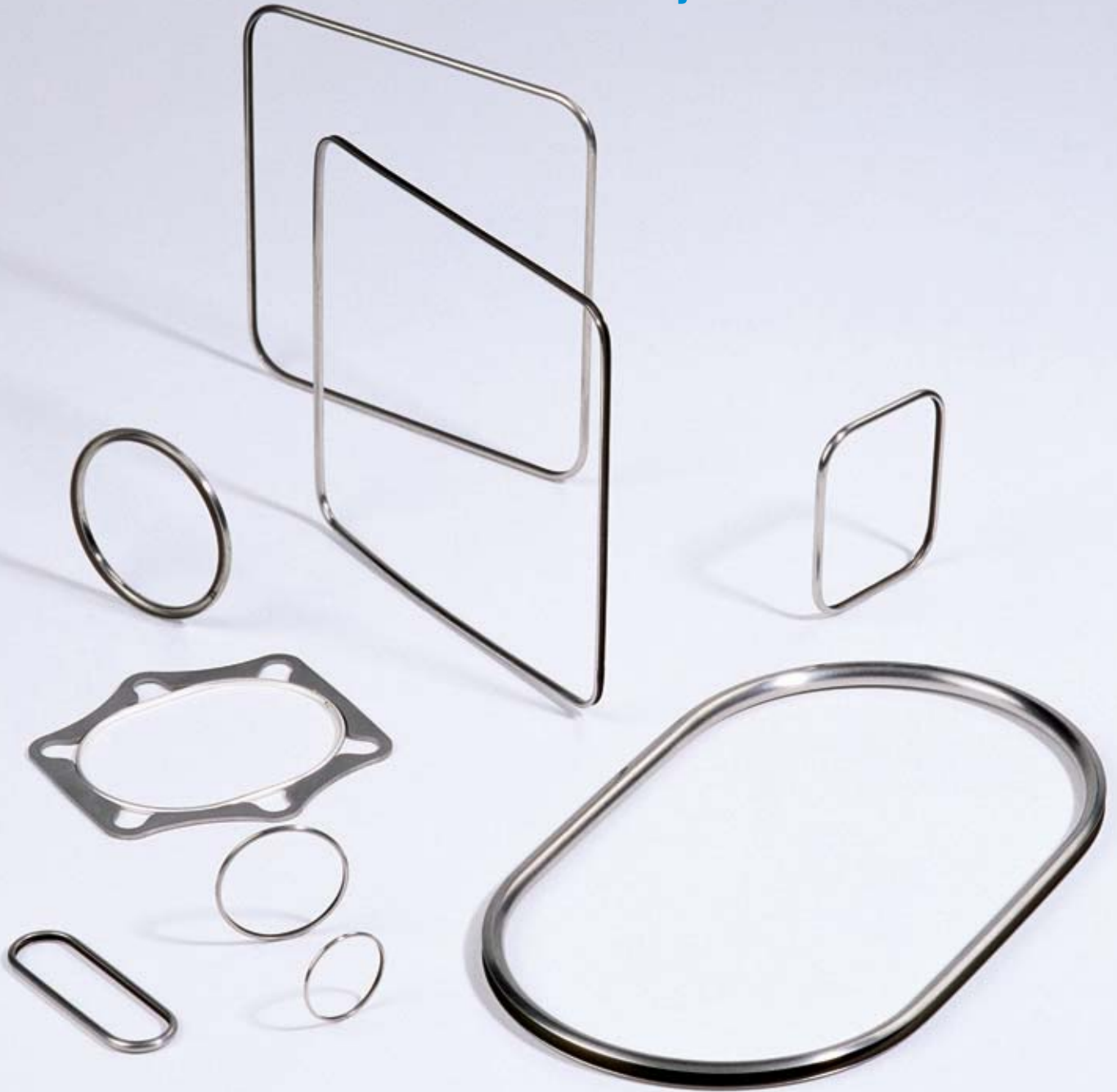




C-SEALS
JC, JS & JT SERIES



JETSEAL, INC.

TEL: 509-467-9133

WWW.JETSEAL.COM

JETCAT No. 03

C-SEAL SERIES

Why choose JETSEAL, multi-purpose, C-Seals?

The C-Seal or C-Ring is the most widely used resilient metallic seal available today. It may be purchased from numerous manufacturers as a generic product. So why should you specify and purchase JETSEAL's state-of-the-art C-Seals? Here are some of the characteristics which distinguish our products:

- JETSEAL standard C-Seals are produced to the highest standards of quality, with all critical features closely controlled to ensure that optimum performance is consistently obtained. Our ISO 9001 certified manufacturing team is committed to the highest standards of excellence.
- The sealing surfaces of both standard and improved deflection capability C-Seals are profile-lapped using an innovative JETSEAL process to ensure continuous sealing contact, giving excellent performance in both standard cavities and in cases where dynamic separation occurs. Vibro-finishing and tumbling are not used since they do not guarantee continuous sealing lines. Have you ever removed a leaking seal and noticed "skips" in what should be a continuous sealing line "footprint" in its plating? Did the seal manufacturer try to blame your hardware? Eliminate such problems by specifying JETSEAL C-Seals for all new and troublesome existing applications.
- JETSEAL additionally offers two new versions of the C-Seal, known as Super C-Seals. Like the standard C-Seal, they are single-piece designs, but they provide superior deflection capability without unduly increasing complexity or unacceptably elevating cost. These new developments allow JETSEAL C-Seals to be employed in applications where the generic product fails to provide leak-tightness. It is no longer necessary to resort to more complex, multi-piece, higher-priced products.



Features

High integrity - Autogenous welds, where they are necessary, are performed prior to seal forming, are cold forged and are severely tested by the manufacturing process;

- No circumferential (high-stress plane) welding.
- Available in any diameter B 0.18 inches, for both standard and custom cavity dimensions.
- Standard free heights from .062" to .250".
- Produced in nickel and cobalt based alloys and stainless steels.
- Low-cost, simple construction.
- Economic use of expensive alloy materials.
- Exceptional circumferential flexibility accommodates flange waviness.
- Pressure-energization increases sealing contact force at higher pressures.
- Retainer plates and snap fits available.
- Non-circular geometric and custom shapes. (Racetracks, rectangles, ellipses, etc.)
- Wide selection of plating and coating materials.

Sample Applications

- Turbine engine case joints; fuel injector nozzles; manifold to case flanges; valve seats; hydraulic and pneumatic fittings; oil drilling equipment; vacuum components and systems; cryogenic components and systems; cylinder head fire seals.
- Lightweight flanges and joints with low bolting loads.
- Moderate compression load minimizes flange deflections.
- Where good to excellent springback is needed to accommodate cavity thermal and pressure loading deflections.
- High pressures. Pressure capability to 50,000 psid (consult JETSEAL technical support staff for higher pressure applications).
- In temperature ranges from -320° F to 1300° F (consult JETSEAL engineers for extended ranges).

*If your application or conditions are not incorporated above, consult us.
We may have special solutions to your problems.*

JETSEAL Intelligent Part Numbering System for Standard C-Seals.
 (Non standard seals are described by numerical part numbers with non-significant digits.)

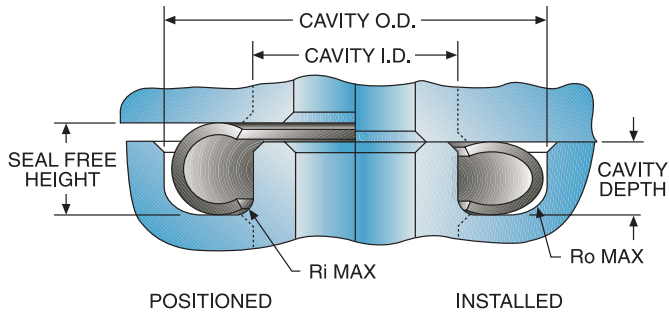


Fig. 1. C-Seal Internal Pressure Installation.

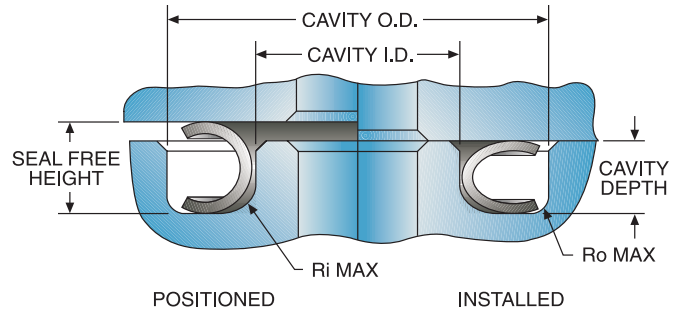
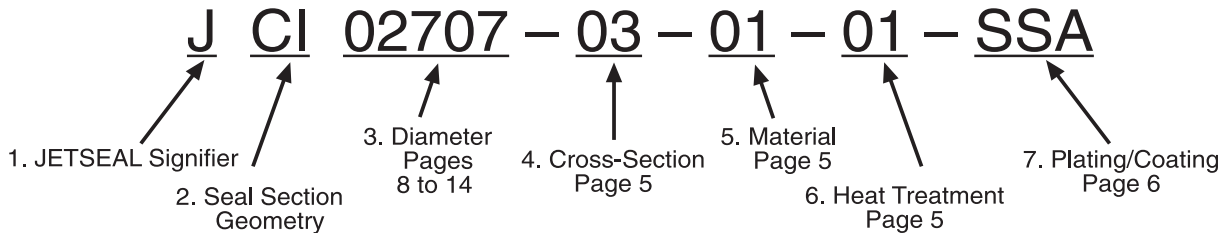


Fig. 2. C-Seal External Pressure Installation.

Here's how to order the seal to suit your application using the *JETSEAL intelligent part numbering system for multi-purpose C-Seals.*

Example of Intelligent P/N (part number whose characters signify discrete properties of the product).



JETSEAL INTELLIGENT PART NUMBERING SYSTEM

1. J Prefix indicates seal P/N defines seal in English units.

I prefix indicates ISO metric system units (see separate catalog section).

- 2. Seal Section Geometry:**
- | | | |
|----|---|---|
| CI | = | C-Seal, Internal Pressure |
| CE | = | C-Seal, External Pressure |
| CA | = | C-Seal, Coaxial (Radial Interference) |
| SI | = | Super C-Seal, Internal Pressure |
| SE | = | Super C-Seal, External Pressure |
| TI | = | Two-Ply Super C-Seal, Internal Pressure |
| TE | = | Two-Ply Super C-Seal, External Pressure |

3. Diameter code: Expressed in one-thousandths of an inch, *e.g.*

- | | | |
|-------|---|---------------|
| 02707 | = | 2.707 inches |
| 99500 | = | 99.500 inches |

For JCI, JSI and JTI seals, the maximum external diameter is encoded. For JCE, JSE, JTE and JCA seals, the minimum internal diameter is used. These are the most critical diameters in each case. (Non-standard seals are described by numerical part numbers with non-significant digits.)

P/N JCI 02707-03-01-01-SSA, above, defines an internal pressure C-Seal with an outside diameter of 2.707 - 2.704, a free height of .064 - .062, material thickness .007, Alloy 718, solution and precipitation heat treated and plated with silver .0005 - .0010 thick.

4. Cross-Section Codes:

Code	Nominal Section	Free Height	Material Thickness	Cavity Depth	Cavity Corner Rad. (Max)
01	3/64	.046 - .048	.005	.036 - .038	.015
02	3/64	.046 - .048	.007*	.036 - .038	.015
03	1/16	.062 - .064	.007	.049 - .051	.020
04	1/16	.062 - .064	.010*	.049 - .051	.020
05	3/32	.093 - .095	.008	.073 - .077	.030
06	3/32	.093 - .095	.012	.073 - .077	.030
07	1/8	.124 - .127	.010	.098 - .102	.045
08	1/8	.124 - .127	.015	.098 - .102	.045
09	3/16	.186 - .190	.015	.149 - .153	.070
10	3/16	.186 - .190	.020	.149 - .153	.070
11	1/4	.248 - .252	.020	.198 - .202	.090
12	1/4	.248 - .252	.025	.198 - .202	.090
13 ¹	1/8	.124 - .127	.012	.098 - .102	.045
14 ¹	3/16	.186 - .190	.017	.149 - .153	.070
15 ¹	1/4	.248 - .252	.020	.198 - .202	.090
16 ²	1/8	.124 - .127	.010/2	.098 - .102	.045
17 ²	3/16	.186 - .190	.015/2	.149 - .153	.070
18 ²	1/4	.248 - .250	.020/2	.198 - .202	.090

*Not available for seals less than .625 nominal diameter.

