

### DESCRIPTION

Double acting rod seal

### MATERIAL ON DYNAMIC SURFACE

Type: Polytetrafluoroethylene

Designation: SEALFLON

⇒ it can be provided with different fillers according to applications

### MATERIAL ON STATIC SURFACE

Type: Nitril Rubber NBR

Designation: RUBSEAL 70

Hardness: 70 °ShA

⇒ it can be provided with different materials according to working conditions

### MAIN FEATURES

The rod seal type XC, mainly suitable for low pressure conditions or pneumatic field, is composed of:

- A dynamic seal element which assures exceptional low friction and high speed performance, as well as high compatibility with nearly all media due to the chemical resistance which exceeds that of all other thermoplastics and elastomers.
- A standard size O-Ring with low permanent deformation as energizing component on the static side

- Low static and dynamic friction, also without lubrication
- No tendency of stick-slip
- Space-saving construction and simple groove design
- Good resistance against extrusion
- High compatibility with nearly all fluids (with the right choice of O-Ring material)
- High speed allowed
- High temperature resistance

### FIELD OF APPLICATION

Pressure	≤ 210 bar
Speed	≤ 4 m/s
Temperature	-30°C ÷ +130°C (with OR in NBR) -30°C ÷ +200°C (with OR in FKM)
Fluids	High compatibility with nearly all fluids (with the right choice of O-Ring material)

### SURFACE ROUGHNESS

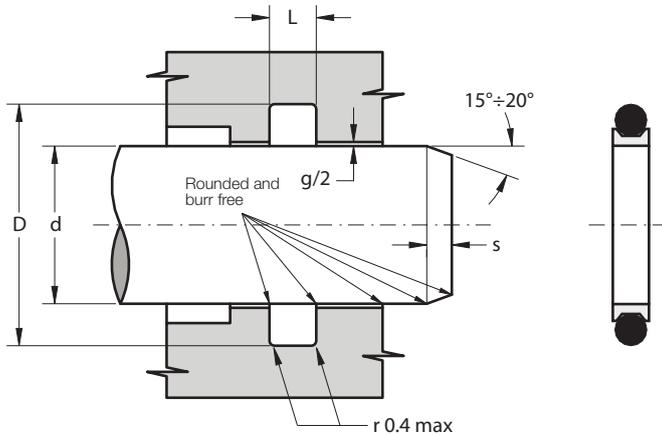
Dynamic surface	Ra ≤ 0.3 µm	Rt ≤ 2.5 µm
Static surface	Ra ≤ 1.6 µm	Rt ≤ 6.3 µm

### GAP DIMENSION "g"

The largest gap dimension appearing in operation on the non-pressurised side must comply with the ISO f7/H8:

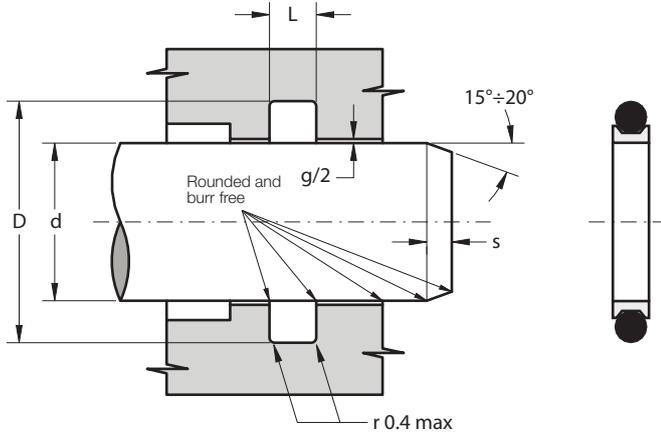
LEAD-IN CHAMFERS		LEAD-IN CHAMFERS	
L	s	L	s
2.5	2.0	7.0	4.0
3.5	2.5	9.5	5.0
4.5	3.0		

- to avoid damaging the seal during installation, housing must have rounded chamfers. Sharp edges and burrs within the installation area of the seal must be removed



Part.	d <sup>F7</sup>	D <sup>H9</sup>	L <sup>+0.2</sup>	OR
XC 007-3	3	6.5	2.5	007
XC 008-4	4	7.5	2.5	008
XC 009-5	5	8.5	2.5	009
XC 010-6	6	9.5	2.5	010
XC 011-8	8	11.5	2.5	011
XC 012-10	10	13.5	2.5	012
XC 110-9	9	14.5	3.5	110
XC 111-11	11	16.5	3.5	111
XC 112-12	12	17.5	3.5	112
XC 113-14	14	19.5	3.5	113
XC 114-15	15	20.5	3.5	114
XC 115-17	17	22.5	3.5	115
XC 210-19	19	26.1	4.5	210
XC 211-20	20	27.1	4.5	211
XC 212-22	22	29.1	4.5	212
XC 213-23	23	30.1	4.5	213
XC 214-25	25	32.1	4.5	214
XC 215-27	27	34.1	4.5	215
XC 216-28	28	35.1	4.5	216
XC 217-30	30	37.1	4.5	217
XC 218-31	31	38.1	4.5	218
XC 219-33	33	40.1	4.5	219
XC 220-35	35	42.1	4.5	220
XC 221-36	36	43.1	4.5	221

