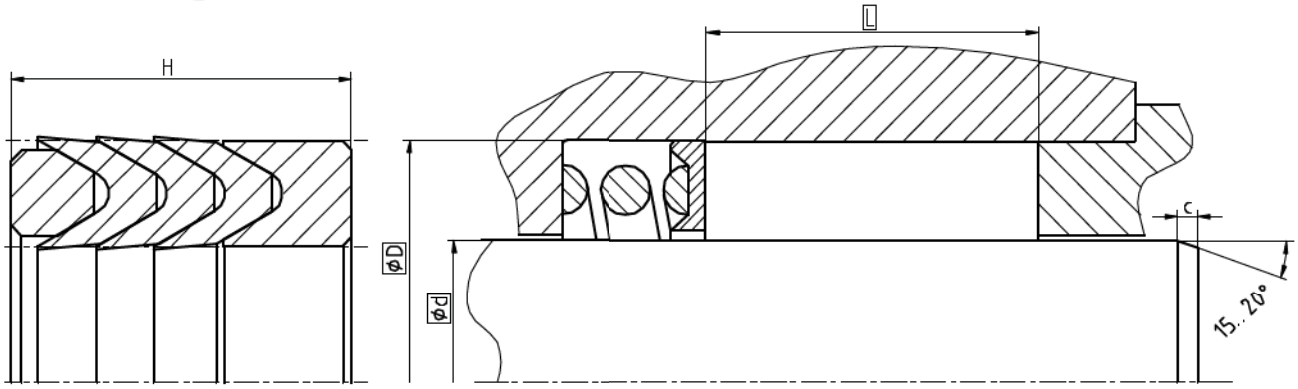
Seal data sheet
Rod seals

S2931-F

2008-09

Seal housing



Surface roughness	Rtmax	Ra
Sliding Surface	≤ 2 µm	0,05...0,3 µm
Bottom of groove	≤ 6,3 µm	≤ 1,6 µm
Groove face	≤ 15 µm	≤ 3 µm

Ordering dimensions...☐

Bearing area: 50...95% and a cutting depth of 0,5xRz based on Cref = 0%

Standard dimensions

Ød f8	ØD H8	c	Installation height L*		
			3 Chevrons < 50 bar	4 Chevrons ≥ 50 bar ... ≤ 100 bar	5 Chevrons ≥ 100 bar ... ≤ 315 bar
≥ 10 ... < 15	d + 8	3,5	14	17	20
≥ 15 ... < 40	d + 10	4,0	16	19	22
≥ 40 ... < 50	d + 12	4,5	19	23	27
≥ 50 ... < 75	d + 15	5	22	26,5	32
≥ 75 ... < 150	d + 20	6	32	38	44
≥ 150 ... < 200	d + 25	8,5	35	42	50
≥ 200 ... < 300	d + 30	10	39	47	56
≥ 300 ... < 600	d + 40	13	50	62	74

* The recommended chevron height depends on the pressure area and is valid for SKF ECOFLON 1. Installation height L = Chevron set height H! Standard: 3 Chevrons

Operating parameters

Pressure ring S29-F	Chevron S30-F	Backup ring S31-F	Temperature	max. speed	max. pressure
SKF ECOFLON 2	**SKF ECOFLON 1**	**SKF ECOFLON 2**	**-200 °C...+260 °C**	**1,5 m/s**	**315 bar (31,5 MPa)**

The stated operation conditions represent general indications. It is recommended not to use all maximum values simultaneously. Surface speed limits apply only to the presence of adequate lubrication film.

Ordering example

S2931-F, d=100mm, D=120mm, L=10mm, SKF ECOFLON 2 / SKF ECOFLON 1 / SKF ECOFLON 2

Rod Seal S2931-F	**100 x 120 x 10**	**SKF ECOFLON 2 / SKF ECOFLON 1 / SKF ECOFLON 2**
Profile	d x D x L	Pressure ring / Chevron / Backup ring

ECONOMOS

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