¹Super C-Seal

²Two-Ply Super C-Seal

5. Material Codes:

Code	Material	Specification	Temperature Limit (°F) ¹	Remarks
01	Alloy 718	AMS 5596 AMS 5589	1200	Superior performance (NACE approved H ₂ service H.T.'s available)
02	Alloy X-750	AMS 5598 AMS 5582	1100	Excellent performance Lower load/Springback
03	Waspaloy	AMS 5544	1350	Superior creep, stress relaxation above 1200°F
04	Cres 304	AMS 5511 AMS 5560	800	Effective within reduced temp. range. Low springback
05	Elgiloy	AMS 5876	900	Excellent H ₂ embrittlement resistance
06	Incoloy 909®	AMS 5892	1200	Low expansion alloy

¹ Temperatures may be exceeded for certain applications; especially short duration.

6. Heat Treatment Codes:

Codes	Heat Treatment	Remarks
00	None	Strain hardened condition.
01	Solution & Precipitation	Alloy 718, X-750. General applications
03	Solution & Precipitation (NACE)	Special H.T. for sour gas (Hydrogen Sulfide) service
04	Solution, Stabilization & Precipitation	Waspaloy; Creep & Relaxation resistance.
05	Solution & Precipitation(H ₂)	Alloy 718: High temperature H ₂ gas service.
06	Precipitation only	Alloy 718, X-750. Static applications

7. Plating and Coating Codes for C-Seals:

Note: All JETSEAL Seals have rotationally generated or lapped substrate surface profiles.

Code	Plating/Coating	Thickness, inch	Remarks
---	None		
S S A	Silver	.0005 – .0010	Inert gas annealed @ 950° F
S S B	Silver	.0010 – .0015	Inert gas annealed @ 950° F
S S C	Silver	.0015 – .0020	Inert gas annealed @ 950° F
S S D	Silver	.0020 – .0025	Inert gas annealed @ 950° F
S A A	Silver w/gold u/lay	.0005 – .0010	Inert gas annealed @ 950° F (Thickness does not incl.u/lay)
S A B	Silver w/gold u/lay	.0010 – .0015	Inert gas annealed @ 950° F (Thickness does not incl.u/lay)
S A C	Silver w/gold u/lay	.0015 – .0020	Inert gas annealed @ 950° F. (Thickness does not incl.u/lay)
N I A	Soft nickel	.0005 – .0010	Inert gas annealed @ 1200° F
N I B	Soft nickel	.0010 – .0015	Inert gas annealed @ 1200° F
N I C	Soft nickel	.0015 – .0020	Inert gas annealed @ 1200° F
N A A	Soft nickel w/gold u/lay	.0005 – .0010	Inert gas annealed @ 1200° F
N A B	Soft nickel w/gold u/lay	.0010 – .0015	Inert gas annealed @ 1200° F
N A C	Soft nickel w/gold u/lay	.0015 – .0020	Inert gas annealed @ 1200° F
A A A	Gold	.0005 – .0010	Inert gas annealed @ 1200° F
A A B	Gold	.0010 – .0015	Inert gas annealed @ 1200° F
C U A	Copper	.0005 – .0010	Inert gas annealed @ 1200° F
C U B	Copper	.0010 – .0015	Inert gas annealed @ 1200° F
C U C	Copper	.0015 – .0020	Inert gas annealed @ 1200° F
C A A	Copper w/gold u/lay	.0005 – .0010	Inert gas annealed @ 1200° F
C A B	Copper w/gold u/lay	.0010 – .0015	Inert gas annealed @ 1200° F
C A C	Copper w/gold u/lay	.0015 – .0020	Inert gas annealed @ 1200° F
P B C	Lead	.0015 – .0020	
P B D	Lead	.0020 – .0025	
T F B	Teflon®	.0010 – .0015	
T F D	Teflon®	.0020 – .0025	

Specification of Geometrical Tolerances:

Depending on their diameter to cross-section and material thickness ratios, JETSEAL standard metallic seal rings range from moderate to high flexibility when deflected across a diametral plane or perpendicular to such plane. It is necessary, therefore, to allow reasonably large roundness and flatness tolerances for these metallic seals in the unrestrained condition.

For example, a JCI or JCE C-Seal, twenty or more inches in diameter becomes visibly oval when suspended from a point on its diameter, simply due to the effects of gravitational acceleration on its own mass. When laid “flat” on a surface table, this seal may arch slightly above the surface due to extremely slight variations in the symmetry of its cross-section within specified tolerances. Such “non-conformances” may be eliminated by the touch of a finger and have no bearing on the performance of the seal in its installed, restrained, state.

The tolerances shown in the following table are standard for all JETSEAL metallic seals in the unrestrained condition and are additional to feature tolerances. In the restrained condition, JETSEAL Series C-Seals conform to the feature size tolerances shown elsewhere in this manual.

Mean Diameter range (in)	Roundness (in)	Flatness (in)
To 1.000	.015	.005
1.001 – 2.000	.020	.010
2.001 – 3.500	.030	.015
3.501 – 7.500	.050	.025
7.501 – 10.000	.065	.035
10.001 – 15.000	.085	.050
15.001 – 20.000	.115	.060
20.001 – 30.000	.150	.070
30.001 – 35.000	.200	.100
35.001 – 40.000	.250	.125
40.001 – 50.000	.300	.150

Seals with Non-Circular Geometry:

Jetseal metallic seals may be supplied shaped to match the contour of virtually any groove, provided that practical constraints on corner radius form are respected. The following guidelines are considered safe:

	Minimum Inside Corner (bend) Radius										
Cross-Section	01	02	03	04	05	06	07	08	09	10	11
Radius (in.)	.20	.20	.30	.30	.50	.50	.60	.80	.80	1.00	1.00

Typical Performance¹:

	Cross Section	Max Operating Pressure (PSID)	Compression (inches)	Seating force ^{2,3} (lbs per inch circ)	Springback ² (inches)
01	3/64 - .005	36500	.010	180	.0018
02	3/64 - .007	57300	.010	250	.0015
03	1/16 - .007	39400	.013	100	.0025
04	1/16 - .010	62300	.013	300	.0020
05	3/32 - .008	27700	.018	150	.0050
06	3/32 - .012	46300	.018	300	.0040
07	1/8 - .010	25700	.025	200	.0055
08	1/8 - .015	42600	.025	250	.0045
09	3/16 - .015	25500	.037	250	.0085
10	3/16 - .020	39400	.037	350	.0075
11	1/4 - .020	25700	.050	300	.0100
12	1/4 - .025	33750	.050	400	.0090
13 ⁴	1/8 - .012	32100	.025	600	.009
14 ⁴	3/16 - .017	30000	.037	500	.014
15 ⁴	1/4 - .020/2	25700	.050	500	.017
16 ⁵	1/8 - .010/2	63500	.025	500	.0075
17 ⁵	3/16 - .015/2	63800	.037	500	.012
18 ⁵	1/4 - .020/2	63500	.050	600	.014

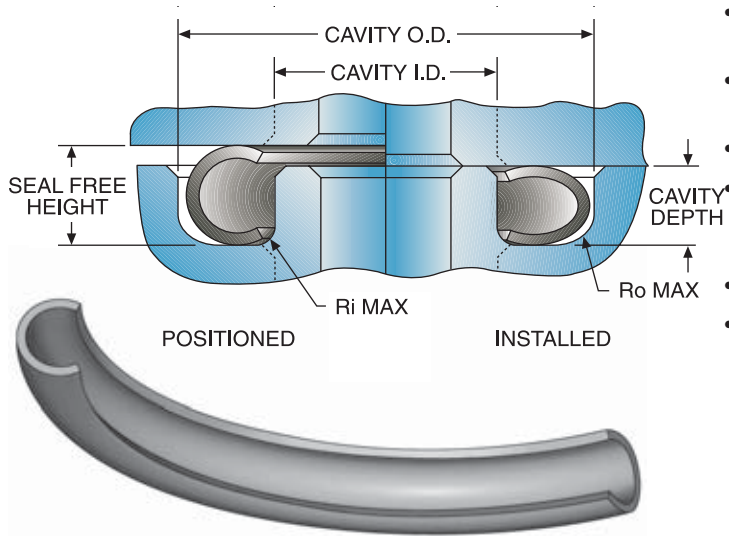
¹ Values listed are for Alloy 718. Use correction factors for other materials and elevated temperatures, from table in JETSEAL guide (JETCAT No. 01)

² Seating force increases and springback may decrease for small diameter to cross-section ratios. If these parameters are critical for your application, please consult our technical support staff for further information.

³ Unpressurized, at nominal deflection.

⁴ Super C-Seal.

⁵ Two-Ply Super C-Seal



- See page 5 for all dimensions and tolerances other than those for diameters.
- Seal diameters are average. See roundness table on page 7.
- See page 7 for installation loads performance data.
- Standard sizes are presented. Non-standard diameters may be derived by interpolation. Tooling engineering charges may apply.
- Inner cavity wall optional.
- Groove corner radius Ri may be increased as desired, provided that (groove) cavity I.D. is reduced by 2 x such increase.

P/N: JCI

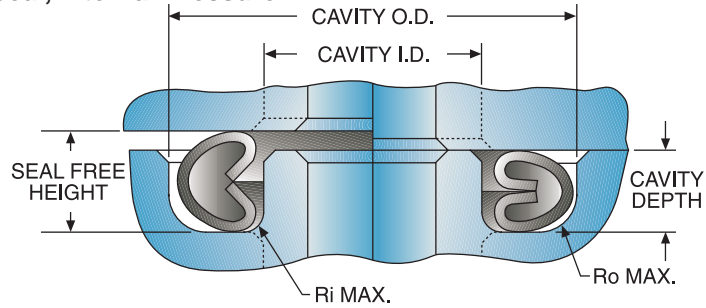
seal type or JSI or JTI diameter code derived from seal I.D., Pages 8 to 14 cross-section Page 5 material Page 5 heat treatment Page 5 plating Page 6

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

FREE HEIGHT .063					FREE HEIGHT .094					FREE HEIGHT .125				
SEAL DIA. CODE	CAVITY I.D.		SEAL I.D.		SEAL DIA. CODE	CAVITY I.D.		SEAL I.D.		SEAL DIA. CODE	CAVITY I.D.		SEAL I.D.	
	(MAX)	+0.002 -0.000	(MIN)	+0.000 -0.003		(MAX)	+0.002 -0.000	(MIN)	+0.000 -0.003		(MAX)	+0.002 -0.000	(MIN)	+0.000 -0.003
00240	.127	.250	.135	.240	00364	.200	.375	.210	.364					
00271	.158	.281	.166	.271										
00315	.200	.325	.210	.315										
00346	.231	.356	.241	.346	00395	.231	.406	.241	.395					
00377	.262	.387	.272	.377	00426	.262	.437	.272	.426					
00408	.293	.418	.303	.408	00457	.293	.468	.303	.457					
00440	.325	.450	.335	.440	00489	.325	.500	.335	.489					
00471	.356	.481	.366	.471	00520	.356	.531	.366	.520					
00502	.387	.512	.397	.502	00551	.387	.562	.397	.551					
00533	.418	.543	.428	.533	00582	.418	.593	.428	.582					
00565	.450	.575	.460	.565	00614	.450	.625	.460	.614					
00596	.481	.606	.491	.596	00645	.481	.656	.491	.645					
00627	.512	.637	.522	.627	00676	.512	.687	.522	.676					
00658	.543	.668	.553	.658	00707	.543	.718	.553	.707					
00690	.575	.700	.585	.690	00739	.575	.750	.585	.739					
00721	.606	.731	.616	.721	00770	.606	.781	.616	.770					
00752	.637	.762	.647	.752	00801	.637	.812	.647	.801					
00783	.668	.793	.678	.783	00832	.668	.843	.678	.832					
00815	.700	.825	.710	.815	00864	.700	.875	.710	.864					
00846	.731	.856	.741	.846	00895	.731	.906	.741	.895					
00878	.763	.888	.773	.878	00927	.763	.937	.773	.927	00973	.763	.985	.773	.973
00909	.794	.919	.804	.909	00958	.794	.968	.804	.958	01004	.794	1.016	.804	1.004
00941	.826	.951	.836	.941	00990	.826	1.000	.836	.990	01036	.826	1.048	.836	1.036

