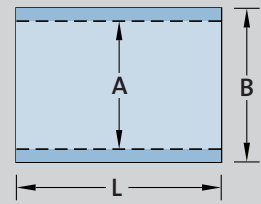
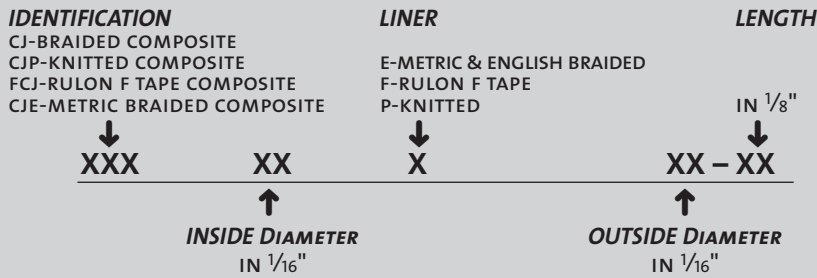


Standard Sizes for Rulon® CJ Bearings

The Rulon CJ Part Numbering System:



ALL CORNERS ARE BROKEN TO PERMIT PROPER INSTALLATION

Only braided and RULON D tape lined bearings are available as standard sizes listed in this catalog. Knitted liners and other RULON tapes are available as special orders.

THIN WALL — 1/16"

NOMINAL I.D. x O.D.	I.D. (A)	O.D. (B)	RECOMMENDED HOUSING BORE	PRESS FIT	RECOMMENDED SHAFT SIZE	LENGTH ±.005 (L)	CJ PART NUMBER
1/2 x 5/8	.5040	.6265	.6250	.0020	.4990	1/4	CJ08E10-2
	.5020	.6255	.6245	.0005	.4985	1/2 1	CJ08E10-4 CJ08E10-8
5/8 x 3/4	.6290	.7515	.7500	.0020	.6240	1/4	CJ10E12-2
	.6270	.7505	.7495	.0005	.6235	1/2 1	CJ10E12-4 CJ10E12-8
3/4 x 7/8	.7555	.8765	.8750	.0020	.7490	1/2	CJ12E14-4
	.7525	.8755	.8745	.0005	.7485	3/4 1	CJ12E14-6 CJ12E14-8
7/8 x 1	.8805	1.0025	1.0000	.0030	.8745	Up to 12"	CJ14E16-
1 x 1-1/8	.8775	1.0005	.9995	.0005	.8740		
	1.0055	1.1275	1.1250	.0030	.9990	1	CJ16E18-8
1-1/8 x 1-1/4	1.0025	1.1255	1.1245	.0005	.9985	1-1/4 1-1/2	CJ16E18-10 CJ16E18-12
	1.1335	1.2525	1.2500	.0030	1.1250	Up to 12"	CJ18E20-
1-1/4 x 1-3/8	1.1305	1.2505	1.2495	.0005	1.2480		
	1.2555	1.3785	1.3750	.0040	1.2490	Up to 12"	CJ20E22-
1-3/8 x 1-1/2	1.2525	1.3765	1.3745	.0010	1.2485		
	1.3830	1.5025	1.5000	.0030	1.3745	Up to 18"	CJ22E24-
1-1/2 x 1-5/8	1.3790	1.5005	1.4995	.0005	1.3735		
	1.5080	1.6285	1.6250	.0040	1.4995	Up to 18"	CJ24E26-
1-5/8 x 1-3/4	1.5040	1.6265	1.6245	.0015	1.4990		
	1.6330	1.7535	1.7500	.0040	1.6245	Up to 18"	CJ26E28-
1-3/4 x 1-7/8	1.6290	1.7515	1.7495	.0015	1.6240		
	1.7580	1.8785	1.8750	.0040	1.7495	Up to 18"	CJ28E30-
2 x 2 1/8	1.7540	1.8765	1.8745	.0015	1.7490		
	2.0080	2.1285	2.1255	.0040	1.9995	Up to 18"	CJ32E34-
	2.0040	2.1265	2.1245	.0010	1.9985		

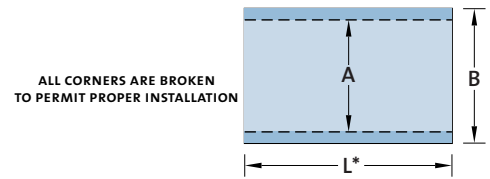
SIZE NOT LISTED ABOVE MAY BE QUOTED UPON REQUEST.

