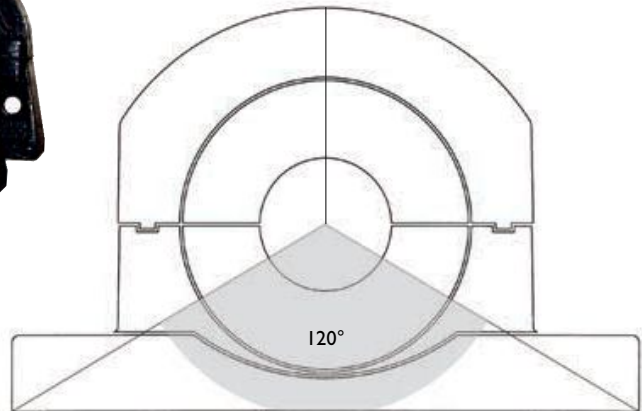
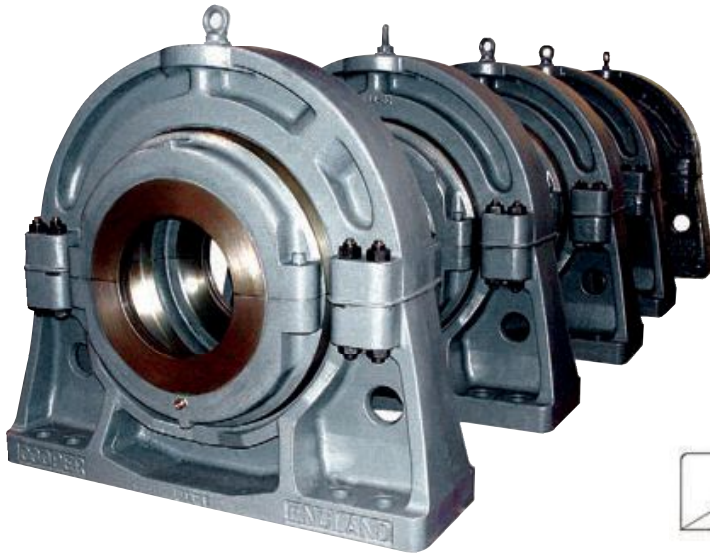




PEDESTALS

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

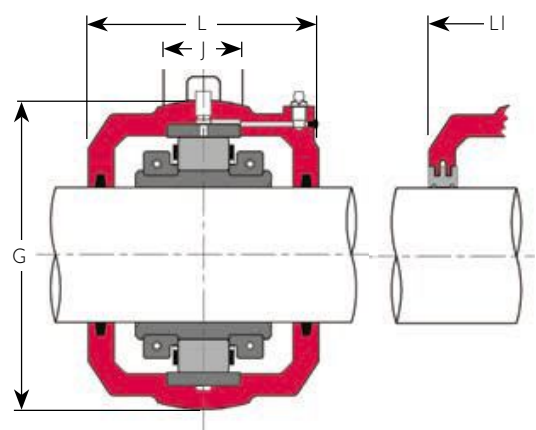
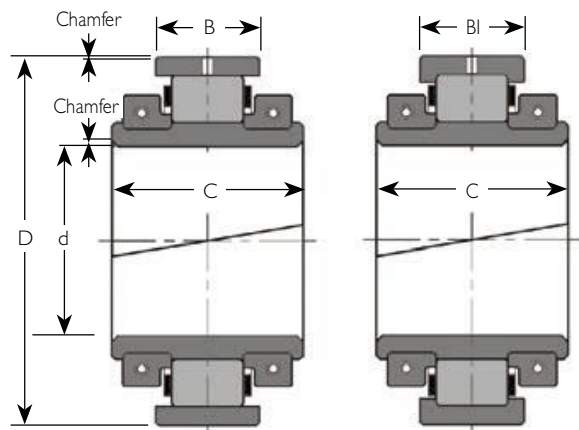
The maximum safe radial load for a pedestal is based on the static rating (C_{or}) of the corresponding size of roller bearing. The full static rating can be applied if the angle of the load falls within the shaded area of the sketch, except for the SNC 500 range for which the maximum load is reduced 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	35	01 B 35M	84.14	50.1	23.8	3.5	1.2
	40	01 B 40M					
	45	01 B 45M					
	50	01 B 50M					
01E 200	1 1/16"	01EB 111	98.42	55.7	25.4	4	1.5
	1 3/4"	01EB 112					
	1 5/16"	01EB 115					
	2"	01EB 200					
01E 208	55	01EB 55M	114.30	55.7	27.0	4.5	1.8
	60	01EB 60M					
	65	01EB 65M					
	70	01EB 70M					
01E 300	2 1/16"	01EB 211	133.35	61.2	31.8	5	2.5
	2 3/4"	01EB 212					
	2 15/16"	01EB 215					
	3"	01EB 300					
01E 308	80	01EB 80M	152.40	70.7	38.9	6	4.0
	85	01EB 85M					
	90	01EB 90M					
	95	01EB 95M					
01E 400	100	01EB 100M	174.62	81.0	45.3	7	6.0
	105	01EB 105M					
	110	01EB 110M					
	115	01EB 115M					
01 408	120	01 B 120M	203.20	84.9	46.9	7	10.2
	125	01 B 125M					
	130	01 B 130M					
	135	01 B 135M					
01 500	140	01 B 140M	241.30	98.4	55.6	8	15.0
	145	01 B 145M					
	150	01 B 150M					
	155	01 B 155M					
01 508	160	01 B 160M	254.00	98.4	55.6	8	16.6
	165	01 B 165M					
	170	01 B 170M					
	175	01 B 175M					

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 01	100.00	25	86	2
01 C 104	01 C 02	117.48	25	98	2.5
01 C 107	01 C 03	134.94	32	104	3.2
01 C 108	01 C 04	157.16	38	114	5.5
01 C 111	01 C 05	177.80	50	136	7
01 C 112	01 C 06	203.20	50	134	8
01 C 115	01 C 07	231.78	64	142	11.9
01 C 200	01 C 08	266.70	76	156	19.5
01 C 203	01 C 09	279.40	76	168	20.8
01 C 204	01 C 10*	295.28	82	174	24.4
01 C 207					
01 C 208					
01 C 211					
01 C 212					
01 C 215					
01 C 300					
01 C 303					
01 C 304					
01 C 307					
01 C 308					
01 C 311					
01 C 312					
01 C 315					
01 C 400					
01 C 403					
01 C 407					
01 C 408					
01 C 415					
01 C 500					
01 C 503					
01 C 507					
01 C 508					
01 C 515					
01 C 600					

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