Seal dimensions in inches, prior to plating or coating

Alternative: JSI Super C-Seal, Internal Pressure



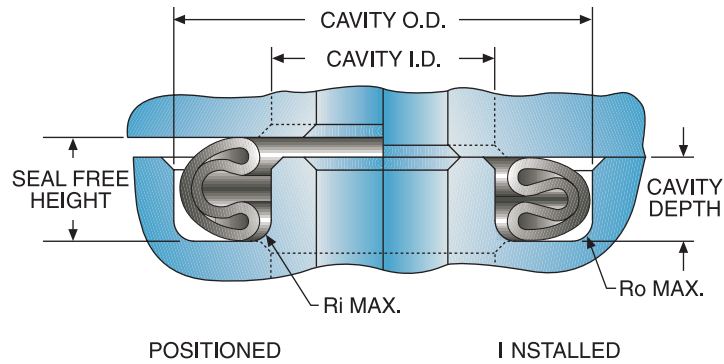
POSITIONED INSTALLED

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

FREE HEIGHT .063					FREE HEIGHT .094					FREE HEIGHT .125				
SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.		I.D.	O.D.	I.D.	O.D.		I.D.	O.D.	I.D.	O.D.
	(MAX)	+0.002 -0.000	(MIN)	+0.000 -0.003		(MAX)	+0.002 -0.000	(MIN)	+0.000 -0.003		(MAX)	+0.002 -0.000	(MIN)	+0.000 -0.003
00972	.857	.982	.867	.972	01021	.857	1.031	.867	1.021	01067	.857	1.079	.867	1.067
01003	.888	1.013	.898	1.003	01052	.888	1.062	.898	1.052	01098	.888	1.110	.898	1.098
01034	.919	1.044	.929	1.034	01083	.919	1.093	.929	1.083	01129	.919	1.141	.929	1.129
01066	.951	1.076	.961	1.066	01115	.951	1.125	.961	1.115	01161	.951	1.173	.961	1.161
01097	.982	1.107	.992	1.097	01146	.982	1.156	.992	1.146	01192	.982	1.204	.992	1.192
01128	1.013	1.138	1.023	1.128	01177	1.013	1.187	1.023	1.177	01223	1.013	1.235	1.023	1.223
01191	1.076	1.201	1.086	1.191	01240	1.076	1.250	1.086	1.240	01286	1.076	1.298	1.086	1.286
01253	1.138	1.263	1.148	1.253	01302	1.138	1.312	1.148	1.302	01348	1.138	1.360	1.148	1.348
01316	1.201	1.326	1.211	1.316	01365	1.201	1.375	1.211	1.365	01411	1.201	1.423	1.211	1.411
01378	1.263	1.388	1.273	1.378	01427	1.263	1.437	1.273	1.427	01473	1.263	1.485	1.273	1.473
01441	1.326	1.451	1.336	1.441	01490	1.326	1.500	1.336	1.490	01536	1.326	1.548	1.336	1.536
01503	1.388	1.513	1.398	1.503	01552	1.388	1.562	1.398	1.552	01598	1.388	1.610	1.398	1.598
01566	1.451	1.576	1.461	1.566	01615	1.451	1.625	1.461	1.615	01661	1.451	1.673	1.461	1.661
01628	1.513	1.638	1.523	1.628	01677	1.513	1.687	1.523	1.677	01723	1.513	1.735	1.523	1.723
01691	1.576	1.701	1.586	1.691	01740	1.576	1.750	1.586	1.740	01786	1.576	1.798	1.586	1.786
01753	1.638	1.763	1.648	1.753	01802	1.638	1.812	1.648	1.802	01848	1.638	1.860	1.648	1.848
01816	1.701	1.826	1.711	1.816	01865	1.701	1.875	1.711	1.865	01911	1.701	1.923	1.711	1.911
01878	1.763	1.888	1.773	1.878	01927	1.763	1.937	1.773	1.927	01973	1.763	1.985	1.773	1.973
01941	1.826	1.951	1.836	1.941	01990	1.826	2.000	1.836	1.990	02036	1.826	2.048	1.836	2.036
	(MAX)	+0.003 -0.000	(MIN)	+0.000 -0.004		(MAX)	+0.003 -0.000	(MIN)	+0.000 -0.004		(MAX)	+0.003 -0.000	(MIN)	+0.000 -0.004
02003	1.888	2.013	1.898	2.003	02052	1.888	2.062	1.898	2.052	02098	1.888	2.110	1.898	2.098
02066	1.951	2.076	1.961	2.066	02115	1.951	2.125	1.961	2.115	02161	1.951	2.173	1.961	2.161
02145	2.030	2.155	2.040	2.145	02194	2.030	2.204	2.040	2.194	02240	2.030	2.252	2.040	2.240
02207	2.092	2.217	2.102	2.207	02256	2.092	2.266	2.102	2.256	02302	2.092	2.314	2.102	2.302
02270	2.155	2.280	2.165	2.270	02319	2.155	2.329	2.165	2.319	02365	2.155	2.377	2.165	2.365
02332	2.217	2.342	2.227	2.332	02381	2.217	2.391	2.227	2.381	02427	2.217	2.439	2.227	2.427
02395	2.280	2.405	2.290	2.395	02444	2.280	2.454	2.290	2.444	02490	2.280	2.502	2.290	2.490
02457	2.342	2.467	2.352	2.457	02506	2.342	2.516	2.352	2.506	02552	2.342	2.564	2.352	2.552
02520	2.405	2.530	2.415	2.520	02569	2.405	2.579	2.415	2.569	02615	2.405	2.627	2.415	2.615
02582	2.467	2.592	2.477	2.582	02631	2.467	2.641	2.477	2.631	02677	2.467	2.689	2.477	2.677
02645	2.530	2.655	2.540	2.645	02694	2.530	2.704	2.540	2.694	02740	2.530	2.752	2.540	2.740
02707	2.592	2.717	2.602	2.707	02756	2.592	2.766	2.602	2.756	02802	2.592	2.814	2.602	2.802
02770	2.655	2.780	2.665	2.770	02819	2.655	2.829	2.665	2.819	02865	2.655	2.877	2.665	2.865
02832	2.717	2.842	2.727	2.832	02881	2.717	2.891	2.727	2.881	02927	2.717	2.939	2.727	2.927

Seal dimensions in inches, prior to plating or coating

Alternative: JTI Two-Ply Super C-Seals, Internal Pressure



THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

FREE HEIGHT .063					FREE HEIGHT .094					FREE HEIGHT .125				
SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL	
	I.D. (MAX)	O.D. +.003 -0.000	I.D. (MIN)	O.D. +.000 -0.003		I.D. (MAX)	O.D. +.003 -0.000	I.D. (MIN)	O.D. +.000 -0.003		I.D. (MAX)	O.D. +.003 -0.000	I.D. (MIN)	O.D. +.000 -0.003
02895	2.780	2.905	2.790	2.895	02944	2.780	2.954	2.790	2.944	02990	2.780	3.000	2.790	2.990
02957	2.842	2.967	2.852	2.957	03006	2.842	3.016	2.852	3.006	03052	2.842	3.062	2.852	3.052
03010	2.905	3.020	2.915	3.010	03069	2.905	3.079	2.915	3.069	03115	2.905	3.125	2.915	3.115
03072	2.967	3.082	2.977	3.072	03131	2.967	3.141	2.977	3.131	03177	2.967	3.187	2.977	3.177
03135	3.030	3.145	3.040	3.135	03194	3.030	3.204	3.040	3.194	03240	3.030	3.250	3.040	3.240
	(MAX)	+.003 -0.000	(MIN)	+.000 -0.005		(MAX)	+.003 -0.000	(MIN)	+.000 -0.005		(MAX)	+.003 -0.000	(MIN)	+.000 -0.005
03197	3.092	3.207	3.102	3.197	03256	3.092	3.266	3.102	3.256	03302	3.092	3.312	3.102	3.302
03260	3.155	3.270	3.165	3.260	03319	3.155	3.329	3.165	3.319	03365	3.155	3.375	3.165	3.365
03322	3.217	3.332	3.227	3.322	03381	3.217	3.391	3.227	3.381	03427	3.217	3.437	3.227	3.427
03385	3.280	3.395	3.290	3.385	03444	3.280	3.454	3.290	3.444	03490	3.280	3.500	3.290	3.490
03447	3.342	3.457	3.352	3.447	03506	3.342	3.516	3.352	3.506	03552	3.342	3.562	3.352	3.552
03510	3.405	3.520	3.415	3.510	03569	3.405	3.579	3.415	3.569	03615	3.405	3.625	3.415	3.615
03572	3.467	3.582	3.477	3.572	03631	3.467	3.641	3.477	3.631	03667	3.467	3.687	3.477	3.667
03635	3.530	3.645	3.540	3.635	03694	3.530	3.704	3.540	3.694	03740	3.530	3.750	3.540	3.740
FREE HEIGHT .125					FREE HEIGHT .188					FREE HEIGHT .250				
SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL	
	I.D. (MAX)	O.D. +.004 -0.000	I.D. (MIN)	O.D. +.000 -0.005		I.D. (MAX)	O.D. +.004 -0.000	I.D. (MIN)	O.D. +.000 -0.005		I.D. (MAX)	O.D. +.004 -0.000	I.D. (MIN)	O.D. +.000 -0.005
03802	3.592	3.814	3.602	3.802	03902	3.592	3.920	3.602	3.902					
03865	3.655	3.877	3.665	3.865	03965	3.655	3.983	3.665	3.965					
03927	3.717	3.939	3.727	3.927	04027	3.717	4.045	3.727	4.027					
03990	3.780	4.002	3.790	3.990	04090	3.780	4.108	3.790	4.090					
04052	3.842	4.064	3.852	4.052	04152	3.842	4.170	3.852	4.152					
04115	3.905	4.127	3.915	4.115	04215	3.905	4.233	3.915	4.215					
04177	3.967	4.189	3.977	4.177	04277	3.967	4.295	3.977	4.277					
04265	4.055	4.277	4.065	4.265	04365	4.055	4.383	4.065	4.365	04465	4.055	4.489	4.065	4.465
04327	4.117	4.339	4.127	4.327	04427	4.117	4.445	4.127	4.427	04527	4.117	4.551	4.127	4.527
04390	4.180	4.402	4.190	4.390	04490	4.180	4.508	4.190	4.490	04590	4.180	4.614	4.190	4.590
04452	4.242	4.464	4.252	4.452	04552	4.242	4.570	4.252	4.552	04652	4.242	4.676	4.252	4.652
04515	4.305	4.527	4.315	4.515	04615	4.305	4.633	4.315	4.615	04715	4.305	4.739	4.315	4.715
04577	4.367	4.589	4.377	4.577	04677	4.367	4.695	4.377	4.677	04777	4.367	4.801	4.377	4.777
04640	4.430	4.652	4.440	4.640	04740	4.430	4.758	4.440	4.740	04840	4.430	4.864	4.440	4.840
04702	4.492	4.714	4.502	4.702	04802	4.492	4.820	4.502	4.802	04902	4.492	4.926	4.502	4.902
04765	4.555	4.777	4.565	4.765	04865	4.555	4.883	4.565	4.865	04965	4.555	4.989	4.565	4.965

