



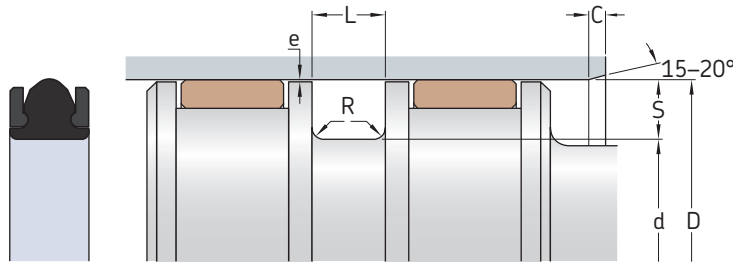
LTP profile data



Material codes	Sealing ring: A-8501 Anti-extrusion rings: P-2506
Pressure	Up to 345 bar (5 000 psi)
Speed	Pressure \leq 250 bar (3 625 psi) \rightarrow up to 1 m/s (3.2 ft/s) Pressure $>$ 250 bar (3 625 psi) \rightarrow up to 0,5 m/s (1.6 ft/s)
Temperature range	<p>Extreme low temperature range: may be intermittently exposed (e.g. cold start-up) without seal damage, but seal performance may be compromised while in this range</p> <p>Temperatures below the recommended operating range: seal performance depends on system design (precision guiding arrangement recommended)</p> <p>Recommended operating temperature range for this profile and material</p> <p>Temperatures above the recommended operating range: acceptable only with reduced pressure, speed, and/or e-gap</p> <p>Extreme high temperature range: only occasional short-term exposure (e.g. cylinder in curing oven of a powder coating process)</p>

Maximum values of application parameters (e.g. pressure, speed, temperature, e-gap) should not be applied continuously nor simultaneously.

LTP profile piston seals, inch sizes
D 0.625 – 2.875 in.

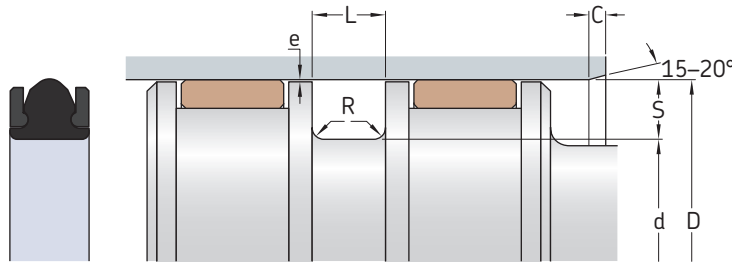


Maximum extrusion gap e				
Radial depth S	Series	e _{max} at 80 °C (175 °F) for pressures		
		1 000 psi	3 000 psi	5 000 psi
in.	-	in.		
0.125	2	0.025	0.008	0.005
0.187	3	0.03	0.012	0.007
0.25	4	0.035	0.017	0.01

Dimensions							Designation
D +0.002	d	Tolerance	L +0.005	S	R max.	C min.	
in.							-
0.625	0.383	-0.002	0.187	0.125	0.02	0.125	LTP-204-E3R
0.75	0.508	-0.002	0.187	0.125	0.02	0.125	LTP-206-E3R
0.875	0.633	-0.002	0.187	0.125	0.02	0.125	LTP-208-E3R
0.937	0.695	-0.002	0.187	0.125	0.02	0.125	LTP-209-E3R
1	0.758	-0.002	0.187	0.125	0.02	0.125	LTP-210-E3R
1.062	0.82	-0.002	0.187	0.125	0.02	0.125	LTP-211-E3R
1.125	0.883	-0.002	0.187	0.125	0.02	0.125	LTP-212-E3R
1.25	1.008	-0.002	0.187	0.125	0.02	0.125	LTP-214-E3R
1.375	1.133	-0.002	0.187	0.125	0.02	0.125	LTP-216-E3R
1.5	1.258	-0.002	0.187	0.125	0.02	0.125	LTP-218-E3R
1.625	1.383	-0.002	0.187	0.125	0.02	0.125	LTP-220-E3R
1.75	1.508	-0.002	0.187	0.125	0.02	0.125	LTP-222-E3R
1.875	1.505	-0.002	0.281	0.187	0.025	0.125	LTP-325-E3R
2	1.63	-0.002	0.281	0.187	0.025	0.125	LTP-326-E3R
2.125	1.755	-0.002	0.281	0.187	0.025	0.125	LTP-327-E3R
2.25	1.88	-0.002	0.281	0.187	0.025	0.125	LTP-328-E3R
2.375	2.005	-0.002	0.281	0.187	0.025	0.125	LTP-329-E3R
2.5	2.13	-0.002	0.281	0.187	0.025	0.125	LTP-330-E3R
2.625	2.255	-0.002	0.281	0.187	0.025	0.125	LTP-331-E3R
2.75	2.38	-0.002	0.281	0.187	0.025	0.125	LTP-332-E3R
2.875	2.505	-0.002	0.281	0.187	0.025	0.125	LTP-333-E3R

