

# Plain Bearings

Either the lubrication characteristics of the materials themselves, or additional specialised sliding materials, minimise friction between the moving surfaces inside the bearing. Unlike rolling bearings, the load on a Plain Bearing is distributed over a large contact area resulting in low specific load and good sliding properties - making them the ideal solution for high load – slow speed applications.

## Features & Benefits of Plain Bearings Include:

Large load carrying surface area

High load carrying capacity

## Applications where Plain Bearings are used

The characteristics of Plain Bearings make them suitable for a wide variety of industrial machinery, such as, construction and agricultural equipment, as well as, fork lift trucks and industrial robots.

Industrial Bearings Solutions supplies all types of Plain Bearings and holds a broad range of Spherical Plain Bearings and Rod Ends in stock.

## Spherical Plain Bearing Related Models:

Dimensions				Angle	Dynamic	Static	Mass(kg)	Designations
d(mm)	D(mm)	B(mm)	C(mm)	a	C(kn)	C0(kn)	)	
4	12	5	3	16	2,16	5,4	0,003	GE 4 C
6	14	6	4	13	3,6	9	0,004	GE 6 C
8	16	8	5	15	5,85	14,6	0,008	GE 8 C
10	19	9	6	12	8,65	21,6	0,012	GE 10 C
10	22	12	7	18	11,4	28,5	0,020	GEH 10 C
12	22	10	7	10	11,4	28,5	0,017	GE 12 C
12	26	15	9	18	18	45	0,030	GEH 12 C
15	26	12	9	8	18	45	0,032	GE 15 C
15	30	16	10	16	22,4	56	0,050	GEH 15 C
17	30	14	10	10	22,4	56	0,050	GE 17 C
17	35	20	12	19	31,5	78	0,090	GEH 17 C
20	35	16	12	9	31,5	78	0,065	GE 20 C
20	42	25	16	17	51	127	0,16	GEH 20 C

25	42	20	16	7	51	127	0,12	GE 25 C
25	47	28	18	17	65,5	166	0,20	GEH 25 C
30	47	22	18	6	65,5	166	0,16	GE 30 C
35	55	25	20	6	80	200	0,23	GE 35 CJ2
40	62	28	22	7	100	250	0,32	GE 40 CJ2
45	68	32	25	7	127	320	0,46	GE 45 CJ2
50	75	35	28	6	156	390	0,56	GE 50 CJ2
60	90	44	36	6	245	610	1,10	GE 60 CJ2