Seal dimensions in inches, prior to plating or coating

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE HEIGHT .125				SEAL DIA. CODE	FREE HEIGHT .188				SEAL DIA. CODE	FREE HEIGHT .250			
	CAVITY		SEAL			CAVITY		SEAL			CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.		I.D.	O.D.	I.D.	O.D.		I.D.	O.D.	I.D.	O.D.
(MAX)	+0.004 -.000	(MIN)	+0.000 -.005	(MAX)	+0.004 -.000	(MIN)	+0.000 -.005	(MAX)	+0.004 -.000	(MIN)	+0.000 -.005			
04827	4.617	4.839	4.627	4.827	04927	4.617	4.945	4.627	4.927	05027	4.617	5.051	4.627	5.027
04890	4.680	4.902	4.690	4.890	04990	4.680	5.008	4.690	4.990	05090	4.680	5.114	4.690	5.090
04952	4.742	4.964	4.752	4.952	05052	4.742	5.070	4.752	5.052	05152	4.742	5.176	4.752	5.152
05015	4.805	5.027	4.815	5.015	05115	4.805	5.133	4.815	5.115	05215	4.805	5.239	4.815	5.215
05077	4.867	5.089	4.877	5.077	05177	4.867	5.195	4.877	5.177	05277	4.867	5.301	4.877	5.277
05140	4.930	5.152	4.940	5.140	05240	4.930	5.258	4.940	5.240	05340	4.930	5.364	4.940	5.340
05202	4.992	5.214	5.002	5.202	05302	4.992	5.320	5.002	5.302	05402	4.992	5.426	5.002	5.402
05265	5.055	5.277	5.065	5.265	05365	5.055	5.383	5.065	5.365	05465	5.055	5.489	5.065	5.465
	(MAX)	+0.005 -.000	(MIN)	+0.000 -.006		(MAX)	+0.005 -.000	(MIN)	+0.000 -.006		(MAX)	+0.005 -.000	(MIN)	+0.000 -.006
05327	5.117	5.339	5.127	5.327	05427	5.117	5.445	5.127	5.427	05527	5.117	5.551	5.127	5.527
05390	5.180	5.402	5.190	5.390	05490	5.180	5.508	5.190	5.490	05590	5.180	5.614	5.190	5.590
05452	5.242	5.464	5.252	5.452	05552	5.242	5.570	5.252	5.552	05652	5.242	5.676	5.252	5.652
05515	5.305	5.527	5.315	5.515	05615	5.305	5.633	5.315	5.615	05715	5.305	5.739	5.315	5.715
05577	5.367	5.589	5.377	5.577	05677	5.367	5.695	5.377	5.677	05777	5.367	5.801	5.377	5.777
05640	5.430	5.652	5.440	5.640	05740	5.430	5.758	5.440	5.740	05840	5.430	5.864	5.440	5.840
05702	5.492	5.714	5.502	5.702	05802	5.492	5.820	5.502	5.802	05902	5.492	5.926	5.502	5.902
05765	5.555	5.777	5.565	5.765	05865	5.555	5.883	5.565	5.865	05965	5.555	5.989	5.565	5.965
05827	5.617	5.839	5.627	5.827	05927	5.617	5.945	5.627	5.927	06027	5.617	6.051	5.627	6.027
05890	5.680	5.902	5.690	5.890	05990	5.680	6.008	5.690	5.990	06090	5.680	6.114	5.690	6.090
06015	5.805	6.027	5.815	6.015	06115	5.805	6.133	5.815	6.115	06215	5.805	6.239	5.815	6.215
06140	5.930	6.152	5.940	6.140	06240	5.930	6.258	5.940	6.240	06340	5.930	6.364	5.940	6.340
06265	6.055	6.277	6.065	6.265	06365	6.055	6.383	6.065	6.365	06465	6.055	6.489	6.065	6.465
06390	6.180	6.402	6.190	6.390	06490	6.180	6.508	6.190	6.490	06590	6.180	6.614	6.190	6.590
06515	6.305	6.527	6.315	6.515	06615	6.305	6.633	6.315	6.615	06715	6.305	6.739	6.315	6.715
06640	6.430	6.652	6.440	6.640	06740	6.430	6.758	6.440	6.740	06840	6.430	6.864	6.440	6.840
06765	6.555	6.777	6.565	6.765	06865	6.555	6.883	6.565	6.865	06965	6.555	6.989	6.565	6.965
06890	6.680	6.902	6.690	6.890	06990	6.680	7.008	6.690	6.990	07090	6.680	7.114	6.690	7.090
07015	6.805	7.027	6.815	7.015	07115	6.805	7.133	6.815	7.115	07215	6.805	7.239	6.815	7.215
07140	6.930	7.152	6.940	7.140	07240	6.930	7.258	6.940	7.240	07340	6.930	7.364	6.940	7.340
07265	7.055	7.277	7.065	7.265	07365	7.055	7.383	7.065	7.365	07465	7.055	7.489	7.065	7.465
	(MAX)	+0.006 -.000	(MIN)	+0.000 -.008		(MAX)	+0.006 -.000	(MIN)	+0.000 -.008		(MAX)	+0.006 -.000	(MIN)	+0.000 -.008
07390	7.180	7.402	7.190	7.390	07490	7.180	7.508	7.190	7.490	07590	7.180	7.614	7.190	7.590
07515	7.305	7.527	7.315	7.515	07615	7.305	7.633	7.315	7.615	07715	7.305	7.739	7.315	7.715

Seal dimensions in inches, prior to plating or coating

Alternative JSI Super C-Seals and JTI Two-Ply Super C-Seals are interchangeable with standard JCI C-Seals and provide increased springback. The JTI series also has higher pressure ratings. See Page 5, Table 4.

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

FREE HEIGHT .125					FREE HEIGHT .188					FREE HEIGHT .250				
SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.		I.D.	O.D.	I.D.	O.D.		I.D.	O.D.	I.D.	O.D.
	(MAX)	+0.005 -0.000	(MIN)	+0.000 -0.008		(MAX)	+0.005 -0.000	(MIN)	+0.000 -0.008		(MAX)	+0.005 -0.000	(MIN)	+0.000 -0.008
07640	7.430	7.652	7.440	7.640	07740	7.430	7.758	7.440	7.740	07840	7.430	7.864	7.440	7.840
07765	7.555	7.777	7.565	7.765	07865	7.555	7.883	7.565	7.865	07965	7.555	7.989	7.565	7.965
07890	7.680	7.902	7.690	7.890	07990	7.680	8.008	7.690	7.990	08090	7.680	8.114	7.690	8.090
08015	7.805	8.027	7.815	8.015	08115	7.805	8.133	7.815	8.115	08215	7.805	8.239	7.815	8.215
08140	7.930	8.152	7.940	8.140	08240	7.930	8.258	7.940	8.240	08340	7.930	8.364	7.940	8.340
08265	8.055	8.277	8.065	8.265	08365	8.055	8.383	8.065	8.365	08465	8.055	8.489	8.065	8.465
08390	8.180	8.402	8.190	8.390	08490	8.180	8.508	8.190	8.490	08590	8.180	8.614	8.190	8.590
08515	8.305	8.527	8.315	8.515	08615	8.305	8.633	8.315	8.615	08715	8.305	8.739	8.315	8.715
08640	8.430	8.652	8.440	8.640	08740	8.430	8.758	8.440	8.740	08840	8.430	8.864	8.440	8.840
08765	8.555	8.777	8.565	8.765	08865	8.555	8.883	8.565	8.865	08965	8.555	8.989	8.565	8.965
08890	8.680	8.902	8.690	8.890	08990	8.680	9.008	8.690	8.990	09090	8.680	9.114	8.690	9.090
09015	8.805	9.027	8.815	9.015	09115	8.805	9.133	8.815	9.115	09215	8.805	9.239	8.815	9.215
09140	8.930	9.152	8.940	9.140	09240	8.930	9.258	8.940	9.240	09340	8.930	9.364	8.940	9.340
09265	9.055	9.277	9.065	9.265	09365	9.055	9.383	9.065	9.365	09465	9.055	9.489	9.065	9.465
09390	9.180	9.402	9.190	9.390	09490	9.180	9.508	9.190	9.490	09590	9.180	9.614	9.190	9.590
09515	9.305	9.527	9.315	9.515	09615	9.305	9.633	9.315	9.615	09715	9.305	9.739	9.315	9.715
09640	9.430	9.652	9.440	9.640	09740	9.430	9.758	9.440	9.740	09840	9.430	9.864	9.440	9.840
09765	9.555	9.777	9.565	9.765	09865	9.555	9.883	9.565	9.865	09965	9.555	9.989	9.565	9.965
09890	9.680	9.902	9.690	9.890	09990	9.680	10.008	9.690	9.990	10090	9.680	10.114	9.690	10.090
10015	9.805	10.027	9.815	10.015	10115	9.805	10.133	9.815	10.115	10215	9.805	10.239	9.815	10.215
10140	9.930	10.152	9.940	10.140	10240	9.930	10.258	9.940	10.240	10340	9.930	10.364	9.940	10.340
10265	10.055	10.277	10.065	10.265	10365	10.055	10.383	10.065	10.365	10465	10.055	10.489	10.065	10.465
	(MAX)	+0.006 -0.000	(MIN)	+0.000 -0.012		(MAX)	+0.006 -0.000	(MIN)	+0.000 -0.012		(MAX)	+0.006 -0.000	(MIN)	+0.000 -0.012
10390	10.180	10.402	10.190	10.390	10490	10.180	10.508	10.190	10.490	10590	10.180	10.614	10.190	10.590
10515	10.305	10.527	10.315	10.515	10615	10.305	10.633	10.315	10.615	10715	10.305	10.739	10.315	10.715
10640	10.430	10.652	10.440	10.640	10740	10.430	10.758	10.440	10.740	10840	10.430	10.864	10.440	10.840
10765	10.555	10.777	10.565	10.765	10865	10.555	10.883	10.565	10.865	10965	10.555	10.989	10.565	10.965
10890	10.680	10.902	10.690	10.890	10990	10.680	11.008	10.690	10.990	11090	10.680	11.114	10.690	11.090
11015	10.805	11.027	10.815	11.015	11115	10.805	11.133	10.815	11.115	11215	10.805	11.239	10.815	11.215
11140	10.930	11.152	10.940	11.140	11240	10.930	11.258	10.940	11.240	11340	10.930	11.364	10.940	11.340
11265	11.055	11.277	11.065	11.265	11365	11.055	11.383	11.065	11.365	11465	11.055	11.489	11.065	11.465
11390	11.180	11.402	11.190	11.390	11490	11.180	11.508	11.190	11.490	11590	11.180	11.614	11.190	11.590
11515	11.305	11.527	11.315	11.515	11615	11.305	11.633	11.315	11.615	11715	11.305	11.739	11.315	11.715
11640	11.430	11.652	11.440	11.640	11740	11.430	11.758	11.440	11.740	11840	11.430	11.864	11.440	11.840

Seal dimensions in inches, prior to plating or coating

See page 5, Table 4 for Super C-Seals to suit these cavities.

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

FREE HEIGHT .125					FREE HEIGHT .188					FREE HEIGHT .250				
SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.		I.D.	O.D.	I.D.	O.D.		I.D.	O.D.	I.D.	O.D.
	(MAX)	+0.008 -0.000	(MIN)	+0.000 -0.012		(MAX)	+0.008 -0.000	(MIN)	+0.000 -0.012		(MAX)	+0.008 -0.000	(MIN)	+0.000 -0.012
11765	11.555	11.777	11.565	11.765	11865	11.555	11.883	11.565	11.865	11965	11.555	11.989	11.565	11.965
11890	11.680	11.902	11.690	11.890	11990	11.680	12.008	11.690	11.990	12090	11.680	12.114	11.690	12.090
12015	11.805	12.027	11.815	12.015	12115	11.805	12.133	11.815	12.115	12215	11.805	12.239	11.815	12.215
12140	11.930	12.152	11.940	12.140	12240	11.930	12.258	11.940	12.240	12340	11.930	12.364	11.940	12.340
12265	12.055	12.277	12.065	12.265	12365	12.055	12.383	12.065	12.365	12465	12.055	12.489	12.065	12.465
12390	12.180	12.402	12.190	12.390	12490	12.180	12.508	12.190	12.490	12590	12.180	12.614	12.190	12.590
12515	12.305	12.527	12.315	12.515	12615	12.305	12.633	12.315	12.615	12715	12.305	12.739	12.315	12.715
12640	12.430	12.652	12.440	12.640	12740	12.430	12.758	12.440	12.740	12840	12.430	12.864	12.440	12.840
12765	12.555	12.777	12.565	12.765	12865	12.555	12.883	12.565	12.865	12965	12.555	12.989	12.565	12.965
12890	12.680	12.902	12.690	12.890	12990	12.680	13.008	12.690	12.990	13090	12.680	13.114	12.690	13.090
13015	12.805	13.027	12.815	13.015	13115	12.805	13.133	12.815	13.115	13215	12.805	13.239	12.815	13.215
13140	12.930	13.152	12.940	13.140	13240	12.930	13.258	12.940	13.240	13340	12.930	13.364	12.940	13.340
13265	13.055	13.277	13.065	13.265	13365	13.055	13.383	13.065	13.365	13465	13.055	13.489	13.065	13.465
13390	13.180	13.402	13.190	13.390	13490	13.180	13.508	13.190	13.490	13590	13.180	13.614	13.190	13.590
13515	13.305	13.527	13.315	13.515	13615	13.305	13.633	13.315	13.615	13715	13.305	13.739	13.315	13.715
13640	13.430	13.652	13.440	13.640	13740	13.430	13.758	13.440	13.740	13840	13.430	13.864	13.440	13.840
13765	13.555	13.777	13.565	13.765	13865	13.555	13.883	13.565	13.865	13965	13.555	13.989	13.565	13.965
13890	13.680	13.902	13.690	13.890	13990	13.680	14.008	13.690	13.990	14090	13.680	14.114	13.690	14.090
14015	13.805	14.027	13.815	14.015	14115	13.805	14.133	13.815	14.115	14215	13.805	14.239	13.815	14.215
14140	13.930	14.152	13.940	14.140	14240	13.930	14.258	13.940	14.240	14340	13.930	14.364	13.940	14.340
14265	14.055	14.277	14.065	14.265	14365	14.055	14.383	14.065	14.365	14465	14.055	14.489	14.065	14.465
14390	14.180	14.402	14.190	14.390	14490	14.180	14.508	14.190	14.490	14590	14.180	14.614	14.190	14.590
14515	14.305	14.527	14.315	14.515	14615	14.305	14.633	14.315	14.615	14715	14.305	14.739	14.315	14.715
14640	14.430	14.652	14.440	14.640	14740	14.430	14.758	14.440	14.740	14840	14.430	14.864	14.440	14.840
14765	14.555	14.777	14.565	14.765	14865	14.555	14.883	14.565	14.865	14965	14.555	14.989	14.565	14.965
14890	14.680	14.902	14.690	14.890	14990	14.680	15.008	14.690	14.990	15090	14.680	15.114	14.690	15.090
15015	14.805	15.027	14.815	15.015	15115	14.805	15.133	14.815	15.115	15215	14.805	15.239	14.815	15.215
15140	14.930	15.152	14.940	15.140	15240	14.930	15.258	14.940	15.240	15340	14.930	15.364	14.940	15.340
15265	15.055	15.277	15.065	15.265	15365	15.055	15.383	15.065	15.365	15465	15.055	15.489	15.065	15.465
	(MAX)	+0.010 -0.000	(MIN)	+0.000 -0.015		(MAX)	+0.010 -0.000	(MIN)	+0.000 -0.015		(MAX)	+0.010 -0.000	(MIN)	+0.000 -0.015
15390	15.180	15.402	15.190	15.390	15490	15.180	15.508	15.190	15.490	15590	15.180	15.614	15.190	15.590
15515	15.305	15.527	15.315	15.515	15615	15.305	15.633	15.315	15.615	15715	15.305	15.739	15.315	15.715
15640	15.430	15.652	15.440	15.640	15740	15.430	15.758	15.440	15.740	15840	15.430	15.864	15.440	15.840
15765	15.555	15.777	15.565	15.765	15865	15.555	15.883	15.565	15.865	15965	15.555	15.989	15.565	15.965

