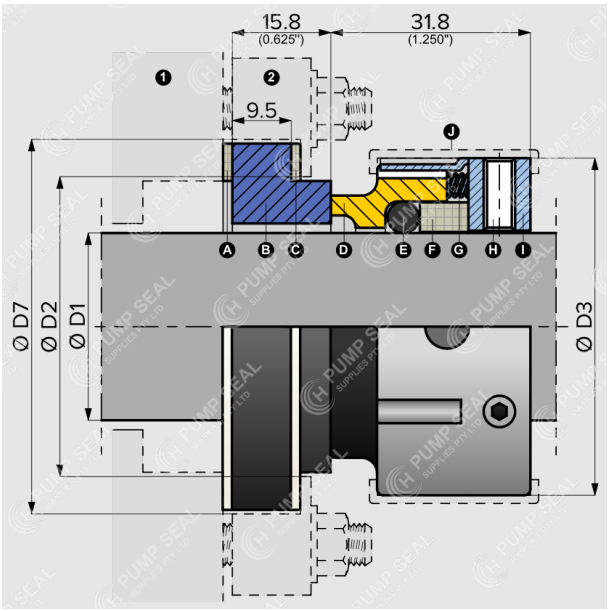
H740

'TYPE 740'
SPECIFICATION SHEET





- **Externally Mounted**
- **PTFE, Multi-Spring Pusher**
- **Balanced**
- **Metric & Imperial Sizes**
- **Suits Chemicals & Corrosives**

H740 is a mechanical seal designed to be mounted externally, such that no metal parts are in contact with the process fluid. It is set-screw driven and uses a multi-spring arrangement that ensures even face pressure.

The standard "LG" stationary is equivalent to industry standard "L" seat, designed to be used in "478" gland plates. However, the rotary can also be used to run against many other standardised stationaries.

The seal is supplied with removable setting clips (J) that pre-compress the springs, allowing the set-screws to be tightened to the correct position.

- **Operating conditions[1]**

Temperature: -40°C to +205°C
Pressure: < 10 bar, 150 psi, 1 MPa
Speed: < 12m/s, 2400 fpm
rpm < 720000/(3.14 x D1 mm)
rpm < 720000/(79.8 x D1 inch)

- **Material Options**

Rotary Face: CAB or SiC
Stationary Face: CER or SiC
Elastomer: N, V or EP
Metal Parts: 304SS or 316SS

PARTS

1 Pump Housing
2 Gland Plate

A Stationary PTFE Gasket
B Stationary Face / Ring
C Stationary PTFE Gasket
D Rotary Face / Ring
E Rotary O-ring
F Rotary PTFE Spacer
G Rotary Multi-Springs
H Rotary Set Screws
I Rotary Holder
J Rotary Setting Clips

SEAT OPTIONS

LG standard

EQUIVALENT

740
440

DIMENSIONS

D1 = Shaft Size D7 = Seat Cavity D2 = Seat Step Cavity
D3 = Rotary OD Rotary W.L. = 31.8mm Overall W.L. = 47.6mm

D1	D3	D7		D2	
25mm	48.5	2.125"	53.98	1.625"	41.4
1.000"					
28mm	52.0	2.250"	57.15	1.750"	44.5
1.125"					
30mm	55.0		~62.8		
1.250"		2.375"	60.33	1 15/16"	49.3
32mm					
33mm	48.0	-		-	
1.375"		2 7/16"	61.97	2 1/64"	51.2
35mm					
38mm	61.0	2.750"	69.85	2 19/64"	58.2
1.500"					
40mm	64.0	2.875"	73.03	2 29/64"	62.2
1.625"					
43mm	67.5		~76.8		
1.750"		3.125"	79.38	2 9/16"	65.3
45mm		3.250"	82.55	2 49/64"	70.4
1.875"	70.5	3.250"	82.55	2 49/64"	70.4
48mm					
50mm	74.0	3.500"	88.90	2.875"	73.2
2.000"					
53mm	77.0	-		-	
2.125"		3.750"	95.25	2 61/64"	75.2

[1] Guide-values only (due to diversity of possible applications). Enquire for specific-use cases. Maximum values of each parameter cannot be applied together.

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