

Preferred C-Ring Sizes Internal Pressure Face Seal

Parker C-rings and spring energized C-rings are available in a virtually unlimited number of sizes. Each uniquely sized seal is produced with tooling specifically made for that size. Choosing

one of the diameters listed below typically will result in a cost saving and reduced delivery times. The following is a list of the preferred C-ring and spring energized C-ring sizes.

Preferred C-Ring Sizes Internal Pressure Face Seal												
Seal Type	Free Height	Cross Section Code	Preferred Seal Diameters (all dimensions are in inches)									
			ECI	0.031	01 & 02	0.150	0.240	0.269	0.319	0.406	0.458	0.535
			0.185	0.255	0.287	0.322	0.412	0.465	0.543	0.695	0.785	0.961
			0.212	0.257	0.303	0.325	0.416	0.494	0.577	0.724	0.796	0.996
			0.216	0.259	0.304	0.327	0.432	0.506	0.580	0.748	0.817	1.034
			0.221	0.260	0.312	0.339	0.445	0.508	0.609	0.762	0.849	
			0.236	0.261	0.314	0.382	0.448	0.529	0.634	0.770	0.906	
ECI	0.047	03 & 04	0.310	0.413	0.573	0.721	0.886	0.950	1.205	1.550	1.959	4.467
			0.333	0.433	0.589	0.787	0.910	0.975	1.222	1.614	2.300	4.800
			0.344	0.437	0.631	0.808	0.912	1.004	1.282	1.637	2.309	
			0.352	0.444	0.659	0.812	0.926	1.005	1.369	1.642	2.802	
			0.378	0.451	0.670	0.819	0.930	1.138	1.378	1.689	3.427	
			0.381	0.481	0.694	0.843	0.946	1.142	1.519	1.911	3.890	
ECI	0.062	05 & 06	0.271	0.547	0.765	0.941	1.172	1.417	1.814	2.244	2.957	4.793
			0.309	0.571	0.779	0.949	1.181	1.420	1.816	2.270	2.982	5.144
			0.338	0.578	0.786	0.960	1.187	1.428	1.850	2.327	3.041	5.265
			0.346	0.590	0.787	0.972	1.223	1.442	1.870	2.337	3.071	5.427
			0.356	0.593	0.797	0.974	1.224	1.490	1.878	2.343	3.167	5.434
			0.380	0.601	0.800	0.984	1.238	1.497	1.884	2.380	3.285	5.518
			0.394	0.606	0.819	0.990	1.255	1.549	1.917	2.382	3.386	5.796
			0.397	0.612	0.827	0.993	1.277	1.555	1.926	2.387	3.667	5.799
			0.440	0.627	0.839	0.998	1.281	1.557	1.933	2.425	3.809	5.831
			0.463	0.638	0.850	1.004	1.290	1.566	1.958	2.497	3.841	6.250
			0.483	0.650	0.856	1.024	1.312	1.575	1.968	2.549	3.875	6.442
			0.492	0.669	0.858	1.050	1.320	1.593	1.997	2.560	3.936	6.642
			0.493	0.690	0.865	1.053	1.321	1.594	2.006	2.594	3.986	7.100
			0.498	0.692	0.866	1.062	1.325	1.620	2.059	2.625	3.990	7.367
			0.505	0.693	0.876	1.063	1.328	1.644	2.072	2.647	4.047	7.940
			0.507	0.694	0.878	1.066	1.338	1.648	2.081	2.667	4.185	8.020
			0.509	0.703	0.881	1.097	1.343	1.657	2.115	2.700	4.309	8.995
			0.512	0.709	0.883	1.102	1.346	1.690	2.117	2.717	4.380	10.069
			0.520	0.713	0.885	1.122	1.347	1.718	2.120	2.769	4.444	14.288
			0.525	0.733	0.903	1.128	1.366	1.723	2.150	2.801	4.519	
			0.531	0.743	0.916	1.151	1.397	1.757	2.197	2.828	4.537	
			0.532	0.750	0.922	1.156	1.406	1.808	2.207	2.895	4.611	
			0.533	0.756	0.925	1.166	1.412	1.813	2.225	2.953	4.717	
ECI	0.094	07 & 08	0.374	0.715	0.972	1.210	1.393	1.658	1.883	2.157	2.365	2.694
			0.395	0.739	0.990	1.225	1.399	1.661	1.908	2.187	2.367	2.705
			0.457	0.780	1.021	1.227	1.437	1.666	1.959	2.194	2.371	2.732
			0.462	0.792	1.039	1.232	1.442	1.681	1.965	2.196	2.381	2.734
			0.482	0.801	1.052	1.234	1.464	1.693	1.982	2.234	2.402	2.743
			0.487	0.815	1.062	1.240	1.474	1.737	1.990	2.235	2.444	2.754
			0.489	0.827	1.064	1.248	1.487	1.740	1.991	2.244	2.480	2.765
			0.582	0.864	1.081	1.260	1.492	1.747	1.995	2.256	2.493	2.780
			0.614	0.871	1.083	1.265	1.499	1.777	2.008	2.260	2.506	2.781
			0.619	0.872	1.087	1.272	1.517	1.780	2.037	2.283	2.514	2.802
			0.622	0.895	1.120	1.274	1.552	1.783	2.043	2.296	2.535	2.819
			0.645	0.920	1.133	1.299	1.570	1.802	2.052	2.319	2.569	2.881
			0.652	0.927	1.140	1.302	1.575	1.806	2.107	2.321	2.592	2.913
			0.676	0.930	1.146	1.307	1.593	1.818	2.110	2.323	2.631	2.921
			0.678	0.934	1.168	1.339	1.600	1.825	2.112	2.348	2.638	2.944
			0.683	0.940	1.170	1.356	1.615	1.834	2.122	2.354	2.682	3.110
			0.696	0.953	1.178	1.365	1.618	1.858	2.125	2.362	2.685	3.131
			0.707	0.958	1.201	1.390	1.623	1.865	2.132	2.364	2.687	3.169

