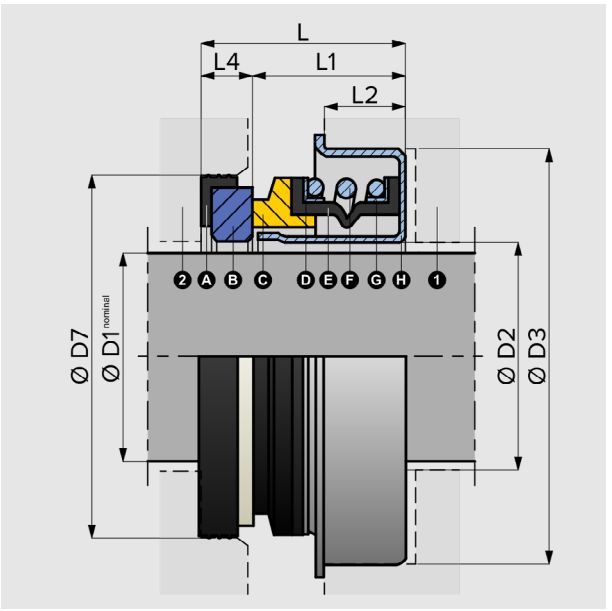
H68

'TYPE 6A / TYPE 7'
SPECIFICATION SHEET





- **Stationary-Based Design**
- **Imperial & Metric Sizes**
- **Press-Fitted Into Housing**
- **Non-Shaft Sealing**
- **Suits Pool & Water Pumps**

H68 is a stationary-based seal with the spring located in the stationary. The metal cap is press-fitted (tool recommended) into the pump housing, while the cup-mounted part is fitted into the back of the rotating impeller.

The tolerance fit acts as secondary seal, eliminating the need for a shaft-sealing element. Commonly specified in high-speed applications where shaft surface finish & deflection is non-critical.

Available in two standards. Imperial dimensions based on industry standard "Type 6A" design. Metric dimensions based on Japanese "Type 7", common in automotive water pumps.

Operating conditions[1]

Temperature: -40°C to +150°C
Pressure: < 4 bar, 60 psi, 0.4 MPa
Speed: < 8m/s, 1560 fpm
rpm < 480000/(79.8 x D1 inch)
rpm < 480000/(3.14 x D1 mm)

Materials

Standard: CAB/CER/N
Optional: CAB/CER/V
Hard Faces: SiC/SiC/V

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

PARTS

1 Pump Housing
2 Impeller

A Rotary Cup
B Rotary Face / Ring
C Stationary Face / Ring
D Stationary Ferrule
E Stationary Bellows
F Stationary Spring
G Stationary Ferrule
H Stationary Metal Head

EQUIVALENT

T6A
Type 75
B03U
PAC 171
BT-A2

EH790-SF
EH791-SF
EH790-BF
Type 70
B03
PAC 170
RB866

DIMENSIONS

D1 = Nominal Shaft Size
D7 = Rotary Bore
Ver. = Version
L1 = Stationary W.L.
D3 = Cavity Bore
L = Overall W.L.

H68 - Imperial Standard

D1	Ver.	D3	L2	D7	L4	L1	L
0.500"	**A**	**28.55**	8.0	25.40	6.3	13.2	19.5
0.625"	**A**	**36.45**	8.0	31.75	10.3	14.8	25.1
0.750"	**A**	**40.00**	9.5	34.93	10.3	15.5	25.8
1.000"	**A**	**46.00**	10.0	41.28	11.0	18.0	29.0

H68 - Metric Standard

D1	Ver.	D3	L2	D7	L4	L1	L
12mm	**A**	**28.55**	8.0	25.00	5.0	13.2	18.2
16mm	**A**	**36.45**	8.0	31.00	5.0	14.8	19.8
20mm	**A**	**40.00**	9.5	35.00	5.0	15.5	20.5
25mm	**A**	**46.00**	10.0	44.00	7.0	18.0	25.0
30mm	**A**	**52.00**	11.0	48.00	8.0	19.0	27.0

H68 - Alternative Sizes

D1	Ver.	D3	L2	D7	L4	L1	L
12mm	**B**	**30.00**	8.0	24.00	5.5	13.0	18.5
12mm	**B**	**30.00**	8.0	25.00	5.0	13.0	18.0
12mm	**B**	**30.00**	8.0	26.00	6.5	13.0	19.5
12mm	**C**	**33.40**	6.0	25.00	5.0	13.0	18.0
0.625"	**A**	**36.45**	8.0	30.15	6.4	14.8	21.2
0.625"	**A**	**36.45**	8.0	Sherwd.. LO		14.8	-
16mm	**A**	**36.45**	8.0	38.00	6.5	14.8	21.3
16mm	**B**	**38.10**	9.5	31.00	5.0	15.5	20.5
19mm	**S**	**32.50**	8.0	Special FK		16.5	26.5
0.750"	**A**	**40.00**	9.5	Sherwd. LO		15.5	-
20mm	**A**	**40.00**	9.5	38.00	6.5	15.5	22.0
20mm	**B**	**38.10**	9.5	35.00	5.0	15.5	20.5
25mm	**B**	**47.00**	10.0	44.00	7.0	18.0	25.0
1.000"	**B**	**47.00**	10.0	41.28	11.0	18.0	29.0
30mm	**A**	**52.00**	11.0	Special FK		19.0	-
40mm	**S**	**69.00**	13.0	Special FK		25.0	38.2

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