Seal dimensions in inches, prior to plating or coating

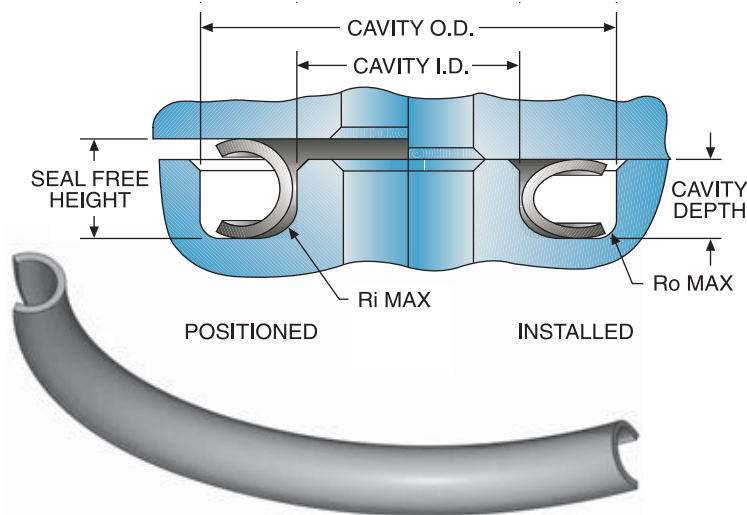
See page 5, Table 4 for Super C-Seals to suit these cavities.

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE HEIGHT .125				FREE HEIGHT .188				FREE HEIGHT .250						
	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL		SEAL DIA. CODE	CAVITY		SEAL		
	I.D.	O.D.	I.D.	O.D.		I.D.	O.D.	I.D.	O.D.		I.D.	O.D.			
(MAX)	+010 -000	(MIN)	+000 -015	(MAX)	+010 -000	(MIN)	+000 -015	(MAX)	+010 -000	(MIN)	+000 -015	(MAX)	+010 -000	(MIN)	+000 -015
15890	15.680	15.902	15.690	15.890	15990	15.680	16.008	15.690	15.990	16090	15.680	16.114	15.690	16.090	
16015	15.805	16.027	15.815	16.015	16115	15.805	16.133	15.815	16.115	16215	15.805	16.239	15.815	16.215	
16140	15.930	16.152	15.940	16.140	16240	15.930	16.258	15.940	16.240	16340	15.930	16.364	15.940	16.340	
16265	16.055	16.277	16.065	16.265	16365	16.055	16.383	16.065	16.365	16465	16.055	16.489	16.065	16.465	
16390	16.180	16.402	16.190	16.390	16490	16.180	16.508	16.190	16.490	16590	16.180	16.614	16.190	16.590	
16515	16.305	16.527	16.315	16.515	16615	16.305	16.633	16.315	16.615	16715	16.305	16.739	16.315	16.715	
16640	16.430	16.652	16.440	16.640	16740	16.430	16.758	16.440	16.740	16840	16.430	16.864	16.440	16.840	
16765	16.555	16.777	16.565	16.765	16865	16.555	16.883	16.565	16.865	16965	16.555	16.989	16.565	16.965	
16890	16.680	16.902	16.690	16.890	16990	16.680	17.008	16.690	16.990	17090	16.680	17.114	16.690	17.090	
17015	16.805	17.027	16.815	17.015	17115	16.805	17.133	16.815	17.115	17215	16.805	17.239	16.815	17.215	
17140	16.930	17.152	16.940	17.140	17240	16.930	17.258	16.940	17.240	17340	16.930	17.364	16.940	17.340	
17265	17.055	17.277	17.065	17.265	17365	17.055	17.383	17.065	17.365	17465	17.055	17.489	17.065	17.465	
17390	17.180	17.402	17.190	17.390	17490	17.180	17.508	17.190	17.490	17590	17.180	17.614	17.190	17.590	
17515	17.305	17.527	17.315	17.515	17615	17.305	17.633	17.315	17.615	17715	17.305	17.739	17.315	17.715	
17640	17.430	17.652	17.440	17.640	17740	17.430	17.758	17.440	17.740	17840	17.430	17.864	17.440	17.840	
17765	17.555	17.777	17.565	17.765	17865	17.555	17.883	17.565	17.865	17965	17.555	17.989	17.565	17.965	
17890	17.680	17.902	17.690	17.890	17990	17.680	18.008	17.690	17.990	18090	17.680	18.114	17.690	18.090	
18015	17.805	18.027	17.815	18.015	18115	17.805	18.133	17.815	18.115	18215	17.805	18.239	17.815	18.215	
18140	17.930	18.152	17.940	18.140	18240	17.930	18.258	17.940	18.240	18340	17.930	18.364	17.940	18.340	
18265	18.055	18.277	18.065	18.265	18365	18.055	18.383	18.065	18.365	18465	18.055	18.489	18.065	18.465	
18390	18.180	18.402	18.190	18.390	18490	18.180	18.508	18.190	18.490	18590	18.180	18.614	18.190	18.590	
18515	18.305	18.527	18.315	18.515	18615	18.305	18.633	18.315	18.615	18715	18.305	18.739	18.315	18.715	
18640	18.430	18.652	18.440	18.640	18740	18.430	18.758	18.440	18.740	18840	18.430	18.864	18.440	18.840	
18765	18.555	18.777	18.565	18.765	18865	18.555	18.883	18.565	18.865	18965	18.555	18.989	18.565	18.965	
18890	18.680	18.902	18.690	18.890	18990	18.680	19.008	18.690	18.990	19090	18.680	19.114	18.690	19.090	
19015	18.805	19.027	18.815	19.015	19115	18.805	19.133	18.815	19.115	19215	18.805	19.239	18.815	19.215	
19140	18.930	19.152	18.940	19.140	19240	18.930	19.258	18.940	19.240	19340	18.930	19.364	18.940	19.340	
19265	19.055	19.277	19.065	19.265	19365	19.055	19.383	19.065	19.365	19465	19.055	19.489	19.065	19.465	
19390	19.180	19.402	19.190	19.390	19490	19.180	19.508	19.190	19.490	19590	19.180	19.614	19.190	19.590	
19515	19.305	19.527	19.315	19.515	19615	19.305	19.633	19.315	19.615	19715	19.305	19.739	19.315	19.715	
19640	19.430	19.652	19.440	19.640	19740	19.430	19.758	19.440	19.740	19840	19.430	19.864	19.440	19.840	
19765	19.555	19.777	19.565	19.765	19865	19.555	19.883	19.565	19.865	19965	19.555	19.989	19.565	19.965	
19890	19.680	19.902	19.690	19.890	19990	19.680	20.008	19.690	19.990	20090	19.680	20.114	19.690	20.090	
20015	19.805	20.027	19.815	20.015	20115	19.805	20.133	19.815	20.115	20215	19.805	20.239	19.815	20.215	
20140	19.930	20.152	19.940	20.140	20240	19.930	20.258	19.940	20.240	20340	19.930	20.364	19.940	20.340	

Seal dimensions in inches, prior to plating or coating

Alternative JSI Super C-Seals and JTI Two-Ply Super C-Seals are interchangeable with standard JCI C-Seals and provide increased springback. The JTI series also has higher pressure ratings. See Page 5, Table 4.



- See page 5 for all dimensions and tolerances other than those for diameters.
- Seal diameters are average. See roundness table.
- See page 7 for installations loads and performance data.
- Standard sizes are presented. Non-standard diameters may be derived by interpolation. Tooling engineering charges may apply.
- External cavity wall optional.

P/N: JCE

seal type or JSE or JTE diameter code derived from seal I.D., Pages 15 to 21 cross-section Page 5 material Page 5 heat treatment Page 5 plating Page 6

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE HEIGHT .063				FREE HEIGHT .094				FREE HEIGHT .125			
	CAVITY I.D.		SEAL O.D.		CAVITY I.D.		SEAL O.D.		CAVITY I.D.		SEAL O.D.	
	+0.000 -0.002	(MIN)	+0.000 -0.002	(MAX)	+0.000 -0.002	(MIN)	+0.000 -0.002	(MAX)	+0.000 -0.002	(MIN)	+0.000 -0.002	(MAX)
00128	.116	.244	.128	.233								
00159	.147	.275	.159	.264								
00191	.179	.307	.191	.296	.179	.366	.191	.351				
00221	.209	.338	.221	.327	.209	.397	.221	.381				
00252	.240	.369	.252	.358	.240	.428	.252	.412				
00283	.271	.400	.283	.389	.271	.459	.283	.443				
00315	.303	.432	.315	.421	.303	.491	.315	.475				
00346	.334	.463	.346	.452	.334	.522	.346	.506				
00377	.365	.494	.377	.483	.365	.553	.377	.537				
00408	.396	.525	.408	.514	.396	.584	.408	.568				
00440	.428	.557	.440	.546	.428	.616	.440	.600				
00471	.459	.588	.471	.577	.459	.647	.471	.631				
00502	.490	.619	.502	.608	.490	.678	.502	.662				
00533	.521	.650	.533	.639	.521	.709	.533	.693				
00565	.553	.682	.565	.671	.553	.741	.565	.725				
00596	.584	.713	.596	.702	.584	.772	.596	.756				
00627	.615	.744	.627	.733	.615	.803	.627	.787				
00658	.646	.775	.658	.764	.646	.834	.658	.818				
00689	.677	.807	.689	.796	.677	.866	.689	.849				
00721	.709	.838	.721	.827	.709	.897	.721	.881				
	+0.000 -0.002	(MIN)	+0.003 -0.000	(MAX)	+0.000 -0.002	(MIN)	+0.003 -0.000	(MAX)	+0.000 -0.002	(MIN)	+0.003 -0.000	(MAX)
00752	.740	.869	.752	.858	.740	.928	.752	.912	.740	.987	.752	.953
00783	.771	.900	.783	.889	.771	.959	.783	.943	.771	1.018	.783	.984
00815	.803	.932	.815	.921	.803	.991	.815	.975	.803	1.050	.815	1.016

On this page, seal diameter is common for all free heights. Seal dimensions in inches, prior to plating or coating