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Seal Type	Free Height	Cross Section Code	Preferred Seal Diameters (all dimensions are in inches)									
			ECI [cont.]	0.094	07 & 08	3.176	3.472	3.701	4.037	4.452	4.698	4.866
3.188	3.490	3.709				4.170	4.517	4.724	4.870	5.164	5.726	6.310
3.256	3.506	3.819				4.243	4.520	4.743	4.874	5.243	5.796	6.929
3.380	3.569	3.947				4.268	4.547	4.764	4.921	5.310	5.821	7.256
3.381	3.583	3.990				4.327	4.625	4.769	4.987	5.343	5.903	8.000
3.425	3.587	3.993				4.376	4.693	4.793	5.091	5.368	5.993	8.250
3.440	3.694	4.033				4.449	4.697	4.835	5.130	5.482	6.050	10.771
ECI	0.125	09 & 10				0.866	1.598	2.178	2.552	2.927	3.536	4.059
			0.973	1.642	2.189	2.583	2.949	3.592	4.115	4.937	5.750	6.819
			1.036	1.646	2.198	2.598	2.969	3.615	4.125	4.945	5.768	6.877
			1.067	1.650	2.233	2.610	2.983	3.622	4.146	4.950	5.827	7.056
			1.126	1.721	2.235	2.615	2.986	3.655	4.177	4.952	5.885	7.063
			1.129	1.725	2.240	2.618	2.992	3.670	4.196	4.973	5.919	7.244
			1.163	1.756	2.283	2.644	3.015	3.677	4.265	5.015	5.940	7.268
			1.169	1.786	2.350	2.677	3.032	3.730	4.327	5.062	5.953	7.502
			1.183	1.800	2.354	2.686	3.052	3.736	4.380	5.075	5.975	7.552
			1.221	1.824	2.365	2.690	3.055	3.740	4.422	5.088	6.008	7.606
			1.286	1.848	2.406	2.709	3.115	3.755	4.455	5.089	6.045	7.670
			1.288	1.855	2.415	2.719	3.169	3.802	4.496	5.095	6.057	7.790
			1.310	1.872	2.421	2.740	3.177	3.865	4.497	5.140	6.125	7.990
			1.383	1.900	2.430	2.752	3.243	3.876	4.571	5.157	6.136	8.250
			1.400	1.914	2.433	2.765	3.253	3.900	4.588	5.195	6.143	9.009
			1.411	1.969	2.442	2.797	3.260	3.907	4.630	5.231	6.174	9.956
			1.423	1.975	2.445	2.807	3.325	3.916	4.637	5.380	6.181	
			1.441	1.977	2.478	2.808	3.327	3.927	4.640	5.386	6.242	
			1.454	1.984	2.483	2.831	3.332	3.930	4.716	5.394	6.390	
			1.473	2.047	2.488	2.835	3.363	3.961	4.717	5.400	6.500	
1.482	2.095	2.490	2.865	3.367	3.985	4.720	5.437	6.590				
1.488	2.096	2.495	2.875	3.371	4.032	4.745	5.493	6.598				
1.536	2.161	2.525	2.909	3.462	4.046	4.750	5.620	6.673				
1.571	2.163	2.530	2.913	3.525	4.052	4.757	5.646	6.732				
ECI	0.156	11 & 12	1.278	2.105	2.742	3.040	3.543	4.105	4.492	5.118	5.807	7.048
			1.475	2.205	2.745	3.062	3.600	4.192	4.562	5.131	5.815	7.217
			1.585	2.342	2.795	3.130	3.717	4.206	4.615	5.197	5.819	7.313
			1.737	2.360	2.853	3.246	3.731	4.269	4.715	5.319	5.951	7.740
			1.773	2.540	2.890	3.290	3.892	4.315	4.798	5.461	5.971	8.375
			1.827	2.575	2.978	3.390	3.982	4.354	5.018	5.492	6.358	
			2.062	2.694	2.987	3.402	4.034	4.409	5.078	5.502	6.367	
			2.065	2.739	3.039	3.432	4.040	4.479	5.096	5.505	6.890	
ECI	0.188	13 & 14	1.722	3.785	4.112	4.599	5.047	5.677	6.102	6.680	7.265	
			1.985	3.832	4.152	4.644	5.117	5.785	6.257	6.824	7.365	
			2.065	3.840	4.275	4.721	5.168	5.786	6.279	6.865	7.375	
			2.618	4.009	4.282	4.725	5.193	5.813	6.315	6.990	7.486	
			2.733	4.015	4.323	4.865	5.260	5.903	6.320	7.115	7.982	
			2.920	4.073	4.365	4.977	5.354	5.908	6.371	7.181	8.867	
			3.239	4.082	4.439	4.982	5.394	5.911	6.578	7.188	9.251	
			3.618	4.090	4.490	5.037	5.504	6.019	6.584	7.215	10.375	
ECI	0.250	15 & 16	3.915	4.713	4.896	5.224	5.455	5.735	6.580			
			4.700	4.867	5.106	5.402	5.672	6.027	8.410			
ECI	0.375	17 & 18	5.969									

