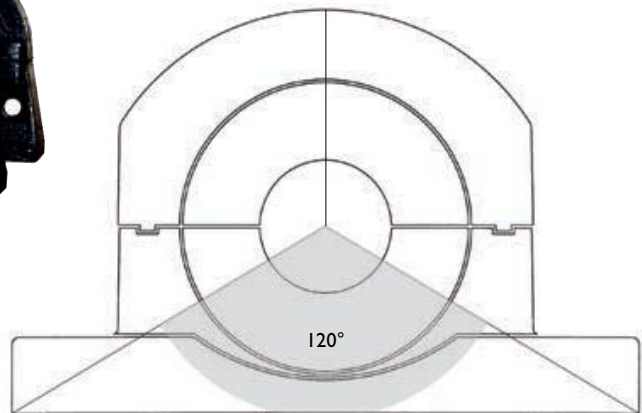
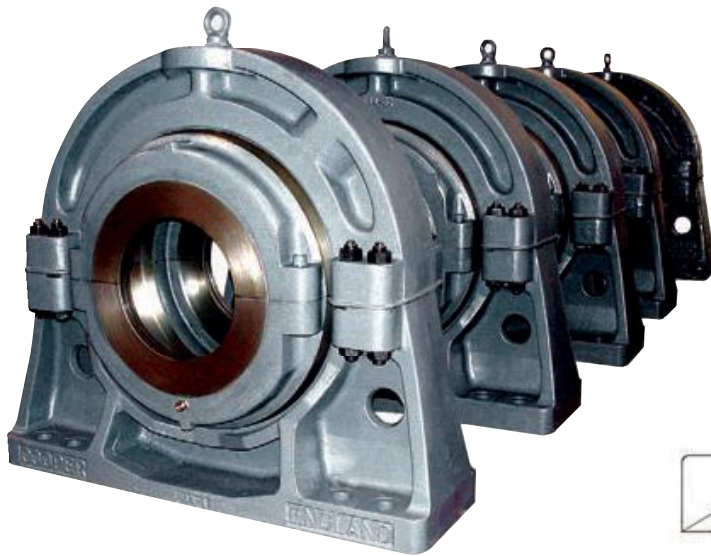




PEDESTALS

Pedestals (also known as Pillow Blocks) are the most common method of mounting Cooper split roller bearings (in cartridges as explained above).

Cooper standard pedestals are shown on the following pages. Pedestals with height-to-centre and bolt hole configurations to match industry standard SN, SD and SAF pillow blocks are listed separately in this catalogue.

Pedestals are common between expansion (EX) and fixed (GR) units.

LOADS AND MOUNTING

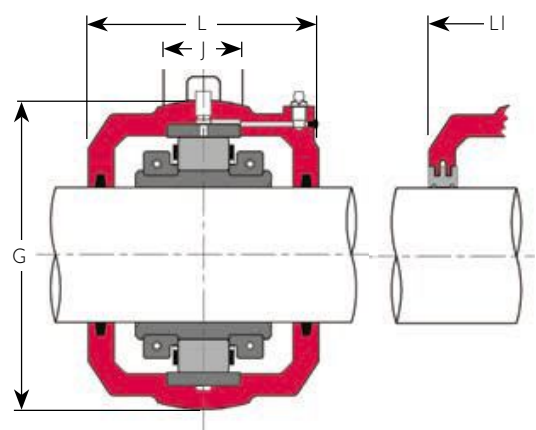
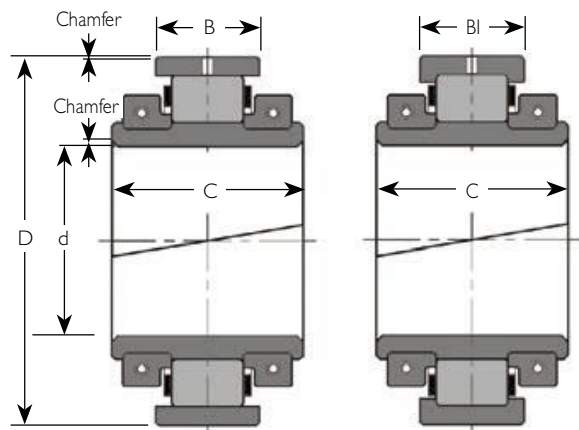
The maximum safe radial load for a pedestal is based on the static rating (C_{or}) of the corresponding size of roller bearing. The full static rating can be applied if the angle of the load falls within the shaded area of the sketch, except for the SNC 500 range for which the maximum load is reduced to 50% C_{or} .

