



DELTA MECHANICAL SEAL COMPONENTS

INTERNAL BALANCED SEAL

STYLE 1800



Technical Features

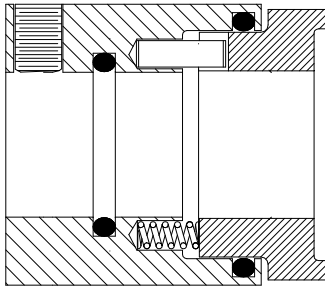
Springs are isolated from fluid.

Dynamic o-ring is located in barrel holding the rotating face thereby reducing solids build up and fouling of rotating assembly.

Static o-ring located in drive collar eliminates damage to shaft or sleeve.

Non-fretting design prevents damage to shaft or sleeve.

Field interchangeability of face materials is available.



+

Application Data

Shaft speed: To 3600 RPM

Pressure: To 400 PSI

Temperature: See O-ring limitations

Materials

Metal Parts: 316SS

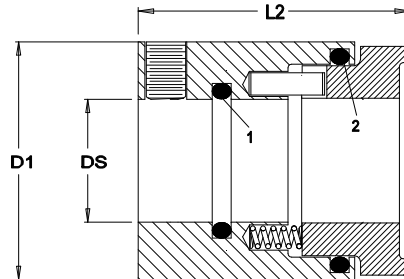
Springs: Hastelloy "C"

Faces: Carbon, Sintered Silicon Carbide

Elastomers: Aflas, EPR, Kalrez, Teflon, Viton

DIMENSIONAL DATA FOR DELTA SEAL STYLE 1800

SIDE VIEW



DS Seal Size	D1 Sleeve OD	D2 Min	D2 Max	D3 Gland OD	D4 Gland Flat	A Min. Bolt Circle by Stud Size				S Slot Width	L1 Outside Length	L2 Inside Length	L3 Gland Length	Pos. 1 Oring	Pos. 2 Oring	Pos. 3 Oring	Pos. 4 Oring	Pos. 5 Oring	Pos. 6 Oring
						3/8"	1/2"	5/8"	3/4"										
0.750											1.375								
0.875											1.375								
1.000	1.576										1.375		120	126					
1.125	1.701										1.375		122	128					
1.250	1.826										1.750		124	130					
1.375	1.951										1.750		126	132					
1.500	2.146										1.750		128	134					
1.625	2.271										1.750		130	136					
1.750	2.396										1.750		132	138					
1.875	2.521										1.750		134	140					
2.000	2.646										1.750		136	142					
2.125	2.771										1.750		138	144					
2.250	2.896										1.750		140	146					
2.375	3.021										1.750		142	148					
2.500	3.146										1.750		144	150					
2.625	3.271										1.750		146	151					
2.750	3.628										2.000		232	236					
2.875	3.753										2.000		233	237					
3.000	3.878										2.000		234	238					
3.250	4.128										2.000		236	240					
3.500	4.378										2.000		238	242					
3.750	4.628										2.000		240	244					
4.000	4.878										2.000		242	246					
4.250	5.128										2.000		244	248					
4.500	5.378										2.000		246	250					
4.750	6.003										3.625		351	358					
5.000	6.253										3.625		353	358					
5.250	6.503										3.625		355	360					
5.500	6.753										3.625		357	362					
5.750	7.003										3.625		359	363					
6.000	7.253										3.625		361	364					
6.250	7.503										3.625		362	365					
6.500	7.753										3.625		363	366					
6.750	8.003										3.625		364	367					
7.000	8.253										3.625		365	368					
7.250	8.503										3.625		366	369					
7.500	8.753										3.625		367	370					
7.750	9.003										3.625		368	371					
8.000	9.253										3.625		369	372					

Distributed By:

© 2005 Delta Mechanical Seals.
All rights reserved.



(Phone)
(Fax)

Manufactured By:

Delta
44 Propper Lane
Fall River, MA 02720
508-324-4032 (Phone)
508-324-4339 (Fax)