This series is designed to replace SAE sized porous powdered metal bearings below 3" ID.

STANDARD WALL — 1/8"

NOMINAL I.D. x O.D.	I.D. (A)	O.D. (B)	RECOMMENDED HOUSING BORE	PRESS FIT	RECOMMENDED SHAFT SIZE	LENGTH* (L)	CJ PART NUMBER
1/2 x 3/4	.5040	.7515	.7500	.0020	.4990	1/2	CJ08E12-4
	.5020	.7505	.7495	.0005	.4985	3/4 1	CJ08E12-6 CJ08E12-8
5/8 x 7/8	.6290	.8765	.8750	.0020	.6240	1/2	CJ10E14-4
	.6270	.8755	.8745	.0005	.6235	3/4 1	CJ10E14-6 CJ10E14-8
3/4 x 1	.7555	1.0025	1.0000	.0030	.7490	1/2	CJ12E16-4
	.7525	1.0005	.9995	.0005	.7485	3/4 1	CJ12E16-6 CJ12E16-8

Standard Sizes for Rulon CJ Bearings Continued

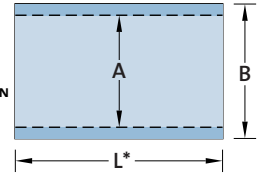


STANDARD WALL — 1/8"

NOMINAL I.D. x O.D.	I.D. (A)	O.D. (B)	RECOMMENDED HOUSING BORE	PRESS FIT	RECOMMENDED SHAFT SIZE	LENGTH* (L)	CJ PART NUMBER
7/8 x 11/8	.8805	1.1275	1.1250	.0030	.8745	UP TO 12"	CJ14E18-
	.8775	1.1255	1.1245	.0005	.8740		
1 x 1-1/4	1.0055	1.2525	1.2500	.0030	.9990	1/2	CJ16E20-4
	1.0025	1.2505	1.2495	.0005	.9985	5/8	CJ16E20-5
						3/4	CJ16E20-6
						1	CJ16E20-8
1-1/4					1-1/4	CJ16E20-10	
11/8 x 1-3/8	1.1335	1.3785	1.3750	.0040	1.1250	1/2	CJ18E22-4
	1.1305	1.3765	1.3745	.0015	1.1245	1	CJ18E22-8
						2	CJ18E22-16
1-1/4 x 1-1/2	1.2555	1.5025	1.5000	.0030	1.2490	1	CJ20E24-8
	1.2525	1.5005	1.4995	.0005	1.2485	1-1/2	CJ20E24-12
						2	CJ20E24-16
1-3/8 x 1-5/8	1.3830	1.6285	1.6250	.0040	1.3745	UP TO 18"	CJ22E26-
	1.3790	1.6265	1.6245	.0015	1.3735		
1-1/2 x 1-3/4	1.5080	1.7535	1.7500	.0040	1.4995	1-1/2	CJ24E28-12
	1.5040	1.7515	1.7495	.0015	1.4990	2	CJ24E28-16
						3	CJ24E28-24
						UP TO 18"	CJ26E30-
1-5/8 x 1-7/8	1.6330	1.8785	1.8750	.0040	1.6245	UP TO 18"	CJ26E30-
	1.6290	1.8765	1.8745	.0015	1.6240		
