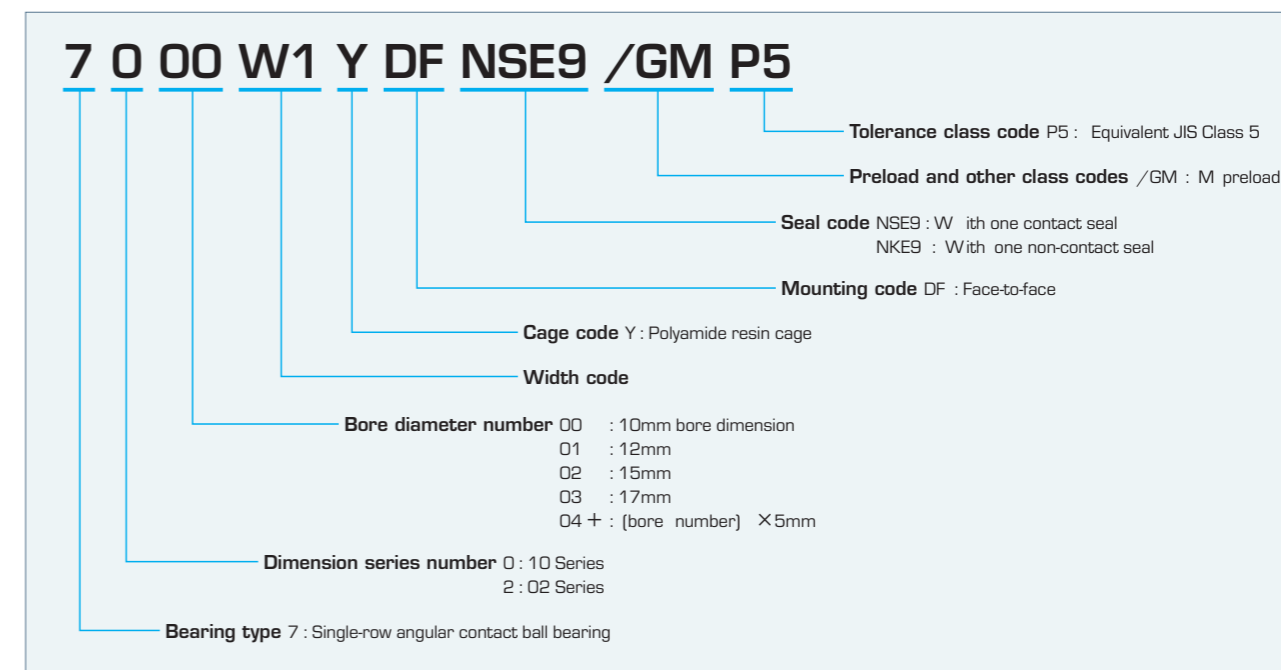


Ball Screw Support Bearings

W1 Series



Nomenclature of Bearing Numbers



Features

- NACHI's proprietary seals, which are proven in deep-groove ball bearings, are used to retain injected grease for greater sealing and to prevent contamination by foreign matter.
- Superior low-start-up torque and low-rotational torque can be used for low-energy applications.
- Combination bearings are provided with preset preloads, eliminating the need for troublesome installation adjustment using shims and torque measurements.
- Polyamide resin cage and high-performance grease produce low-noise design based on standard A-type angular contact ball bearings.

Contact Angle

- The contact angle is 30°.

Dimensions

- Wider than A-type angular contact ball bearings.

Cage

- A ball guide polyamide resin cage is provided as standard. The polyamide resin cage should be used under temperatures lower than 120°.

Dimensional Accuracy, Rotational Accuracy

- Equivalent JIS Class 5 is standard. See page 10 for details.