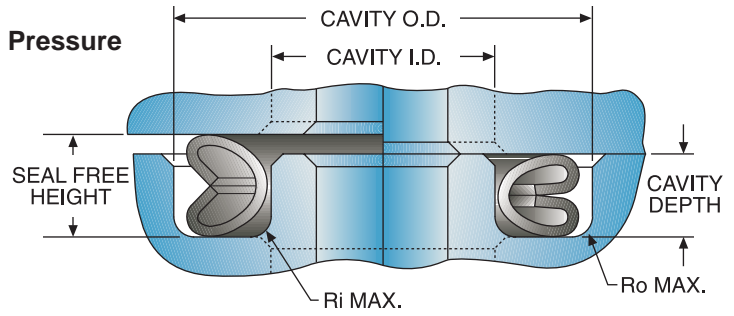
THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE HEIGHT .063				FREE HEIGHT .094				FREE HEIGHT .125			
	CAVITY		SEAL		CAVITY		SEAL		CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
	+0.00 -0.02	(MIN)	+0.03 -0.00	(MAX)	+0.00 -0.02	(MIN)	+0.03 -0.00	(MAX)	+0.00 -0.02	(MIN)	+0.03 -0.00	(MAX)
00846	.834	.963	.846	.952	.834	1.022	.846	1.006	.834	1.081	.846	1.047
00877	.865	.994	.877	.983	.865	1.053	.877	1.037	.865	1.112	.877	1.078
00908	.896	1.025	.908	1.014	.896	1.084	.908	1.068	.896	1.143	.908	1.104
00940	.928	1.057	.940	1.046	.928	1.116	.940	1.100	.928	1.175	.940	1.141
00971	.959	1.088	.971	1.077	.959	1.147	.971	1.131	.959	1.206	.971	1.172
01002	.990	1.119	1.002	1.108	.990	1.178	1.002	1.162	.990	1.237	1.002	1.203
01065	1.053	1.182	1.065	1.171	1.053	1.241	1.065	1.225	1.053	1.300	1.065	1.266
01127	1.115	1.244	1.127	1.233	1.115	1.303	1.127	1.287	1.115	1.362	1.127	1.328
01191	1.179	1.307	1.191	1.296	1.179	1.366	1.191	1.351	1.179	1.426	1.191	1.392
01252	1.240	1.369	1.252	1.358	1.240	1.428	1.252	1.412	1.240	1.487	1.252	1.453
01315	1.303	1.432	1.315	1.421	1.303	1.491	1.315	1.475	1.303	1.550	1.315	1.516
01377	1.365	1.494	1.377	1.483	1.365	1.553	1.377	1.537	1.365	1.612	1.377	1.578
01440	1.428	1.557	1.440	1.546	1.428	1.616	1.440	1.600	1.428	1.675	1.440	1.641
01502	1.490	1.619	1.502	1.608	1.490	1.678	1.502	1.662	1.490	1.737	1.502	1.703
01565	1.553	1.682	1.565	1.671	1.553	1.741	1.565	1.725	1.553	1.800	1.565	1.766
01627	1.615	1.744	1.627	1.733	1.615	1.803	1.627	1.787	1.615	1.862	1.627	1.828
01690	1.678	1.807	1.690	1.796	1.678	1.866	1.690	1.850	1.678	1.925	1.690	1.891
01752	1.740	1.869	1.752	1.858	1.740	1.928	1.752	1.912	1.740	1.987	1.752	1.953
01815	1.803	1.932	1.815	1.921	1.803	1.991	1.815	1.975	1.803	2.050	1.815	2.016
01877	1.865	1.994	1.877	1.983	1.865	2.053	1.877	2.037	1.865	2.112	1.877	2.078
01940	1.928	2.057	1.940	2.046	1.928	2.116	1.940	2.100	1.928	2.175	1.940	2.141
02003	1.991	2.119	2.003	2.108	1.991	2.178	2.003	2.163	1.991	2.237	2.003	2.203
02066	2.050	2.182	2.066	2.171	2.050	2.241	2.066	2.226	2.050	2.300	2.066	2.266
02128	2.112	2.244	2.128	2.233	2.112	2.303	2.128	2.288	2.112	2.362	2.128	2.328
02191	2.175	2.307	2.191	2.296	2.175	2.366	2.191	2.351	2.175	2.425	2.191	2.391
02253	2.237	2.369	2.253	2.358	2.237	2.428	2.253	2.413	2.237	2.487	2.253	2.453
02315	2.299	2.432	2.315	2.421	2.299	2.491	2.315	2.476	2.299	2.550	2.315	2.515
02378	2.362	2.494	2.378	2.483	2.362	2.553	2.378	2.538	2.362	2.612	2.378	2.578
02441	2.425	2.557	2.441	2.546	2.425	2.616	2.441	2.601	2.425	2.675	2.441	2.641
02503	2.487	2.619	2.503	2.608	2.487	2.678	2.503	2.663	2.487	2.737	2.503	2.703
02566	2.550	2.682	2.566	2.671	2.550	2.741	2.566	2.726	2.550	2.800	2.566	2.766
02628	2.612	2.744	2.628	2.733	2.612	2.803	2.628	2.788	2.612	2.862	2.628	2.828
02691	2.675	2.807	2.691	2.796	2.675	2.866	2.691	2.851	2.675	2.925	2.691	2.891

On this page, seal diameter code is common for all free heights. Seal dimensions in inches, prior to plating or coating

JSE Super C-Seals and JTE Two-Ply Super C-Seals are interchangeable with standard JCE C-Seals and provide increased springback. The JTE Series also has higher pressure ratings. See page 5, Table 4.

Alternative: JSE Super C-Seal, External Pressure



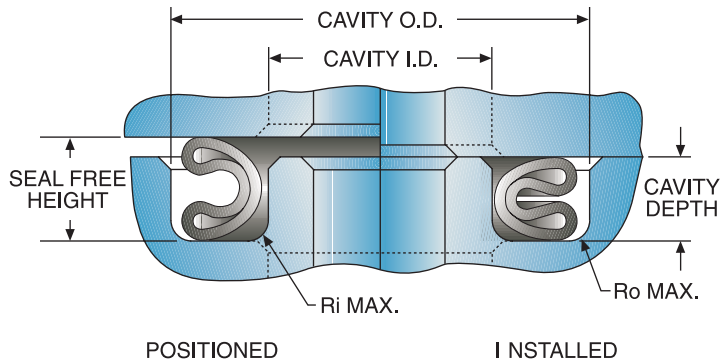
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THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE HEIGHT .063				FREE HEIGHT .094				FREE HEIGHT .125			
	CAVITY		SEAL		CAVITY		SEAL		CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
	+0.000 -0.003	(MIN)	+0.004 -0.000	(MAX)	+0.000 -0.003	(MIN)	+0.004 -0.000	(MAX)	+0.000 -0.003	(MIN)	+0.004 -0.000	(MAX)
02753	2.737	2.869	2.753	2.858	2.737	2.928	2.753	2.913	2.737	2.987	2.753	2.953
02816	2.800	2.932	2.816	2.921	2.800	2.991	2.816	2.976	2.800	3.050	2.816	3.016
02878	2.862	2.994	2.878	2.983	2.862	3.053	2.878	3.038	2.862	3.112	2.878	3.078
02941	2.925	3.057	2.941	3.046	2.925	3.116	2.941	3.101	2.925	3.175	2.941	3.141
03003	2.987	3.119	3.003	3.108	2.987	3.178	3.003	3.163	2.987	3.237	3.003	3.203
	+0.000 -0.004	(MIN)	+0.005 -0.000	(MAX)	+0.000 -0.004	(MIN)	+0.005 -0.000	(MAX)	+0.000 -0.004	(MIN)	+0.005 -0.000	(MAX)
03066	3.050	3.182	3.066	3.171	3.050	3.241	3.066	3.226	3.050	3.300	3.066	3.266
03128	3.112	3.244	3.128	3.233	3.112	3.303	3.128	3.288	3.112	3.362	3.128	3.328
03191	3.175	3.307	3.191	3.296	3.175	3.366	3.191	3.351	3.175	3.425	3.191	3.391
03253	3.237	3.369	3.253	3.358	3.237	3.428	3.253	3.413	3.237	3.487	3.253	3.453
03316	3.300	3.432	3.316	3.421	3.300	3.491	3.316	3.476	3.300	3.550	3.316	3.516
03378	3.362	3.494	3.378	3.483	3.362	3.553	3.378	3.538	3.362	3.612	3.378	3.578
03441	3.425	3.557	3.441	3.546	3.425	3.616	3.441	3.601	3.425	3.675	3.441	3.641
03503	3.487	3.619	3.503	3.608	3.487	3.678	3.503	3.663	3.487	3.737	3.503	3.703
SEAL DIA. CODE	FREE HEIGHT .125				FREE HEIGHT .188				FREE HEIGHT .250			
	CAVITY		SEAL		CAVITY		SEAL		CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
	+0.000 -0.004	(MIN)	+0.006 -0.000	(MAX)	+0.000 -0.004	(MIN)	+0.006 -0.000	(MAX)	+0.000 -0.004	(MIN)	+0.006 -0.000	(MAX)
03566	3.550	3.800	3.566	3.766	3.550	3.919	3.566	3.867				
03628	3.612	3.862	3.628	3.828	3.612	3.981	3.628	3.929				
03691	3.675	3.925	3.691	3.891	3.675	4.044	3.691	3.992				
03753	3.737	3.987	3.753	3.953	3.737	4.106	3.753	4.054				
03816	3.800	4.050	3.816	4.016	3.800	4.169	3.816	4.117				
03878	3.862	4.112	3.878	4.078	3.862	4.231	3.878	4.179				
03941	3.925	4.175	3.941	4.141	3.925	4.294	3.941	4.242				
04003	3.987	4.237	4.003	4.203	3.987	4.356	4.003	4.304	3.987	4.475	4.003	4.405
04066	4.046	4.300	4.066	4.266	4.046	4.419	4.066	4.367	4.046	4.538	4.066	4.468
04128	4.108	4.362	4.128	4.328	4.108	4.481	4.128	4.429	4.108	4.600	4.128	4.530
04191	4.171	4.425	4.191	4.391	4.171	4.544	4.191	4.492	4.171	4.663	4.191	4.593
04253	4.233	4.487	4.253	4.453	4.233	4.606	4.253	4.554	4.233	4.725	4.253	4.655
04316	4.296	4.550	4.316	4.516	4.296	4.669	4.316	4.617	4.296	4.788	4.316	4.718
04378	4.358	4.612	4.378	4.578	4.358	4.731	4.378	4.679	4.358	4.850	4.378	4.780
04441	4.421	4.675	4.441	4.641	4.421	4.794	4.441	4.742	4.421	4.913	4.441	4.843
04503	4.483	4.737	4.503	4.703	4.483	4.856	4.503	4.804	4.483	4.975	4.503	4.905

On this page, seal diameter is common for all free heights. Seal dimensions in inches, prior to plating or coating

Alternative: JTE Two-Ply Super C-Seal, External Pressure



THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE HEIGHT .125				FREE HEIGHT .188				FREE HEIGHT .250			
	CAVITY		SEAL		CAVITY		SEAL		CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
	+0.000 -0.004	(MIN)	+0.006 -0.000	(MAX)	+0.000 -0.004	(MIN)	+0.006 -0.000	(MAX)	+0.000 -0.004	(MIN)	+0.006 -0.000	(MAX)
04566	4.546	4.800	4.566	4.766	4.546	4.919	4.566	4.867	4.546	5.038	4.566	4.968
04628	4.608	4.862	4.628	4.828	4.608	4.981	4.628	4.929	4.608	5.100	4.628	5.030
04691	4.671	4.925	4.691	4.891	4.671	5.044	4.691	4.992	4.671	5.163	4.691	5.093
04753	4.733	4.987	4.753	4.953	4.733	5.106	4.753	5.054	4.733	5.225	4.753	5.155
04816	4.796	5.050	4.816	5.016	4.796	5.169	4.816	5.117	4.796	5.288	4.816	5.218
04878	4.858	5.112	4.878	5.078	4.858	5.231	4.878	5.179	4.858	5.350	4.878	5.280
04941	4.921	5.175	4.941	5.141	4.921	5.294	4.941	5.242	4.921	5.413	4.941	5.343
05003	4.983	5.237	5.003	5.203	4.983	5.356	5.003	5.304	4.983	5.475	5.003	5.405
05066	5.046	5.300	5.066	5.266	5.046	5.419	5.066	5.367	5.046	5.538	5.066	5.468
05128	5.108	5.362	5.128	5.328	5.108	5.481	5.128	5.429	5.108	5.600	5.128	5.530
05191	5.171	5.425	5.191	5.391	5.171	5.544	5.191	5.492	5.171	5.663	5.191	5.593
05253	5.233	5.487	5.253	5.453	5.233	5.606	5.253	5.554	5.233	5.725	5.253	5.655
05316	5.296	5.550	5.316	5.516	5.296	5.669	5.316	5.617	5.296	5.788	5.316	5.718
05378	5.358	5.612	5.378	5.578	5.358	5.731	5.378	5.679	5.358	5.850	5.378	5.780
05441	5.421	5.675	5.441	5.641	5.421	5.794	5.441	5.742	5.421	5.913	5.441	5.843
05503	5.483	5.737	5.503	5.703	5.483	5.856	5.503	5.804	5.483	5.975	5.503	5.905
05566	5.546	5.800	5.566	5.766	5.546	5.919	5.566	5.867	5.546	6.038	5.566	5.968
05628	5.608	5.862	5.628	5.828	5.608	5.981	5.628	5.929	5.608	6.100	5.628	6.030
05753	5.733	5.987	5.753	5.953	5.733	6.106	5.753	6.054	5.733	6.225	5.753	6.155
05878	5.858	6.112	5.878	6.078	5.858	6.231	5.878	6.179	5.858	6.350	5.878	6.280
06003	5.983	6.237	6.003	6.203	5.983	6.356	6.003	6.304	5.983	6.475	6.003	6.405
06128	6.108	6.362	6.128	6.328	6.108	6.481	6.128	6.429	6.108	6.600	6.128	6.530
06253	6.233	6.487	6.253	6.453	6.233	6.606	6.253	6.554	6.233	6.725	6.253	6.655
06378	6.358	6.612	6.378	6.578	6.358	6.731	6.378	6.679	6.358	6.850	6.378	6.780
06503	6.483	6.737	6.503	6.703	6.483	6.856	6.503	6.804	6.483	6.975	6.503	6.905
06628	6.608	6.862	6.628	6.828	6.608	6.981	6.628	6.929	6.608	7.100	6.628	7.030
06753	6.733	6.987	6.753	6.953	6.733	7.106	6.753	7.054	6.733	7.225	6.753	7.155
06878	6.858	7.112	6.878	7.078	6.858	7.231	6.878	7.179	6.858	7.350	6.878	7.280
07003	6.983	7.237	7.003	7.203	6.983	7.356	7.003	7.304	6.983	7.475	7.003	7.405
	+0.000 -0.005	(MIN)	+0.008 -0.000	(MAX)	+0.000 -0.005	(MIN)	+0.008 -0.000	(MAX)	+0.000 -0.005	(MIN)	+0.008 -0.000	(MAX)
07128	7.108	7.362	7.128	7.328	7.108	7.481	7.128	7.429	7.108	7.600	7.128	7.530
07253	7.233	7.487	7.253	7.453	7.233	7.606	7.253	7.554	7.233	7.725	7.253	7.655