1-3/4 x 2	1.7580	2.0035	2.0000	.0040	1.7495	UP TO 18"	CJ28E32-
	1.7540	2.0015	1.9995	.0015	1.7490		
2 x 2-1/4	2.0080	2.2535	2.2505	.0040	1.9995	1-1/2	CJ32E36-12
	2.0040	2.2515	2.2495	.0010	1.9985	2	CJ32E36-16
						3	CJ32E36-24
2-1/2 x 2-1/2	2.2580	2.5040	2.5005	.0045	2.2490	UP TO 18"	CJ36E40-
		2.5040	2.5020	2.4995	.0015		
2-3/8 x 2-5/8	2.3850	2.6290	2.6255	.0045	2.3750		CJ38E42-
	2.3810	2.6270	2.6245	.0015	2.3740		
2-1/2 x 2-3/4	2.5100	2.7540	2.7505	.0045	2.4995	1-1/2	CJ40E44-12
	2.5060	2.7520	2.7495	.0015	2.4985	2	CJ40E44-16
						3	CJ40E44-24
2-5/8 x 2-7/8	2.6370	2.8790	2.8755	.0045	2.6245	UP TO 18"	CJ42E46-
	2.6330	2.8770	2.8745	.0015	2.6235		
2-3/4 x 3	2.7620	3.0040	3.0005	.0050	2.7495	UP TO 18"	CJ44E48-
	2.7580	3.0020	2.9990	.0015	2.7485		
3 x 3-1/4	3.0140	3.2540	3.2505	.0050	2.9995	UP TO 18"	CJ48E52-
	3.0100	3.2520	3.2490	.0015	2.9985		
3-1/4 x 3-1/2	3.2640	3.5040	3.5010	.0050	3.2495	UP TO 18"	CJ52E56-
	3.2600	3.5020	3.4990	.0010	3.2485		
3-1/2 x 3-3/4	3.5140	3.7540	3.7510	.0050	3.4995	UP TO 18"	CJ56E60-
	3.5100	3.7520	3.7490	.0010	3.4985		
3-3/4 x 4	3.7640	4.0040	4.0010	.0050	3.7495	UP TO 18"	CJ60E64-
	3.7600	4.0020	3.9990	.0010	3.7485		
4 x 4-1/4	4.0140	4.2540	4.2510	.0050	3.9995	UP TO 18"	CJ64E68-
	4.0100	4.2520	4.2490	.0010	3.9985		
4-1/4 x 4-1/2	4.2640	4.5040	4.5010	.0050	4.2495	UP TO 18"	CJ68E72-
	4.2600	4.5020	4.4990	.0015	4.2485		
4-1/2 x 4-3/4	4.5140	4.7540	4.7510	.0050	4.4995	UP TO 18"	CJ72E76-
	4.5100	4.7520	4.7490	.0010	4.4985		
4-3/4 x 5	4.7640	5.0040	5.0010	.0050	4.7495	UP TO 18"	CJ76E80-
	4.7600	5.0020	4.9990	.0010	4.7485		
5 x 5-1/4	5.0140	5.2540	5.2510	.0050	4.9995	UP TO 18"	CJ80E84-
	5.0100	5.2520	5.2490	.0010	4.9985*		

