

Bearing Dimensions											Geometry Factors			Bearing Weight
Width B	Width C	Eff. Ctr. a ⁽⁴⁾	Shaft			Housing			Cage					
			Max Shaft Fillet Radius R ⁽⁵⁾	Backing Shoulder Dia. d _a	d _b	Max Housing Fillet Radius r ⁽⁵⁾	Backing Shoulder Dia. D _a	D _b			G ₁	G ₂	C _g	
mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.				kg lbs.
30.958 1.2188	23.812 0.9375	-8.1 -0.32	2.3 0.09	65.0 2.56	68.0 2.68	3.3 0.13	99.0 3.90	93.0 3.66	2.1 0.08	1.8 0.07	63.5	16.9	0.0971	1.09 2.39
29.317 1.1542	24.605 0.9687	-7.1 -0.28	2.3 0.09	68.0 2.68	67.0 2.64	3.3 0.13	98.0 3.86	92.0 3.62	2.1 0.08	1.4 0.06	58.6	17.1	0.0946	1.04 2.28
30.958 1.2188	23.812 0.9375	-8.1 -0.32	0.8 0.03	65.0 2.56	65.0 2.56	0.8 0.03	99.0 3.90	95.0 3.74	2.1 0.08	1.8 0.07	63.5	16.9	0.0971	1.09 2.40
30.958 1.2188	23.812 0.9375	-8.1 -0.32	2.3 0.09	65.0 2.56	68.0 2.68	0.8 0.03	99.0 3.90	95.0 3.74	2.1 0.08	1.8 0.07	63.5	16.9	0.0971	1.09 2.40
30.958 1.2188	23.812 0.9375	-8.1 -0.32	6.4 0.25	65.0 2.56	76.0 2.99	3.3 0.13	99.0 3.90	93.0 3.66	2.1 0.08	1.8 0.07	63.5	16.9	0.0971	1.06 2.32
30.958 1.2188	23.812 0.9375	-8.1 -0.32	0.8 0.03	65.0 2.56	65.0 2.56	3.3 0.13	99.0 3.90	93.0 3.66	2.1 0.08	1.8 0.07	63.5	16.9	0.0971	1.09 2.39
30.958 1.2188	23.812 0.9375	-8.1 -0.32	6.4 0.25	65.0 2.56	76.0 2.99	0.8 0.03	99.0 3.90	95.0 3.74	2.1 0.08	1.8 0.07	63.5	16.9	0.0971	1.06 2.33
29.317 1.1542	22.225 0.8750	-7.1 -0.28	2.3 0.09	63.0 2.48	67.0 2.64	0.8 0.03	100.0 3.94	97.0 3.82	2.1 0.08	1.4 0.06	58.6	17.1	0.0946	1.10 2.42
29.317 1.1542	22.225 0.8750	-7.1 -0.28	3.5 0.14	68.0 2.68	72.0 2.83	0.8 0.03	100.0 3.94	97.0 3.82	2.1 0.08	1.4 0.06	58.6	17.1	0.0946	1.10 2.42
29.317 1.1542	22.225 0.8750	-7.1 -0.28	2.3 0.09	63.0 2.48	67.0 2.64	2.3 0.09	100.0 3.94	95.0 3.74	2.1 0.08	1.4 0.06	58.6	17.1	0.0946	1.10 2.42
29.317 1.1542	27.000 1.0630	-7.1 -0.28	2.3 0.09	63.0 2.48	67.0 2.64	3.3 0.13	100.0 3.94	93.0 3.66	2.1 0.08	1.4 0.06	58.6	17.1	0.0946	1.21 2.66
21.996 0.8660	18.824 0.7411	-0.8 -0.03	2.3 0.09	66.0 2.60	70.0 2.76	1.3 0.05	105.0 4.13	101.0 3.98	1.6 0.06	2.3 0.09	56.0	21.4	0.0984	0.94 2.07
21.996 0.8660	18.824 0.7411	-0.8 -0.03	2.3 0.09	66.0 2.60	70.0 2.76	3.3 0.13	104.5 4.11	99.0 3.90	1.6 0.06	2.3 0.09	56.0	21.4	0.0984	0.93 2.04
29.317 1.1542	27.000 1.0630	-7.1 -0.28	2.3 0.09	63.0 2.48	67.0 2.64	2.0 0.08	100.0 3.94	96.0 3.78	2.1 0.08	1.4 0.06	58.6	17.1	0.0946	1.23 2.70
25.400 1.0000	19.050 0.7500	1.0 0.04	3.5 0.14	69.0 2.72	75.0 2.95	3.3 0.13	109.0 4.29	101.0 3.98	2.3 0.09	1.5 0.06	77.7	43.3	0.1170	1.20 2.65
21.996 0.8660	23.812 0.9375	-0.8 -0.03	2.3 0.09	66.0 2.60	70.0 2.76	3.3 0.13	106.0 4.17	99.0 3.90	1.6 0.06	2.3 0.09	56.0	21.4	0.0984	1.13 2.49
30.048 1.1830	23.812 0.9375	-4.6 -0.18	3.5 0.14	66.0 2.60	72.0 2.83	3.3 0.13	106.0 4.17	99.0 3.90	2.2 0.08	1.2 0.05	75.2	21.3	0.1092	1.37 3.04

(4) Negative value indicates effective center inside cone (inner-ring) backface.

(5) These maximum fillet radii will be cleared by the bearing corners.

(6) Negative value indicates cage extends beyond cone (inner-ring) backface.

(7) Negative value indicates cage that does not extend beyond cone (inner-ring) front face.

Continued on next page.