If the radial load falls outside the shaded area, if the radial load exceeds C_{or} , or if the axial loads exceed 50% of the axial rating (C_a) of the corresponding roller bearing please consult our technical department. For I00 Series bearings, the maximum axial load is reduced to 35% C_a and for 01E and 02E series to 26% C_a due to their higher axial load ratings.

Pedestals should be fully supported on a flat, rigid surface to avoid distortion of the pedestal or deflection under load. The flatness of the supporting surface should be to tolerance IT7 according to ISO 1101 and the surface roughness not more than 12.5µm Ra.

For loads within 45° of horizontal, the base should be chocked or dowelled.

Standard Cooper pedestals are manufactured from grade EN-GJL-250 grey iron to BS EN 1561 : 1997. Ductile iron and steel pedestals are also available and should be considered for shock or pulsating loads. Particulars of pedestals in alternative materials are available from our technical department.



BEARING DATA

Group Reference	Shaft Diameter d	Reference (I)	D (mm)	C (mm)	B/ BI (mm)	Axial Float (2) (mm)	Mass (kg)
01 108	1 3/16"	01 B 103	84.14	50.1	23.8	3.5	1.2
	1 1/4"	01 B 104					
	1 7/16"	01 B 107					
	1 1/2"	01 B 108					
01E 200	1 11/16"	01E B 111	98.42	55.7	25.4	4	1.5
	1 3/4"	01E B 112					
	1 15/16"	01E B 115					
	2"	01E B 200					
01E 208	2 3/16"	01E B 203	114.30	55.7	27.0	4.5	1.8
	2 1/4"	01E B 204					
	2 7/16"	01E B 207					
	2 1/2"	01E B 208					
01E 300	2 11/16"	01E B 211	133.35	61.2	31.8	5	2.5
	2 3/4"	01E B 212					
	2 15/16"	01E B 215					
	3"	01E B 300					
01E 308	3 3/16"	01E B 303	152.40	70.7	38.9	6	4.0
	3 1/4"	01E B 304					
	3 7/16"	01E B 307					
	3 1/2"	01E B 308					
01E 400	3 11/16"	01E B 311	174.62	81.0	45.3	7	6.0
	3 3/4"	01E B 312					
	3 15/16"	01E B 315					
	4"	01E B 400					
01 408	4 3/16"	01 B 403	203.20	84.9	46.9	7	10.2
	4 7/16"	01 B 407					
	4 1/2"	01 B 408					
01 500	4 15/16"	01 B 415	222.25	89.7	54.0	7	12.8
	5"	01 B 500					
01 508	5 3/16"	01 B 503	241.30	98.4	55.6	8	15.0
	5 7/16"	01 B 507					
	5 1/2"	01 B 508					
01 600	5 15/16"	01 B 515	254.00	98.4	55.6	8	16.6
	6"	01 B 600-160M					

CARTRIDGE DATA

Cartridge References (I) for felt seals	Cartridge References (I) for ATL seals	G (mm)	J (mm)	L/ LI (mm)	Mass (kg)
01 C 103 01 C 104 01 C 107 01 C 108	01 C 01	100.00	25	86 86	2
01 C 111 01 C 112 01 C 115 01 C 200	01 C 02	117.48	25	98 98	2.5
01 C 203 01 C 204 01 C 207 01 C 208	01 C 03	134.94	32	104 104	3.2
01 C 211 01 C 212 01 C 215 01 C 300	01 C 04	157.16	38	114 114	5.5
01 C 303 01 C 304 01 C 307 01 C 308	01 C 05	177.80	50	136 136	7
01 C 311 01 C 312 01 C 315 01 C 400	01 C 06	203.20	50	134 134	8
01 C 403 01 C 407 01 C 408	01 C 07	231.78	64	142 142	11.9
01 C 415 01 C 500	01 C 08	266.70	76	156 156	19.5
01 C 503 01 C 507 01 C 508	01 C 09	279.40	76	168 168	20.8
01 C 515 01 C 600-160M* 01 C 600	01 C 10*	295.28	82	174	24.4

1) Add 'EX' or 'GR' to reference for expansion or fixed type respectively, e.g. Bearing: 01 B 35M EX or 01 B 103 EX
Cartridge: 01 C 35M EX or 01 C 01 EX

2) Total movement tabulated. Maximum offset from centreline half this amount