Part.	d <sup>F7</sup>	D <sup>H9</sup>	L <sup>+0.2</sup>	OR
XC 325-38	38	48.4	7.0	325
XC 326-40	40	50.4	7.0	326
XC 327-45	45	55.4	7.0	327
XC 328-47	47	57.4	7.0	328
XC 329-50	50	60.4	7.0	329
XC 330-53	53	63.4	7.0	330
XC 331-57	57	67.4	7.0	331
XC 332-60	60	70.4	7.0	332
XC 333-63	63	73.4	7.0	333
XC 334-66	66	76.4	7.0	334
XC 335-70	70	80.4	7.0	335
XC 336-73	73	83.4	7.0	336
XC 337-75	75	85.4	7.0	337
XC 338-80	80	90.4	7.0	338
XC 339-82	82	92.4	7.0	339
XC 340-85	85	95.4	7.0	340
XC 341-90	90	100.4	7.0	341
XC 342-92	92	102.4	7.0	342
XC 343-95	95	105.4	7.0	343
XC 344-98	98	108.4	7.0	344
XC 345-100	100	110.4	7.0	345
XC 346-104	104	114.4	7.0	346
XC 347-107	107	117.4	7.0	347
XC 348-111	111	121.4	7.0	348
XC 425-114	114	127.7	9.5	425
XC 426-117	117	130.7	9.5	426
XC 427-120	120	133.7	9.5	427
XC 428-123	123	136.7	9.5	428
XC 429-126	126	139.7	9.5	429
XC 430-130	130	143.7	9.5	430
XC 431-133	133	146.7	9.5	431
XC 432-136	136	149.7	9.5	432
XC 433-139	139	152.7	9.5	433
XC 434-142	142	155.7	9.5	434
XC 435-145	145	158.7	9.5	435
XC 436-149	149	162.7	9.5	436
XC 437-152	152	165.7	9.5	437
XC 438-158	158	171.7	9.5	438
XC 439-165	165	178.7	9.5	439
XC 440-170	170	183.7	9.5	440



Part.	d <sup>f7</sup>	D <sup>H9</sup>	L <sup>+0.2</sup>	OR
<b>XC 457-355</b>	355	368.7	9.5	457
<b>XC 458-370</b>	370	383.7	9.5	458
<b>XC 459-380</b>	380	393.7	9.5	459
<b>XC 460-393</b>	393	406.7	9.5	460

Other sizes not present in the above table can be provided on request

Part.	d <sup>f7</sup>	D <sup>H9</sup>	L <sup>+0.2</sup>	OR
<b>XC 441-178</b>	178	191.7	9.5	441
<b>XC 442-184</b>	184	197.7	9.5	442
<b>XC 443-190</b>	190	203.7	9.5	443
<b>XC 444-196</b>	196	209.7	9.5	444
<b>XC 445-203</b>	203	216.7	9.5	445
<b>XC 674-210</b>	210	223.7	9.5	674
<b>XC 446-215</b>	215	228.7	9.5	446
<b>XC 676-222</b>	222	235.7	9.5	676
<b>XC 447-230</b>	230	243.7	9.5	447
<b>XC 678-235</b>	235	248.7	9.5	678
<b>XC 448-240</b>	240	253.7	9.5	448
<b>XC 680-248</b>	248	261.7	9.5	680
<b>XC 449-255</b>	255	268.7	9.5	449
<b>XC 682-260</b>	260	273.7	9.5	682
<b>XC 450-265</b>	265	278.7	9.5	450
<b>XC 684-273</b>	273	286.7	9.5	684
<b>XC 451-280</b>	280	293.7	9.5	451
<b>XC 686-285</b>	285	298.7	9.5	686
<b>XC 452-292</b>	292	305.7	9.5	452
<b>XC 688-300</b>	300	313.7	9.5	688
<b>XC 453-305</b>	305	318.7	9.5	453
<b>XC 454-318</b>	318	331.7	9.5	454
<b>XC 455-330</b>	330	343.7	9.5	455
<b>XC 456-342</b>	342	355.7	9.5	456