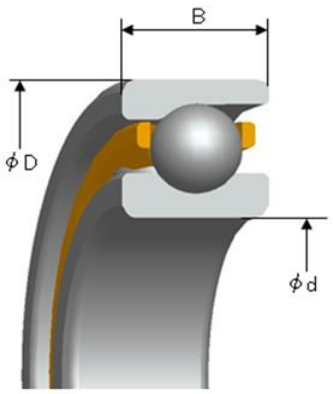
Bearing specifications



Nominal number structure

(Example) **H1- P C 70 06 C G S PG 4S**

NRRO symbols

Bearing type symbols
PRECILENCE

Ball type symbols
C ··· Material : Ceramic,High-speed, high-load design
D ··· Material : SUJ2,High-speed, high-load design
M ··· Material : Ceramic,High-speed, high-rigidity design
H ··· Material : SUJ2,High-speed, high-rigidity design

Dimension series symbols
70 ··· single-row angular contact ball bearing of dimension 10
79 ··· single-row angular contact ball bearing of dimension 19

Bore diameter number
6 nominal bore diameter : 30mm
(bore diameter number× 5 eguals nominal bore diameter.)

Contact angle symbols
C ··· nominal contact angle 15°
CA ··· nominal contact angle 20°

Matched pair or stack symbols
G ··· Type G bearing (flush-ground bearing)

Preload symbol
S ··· slight preload

Cage symbols
PG ··· PEEK resin cage

Tolerance class symbols
P2 ··· JIS class 2
4S ··· DIN class 4

Inner ring & Outer ring				SUJ 2				Remarks
	d	D	B	C	C0	Speed		
	Bore	O.D.	Width	Dynamic	Static	Grease	Oil	
	Φ mm	Φ mm	mm	kN	kN	min^{-1}	min^{-1}	
7005	25	47	12	14.7	6.35	66,000	100,000	High-speed, high-load design
7006	30	55	13	15.4	7.15	56,000	84,000	High-speed, high-load design
7007	35	62	14	19.5	9.55	49,000	73,000	High-speed, high-load design
7008	40	68	15	21.1	11.1	44,000	65,000	High-speed, high-load design
7009	45	75	16	28.3	14.8	39,000	58,000	High-speed, high-load design
7010	50	80	16	29.3	16.0	37,000	53,000	High-speed, high-load design
7011	55	90	18	35.0	20.0	31,000	48,000	High-speed, high-load design
7012	60	95	18	36.1	21.4	29,000	45,000	High-speed, high-load design
7013	65	100	18	41.3	24.7	27,000	42,000	High-speed, high-load design
7014	70	110	20	50.9	30.3	25,000	39,000	High-speed, high-load design High-speed, high-rigidity design
7015	75	115	20	52.5	32.4	23,000	36,000	High-speed, high-load design
7016	80	125	22	60.5	38.6	21,000	34,000	High-speed, high-rigidity design
7017	85	130	22	62.1	40.9	20,000	32,000	High-speed, high-rigidity design
7018	90	140	24	73.8	48.2	19,000	30,000	High-speed, high-load design
7019	95	145	24	75.9	51.0	18,000	28,000	-
7020	100	150	24	77.9	53.9	17,000	27,000	High-speed, high-load design
7905	25	42	9	8.1	3.8	69,000	103,000	High-speed, small-space design
7906	30	47	9	8.6	4.4	61,000	92,000	High-speed, small-space design
7907	35	55	10	12.9	6.8	50,000	77,000	High-speed, small-space design
7908	40	62	12	16.2	8.65	46,000	67,000	High-speed, small-space design
7909	45	68	12	17.2	9.80	40,000	61,000	High-speed, small-space design
7910	50	72	12	18.1	10.9	37,000	55,000	High-speed, small-space design

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Reference interference

T:tight

Shaft diameter(mm)		Interference	
≧	<	Min	Max
18	30	1T(10T)	3T(14T)
30	50	1T(10T)	3T(15T)
50	80	1T(10T)	4T(15T)
80	120	1T(10T)	5T(15T)

(High speed application)

L:loose

Housing diameter (mm)		Interference (Free side)		Interference (Fixed side)	
≧	<	Min	Max	Min	Max
30	50	6L	10L	2L	5L
50	80	6L	12L	2L	6L
80	120	8L	13L	2L	7L
120	180	11L	11L	2L	8L