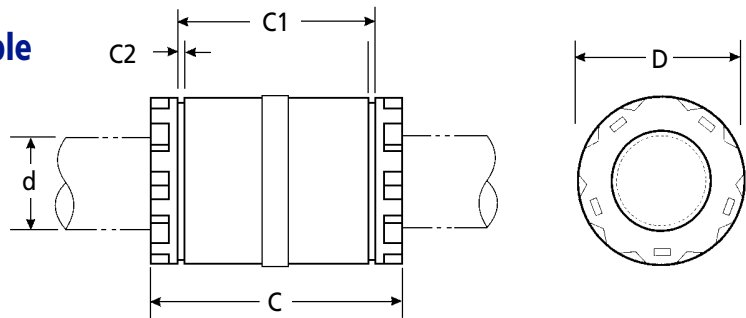
Open : Fixed & Closed Adjustable



LSP-C Type
Open Fixed



LSP-A Type
Closed Adjustable



Discounts: 6+ -10%

Part Number	d ⁽⁴⁾	D	C h14	C1 H13	C2 min.	E ±0.1	F	α°	No. of Ball Tracks	Mass (Kg)	Load W ⁽¹⁾⁽³⁾ (N)	Load Limit Wo ⁽²⁾⁽³⁾ (N)	Price Each 1 - 5
OPEN FIXED													
LSP12C	12	22	32	22.6	1.30	7.0	1.35	70°	4	0.018	750	825	£54.46
LSP16C	16	26	36	24.6	1.30	9.0	0.00	70°	8	0.023	2200	2400	£67.73
LSP20C	20	32	45	31.2	1.60	10.0	0.00	50°	8	0.054	4000	4400	£76.56
LSP25C	25	40	58	43.7	1.85	12.5	1.50	60°	8	0.107	6700	7300	£95.67
LSP30C	30	47	68	51.7	1.85	13.7	2.00	55°	8	0.163	8300	9100	£111.70
LSP40C	40	62	80	60.3	2.15	19.0	1.50	54°	8	0.315	13700	15000	£150.03
CLOSED ADJUSTABLE													
LSP8A	8	16	25	16.2	1.10	-	-	-	4	0.016	310	340	£38.03**
LSP12A	12	22	32	22.6	1.30	-	-	-	5	0.023	650	715	£42.48**
LSP16A	16	26	36	24.6	1.30	-	-	-	10	0.030	2200	2400	£50.31
LSP20A	20	32	45	31.2	1.60	-	-	-	10	0.066	4000	4400	£58.49
LSP25A	25	40	58	43.7	1.85	-	-	-	10	0.135	6700	7300	£74.69
LSP30A	30	47	68	51.7	1.85	-	-	-	10	0.206	8300	9100	£85.90
LSP40A	40	62	80	60.3	2.15	-	-	-	10	0.392	13700	15000	£121.89

Material

Bearings: Carbon Steel. For a corrosion resistant bearing add suffix-CR to the part number and reduce the load capacity by 30%.

Other Info.

Temperature Range: -20°C to +80°C

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BALL BUSHING is a registered Community Trademark.

** Superplus - not Super Smart

(1) For rated travel life of 100km. For longer travel lives, reduce load to $W \times (100/\text{Life})^{0.33}$ where (km) is the required travel life.

Do not exceed the Dynamic Load Rating for travel life of less than 100km.

(2) The load Limit is the maximum load that may be applied to a bearing/shaft.

It is important to analyse the application so that peak and/or shock do not exceed the Load Limit.

(3) The load capacities W_r and W_o are valid for a resultant load applied at 90° with the ball tracks orientated as shown in the polar graphs below.

If the resultant acts along another direction, the appropriate multiplicative correction factor K_α , should be applied to W_r and W_o respectively.

Open type bearings have reduced load capacities when used in pull-off situations.

(4) Internal bearing diameter is affected by the housing bore.

(5) Hole for anti-rotation pin is below centreline.

+44 (0)1246 455500

+44 (0)1246 455522

ondrives

sales@ondrives.com

www.ondrives.com

Product information updated 1st April 2011 and subject to change. Please contact Sales for the latest prices and availability.