*LENGTH TOLERANCE IS +.005"/-.005" UP TO 2 1/2" I.D.; +.008"/-.007" ON I.D. 2 1/2" AND OVER. SIZES NOT LISTED ABOVE MAY BE QUOTED UPON REQUEST.

ALL CORNERS ARE BROKEN
TO PERMIT PROPER INSTALLATION

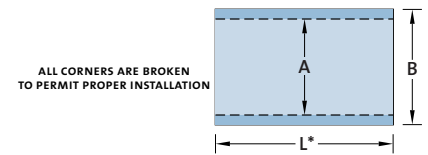


HEAVY WALL — 1/4"

NOMINAL I.D. x O.D.	I.D. (A)	O.D. (B)	RECOMMENDED HOUSING BORE	PRESS FIT	RECOMMENDED SHAFT SIZE	LENGTH* ±.005 (L)	CJ PART NUMBER
1/2 x 1	.5040 .5020	1.0025 1.0005	1.0000 .9995	.0030 .0005	.4990 .4985	UP TO 12"	CJ08E16-
5/8 x 1-1/8	.6290 .6270	1.1275 1.1255	1.1250 1.1245	.0030 .0005	.6240 .6235	UP TO 12"	CJ10E18-
3/4 x 1-1/4	.7555 .7525	1.2525 1.2505	1.2500 1.2495	.0030 .0005	.7490 .7485	UP TO 12"	CJ12E20-
7/8 x 1-3/8	.8805 .8775	1.3785 1.3765	1.3750 1.3745	.0040 .0015	.8745 .8740	UP TO 12"	CJ14E22-
1 x 1-1/2	1.0055 1.0025	1.5025 1.5005	1.5000 1.4995	.0030 .0005	.9990 .9985	1 1-1/4	CJ16E24-8 CJ16E24-10
1-1/8 x 1-5/8	1.1335 1.1305	1.6285 1.6265	1.6250 1.6245	.0040 .0015	1.1250 1.1245	UP TO 12"	CJ18E26-
1-1/4 x 1-3/4	1.2555 1.2525	1.7535 1.7515	1.7500 1.7495	.0040 .0015	1.2490 1.2485	1 2	CJ20E28-8 CJ20E28-16
1-3/8 x 1-7/8	1.3830 1.3790	1.8785 1.8765	1.8750 1.8745	.0040 .0015	1.3745 1.3740	UP TO 18"	CJ22E30-
1-1/2 x 2	1.5080 1.5040	2.0035 2.0015	2.0000 1.9995	.0040 .0015	1.4995 1.4990	1-1/2 2	CJ24E32-12 CJ24E32-16
1-5/8 x 2-1/8	1.6330 1.6290	2.1285 2.1265	2.1255 2.1245	.0040 .0015	1.6246 1.6240	UP TO 18"	CJ26E34-
1-3/4 x 2-1/4	1.7580 1.7540	2.2535 2.2515	2.2505 2.2495	.0040 .0010	1.7495 1.7490	UP TO 18"	CJ28E36-
2 x 2-1/2	2.0080 2.0040	2.5040 2.5020	2.5005 2.4995	.0045 .0015	1.9995 1.9985	1-1/2 2	CJ32E40-12 CJ32E40-16
2-1/4 x 2-3/4	2.2580 2.2540	2.7540 2.7520	2.7505 2.7495	.0045 .0015	2.2490 2.2480	UP TO 18"	CJ36E44-
2-3/8 x 2-7/8	2.3850 2.3810	2.8790 2.8770	2.8755 2.8745	.0045 .0015	2.3750 2.3740	UP TO 18"	CJ38E46-
2-1/2 x 3	2.5100 2.5060	3.0040 3.0020	3.0005 2.9990	.0050 .0015	2.4995 2.4990	UP TO 18"	CJ40E48-
2-5/8 x 3-1/8	2.6370 2.6330	3.1290 3.1270	3.1255 3.1240	.0050 .0015	2.6245 2.6240	UP TO 18"	CJ42E50-
2-3/4 x 3-1/4	2.7620 2.7580	3.2540 3.2520	3.2505 3.2490	.0050 .0015	2.7495 2.7485	UP TO 18"	CJ44E52-
3 x 3-1/2	3.0140 3.0100	3.5040 3.5020	3.5010 3.4990	.0050 .0010	2.9995 2.9985	UP TO 18"	CJ48E56-
3-1/4 x 3-3/4	3.2640 3.2600	3.7540 3.7520	3.7510 3.7490	.0050 .0010	3.2495 3.2485	UP TO 18"	CJ52E60-
3-1/2 x 4	3.5140 3.5100	4.0040 4.0020	4.0010 3.9990	.0050 .0010	3.4995 3.4985	UP TO 18"	CJ56E64-
3-3/4 x 4-1/4	3.7640 3.7600	4.2540 4.2520	4.2510 4.2490	.0050 .0010	3.7495 3.7485	UP TO 18"	CJ60E68-
4 x 4-1/2	4.0140 4.0100	4.5040 4.5020	4.5010 4.4990	.0050 .0010	3.9995 3.9985	UP TO 18"	CJ64E72-
4-1/4 x 4-3/4	4.2640 4.2600	4.7540 4.7520	4.7510 4.7490	.0050 .0010	4.2495 4.2485	UP TO 18"	CJ68E76-
4-1/2 x 5	4.5140 4.5100	5.0040 5.0020	5.0010 4.9990	.0050 .0010	4.4995 4.4985	UP TO 18"	CJ72E80-
4-3/4 x 5-1/4	4.7640 4.7600	5.2540 5.2520	5.2510 5.2490	.0050 .0010	4.7495 4.7485	UP TO 18"	CJ76E84-
5 x 5-1/2	5.0140 5.0100	5.5040 5.5020	5.5010 5.4990	.0050 .0010	4.9995 4.9985	UP TO 18"	CJ80E88-

*LENGTH TOLERANCE IS +.005" / -.005" UP TO 2 1/2" I.D.; +.008" / -.007" ON I.D. 2 1/2" AND OVER.
SIZES NOT LISTED ABOVE MAY BE QUOTED UPON REQUEST.