On this page, seal diameter is common for all free heights. Seal dimensions in inches, prior to plating or coating

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE HEIGHT .125				FREE HEIGHT .188				FREE HEIGHT .250			
	CAVITY		SEAL		CAVITY		SEAL		CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
	+0.000 -0.008	(MIN)	+0.008 -0.000	(MAX)	+0.000 -0.008	(MIN)	+0.008 -0.000	(MAX)	+0.000 -0.008	(MIN)	+0.008 -0.000	(MAX)
07378	7.358	7.612	7.378	7.578	7.358	7.731	7.378	7.679	7.358	7.850	7.378	7.780
07503	7.483	7.737	7.503	7.703	7.483	7.856	7.503	7.804	7.483	7.975	7.503	7.905
07628	7.608	7.862	7.628	7.828	7.608	7.981	7.628	7.929	7.608	8.100	7.628	8.030
07753	7.733	7.987	7.753	7.953	7.733	8.106	7.753	8.054	7.733	8.225	7.753	8.155
07878	7.858	8.112	7.878	8.078	7.858	8.231	7.878	8.179	7.858	8.350	7.878	8.280
08003	7.983	8.237	8.003	8.203	7.983	8.356	8.003	8.304	7.983	8.475	8.003	8.405
08128	8.108	8.362	8.128	8.328	8.108	8.481	8.128	8.429	8.108	8.600	8.128	8.530
08253	8.233	8.487	8.253	8.453	8.233	8.606	8.253	8.554	8.233	8.725	8.253	8.655
08378	8.358	8.612	8.378	8.578	8.358	8.731	8.378	8.679	8.358	8.850	8.378	8.780
08503	8.483	8.737	8.503	8.703	8.483	8.856	8.503	8.804	8.483	8.975	8.503	8.905
08628	8.608	8.862	8.628	8.828	8.608	8.981	8.628	8.929	8.608	9.100	8.628	9.030
08753	8.733	8.987	8.753	8.953	8.733	9.106	8.753	9.054	8.733	9.225	8.753	9.155
08878	8.858	9.112	8.878	9.078	8.858	9.231	8.878	9.179	8.858	9.350	8.878	9.280
09003	8.983	9.237	9.003	9.203	8.983	9.356	9.003	9.304	8.983	9.475	9.003	9.405
09128	9.108	9.362	9.128	9.328	9.108	9.481	9.128	9.429	9.108	9.600	9.128	9.530
09253	9.233	9.487	9.253	9.453	9.233	9.606	9.253	9.554	9.233	9.725	9.253	9.655
09378	9.358	9.612	9.378	9.578	9.358	9.731	9.378	9.679	9.358	9.850	9.378	9.780
09503	9.483	9.737	9.503	9.703	9.483	9.856	9.503	9.804	9.483	9.975	9.503	9.905
09628	9.608	9.862	9.628	9.828	9.608	9.981	9.628	9.929	9.608	10.100	9.628	10.030
09753	9.733	9.987	9.753	9.953	9.733	10.106	9.753	10.054	9.733	10.225	9.753	10.155
09878	9.858	10.112	9.878	10.078	9.858	10.231	9.878	10.179	9.858	10.350	9.878	10.280
10003	9.983	10.237	10.003	10.203	9.983	10.356	10.003	10.304	9.983	10.475	10.003	10.405
	+0.000 -0.008	(MIN)	+0.010 -0.000	(MAX)	+0.000 -0.008	(MIN)	+0.010 -0.000	(MAX)	+0.000 -0.008	(MIN)	+0.010 -0.000	(MAX)
10128	10.108	10.362	10.128	10.328	10.108	10.481	10.128	10.429	10.108	10.600	10.128	10.530
10253	10.233	10.487	10.253	10.453	10.233	10.606	10.253	10.554	10.233	10.725	10.253	10.655
10378	10.358	10.612	10.378	10.578	10.358	10.731	10.378	10.679	10.358	10.850	10.378	10.780
10503	10.483	10.737	10.503	10.703	10.483	10.856	10.503	10.804	10.483	10.975	10.503	10.905
10628	10.608	10.862	10.628	10.828	10.608	10.981	10.628	10.929	10.608	11.100	10.628	11.030
10753	10.733	10.987	10.753	10.953	10.733	11.106	10.753	11.054	10.733	11.225	10.753	11.155
10878	10.858	11.112	10.878	11.078	10.858	11.231	10.878	11.179	10.858	11.350	10.878	11.280
11003	10.983	11.237	11.003	11.203	10.983	11.356	11.003	11.304	10.983	11.475	11.003	11.405
11128	11.108	11.362	11.128	11.328	11.108	11.481	11.128	11.429	11.108	11.600	11.128	11.530
11253	11.233	11.487	11.253	11.453	11.233	11.606	11.253	11.554	11.233	11.725	11.253	11.655
11378	11.358	11.612	11.378	11.578	11.358	11.731	11.378	11.679	11.358	11.850	11.378	11.780

On this page, seal diameter is common for all free heights. Seal dimensions in inches, prior to plating or coating

Alternative JSE Super C-Seals and JTE Two-Ply Super C-Seals are interchangeable with standard JCE C-Seals and provide increased springback. The JTE Series also has higher pressure ratings. See Page 5, Table 4.

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE HEIGHT .125				FREE HEIGHT .188				FREE HEIGHT .250			
	CAVITY		SEAL		CAVITY		SEAL		CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
	+0.00 -.008	(MIN)	+0.12 -.000	(MAX)	+0.00 -.008	(MIN)	+0.12 -.000	(MAX)	+0.00 -.008	(MIN)	+0.12 -.000	(MAX)
11503	11.483	11.737	11.503	11.703	11.483	11.856	11.503	11.804	11.483	11.975	11.503	11.905
11628	11.608	11.862	11.628	11.828	11.608	11.981	11.628	11.929	11.608	12.100	11.628	12.030
11753	11.733	11.987	11.753	11.953	11.733	12.106	11.753	12.054	11.733	12.225	11.753	12.155
11878	11.858	12.112	11.878	12.078	11.858	12.231	11.878	12.179	11.858	12.350	11.878	12.280
12003	11.983	12.237	12.003	12.203	11.983	12.356	12.003	12.304	11.983	12.475	12.003	12.405
12128	12.108	12.362	12.128	12.328	12.108	12.481	12.128	12.429	12.108	12.600	12.128	12.530
12253	12.233	12.487	12.253	12.453	12.233	12.606	12.253	12.554	12.233	12.725	12.253	12.655
12378	12.358	12.612	12.378	12.578	12.358	12.731	12.378	12.679	12.358	12.850	12.378	12.780
12503	12.483	12.737	12.503	12.703	12.483	12.856	12.503	12.804	12.483	12.975	12.503	12.905
12628	12.608	12.862	12.628	12.828	12.608	12.981	12.628	12.929	12.608	13.100	12.628	13.030
12753	12.733	12.987	12.753	12.953	12.733	13.106	12.753	13.054	12.733	13.225	12.753	13.155
12878	12.858	13.112	12.878	13.078	12.858	13.231	12.878	13.179	12.858	13.350	12.878	13.280
13003	12.983	13.237	13.003	13.203	12.983	13.356	13.003	13.304	12.983	13.475	13.003	13.405
13128	13.108	13.362	13.128	13.328	13.108	13.481	13.128	13.429	13.108	13.600	13.128	13.530
13253	13.233	13.487	13.253	13.453	13.233	13.606	13.253	13.554	13.233	13.725	13.253	13.655
13378	13.358	13.612	13.378	13.578	13.358	13.731	13.378	13.679	13.358	13.850	13.378	13.780
13503	13.483	13.737	13.503	13.703	13.483	13.856	13.503	13.804	13.483	13.975	13.503	13.905
13628	13.608	13.862	13.628	13.828	13.608	13.981	13.628	13.929	13.608	14.100	13.628	14.030
13753	13.733	13.987	13.753	13.953	13.733	14.106	13.753	14.054	13.733	14.225	13.753	14.155
13878	13.858	14.112	13.878	14.078	13.858	14.231	13.878	14.179	13.858	14.350	13.878	14.280
14003	13.983	14.237	14.003	14.203	13.983	14.356	14.003	14.304	13.983	14.475	14.003	14.405
14128	14.108	14.362	14.128	14.328	14.108	14.481	14.128	14.429	14.108	14.600	14.128	14.530
14253	14.233	14.487	14.253	14.453	14.233	14.606	14.253	14.554	14.233	14.725	14.253	14.655
14378	14.358	14.612	14.378	14.578	14.358	14.731	14.378	14.679	14.358	14.850	14.378	14.780
14503	14.483	14.737	14.503	14.703	14.483	14.856	14.503	14.804	14.483	14.975	14.503	14.905
14628	14.608	14.862	14.628	14.828	14.608	14.981	14.628	14.929	14.608	15.100	14.628	15.030
14753	14.733	14.987	14.753	14.953	14.733	15.106	14.753	15.054	14.733	15.225	14.753	15.155
14878	14.858	15.112	14.878	15.078	14.858	15.231	14.878	15.179	14.858	15.350	14.878	15.280
15003	14.983	15.237	15.003	15.203	14.983	15.356	15.003	15.304	14.983	15.475	15.003	15.405
	+0.00 -.010	(MIN)	+0.15 -.000	(MAX)	+0.00 -.010	(MIN)	+0.15 -.000	(MAX)	+0.00 -.010	(MIN)	+0.15 -.000	(MAX)
15128	15.108	15.362	15.128	15.328	15.108	15.481	15.128	15.429	15.108	15.600	15.128	15.530
15253	15.233	15.487	15.253	15.453	15.233	15.606	15.253	15.554	15.233	15.725	15.253	15.655
15378	15.358	15.612	15.378	15.578	15.358	15.731	15.378	15.679	15.358	15.850	15.378	15.780
15503	15.483	15.737	15.503	15.703	15.483	15.856	15.503	15.804	15.483	15.975	15.503	15.905

On this page, seal diameter is common for all free heights. Seal dimensions in inches, prior to plating or coating

Alternative JSE Super C-Seals and JTE Two-Ply Super C-Seals are interchangeable with standard JCE C-Seals and provide increased springback. The JTE Series also has higher pressure ratings. See Page 5, Table 4.