2.8 LTP profile piston seals, inch sizes

D 3 – 12.002 in.



Maximum extrusion gap e

Radial depth S	Series	e_{max} at 80 °C (175 °F) for pressures		
		1 000 psi	3 000 psi	5 000 psi
in.	-	in.		
0.125	2	0.025	0.008	0.005
0.187	3	0.03	0.012	0.007
0.25	4	0.035	0.017	0.01

Dimensions

D +0.002	d	Tolerance	L +0.005	S	R max.	C min.	Designation
in.							-
3	2.63	-0.002	0.281	0.187	0.025	0.125	LTP-334-E3R
3.125	2.755	-0.002	0.281	0.187	0.025	0.125	LTP-335-E3R
3.25	2.88	-0.002	0.281	0.187	0.025	0.125	LTP-336-E3R
3.5	3.13	-0.002	0.281	0.187	0.025	0.125	LTP-338-E3R
3.75	3.38	-0.002	0.281	0.187	0.025	0.125	LTP-340-E3R
3.875	3.505	-0.002	0.281	0.187	0.025	0.125	LTP-341-E3R
4	3.63	-0.002	0.281	0.187	0.025	0.125	LTP-342-E3R
4.125	3.755	-0.002	0.281	0.187	0.025	0.125	LTP-343-E3R
4.25	3.88	-0.002	0.281	0.187	0.025	0.125	LTP-344-E3R
4.5	4.13	-0.002	0.281	0.187	0.025	0.125	LTP-346-E3R
4.75	4.38	-0.002	0.281	0.187	0.025	0.125	LTP-348-E3R
4.875	4.505	-0.002	0.281	0.187	0.025	0.125	LTP-349-E3R
5	4.63	-0.002	0.281	0.187	0.025	0.125	LTP-350-E3R
5.252	4.778	-0.004	0.375	0.25	0.032	0.187	LTP-427-E3R
5.377	4.903	-0.004	0.375	0.25	0.032	0.187	LTP-428-E3R
5.502	5.028	-0.004	0.375	0.25	0.032	0.187	LTP-429-E3R
5.627	5.153	-0.004	0.375	0.25	0.032	0.187	LTP-430-E3R
5.752	5.278	-0.004	0.375	0.25	0.032	0.187	LTP-431-E3R
6.002	5.528	-0.004	0.375	0.25	0.032	0.187	LTP-433-E3R
6.377	6.028	-0.004	0.375	0.25	0.032	0.187	LTP-437-E3R
7.002	6.528	-0.004	0.375	0.25	0.032	0.187	LTP-439-E3R

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Dimensions							Designation
D +0.002	d	Tolerance	L +0.005	S	R max.	C min.	
in.							-
7.752	7.278	-0.004	0.375	0.25	0.032	0.187	LTP-442-E3R
9.502	9.028	-0.004	0.375	0.25	0.032	0.187	LTP-447-E3R
10.002	9.528	-0.004	0.375	0.25	0.032	0.187	LTP-448-E3R
12.002	11.528	-0.004	0.375	0.25	0.032	0.187	LTP-452-E3R

Other sizes are available on request

