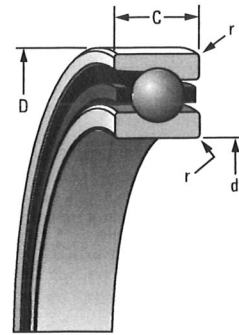


SUPER PRECISION

EXTRA-LIGHT ISO 10 SERIES 2(3)MM9100WI (7000C(E)-...-P4S)

SUPER PRECISION MM

Running accuracy and performance meet ABEC 9 (ISO P2) levels.
Other features conform to ABEC 7 (ISO P4) requirements.



Bearing Number 15° C/2 ⁽³⁾ or 25° E/3 ⁽⁴⁾	d Bore	D O.D.	C Width ⁽¹⁾	Ball Qty. x Dia.	Bearing Wt.	15° (C/2) LOAD RATINGS						25° (E/3) LOAD RATINGS					
						Steel Ball			Ceramic Ball			Steel Ball			Ceramic Ball		
						C ₀ Static	C _e Dynamic	Speed Rating ^(N_g)	C ₀ Static	C _e Dynamic	Speed Rating ^(N_g)	C ₀ Static	C _e Dynamic	Speed Rating ^(N_g)	C ₀ Static	C _e Dynamic	Speed Rating ^(N_g)
						N/lbs.	RPM	N/lbs.	RPM	N/lbs.	RPM	N/lbs.	RPM	N/lbs.	RPM		
9100WI	10	26	8	8 x 4.8	0.018	2200	5400	68500	1958	5400	82200	2100	5300	61700	1869	5300	74040
7000	0.3937	1.0236	0.3150	8 x 3/16	0.04	490	1210	68500	436	1210	82200	480	1190	61700	427	1190	74040
9101WI	12	28	8	10 x 4.8	0.020	2900	6400	57300	2581	6400	68760	2800	6200	51600	2492	6200	61920
7001	0.4724	1.1024	0.3150	10 x 3/16	0.04	650	1430	57300	579	1430	68760	630	1390	51600	561	1390	61920
9102WI	15	32	9	12 x 4.8	0.030	3600	7300	48600	3204	7300	58320	3530	7020	43700	3142	7020	52440
7002	0.5906	1.2598	0.3543	12 x 3/16	0.07	820	1630	48600	730	1630	58320	790	1580	43700	703	1580	52440
9103WI	17	35	10	11 x 4.8	0.038	3400	6800	43100	3026	6800	51720	3300	6600	38800	2937	6600	46560
7003	0.6693	1.3780	0.3937	11 x 3/16	0.08	770	1530	43100	685	1530	51720	750	1480	38800	668	1480	46560
9104WI	20	42	12	11 x 6.4	0.067	6000	11600	37100	5340	11600	44520	5700	11100	33400	5073	11100	40080
7004	0.7874	1.6535	0.4724	11 x 1/4	0.15	1350	2600	37100	1202	2600	44520	1290	2500	33400	1148	2500	40080
9105WI	25	47	12	13 x 6.4	0.077	7400	12900	30900	6586	12900	37080	7100	12300	27800	6319	12300	33360
7005	0.9843	1.8504	0.4724	13 x 1/4	0.17	1660	2900	30900	1477	2900	37080	1590	2770	27800	1415	2770	33360
9106WI	30	55	13	14 x 7.1	0.113	10300	16800	25500	9167	16800	30600	9900	16000	23000	8811	16000	27600
7006	1.1811	2.1654	0.5118	14 x 9/32	0.25	2310	3770	25500	2056	3770	30600	2200	3600	23000	1958	3600	27600
9107WI	35	62	14	15 x 7.9	0.151	13700	21200	22600	12193	21200	27120	13000	20200	20300	11570	20200	24360
7007	1.3780	2.4409	0.5512	15 x 5/16	0.33	3070	4760	22600	2732	4760	27120	2930	4540	20300	2608	4540	24360
9108WI	40	68	15	16 x 7.9	0.187	14900	21900	19900	13261	21900	23880	14200	20800	17900	12638	20800	21480
7008	1.5748	2.6772	0.5906	16 x 5/16	0.41	3360	4920	19900	2990	4920	23880	3190	4670	17900	2839	4670	21480
9109WI	45	75	16	17 x 8.7	0.240	19300	27000	17900	17177	27000	21480	18300	25600	16100	16287	25600	19320
7009	1.7717	2.9528	0.6299	17 x 11/32	0.53	4330	6080	17900	3854	6080	21480	4110	5760	16100	3658	5760	19320
