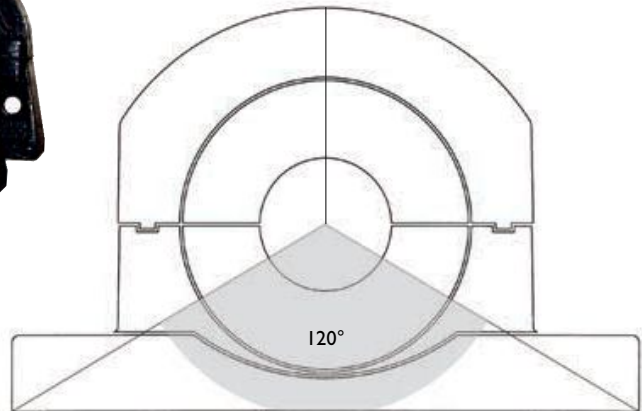
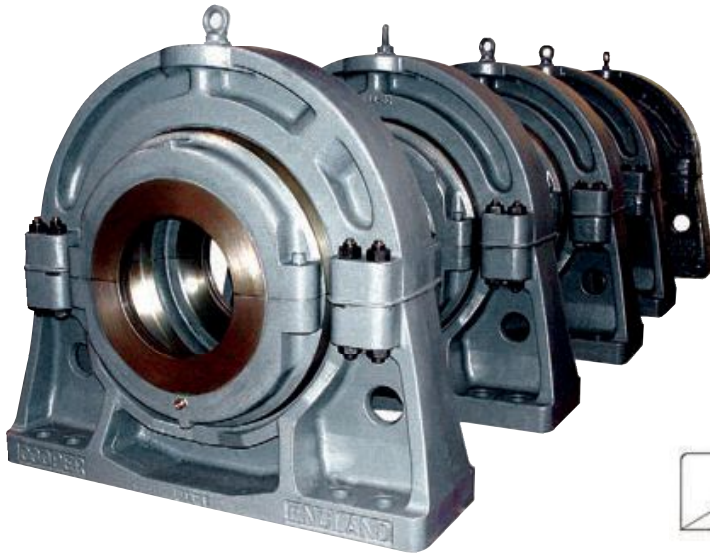




PEDESTALS

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

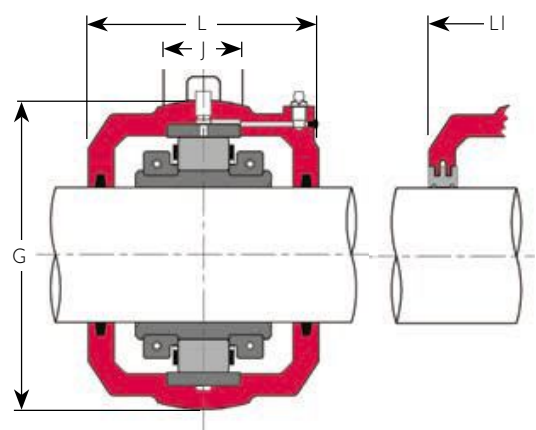
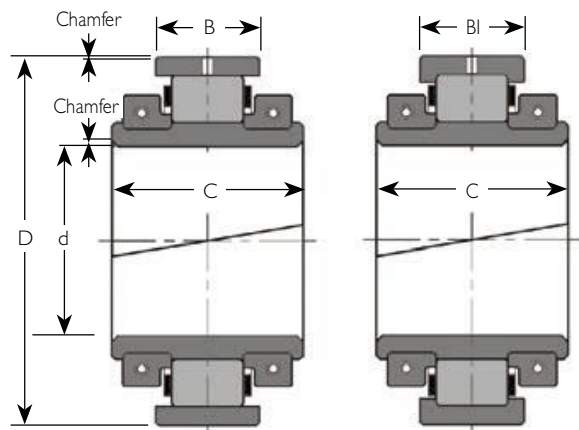
The maximum safe radial load for a pedestal is based on the static rating (C_{or}) of the corresponding size of roller bearing. The full static rating can be applied if the angle of the load falls within the shaded area of the sketch, except for the SNC 500 range for which the maximum load is reduced 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					
	1 3/16"	01 B 103					
	1 1/4"	01 B 104					
01E 200	45	01EB 45M	98.42	55.7	25.4	4	1.5
	50	01EB 50M					
	1 11/16"	01EB 111					
	1 3/4"	01EB 112					
01E 208	55	01EB 55M	114.30	55.7	27.0	4.5	1.8
	60	01EB 60M					
	2 3/16"	01EB 203					
	2 1/4"	01EB 204					
01E 300	70	01EB 70M	133.35	61.2	31.8	5	2.5
	75	01EB 75M					
	2 15/16"	01EB 211					
	3"	01EB 212					
01E 308	80	01EB 80M	152.40	70.7	38.9	6	4.0
	85	01EB 85M					
	3 3/16"	01EB 303					
	3 1/4"	01EB 304					
01E 400	95	01EB 95M	174.62	81.0	45.3	7	6.0
	100	01EB 100M					
	3 15/16"	01EB 311					
	4"	01EB 312					
01 408	110	01 B 110M	203.20	84.9	46.9	7	10.2
	115	01 B 115M					
	4 3/16"	01 B 403					
	4 7/16"	01 B 407					
01 500	120	01 B 120M	222.25	89.7	54.0	7	12.8
	125	01 B 125M					
	5"	01 B 503					
	130	01 B 507					
01 508	135	01 B 135M	241.30	98.4	55.6	8	15.0
	140	01 B 140M					
	5 3/16"	01 B 503					
	5 7/16"	01 B 507					
01 600	150	01 B 150M	254.00	98.4	55.6	8	16.6
	160	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 35M	01 C 103	100.00	25	86	2
01 C 40M	01 C 104				
	01 C 107				
	01 C 108				
01 C 45M	01 C 111	117.48	25	98	2.5
01 C 50M	01 C 112				
	01 C 115				
	01 C 200				
01 C 55M	01 C 203	134.94	32	104	3.2
01 C 60M	01 C 204				
01 C 65M	01 C 207				
	01 C 208				
01 C 70M	01 C 211	157.16	38	114	5.5
01 C 75M	01 C 212				
	01 C 215				
	01 C 300				
01 C 80M	01 C 303	177.80	50	136	7
01 C 85M	01 C 304				
01 C 90M	01 C 307				
	01 C 308				
01 C 95M	01 C 311	203.20	50	134	8
01 C 100M	01 C 312				
01 C 105M	01 C 315				
	01 C 400				
01 C 110M	01 C 403	231.78	64	142	11.9
01 C 115M	01 C 407				
	01 C 408				
01 C 120M	01 C 415	266.70	76	156	19.5
01 C 125M	01 C 500				
01 C 130M					
01 C 135M	01 C 503	279.40	76	168	20.8
01 C 140M	01 C 507				
	01 C 508				
01 C 150M	01 C 515	295.28	82	174	24.4
01 C 600-160M*	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