Preferred C-Ring Sizes Internal Pressure Face Seal

Preferred Spring Energized C-Ring Sizes Internal Pressure Face Seal												
Seal Type	Free Height	Cross Section Code	Preferred Seal Diameters (all dimensions are in inches)									
ESI	0.062	05	0.574	1.091								
			0.644	1.742								
			0.682	1.787								
			0.778	3.620								
			0.787	3.693								
			0.972									
ESI	0.094	07	0.737	1.167	1.489	1.765	2.035	2.272	2.598	3.339	4.598	
			0.813	1.246	1.494	1.790	2.040	2.296	2.705	3.361	4.602	
			0.888	1.307	1.562	1.803	2.064	2.378	2.711	3.931	5.238	
			0.940	1.331	1.624	1.811	2.070	2.390	2.835	4.043	5.417	
			1.010	1.400	1.627	1.890	2.132	2.425	2.955	4.116	6.047	
			1.030	1.406	1.666	1.942	2.158	2.441	2.980	4.173	7.310	
			1.095	1.411	1.720	1.954	2.271	2.541	3.163	4.255		
			1.016	1.323	1.890	2.456	2.888	3.465	4.390	5.337	6.114	
			1.024	1.373	2.096	2.478	3.046	3.617	4.488	5.365	6.218	
			1.087	1.560	2.221	2.503	3.114	3.622	4.749	5.433	6.469	
ESI	0.125	09	1.139	1.725	2.237	2.591	3.126	3.836	4.758	5.466	6.492	
			1.157	1.764	2.351	2.617	3.146	3.858	4.759	5.551	6.755	
			1.177	1.825	2.390	2.716	3.307	3.973	4.795	5.805	6.760	
			1.186	1.870	2.429	2.726	3.320	4.117	5.004	5.984		
			1.304	1.886	2.441	2.770	3.382	4.291	5.102	6.001		
			1.874	2.349	3.251	4.582	5.433	6.289				
			1.878	2.776	3.316	4.803	5.453	7.032				
			1.946	2.835	3.346	4.852	5.461	7.470				
ESI	.156	11	2.156	2.982	3.355	4.882	5.627	7.874				
			2.234	3.031	3.371	5.118	5.717	8.456				
			2.498	3.233	4.724	5.808						
			2.746	3.372	4.735	5.989						
ESI	0.188	13	2.868	4.293	4.808	6.102						
			2.932	4.375	5.548	7.507						
			2.956	4.465	5.556	8.532						
			4.300	5.402								
ESI	.250	15	4.980	5.484								
			5.106	5.697								