9110WI	50	80	16	18 x 8.7	0.258	20800	27900	16300	18512	27900	19560	19700	26300	14700	17533	26300	17640
7010	1.9685	3.1496	0.6299	18 x 11/32	0.57	4670	6270	16300	4156	6270	19560	4430	5910	14700	3943	5910	17640
9111WI	55	90	18	18 x 10.3	0.383	28600	37800	14700	25454	37800	17640	27200	35900	13200	24208	35900	15840
7011	2.1654	3.5433	0.7087	18 x 13/32	0.84	6420	8500	14700	5714	8500	17640	6110	8080	13200	5438	8080	15840
9112WI	60	95	18	19 x 10.3	0.409	30500	38800	13600	27145	38800	16320	33200	36900	12200	29548	36900	14640
7012	2.3622	3.7402	0.7087	19 x 13/32	0.90	6860	8730	13600	6105	8730	16320	7470	8290	12200	6648	8290	14640
9113WI	65	100	18	20 x 10.3	0.435	32600	39800	12700	29014	39800	15240	31000	37700	11400	27590	37700	13680
7013	2.5591	3.9370	0.7087	20 x 13/32	0.96	7330	8950	12700	6524	8950	15240	6970	8480	11400	6203	8480	13680
9114WI	70	110	20	19 x 11.9	0.604	40700	50300	11700	36223	50300	14040	38800	47600	10500	34532	47600	12600
7014	2.7559	4.3307	0.7874	19 x 15/32	1.33	9150	11300	11700	8144	11300	14040	8730	10700	10500	7770	10700	12600
9115WI	75	115	20	20 x 11.9	0.638	43500	51600	11000	38715	51600	13200	41200	48900	9900	36668	48900	11880
7015	2.9528	4.5276	0.7874	20 x 15/32	1.41	9790	11600	11000	8713	11600	13200	9260	11000	9900	8241	11000	11880
9116WI	80	125	22	20 x 13.5	0.859	55200	64900	10300	49128	64900	12360	52500	61400	9300	46725	61400	11160
7016	3.1496	4.9213	0.8661	20 x 17/32	1.89	12400	14600	10300	11036	14600	12360	11800	13800	9300	10502	13800	11160
9117WI	85	130	22	21 x 13.5	0.901	58700	66700	9700	52243	66700	11640	55600	63200	8700	49484	63200	10440
7017	3.3465	5.1181	0.8661	21 x 17/32	1.99	13200	15000	9700	11748	15000	11640	12500	14200	8700	11125	14200	10440
9118WI	90	140	24	20 x 15.1	1.170	68900	79600	9200	61321	79600	11040	65800	75200	8300	58562	75200	9960
7018	3.5433	5.5118	0.9449	20 x 19/32	2.58	15500	17900	9200	13795	17900	11040	14800	16900	8300	13172	16900	9960
9119WI	95	145	24	21 x 15.1	1.222	73400	81400	8700	65326	81400	10440	69400	77400	7800	61766	77400	9360
7019	3.7402	5.7087	0.9449	21 x 19/32	2.69	16500	18300	8700	14685	18300	10440	15600	17400	7800	13884	17400	9360
9120WI	100	150	24	22 x 15.1	1.299	77400	83600	8300	68886	83600	9960	73400	79200	7500	65326	79200	9000
7020	3.9370	5.9055	0.9449	22 x 19/32	2.86	17400	18800	8300	15486	18800	9960	16500	17800	7500	14685	17800	9000

(N_g) For a single, grease-lubricated, spring-preloaded bearing. This value to be used in permissible operating speed (Sp) calculation.

(1) Width tolerance of preloaded bearing set +0.000/-0.254 mm (+0.0000/-0.010 in.).

(2) Fill weights based upon specific gravity of 0.99.

(3) C is ISO designation for 15° contact angle, 2 is Timken designation for 15° contact angle.

(4) E is ISO designation for 25° contact angle, 3 is Timken designation for 25° contact angle.