



Bearings & Components

# Metric Plastic Bearings

Semi-precision plastic bearings for radial loads and moderate thrust loads in both directions.

These bearings have acetal rings and nylon cages. For greater chemical resistance or high temperatures, many sizes can be supplied in PTFE or PEEK.



Plastic bearings are only suitable for low loads and low speeds.

Normal inner and outer ring tolerances on these bearings are +/- 0.1mm.

For chemical compatibility and temperature limits, please refer to Engineering Data.

## ACETAL RESIN

Dimensions in mm

Bore	O.D.	Width	316 Stainless balls	Glass balls	Max Load (kgf)		Rpm (x1000)
			Reference	Reference	Dyn	Stat	
3	8	3	693 POM/INOX	693 POM/GLASS	3	2	3.0
	9	3	603 POM/INOX	603 POM/GLASS	4	3	3.0
	10	4	623 POM/INOX	623 POM/GLASS	7	5	3.0
	13	5	633 POM/INOX	633 POM/GLASS	9	7	3.0
4	9	2.5	684 POM/INOX	684 POM/GLASS	4	3	3.0
	11	4	694 POM/INOX	694 POM/GLASS	6	4	3.0
	12	4	604 POM/INOX	604 POM/GLASS	6	4	3.0
	13	5	624 POM/INOX	624 POM/GLASS	7	5	3.0
	16	5	634 POM/INOX	634 POM/GLASS	10	7	3.0
5	11	3.5	685 POM/INOX	685 POM/GLASS	5	3	3.0
	13	4	695 POM/INOX	695 POM/GLASS	7	5	3.0
	14	5	605 POM/INOX	605 POM/GLASS	7	5	3.0
	16	5	625 POM/INOX	625 POM/GLASS	9	7	2.6
	19	6	635 POM/INOX	635 POM/GLASS	12	9	2.6
6	13	3.5	686 POM/INOX	686 POM/GLASS	7	5	2.6
	15	5	696 POM/INOX	696 POM/GLASS	8	6	2.6
	17	6	606 POM/INOX	606 POM/GLASS	9	7	2.6
	19	6	626 POM/INOX	626 POM/GLASS	9	7	2.6
	22	7	636 POM/INOX	636 POM/GLASS	13	10	2.6
7	14	3.5	687 POM/INOX	687 POM/GLASS	7	5	2.6
	17	5	697 POM/INOX	697 POM/GLASS	8	6	2.6
	19	6	607 POM/INOX	607 POM/GLASS	9	7	2.6
	22	7	627 POM/INOX	627 POM/GLASS	12	9	2.4
	26	9	637 POM/INOX	637 POM/GLASS	14	11	2.4

Bore	O.D.	Width	316 Stainless Balls	Glass Balls	Max Load (kgf)		Rpm (x1000)
			Reference	Reference	Dyn	Stat	
8	16	4	688 POM/INOX	688 POM/GLASS	7	5	2.6
	19	6	698 POM/INOX	698 POM/GLASS	8	6	2.6
	22	7	608 POM/INOX	608 POM/GLASS	12	9	2.6
	24	8	628 POM/INOX	628 POM/GLASS	12	9	2.4
	28	9	638 POM/INOX	638 POM/GLASS	15	12	2.4
9	17	4	689 POM/INOX	689 POM/GLASS	7	5	2.6
	20	6	699 POM/INOX	699 POM/GLASS	8	6	2.6
	24	7	609 POM/INOX	609 POM/GLASS	12	9	2.6
	26	8	629 POM/INOX	629 POM/GLASS	14	11	2.4
	30	10	639 POM/INOX	639 POM/GLASS	15	12	2.4
10	19	5	6800 POM/INOX	6800 POM/GLASS	10	8	2.0
	22	6	6900 POM/INOX	6900 POM/GLASS	11	9	2.0
	26	8	6000 POM/INOX	6000 POM/GLASS	14	11	2.0
	30	9	6200 POM/INOX	6200 POM/GLASS	16	13	1.9
	35	11	6300 POM/INOX	6300 POM/GLASS	19	16	1.6
12	21	5	6801 POM/INOX	6801 POM/GLASS	11	8	1.8
	24	6	6901 POM/INOX	6901 POM/GLASS	12	10	1.8
	28	7	16001 POM/INOX	16001 POM/GLASS	16	13	1.8
	28	8	6001 POM/INOX	6001 POM/GLASS	16	13	1.8
	32	10	6201 POM/INOX	6201 POM/GLASS	20	16	1.7
	37	12	6301 POM/INOX	6301 POM/GLASS	23	19	1.5
15	24	5	6802 POM/INOX	6802 POM/GLASS	12	9	1.6
	28	7	6902 POM/INOX	6902 POM/GLASS	14	11	1.6
	32	8	16002 POM/INOX	16002 POM/GLASS	18	15	1.6
	32	9	6002 POM/INOX	6002 POM/GLASS	18	15	1.6
	35	11	6202 POM/INOX	6202 POM/GLASS	23	19	1.5
	42	13	6302 POM/INOX	6302 POM/GLASS	29	24	1.4
17	26	5	6803 POM/INOX	6803 POM/GLASS	14	11	1.5
	30	7	6903 POM/INOX	6903 POM/GLASS	15	12	1.5
	35	8	16003 POM/INOX	16003 POM/GLASS	20	16	1.5
	35	10	6003 POM/INOX	6003 POM/GLASS	20	16	1.5
	40	12	6203 POM/INOX	6203 POM/GLASS	24	19	1.4
	47	14	6303 POM/INOX	6303 POM/GLASS	34	27	1.3

