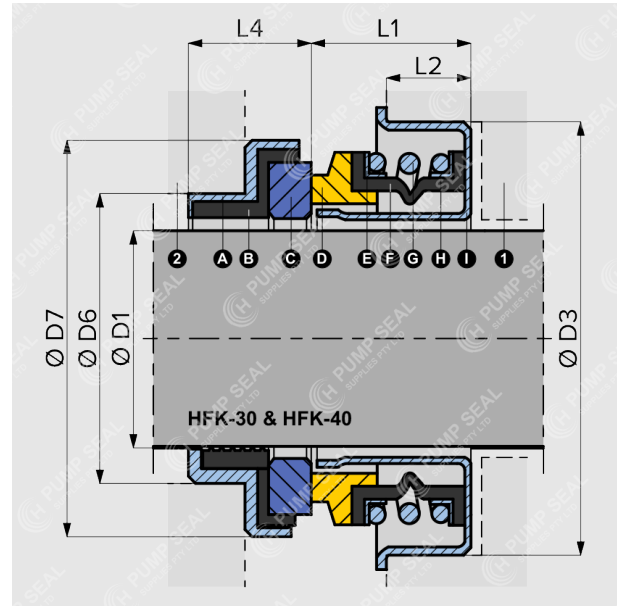


HFK

'FK' SPECIFICATION SHEET



► Stationary-Based Design ► Automotive & Marine Pumps

HFK is a stationary-based seal with the spring located in the stationary. The metal cap is press-fitted (tool recommended) into the pump housing.

The rotary for sizes ≤25mm is non-shaft sealing, typically used in older automotive car cooling pumps.

The rotary for sizes 30mm and 40mm has an additional shaft-sealing element, typically used in marine pumps.

► Operating conditions¹

Temperature: -30°C to +150°C
Pressure: < 3 bar, 43 psi, 0.3 MPa
Speed: < 4.5m/s, 880 fpm
rpm < 270000/(3.14 x D1)

► Materials

Standard: CAB/CER/N

PARTS

- 1 Pump Housing
- 2 Impeller
- A Rotary Holder
- B Rotary Elastomer
- C Rotary Face / Ring
- D Stationary Face / Ring
- E Stationary Ferrule
- F Stationary Bellows
- G Stationary Spring
- H Stationary Ferrule
- I Stationary Metal Head

EQUIVALENT

FK

DIMENSIONS

D1 = Nominal Shaft Size Ver. = Version D3 = Cavity Bore
L4 = Rotary Height L1 = Stationary W.L.

D1	Ver.	D3	D6	D7	L4	L2	L1
16mm	A	36.45	23.0	33.0	10.0	8.0	14.8
	B	38.10	23.0	33.0	10.0	8.0	14.8
19mm	S	32.50	23.0	32.0	10.0	8.0	16.5
20mm	A	38.10	32.0	37.0	11.5	9.5	15.5
	B	40.00	27.0	38.0	10.0	9.5	15.5
25mm	A	46.00	30.5	47.0	13.0	10.0	18.0
	B	47.00	30.5	47.0	13.0	10.0	18.0
30mm	A	52.00	42.8	50.0	15.0	11.0	19.0
40mm	S	69.00	50.8	65.0	21.0	13.0	25.0

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