Standard Sizes for Rulon CJ Bearings Continued



2.5 MM WALL SERIES METRIC DIMENSIONS (MM)

NOMINAL I.D. x O.D.	I.D. (A)	O.D. (B)	RECOMMENDED HOUSING BORE	PRESS FIT	RECOMMENDED SHAFT SIZE	CJ PART NUMBER
12 x 17	12.143 12.093	17.068 17.043	17.018 17.000	.068 .025	12.000 11.982	CJE12E17-
15 x 20	15.146 15.096	20.071 20.046	20.021 20.000	.071 .025	15.000 14.982	CJE15E20-
18 x 23	18.201 18.121	23.096 23.046	23.021 23.000	.096 .025	18.000 17.982	CJE18E23-
20 x 25	20.201 20.121	25.096 25.046	25.021 25.000	.096 .025	20.000 19.979	CJE20E25-
22 x 27	22.201 22.121	27.096 27.046	27.021 27.000	.096 .025	22.000 21.979	CJE22E27-
25 x 30	25.205 25.125	30.100 30.050	30.025 30.000	.100 .029	25.000 24.979	CJE25E30-
30 x 35	30.205 30.125	35.100 35.050	35.025 35.000	.100 .025	30.000 29.979	CJE30E35-
35 x 40	35.225 35.125	40.100 40.050	40.025 40.000	.100 .025	35.000 34.975	CJE35E40-
40 x 45	40.225 40.125	45.100 45.050	45.025 45.000	.100 .025	40.000 39.975	CJE40E45-
45 x 50	45.230 45.130	50.105 50.055	50.025 50.000	.105 .030	45.000 44.975	CJE45E50-
50 x 55	50.225 50.155	55.105 55.055	55.030 55.000	.105 .025	50.000 49.975	CJE50E55-

5.0 MM WALL SERIES METRIC DIMENSIONS (MM)

NOMINAL I.D. x O.D.	I.D. (A)	O.D. (B)	RECOMMENDED HOUSING BORE	PRESS FIT	RECOMMENDED SHAFT SIZE	CJ PART NUMBER
30 x 40	30.205 30.125	40.100 40.050	40.025 40.000	.100 .025	30.000 29.979	CJE30E40-
35 x 45	35.225 35.125	45.100 45.050	45.025 45.000	.100 .025	35.000 34.975	CJE35E45-
40 x 50	40.225 40.125	50.100 50.050	50.025 50.000	.100 .025	40.000 39.975	CJE40E50-
45 x 55	45.230 45.130	55.105 55.055	55.030 55.000	.105 .025	45.000 44.975	CJE45E55-
50 x 60	50.225 50.155	60.105 60.055	60.030 60.000	.105 .025	50.000 49.975	CJE50E60-
55 x 65	55.255 55.155	65.105 65.055	65.030 65.000	.105 .025	55.000 54.970	CJE55E65-
60 x 70	60.255 60.155	70.105 70.055	70.030 70.000	.105 .025	60.000 59.970	CJE60E70-
65 x 75	65.255 65.155	75.105 75.055	75.030 75.000	.105 .025	65.000 64.970	CJE65E75-
70 x 80	70.305 70.205	80.105 80.055	80.030 80.000	.105 .025	70.000 69.970	CJE70E80-
75 x 85	75.310 75.210	85.110 85.060	85.035 85.000	.110 .025	75.000 74.970	CJE75E85-
80 x 90	80.310 80.210	90.110 90.060	90.035 90.000	.110 .025	80.000 79.970	CJE80E90-
85 x 95	85.360 85.260	95.110 95.060	95.035 95.000	.110 .025	85.000 84.965	CJE85E95-
90 x 100	90.360 90.260	100.110 100.060	100.035 100.000	.110 .025	90.000 89.965	CJE90E100-
100 x 110	100.360 100.260	110.110 110.060	110.035 110.000	.110 .025	100.000 99.965	CJE100E110-
100 x 120	100.360 100.260	120.110 120.060	120.035 120.000	.110 .025	110.000 109.965	CJE110E120-
120 x 130	120.365 120.265	130.115 130.065	130.040 130.000	.115 .025	120.000 119.965	CJE120E130-

*LENGTH TOLERANCE: +0/- .25 MM FOR I.D. UP TO AND INCLUDING 55 MM, +0/- .40 MM FOR I.D. 60 MM AND LARGER
SIZES NOT LISTED ABOVE MAY BE QUOTED UPON REQUEST.