Bore	O.D.	Width	316 Stainless Balls	Glass Balls	Max Load (kgf)		Rpm (x1000)
			Reference	Reference	Dyn	Stat	
20	32	7	6804 POM/INOX	6804 POM/GLASS	16	13	1.2
	37	9	6904 POM/INOX	6904 POM/GLASS	18	14	1.2
	42	8	16004 POM/INOX	16004 POM/GLASS	24	19	1.2
	42	12	6004 POM/INOX	6004 POM/GLASS	24	19	1.2
	47	14	6204 POM/INOX	6204 POM/GLASS	32	26	1.1
	52	15	6304 POM/INOX	6304 POM/GLASS	38	29	1
25	37	7	6805 POM/INOX	6805 POM/GLASS	18	15	1.2
	42	9	6905 POM/INOX	6905 POM/GLASS	20	16	1.2
	47	8	16005 POM/INOX	16005 POM/GLASS	29	22	1.2
	47	12	6005 POM/INOX	6005 POM/GLASS	29	22	1.2
	52	15	6205 POM/INOX	6205 POM/GLASS	37	29	1.1
	62	17	6305 POM/INOX	6305 POM/GLASS	43	33	1
30	42	7	6806 POM/INOX	6806 POM/GLASS	21	17	1.2
	47	9	6906 POM/INOX	6906 POM/GLASS	23	19	1.2
	55	9	16006 POM/INOX	16006 POM/GLASS	31	26	1.2
	55	13	6006 POM/INOX	6006 POM/GLASS	31	26	1.2
	62	16	6206 POM/INOX	6206 POM/GLASS	39	33	1.1
	72	19	6306 POM/INOX	6306 POM/GLASS	46	35	1.0
35	47	7	6807 POM/INOX	6807 POM/GLASS	24	20	1.1
	55	10	6907 POM/INOX	6907 POM/GLASS	26	22	1.1
	62	14	6007 POM/INOX	6007 POM/GLASS	37	30	1.0
	72	17	6207 POM/INOX	6207 POM/GLASS	43	36	1.0
40	52	7	6808 POM/INOX	6808 POM/GLASS	27	22	1.1
	62	12	6908 POM/INOX	6908 POM/GLASS	29	25	1.1
	68	15	6008 POM/INOX	6008 POM/GLASS	40	33	1.0
	80	18	6208 POM/INOX	6208 POM/GLASS	47	40	1.0
45	58	7	6809 POM/INOX	6809 POM/GLASS	29	34	1.0
	68	12	6909 POM/INOX	6909 POM/GLASS	35	41	1.0
	75	16	6009 POM/INOX	6009/POM/GLASS	42	49	0.9
	85	19	6209 POM/INOX	6209 POM/GLASS	51	59	0.9
50	65	7	6810 POM/INOX	6810 POM/GLASS	31	36	0.9
	72	12	6910 POM/INOX	6910 POM/GLASS	38	44	0.9
	80	16	6010 POM/INOX	6010 POM/GLASS	45	52	0.8
	90	20	6210 POM/INOX	6210 POM/GLASS	55	64	0.8