



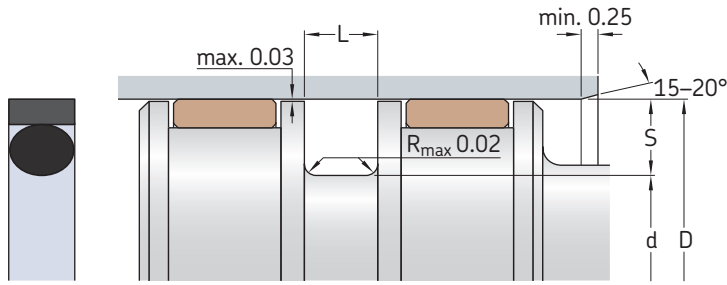
SCP profile data



Material codes	Slide ring: suffix E5E → P-2501 suffix E5D → P-2551 Energizer: A-8526
Pressure	Up to 690 bar (10 000 psi)
Speed	Up to 1 m/s (3.2 ft/s)
Temperature range	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>-60 -50 -40</p> <p>-75 -60 -40</p> </div> <div style="margin-left: 10px;"> <p>110 120 130 [°C]</p> <p>230 250 265 [°F]</p> </div> </div> <ul style="list-style-type: none"> ■ 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 ■ Temperatures below the recommended operating range: seal performance depends on system design (precision guiding arrangement recommended) ■ Recommended operating temperature range for this profile and material ■ Temperatures above the recommended operating range: acceptable only with reduced pressure and/or speed ■ Extreme high temperature range: only occasional short-term exposure

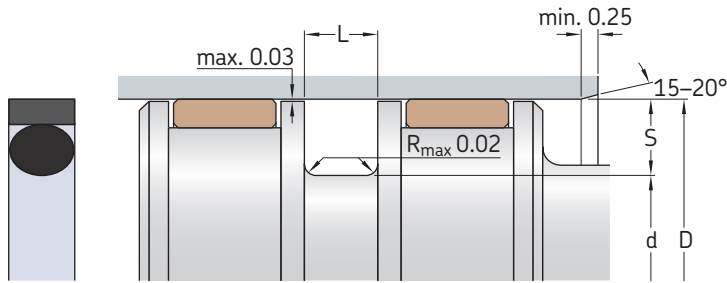
Maximum values of application parameters (e.g. pressure, speed, temperature) should not be applied continuously nor simultaneously.

SCP profile piston seals, inch sizes
D 2 – 5.025 in.



Dimensions					Designation	
D	Tolerance	d	Tolerance	L +0.005	S	
in.					-	
2	+0.002	1.462	-0.002	0.282	0.269	SCP1-2000-E5E
2.25	+0.002	1.712	-0.002	0.282	0.269	SCP1-2250-E5E
2.5	+0.003	1.908	-0.002	0.312	0.296	SCP5-2500-E5E
	+0.003	1.962	-0.002	0.282	0.269	SCP1-2500-E5E
2.75	+0.003	2.212	-0.002	0.282	0.269	SCP1-2750-E5D
3	+0.003	2.408	-0.002	0.312	0.296	SCP5-3000-E5E
	+0.003	2.442	-0.003	0.282	0.279	SCP2-3000-E5E
3.25	+0.003	2.692	-0.003	0.282	0.279	SCP2-3250-E5E
3.5	+0.003	2.908	-0.003	0.312	0.296	SCP5-3500-E5E
	+0.003	2.942	-0.003	0.282	0.279	SCP2-3500-E5E
3.75	+0.003	3.192	-0.003	0.282	0.279	SCP2-3750-E5D
4	+0.003	3.408	-0.003	0.312	0.296	SCP5-4000-E5E
	+0.003	3.442	-0.003	0.282	0.279	SCP2-4000-E5E
4.025	+0.003	3.467	-0.003	0.282	0.279	SCP2-4025-E5D
4.25	+0.003	3.692	-0.003	0.282	0.279	SCP2-4250-E5D
4.265	+0.003	3.707	-0.003	0.282	0.279	SCP2-4265-E5D
4.5	+0.003	3.74	-0.003	0.377	0.38	SCP3-4500-E5D
	+0.003	3.908	-0.003	0.312	0.296	SCP5-4500-E5E
	+0.003	3.942	-0.003	0.282	0.279	SCP2-4500-E5E
4.525	+0.003	3.967	-0.003	0.282	0.279	SCP2-4525-E5D
	+0.003	3.99	-0.004	0.377	0.38	SCP3-4750-E5D
4.75	+0.003	4.192	-0.004	0.282	0.279	SCP2-4750-E5E
	+0.004	4.24	-0.004	0.377	0.38	SCP3-5000-E5E
5	+0.004	4.442	-0.004	0.282	0.279	SCP2-5000-E5E
	+0.004	4.265	-0.004	0.377	0.38	SCP3-5025-E5D

SCP profile piston seals, inch sizes
D 5.25 – 12 in.



Dimensions					Designation	
D	Tolerance	d	Tolerance	L +0.005	S	
in.					-	
5.25	+0.004	4.49	-0.004	0.377	0.38	SCP3-5250-E5D
5.5	+0.004	4.74	-0.004	0.377	0.38	SCP3-5500-E5E
5.75	+0.004	4.99	-0.004	0.377	0.38	SCP3-5750-E5D
6	+0.004	5.24	-0.004	0.377	0.38	SCP3-6000-E5E
6.025	+0.004	5.265	-0.004	0.377	0.38	SCP3-6025-E5D
6.5	+0.004	5.74	-0.004	0.377	0.38	SCP3-6500-E5D
7	+0.004	6.24	-0.004	0.377	0.38	SCP3-7000-E5E
7.025	+0.004	6.265	-0.004	0.377	0.38	SCP3-7025-E5D
7.5	+0.004	6.74	-0.004	0.377	0.38	SCP3-7500-E5D
8	+0.004	7.24	-0.004	0.377	0.38	SCP3-8000-E5D
8.5	+0.004	7.74	-0.004	0.377	0.38	SCP3-8500-E5D
9	+0.004	8.124	-0.004	0.377	0.438	SCP4-9000-E5D
9.5	+0.004	8.624	-0.004	0.377	0.438	SCP4-9500-E5D
10	+0.004	9.124	-0.004	0.377	0.438	SCP4-10000-E5D
12	+0.004	11.124	-0.004	0.377	0.438	SCP4-12000-E5D

Other sizes are available on request



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