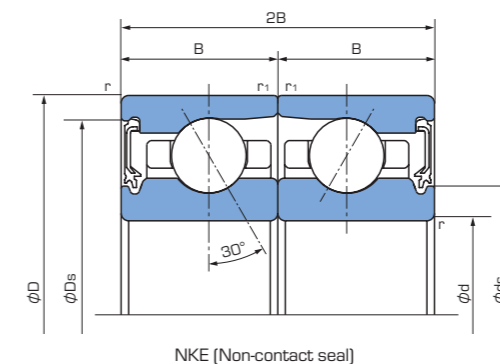
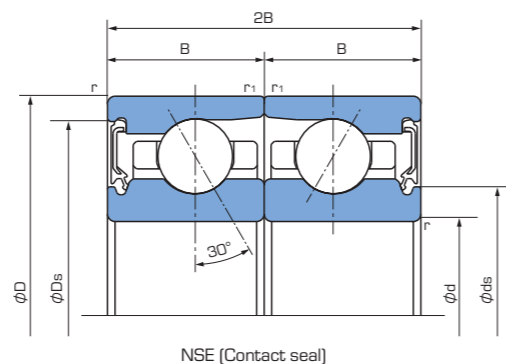
Preload

- M preload as standard. See page 25 for details.

Dimension Tables
 Types and Designs
 7900/7000/7200
 BNH
 TAB/TBH
 NN3000/NNU4900
 XRN/XRG
 TAB/T AU/T AF-X/XY51/W1

Ball Screw Support Bearings

W1 Series



Bearing No.		Boundary dimensions (mm)					Basic dynamic load rating C_a (kN)	Basic static load rating C_a (kN)	Limiting speed (min ⁻¹)		Reference dimensions (mm)		Mass (kg) (Reference)	Bearing No.	
		d	D	2B	r _{min}	r _{1 min}			NSE	NKE	D _s	d _s			
7000W1YDFNSE9	7000W1YDFNKE9	10	26	18	0.3	0.15	7.80	4.65	20,000	30,000	22.6	14.0	0.022	7000W1YDFNSE9	7000W1YDFNKE9
7001W1YDFNSE9	7001W1YDFNKE9	12	28	18	0.3	0.15	8.40	5.40	17,000	27,000	25.3	16.5	0.024	7001W1YDFNSE9	7001W1YDFNKE9
7002W1YDFNSE9	7002W1YDFNKE9	15	32	21	0.3	0.15	9.35	6.80	14,000	23,000	28.5	19.3	0.035	7002W1YDFNSE9	7002W1YDFNKE9
7003W1YDFNSE9	7003W1YDFNKE9	17	35	23	0.3	0.15	9.75	7.60	13,000	20,000	30.8	21.5	0.045	7003W1YDFNSE9	7003W1YDFNKE9
7004W1YDFNSE9	7004W1YDFNKE9	20	42	27	0.6	0.30	15.9	12.1	11,000	17,000	37.3	25.4	0.079	7004W1YDFNSE9	7004W1YDFNKE9
7005W1YDFNSE9	7005W1YDFNKE9	25	47	27	0.6	0.30	17.3	14.9	9,000	15,000	42.3	30.5	0.091	7005W1YDFNSE9	7005W1YDFNKE9
7200W1YDFNSE9	7200W1YDFNKE9	10	30	21	0.6	0.30	10.4	6.25	17,000	24,000	25.3	16.5	0.034	7200W1YDFNSE9	7200W1YDFNKE9
7201W1YDFNSE9	7201W1YDFNKE9	12	32	23	0.6	0.30	11.7	7.30	16,000	22,000	27.8	17.4	0.040	7201W1YDFNSE9	7201W1YDFNKE9
7202W1YDFNSE9	7202W1YDFNKE9	15	35	25	0.6	0.30	12.5	8.60	14,000	23,000	31.0	20.5	0.048	7202W1YDFNSE9	7202W1YDFNKE9
7203W1YDFNSE9	7203W1YDFNKE9	17	40	27	0.6	0.30	15.8	11.0	13,000	20,000	35.3	23.4	0.070	7203W1YDFNSE9	7203W1YDFNKE9
7204W1YDFNSE9	7204W1YDFNKE9	20	47	32	1.0	0.60	21.1	15.3	10,000	14,000	41.5	27.5	0.110	7204W1YDFNSE9	7204W1YDFNKE9
7205W1YDFNSE9	7205W1YDFNKE9	25	52	34	1.0	0.60	23.6	18.9	8,500	12,000	46.5	32.6	0.135	7205W1YDFNSE9	7205W1YDFNKE9