

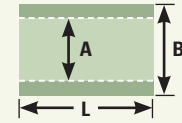
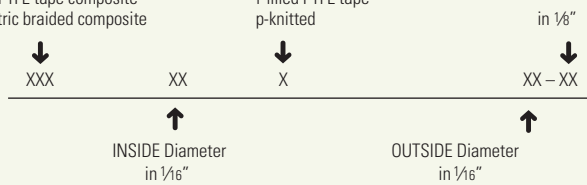
Standard Sizes for CJ Bearings - English Units

The CJ Part Numbering System:

Identification
 cj-braided composite
 cjp-knitted composite
 fcj-filled PTFE tape composite
 cjme-metric braided composite

Liner
 e-metric & english braided
 f-filled PTFE tape
 p-knitted

Length



All corners are broken to permit proper installation.

Only braided and filled PTFE tape lined bearings are available as standard sizes listed in this catalog. Knitted liners and other filled PTFE 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 | CJ08E10-4 |
| | | | | | | 1 | CJ08E10-8 |
| 5/8 x 3/4 | .6290 | .7515 | .7500 | .0020 | .6240 | 1/4 | CJ10E12-2 |
| | .6270 | .7505 | .7495 | .0005 | .6235 | 1/2 | CJ10E12-4 |
| | | | | | | 1 | CJ10E12-8 |
| 3/4 x 7/8 | .7555 | .8765 | .8750 | .0020 | .7490 | 1/2 | CJ12E14-4 |
| | .7525 | .8755 | .8745 | .0005 | .7485 | 3/4 | CJ12E14-6 |
| | | | | | | 1 | CJ12E14-8 |
| 7/8 x 1 | .8805 | 1.0025 | 1.0000 | .0030 | .8745 | Up to 12" | CJ14E16- |
| | .8775 | 1.0005 | .9995 | .0005 | .8740 | | |
| 1 x 1 1/8 | 1.0055 | 1.1275 | 1.1250 | .0030 | .9990 | 1 | CJ16E18-8 |
| | 1.0025 | 1.1255 | 1.1245 | .0005 | .9985 | 1 1/4 | CJ16E18-10 |
| | | | | | | 1 1/2 | CJ16E18-12 |
| 1 1/8 x 1 1/4 | 1.1335 | 1.2525 | 1.2500 | .0030 | 1.1250 | Up to 12" | CJ18E20- |
| | 1.1305 | 1.2505 | 1.2495 | .0005 | 1.1245 | | |
| 1 1/4 x 1 3/8 | 1.2555 | 1.3785 | 1.3750 | .0040 | 1.2490 | Up to 12" | CJ20E22- |
| | 1.2525 | 1.3765 | 1.3745 | .0010 | 1.2485 | | |
| 1 3/8 x 1 1/2 | 1.3830 | 1.5025 | 1.5000 | .0030 | 1.3745 | Up to 18" | CJ22E24- |
| | 1.3790 | 1.5005 | 1.4995 | .0005 | 1.3735 | | |
| 1 1/2 x 1 5/8 | 1.5080 | 1.6285 | 1.6250 | .0040 | 1.4995 | Up to 18" | CJ24E26- |
| | 1.5040 | 1.6265 | 1.6245 | .0015 | 1.4990 | | |
| 1 5/8 x 1 3/4 | 1.6330 | 1.7535 | 1.7500 | .0040 | 1.6245 | Up to 18" | CJ26E28- |
| | 1.6290 | 1.7515 | 1.7495 | .0015 | 1.6240 | | |
| 1 3/4 x 1 7/8 | 1.7580 | 1.8785 | 1.8750 | .0040 | 1.7495 | Up to 18" | CJ28E30- |
| | 1.7540 | 1.8765 | 1.8745 | .0015 | 1.7490 | | |
| 2 x 2 1/8 | 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.

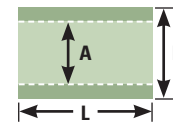
This series is designed to replace SAE sized porous powdered metal bearings below 3" ID.

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 | CJ08E12-6 |
| | | | | | | 1 | CJ08E12-8 |
| 5/8 x 7/8 | .6290 | .8765 | .8750 | .0020 | .6240 | 1/2 | CJ10E14-4 |
| | .6270 | .8755 | .8745 | .0005 | .6235 | 3/4 | CJ10E14-6 |
| | | | | | | 1 | 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 | CJ12E16-6 |
| | | | | | | 1 | CJ12E16-8 |

*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 CJ Bearings - English Units



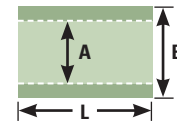
All corners are broken to permit proper installation.

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 1 1/8 | .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 | CJ16E20-10 |
| 1 1/8 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 |
| 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 1/4 x 2 1/2 | 2.2580 | 2.5040 | 2.5005 | .0045 | 2.2490 | Up to 18" | CJ36E40- |
| | 2.2540 | 2.5020 | 2.4995 | .0015 | 2.2485 | | |
| 2 3/8 x 2 5/8 | 2.3850 | 2.6290 | 2.6255 | .0045 | 2.3750 | Up to 18" | 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.

Standard Sizes for CJ Bearings - English Units



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

We're ready to put our engineering expertise to work for you from prototype to production.

Engineering | Custom Fabrication | Manufacturing



CJ Composite

- Self-Lubricating
- Low weight | High Strength
- Chemical Resistance
- Direct replacement for Bronze



Ultracomp[®]

- Self-Lubricating
- High Load | Low Speed
- 54,400 PSI Compressive Strength
- Exceptional Resistance to Vibration and Impact



TriSteel[™]

- Self-Lubricating
- High Load | High Speed
- Metal Backed Bearing System
- 100% Lead Free



Rulon[®]

- Self-Lubricating
- Low weight | High Strength
- Low Coefficient of Friction
- Chemically Resistant



Enhanced Materials Division

- Plasma Surface Treatment
- Asymmetric & Symmetric Filtration Membranes
- Specialized Primers & Coatings
- Material ID & Selection



TriStar



Engineered Plastic Solutions[™]

tstar.com



1.800.874.7827