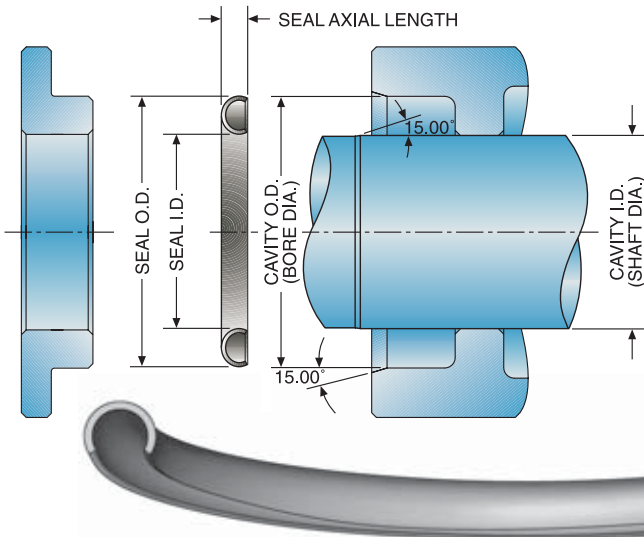
THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE HEIGHT .125				FREE HEIGHT .188				FREE HEIGHT .250			
	CAVITY		SEAL		CAVITY		SEAL		CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
	+0.000 -0.010	(MIN)	+0.015 -0.000	(MAX)	+0.000 -0.010	(MIN)	+0.015 -0.000	(MAX)	+0.000 -0.010	(MIN)	+0.015 -0.000	(MAX)
15628	15.608	15.862	15.628	15.855	15.608	15.981	15.628	15.945	15.608	16.100	15.628	16.030
15753	15.733	15.987	15.753	15.980	15.733	16.106	15.753	16.070	15.733	16.225	15.753	16.155
15878	15.858	16.112	15.878	16.105	15.858	16.231	15.878	16.195	15.858	16.350	15.878	16.280
16003	15.983	16.237	16.003	16.230	15.983	16.356	16.003	16.320	15.983	16.475	16.003	16.405
16128	16.108	16.362	16.128	16.355	16.108	16.481	16.128	16.445	16.108	16.600	16.128	16.530
16253	16.233	16.487	16.253	16.480	16.233	16.606	16.253	16.570	16.233	16.725	16.253	16.655
16378	16.358	16.612	16.378	16.605	16.358	16.731	16.378	16.695	16.358	16.850	16.378	16.780
16503	16.483	16.737	16.503	16.730	16.483	16.856	16.503	16.820	16.783	16.975	16.503	16.905
16628	16.608	16.862	16.628	16.855	16.608	16.981	16.628	16.945	16.608	17.100	16.628	17.030
16753	16.733	16.987	16.753	16.980	16.733	17.106	16.753	17.070	16.733	17.225	16.753	17.155
16878	16.858	17.112	16.878	17.105	16.858	17.231	16.878	17.195	16.858	17.350	16.878	17.280
17003	16.983	17.237	17.003	17.230	16.983	17.356	17.003	17.320	16.983	17.475	17.003	17.405
17128	17.108	17.362	17.128	17.355	17.108	17.481	17.128	17.445	17.108	17.600	17.128	17.530
17253	17.233	17.487	17.253	17.480	17.233	17.606	17.253	17.570	17.233	17.725	17.253	17.655
17378	17.358	17.612	17.378	17.605	17.358	17.731	17.378	17.695	17.358	17.850	17.378	17.780
17503	17.483	17.737	17.503	17.730	17.483	17.856	17.503	17.820	17.483	17.975	17.503	17.905
17628	17.608	17.862	17.628	17.855	17.608	17.981	17.628	17.945	17.608	18.100	17.628	18.030
17753	17.733	17.987	17.753	17.980	17.733	18.106	17.753	18.070	17.733	18.225	17.753	18.155
17878	17.858	18.112	17.878	18.105	17.858	18.231	17.878	18.195	17.858	18.350	17.878	18.280
18003	17.983	18.237	18.003	18.230	17.983	18.356	18.003	18.320	17.983	18.475	18.003	18.405
18128	18.108	18.362	18.128	18.355	18.108	18.481	18.128	18.445	18.108	18.600	18.128	18.530
18253	18.233	18.487	18.253	18.480	18.233	18.606	18.253	18.570	18.233	18.725	18.253	18.655
18378	18.358	18.612	18.378	18.605	18.358	18.731	18.378	18.695	18.358	18.850	18.378	18.780
18503	18.483	18.737	18.503	18.730	18.483	18.856	18.503	18.820	18.483	18.975	18.503	18.905
18628	18.608	18.862	18.628	18.855	18.608	18.981	18.628	18.945	18.608	19.100	18.628	19.030
18753	18.733	18.987	18.753	18.980	18.733	19.106	18.753	19.070	18.733	19.225	18.753	19.155
18878	18.858	19.112	18.878	19.105	18.858	19.231	18.878	19.195	18.858	19.350	18.878	19.280
19003	18.983	19.237	19.003	19.230	18.983	19.356	19.003	19.320	18.983	19.475	19.003	19.405
19128	19.108	19.362	19.128	19.355	19.108	19.481	19.128	19.445	19.108	19.600	19.128	19.530
19253	19.233	19.487	19.253	19.480	19.233	19.606	19.253	19.570	19.233	19.725	19.253	19.655
19378	19.358	19.612	19.378	19.605	19.358	19.731	19.378	19.695	19.358	19.850	19.378	19.780
19503	19.483	19.737	19.503	19.730	19.483	19.856	19.503	19.820	19.483	19.975	19.503	19.905
19628	19.608	19.862	19.628	19.855	19.608	19.981	19.628	19.945	19.608	20.100	19.628	20.030
19753	19.733	19.987	19.753	19.980	19.733	20.106	19.753	20.070	19.733	20.225	19.753	20.155
19878	19.858	20.112	19.878	20.105	19.858	20.231	19.878	20.195	19.858	20.350	19.878	20.280

On this page, seal diameter is common for all free heights. Seal dimensions in inches, prior to plating or coating

Alternative JSE Super C-Seals and JTE Two-Ply Super C-Seals are interchangeable with standard JCE C-Seals and provide increased springback. The JTE Series also has higher pressure ratings. See Page 5, Table 4.

JCA SERIES, COAXIAL (RADIAL INTERFERENCE) MULTI-PURPOSE C-SEALS



- Cavity dimensions provided on pages 22 and 23 are for static applications. For sliding/rotating applications, increase interference between non-sliding surfaces to prevent unintentional sliding/rotation at adverse tolerance conditions. See page 7 for performance data.
- Special coatings may be required for quasi-dynamic applications. Consult our technical support staff.
- Free seal diameters are average. See roundness table, page 7.
- Standard sizes are presented. Non-standard diameters may be derived by interpolation. Tooling engineering charges may apply.

P/N: JCA

seal type diameter code cross-section material heat treatment plating
derived from seal I.D., Pages 22 & 23 Page 5 Page 5 Page 5 Page 6

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE RADIAL WIDTH .063				FREE RADIAL WIDTH .094				FREE RADIAL WIDTH .125			
	CAVITY		SEAL		CAVITY		SEAL		CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
	+0.000	+0.001	+0.001	+0.001	+0.000	+0.001	+0.001	+0.001	+0.000	+0.001	+0.001	+0.001
	-0.001	-0.000	-0.001	-0.001	-0.001	-0.000	-0.001	-0.001	-0.001	-0.000	-0.001	-0.001
00184	.187	.310	.184	.313								
00247	.250	.373	.247	.376	.250	.435	.247	.438				
00309	.312	.435	.309	.438	.312	.498	.309	.501				
00372	.375	.498	.372	.501	.375	.560	.372	.563	.375	.623	.372	.626
00434	.437	.560	.434	.563	.437	.623	.434	.626	.437	.685	.434	.688
00497	.500	.623	.497	.626	.500	.685	.497	.688	.500	.748	.497	.751
00559	.562	.685	.559	.688	.562	.748	.559	.751	.562	.810	.559	.813
00622	.625	.748	.622	.751	.625	.810	.622	.813	.625	.873	.622	.876
00684	.687	.810	.684	.813	.687	.873	.684	.876	.687	.935	.684	.938
00747	.750	.873	.747	.876	.750	.935	.747	.938	.750	.998	.747	1.001
00809	.812	.935	.809	.938	.812	.998	.809	1.001	.812	1.060	.809	1.063
00872	.875	.998	.872	1.001	.875	1.060	.872	1.063	.875	1.123	.872	1.126
00934	.937	1.060	.934	1.063	.937	1.123	.934	1.126	.937	1.185	.934	1.188
00997	1.000	1.123	.997	1.126	1.000	1.185	.997	1.188	1.000	1.248	.997	1.251
01122	1.125	1.248	1.122	1.251	1.125	1.310	1.122	1.313	1.125	1.373	1.122	1.376
01247	1.250	1.373	1.247	1.376	1.250	1.435	1.247	1.438	1.250	1.498	1.247	1.501
01372	1.375	1.498	1.372	1.501	1.375	1.560	1.372	1.563	1.375	1.623	1.372	1.626
01497					1.500	1.685	1.497	1.688	1.500	1.748	1.497	1.751
01622					1.625	1.810	1.622	1.813	1.625	1.873	1.622	1.876
01747					1.750	1.935	1.747	1.938	1.750	1.998	1.747	2.001
01872					1.875	2.060	1.872	2.063	1.875	2.123	1.872	2.126
01997					2.000	2.185	1.997	2.188	2.000	2.248	1.997	2.251
02122					2.125	2.310	2.122	2.313	2.125	2.373	2.122	2.376
02247					2.250	2.435	2.247	2.438	2.250	2.498	2.247	2.501
02372					2.375	2.560	2.372	2.563	2.375	2.623	2.372	2.626
02497					2.500	2.685	2.497	2.688	2.500	2.748	2.497	2.751
02622					2.625	2.810	2.622	2.813	2.625	2.873	2.622	2.876
02474					2.750	2.935	2.747	2.938	2.750	2.998	2.747	3.001
02872					2.875	3.060	2.872	3.063	2.875	3.123	2.872	3.126

On this page, seal diameter is common for all free heights. Seal dimensions in inches, prior to plating or coating

MULTI-PURPOSE C-SEALS JCA SERIES, COAXIAL (RADIAL INTERFERENCE)

NOMINAL SEAL RADIAL SPAN	SEAL AXIAL LENGTH (MAX)	CAVITY AXIAL LENGTH	CAVITY CORNER RADIUS R (MAX)
.063	.058	.062-.094	.020
.094	.085	.093-.125	.030
.125	.110	.120-.150	.045
.188	.160	.175-210	.070
.250	.220	.240-.280	.090



- Perpendicularity of seal ring plane and cavity diameters must be maintained during assembly.
- Larger diameters available. Consult our technical support staff.
- Cavity mating surfaces: Static 16 RMS, 50 Rc
Dynamic 8 RMS, 65 Rc
- Concentricity & Runout: < 3,000: .001
> 3,000: .002

THESE ARE THE RECOMMENDED SEAL SIZES, HOWEVER, IT DOES NOT GUARANTEE TOOLING AVAILABILITY

SEAL DIA. CODE	FREE RADIAL WIDTH .125				FREE RADIAL WIDTH .188				FREE RADIAL WIDTH .250			
	CAVITY		SEAL		CAVITY		SEAL		CAVITY		SEAL	
	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
	+0.000	+0.002	+0.002	+0.002	+0.000	+0.002	+0.002	+0.002	+0.000	+0.002	+0.002	+0.002
	-0.002	-0.000	-0.002	-0.002	-0.002	-0.000	-0.002	-0.002	-0.002	-0.000	-0.002	-0.002
02995	3.000	3.244	2.995	3.249	3.000	3.369	2.995	3.374				
03120	3.125	3.369	3.120	3.374	3.125	3.494	3.120	3.499				
03245	3.250	3.494	3.245	3.499	3.250	3.619	3.245	3.624				
03370	3.375	3.619	3.370	3.624	3.375	3.744	3.370	3.749				
03495	3.500	3.744	3.495	3.749	3.500	3.869	3.495	3.874				
03620	3.625	3.869	3.620	3.874	3.625	3.994	3.620	3.999				
03745	3.750	3.994	3.745	3.999	3.750	4.119	3.745	4.124				
03870	3.875	4.119	3.870	4.124	3.875	4.244	3.870	4.249	3.875	4.369	3.870	4.374
03995	4.000	4.244	3.995	4.249	4.000	4.369	3.995	4.374	4.000	4.494	3.995	4.499
04120	4.125	4.369	4.120	4.374	4.125	4.494	4.120	4.499	4.125	4.619	4.120	4.624
04245	4.250	4.494	4.245	4.499	4.250	4.619	4.245	4.624	4.250	4.744	4.245	4.749
04370	4.375	4.619	4.370	4.624	4.375	4.744	4.370	4.749	4.375	4.869	4.370	4.874
04495	4.500	4.744	4.495	4.749	4.500	4.869	4.495	4.874	4.500	4.994	4.495	4.999
04620	4.625	4.869	4.620	4.874	4.625	4.994	4.620	4.999	4.625	5.119	4.620	5.124
04745	4.750	4.994	4.745	4.999	4.750	5.119	4.745	5.124	4.750	5.244	4.745	5.249
04870	4.875	5.119	4.870	5.124	4.875	5.244	4.870	5.249	4.875	5.369	4.870	5.374
04995	5.000	5.244	4.995	5.249	5.000	5.369	4.995	5.374	5.000	5.494	4.995	5.499
05120	5.125	5.369	5.120	5.374	5.125	5.494	5.120	5.499	5.125	5.619	5.120	5.624
05245	5.250	5.494	5.245	5.499	5.250	5.619	5.245	5.624	5.250	5.744	5.245	5.749
05370	5.375	5.619	5.370	5.624	5.375	5.744	5.370	5.749	5.375	5.869	5.370	5.874
05495	5.500	5.744	5.495	5.749	5.500	5.869	5.495	5.874	5.500	5.994	5.495	5.999
05620	5.625	5.869	5.620	5.874	5.625	5.994	5.620	5.999	5.625	6.119	5.620	6.124
05745	5.750	5.994	5.745	5.999	5.750	6.119	5.745	6.124	5.750	6.244	5.745	6.249
05870	5.875	6.119	5.870	6.124	5.875	6.244	5.870	6.249	5.875	6.369	5.870	6.374
05995	6.000	6.244	5.995	6.249	6.000	6.369	5.995	6.374	6.000	6.494	5.995	6.499

On this page, seal diameter is common for all free heights. Seal dimensions in inches, prior to plating or coating