



## LTP profile data

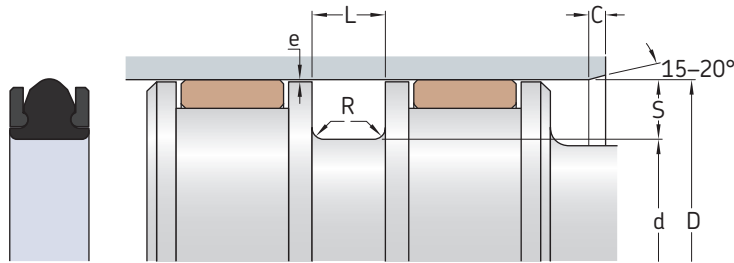


<b>Material codes</b>	Sealing ring: A-8501 Anti-extrusion rings: P-2506
<b>Pressure</b>	Up to 345 bar (5 000 psi)
<b>Speed</b>	Pressure $\leq$ 250 bar (3 625 psi) $\rightarrow$ up to 1 m/s (3.2 ft/s) Pressure $>$ 250 bar (3 625 psi) $\rightarrow$ up to 0,5 m/s (1.6 ft/s)
<b>Temperature range</b>	<p> <span style="color: blue;">■</span> 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  <span style="color: grey;">■</span> Temperatures below the recommended operating range: seal performance depends on system design (precision guiding arrangement recommended)  <span style="color: green;">■</span> <b>Recommended operating temperature range for this profile and material</b>  <span style="color: yellow;">■</span> Temperatures above the recommended operating range: acceptable only with reduced pressure, speed, and/or e-gap  <span style="color: red;">■</span> 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.



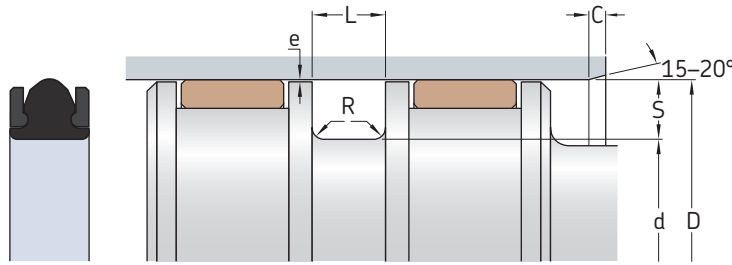
### Maximum extrusion gap e

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

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

## 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.		
<b>0.125</b>	2	0.025	0.008	0.005
<b>0.187</b>	3	0.03	0.012	0.007
<b>0.25</b>	4	0.035	0.017	0.01

### Dimensions

D	d	Tolerance	L	S	R	C	Designation
+0.002			+0.005		max.	min.	

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

### Seal & Design Able Division

5533 Steeles Avenue West Unit 11  
Toronto, Ontario M9L 1S7  
Ph: (416) 741-0750  
Gasket@AbleSealAndDesign.com

### Seal & Design Corporate Headquarters

4015 Casilio Parkway  
Clarence, NY 14031  
Ph: (716) 759-2222  
Info@SealAndDesign.com  
www.SealAndDesign.com

### Seal & Design Higbee Division

6741 Thompson Rd N  
Syracuse, NY 13221  
Ph: (315) 432-8021  
Sales@Higbee-Inc.com

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

Other sizes are available on request

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**Seal & Design**  
**Corporate Headquarters**  
 Ph: (716)-759-3344  
 Info@SealAndDesign.com  
 www.SealAndDesign.com