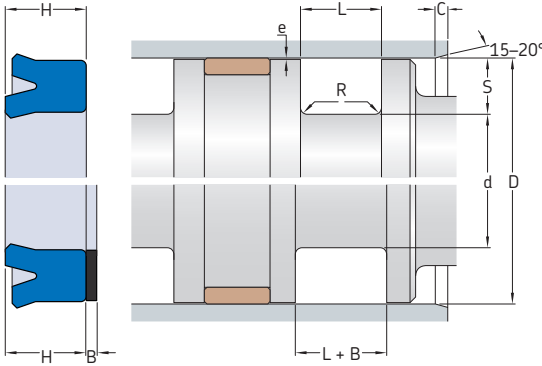


2.12 UNP profile piston seals, inch sizes

D 1.125 – 5 in.



Maximum extrusion gap e

Radial depth S	e _{max} at 80 °C (175 °F) for pressures		
	2 300 psi	3 600 psi	5 075 psi
in.	in.		
0.125	0.008	0.004	–
0.187	0.014	0.008	–
0.25	0.018	0.01	0.004
0.375	0.02	0.012	0.006
0.5	0.022	0.012	0.006

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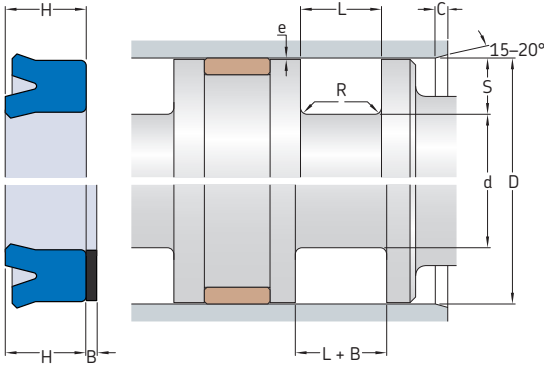
With and without full-face anti-extrusion ring¹⁾

Dimensions										Designation
D	Tolerance	d	Tolerance	L +0.01	L+B +0.01	H nom.	S	R max.	C min.	
in.										–
1.125	+0.002	0.75	–0.002	0.343	0.437	0.312	0.187	0.015	0.25	UNP187-750-312-H9J
1.5	+0.002	1.125	–0.002	0.275	0.369	0.25	0.187	0.015	0.25	UNP187-1125-250-H9J
	+0.002	1.25	–0.002	0.275	0.338	0.25	0.125	0.01	0.25	UNP125-1250-250-H9J
1.75	+0.002	1.375	–0.002	0.275	0.369	0.25	0.187	0.015	0.25	UNP187-1375-250-H9J
2	+0.002	1.625	–0.002	0.206	0.299	0.187	0.187	0.015	0.25	UNP187-1625-187-H9J
	+0.002	1.625	–0.002	0.343	0.437	0.312	0.187	0.015	0.25	UNP187-1625-312-H9J
2.25	+0.002	1.875	–0.002	0.343	0.437	0.312	0.187	0.015	0.25	UNP187-1875-312-H9J
2.5	+0.003	2	–0.003	0.413	0.538	0.375	0.25	0.02	0.312	UNP250-2000-375-H9J
	+0.002	2.125	–0.002	0.275	0.369	0.25	0.187	0.015	0.25	UNP187-2125-250-H9J
	+0.002	2.125	–0.002	0.413	0.506	0.375	0.187	0.015	0.25	UNP187-2125-375-H9J
2.625	+0.002	2.25	–0.002	0.343	0.437	0.312	0.187	0.015	0.25	UNP187-2250-312-H9J
2.75	+0.003	2.25	–0.003	0.413	0.538	0.375	0.25	0.02	0.312	UNP250-2250-375-H9J
3	+0.002	2	–0.007	0.550	0.800	0.5	0.5	0.04	0.375	UNP500-2000-500-H9J
	+0.003	2.5	–0.003	0.343	0.468	0.312	0.25	0.02	0.312	UNP250-2500-312-H9J
	+0.003	2.5	–0.003	0.413	0.538	0.375	0.25	0.02	0.312	UNP250-2500-375-H9J
	+0.002	2.625	–0.002	0.413	0.506	0.375	0.187	0.015	0.25	UNP187-2625-375-H9J
3.25	+0.005	2.25	–0.007	0.550	0.800	0.5	0.5	0.04	0.375	UNP500-2250-500-H9J
	+0.002	2.875	–0.002	0.413	0.506	0.375	0.187	0.015	0.25	UNP187-2875-375-H9J
3.5	+0.004	2.75	–0.005	0.688	0.875	0.625	0.375	0.032	0.375	UNP375-2750-625-H9J
	+0.003	3	–0.003	0.413	0.538	0.375	0.25	0.02	0.312	UNP250-3000-375-H9J
4	+0.005	3	–0.007	0.550	0.800	0.5	0.5	0.04	0.375	UNP500-3000-500-H9J
	+0.003	3.5	–0.003	0.413	0.538	0.375	0.25	0.02	0.312	UNP250-3500-375-H9J
4.5	+0.004	3.75	–0.005	0.688	0.875	0.625	0.375	0.032	0.375	UNP375-3750-625-H9J
5	+0.004	4.25	–0.005	0.550	0.738	0.5	0.375	0.032	0.375	UNP375-4250-500-H9J
	+0.003	4.5	–0.003	0.413	0.538	0.375	0.25	0.02	0.312	UNP250-4500-375-H9J

¹⁾ In case of higher pressures, SKF provides full-face anti-extrusion rings on request. For additional information, contact SKF.

2.12 UNP profile piston seals, inch sizes

D 5.5 – 6.5 in.



Maximum extrusion gap e

Radial depth e_{\max} at 80 °C (175 °F) for pressures
S 2 300 psi 3 600 psi 5 075 psi

in.	in.		
0.125	0.008	0.004	–
0.187	0.014	0.008	–
0.25	0.018	0.01	0.004
0.375	0.02	0.012	0.006
0.5	0.022	0.012	0.006

For additional information → page 34

With and without full-face anti-extrusion ring¹⁾

Dimensions

Designation

D	Tolerance	d	Tolerance	L	L+B	H	S	R	C	Designation
in.				+0.01	+0.01	nom.		max.	min.	
5.5	+0.004	4.75	-0.005	0.688	0.875	0.625	0.375	0.032	0.375	UNP375-4750-625-H9J
6	+0.004	5.25	-0.005	0.413	0.600	0.375	0.375	0.032	0.375	UNP375-5250-375-H9J
6.5	+0.004	5.75	-0.005	0.688	0.875	0.625	0.375	0.032	0.375	UNP375-5750-625-H9J

Other sizes are available on request

¹⁾ In case of higher pressures, SKF provides full-face anti-extrusion rings on request. For additional information, contact SKF.