RULON CW CWW THRUST WASHERS

One Sided Thrust Washer Part Number	Nominal I.D.	I.D.	O.D. +.000 -.020	Thickness +/- .002	Two Sided Thrust Washer Part Number	Nominal I.D.	I.D.	O.D. +.000 -.020	Thickness +/- .002
CW04E08-3	1/4	.264 .254	.500	.074	CWW04E08-3	1/4	.264 .254	.500	.078
CW06E12-3	3/8	.389 .379	.750	.074	CWW06E12-3	3/8	.389 .379	.750	.078
CW08E16-3	1/2	.513 .503	1.000	.074	CWW08E16-3	1/2	.513 .503	1.000	.078
CW10E20-3	5/8	.638 .628	1.250	.074	CWW10E20-3	5/8	.638 .628	1.250	.078
CW12E24-3	3/4	.764 .754	1.500	.074	CWW12E24-3	3/4	.764 .754	1.500	.078
CW14E28-3	7/8	.888 .875	1.750	.074	CWW14E28-3	7/8	.888 .875	1.750	.078
CW16E32-3	1	1.014 1.004	2.000	.074	CWW16E32-3	1	1.014 1.004	2.000	.078
CW18E34-3	1 1/8	1.150 1.130	2.125	.074	CWW1834-3	1 1/8	1.150 1.130	2.125	.078
CW20E36-3	1 1/4	1.273 1.253	2.250	.074	CWW20E36-3	1 1/4	1.273 1.253	2.250	.078
CW22E40-3	1 3/8	1.399 1.379	2.500	.074	CWW22E40-3	1 3/8	1.399 1.379	2.500	.078
CW24E42-3	1 1/2	1.524 1.504	2.625	.074	CWW24E42-3	1 1/2	1.524 1.504	2.625	.078
CW26E44-3	1 5/8	1.649 1.629	2.750	.074	CWW26E44-3	1 5/8	1.649 1.629	2.750	.078
CW28E46-3	1 3/4	1.774 1.754	2.875	.074	CWW28E46-3	1 3/4	1.774 1.754	2.875	.078
CW32E52-3	2	2.024 2.004	3.250	.074	CWW32E52-3	2	2.024 2.004	3.250	.078
CW36E54-3	2 1/4	2.273 2.253	3.375	.074	CWW36E54-3	2 1/4	2.273 2.253	3.375	.078
CW40E60-3	2 1/2	2.524 2.504	3.750	.074	CWW40E60-3	2 1/2	2.524 2.504	3.750	.078
CW44E66-3	2 3/4	2.774 2.754	4.125	.074	CWW44E66-3	2 3/4	2.774 2.754	4.125	.078
CW48E72-3	3	3.024 3.004	4.5	.074	CWW48E72-3	3	3.024 3.004	4.5	.078

ONE WEAR SURFACE

The Rulon CW composite laminate washer series is constructed of a Nomex/Teflon fabric which is bonded onto one side of a strong cotton fabric. The cloth is then impregnated with a special phenolic resin system. Under heat and pressure, a unique laminated board is made up that has a very low coefficient of friction relationship with any other mating surface while maintaining an exceptions load capacity. Washers made from the CW material will slip against the mating surface with the lowest coefficient of friction of any similar bearing system while sticking to the non-Teflon surface. The CW series allows for up to .015" wear on the face.

TWO WEAR SURFACES

Rulon CWW is for applications in which a double-faced thrust bearing is a desirable design feature. The CWW composite washer is composed of a Nomex and Teflon fiber fabric, which is bonded onto both sides of a strong cotton fabric and then impregnated with a special compounded phenolic resin system. Washers made from the CWW will slip on both surfaces with a low coefficient of friction. The CWW series will allow wear up to .015" on each face of the bearing.