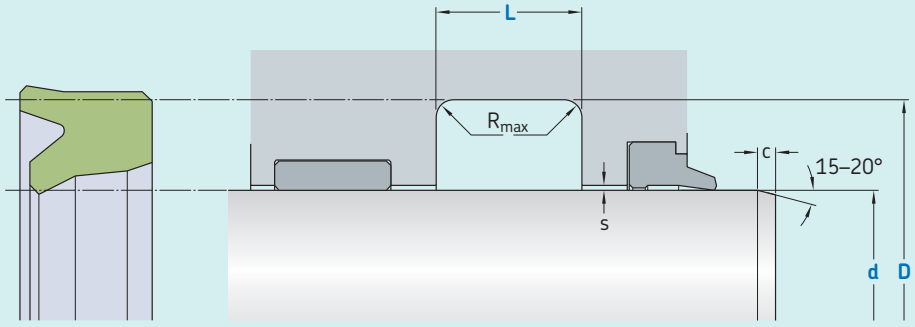
S01-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
11	**25**	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**700**	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39
700		d + 40	32,0	0,4	13,0	0,67	0,52	0,45	0,39

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S01-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**ECOPUR**

S01-P

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,5	400 (*40*)
ECOPUR LD	–35	+110	0,5	400 (*40*)
G-ECOPUR	–30	+110	0,5	400 (*40*)
H-ECOPUR	–20	+110	0,5	400 (*40*)
S-ECOPUR	–20	+110	0,5	400 (*40*)
T-ECOPUR	–50	+110	0,5	400 (*40*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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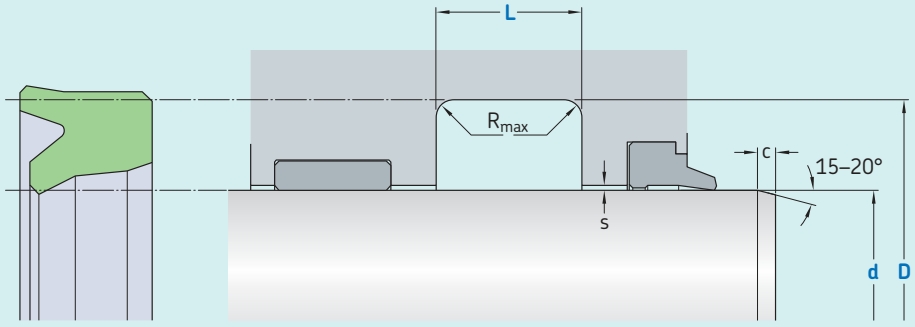
S01-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	160 bar
mm						mm		
11	**25**	d + 8	6,3	0,4	3,5	0,23	0,16	0,14
25	**50**	d + 10	8,0	0,4	4,0	0,26	0,19	0,17
50	**150**	d + 15	10,0	0,4	5,0	0,31	0,24	0,22
150	**300**	d + 20	14,0	0,4	6,0	0,34	0,27	0,25
300	**500**	d + 25	17,0	0,4	8,5	0,37	0,30	0,29
500	**700**	d + 30	25,0	0,4	10,0	0,40	0,34	0,32
700		d + 40	32,0	0,4	13,0	0,40	0,34	0,32

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S01-R**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**SKF Ecorubber-1**

S01-R

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
■ SKF Ecorubber-1	–30	+100	0,5	160 (*16*)
■ SKF Ecorubber-H	–25	+150	0,5	160 (*16*)
■ SKF Ecorubber-2	–20	+200	0,5	160 (*16*)
■ SKF Ecorubber-3	–50	+150	0,5	160 (*16*)
■ SKF Ecoflas	–10	+200	0,5	160 (*16*)
■ SKF Ecosil[3]	–60	+200	–	–

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Only recommended for static or quasi-static-applications.

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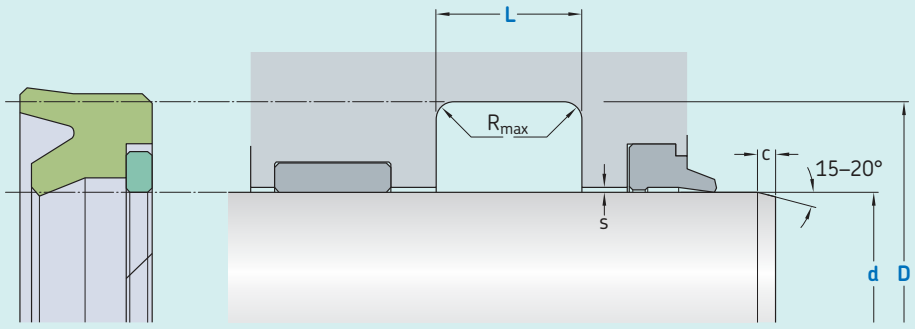
S02-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	400 bar	700 bar
mm						mm			
23	**25**	d + 8	6,3	0,4	3,5	0,80	0,80	0,30	0,04
25	**50**	d + 10	8,0	0,4	4,0	1,00	1,00	0,37	0,04
50	**150**	d + 15	10,0	0,4	5,0	1,50	1,47	0,46	0,05
150	**300**	d + 20	14,0	0,4	6,0	2,00	1,77	0,54	0,06
300	**500**	d + 25	17,0	0,4	8,5	2,50	2,06	0,62	0,06
500	**700**	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,06
700		d + 40	32,0	0,4	13,0	3,00	2,43	0,76	0,06

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S02-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Back-up ring	**ECOPUR / SKF Ecotal**

S02-P

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring[3]	from	to	max	max
		°C		m/s	bar (*MPa*)
ECOPUR	SKF Ecotal	–30	+100	0,5	700 (*70*)
ECOPUR	SKF Ecomid	–30	+110	0,5	700 (*70*)
ECOPUR LD	SKF Ecomid	–35	+110	0,5	700 (*70*)
G-ECOPUR	SKF Ecomid	–30	+110	0,5	700 (*70*)
H-ECOPUR	SKF Ecotal	–20	+100	0,5	700 (*70*)
H-ECOPUR	SKF Ecomid	–20	+110	0,5	700 (*70*)
S-ECOPUR	SKF Ecotal	–20	+100	0,5	700 (*70*)
S-ECOPUR	SKF Ecomid	–20	+110	0,5	700 (*70*)
T-ECOPUR	SKF Ecotal	–50	+100	0,5	700 (*70*)
T-ECOPUR	SKF Ecomid	–40	+110	0,5	700 (*70*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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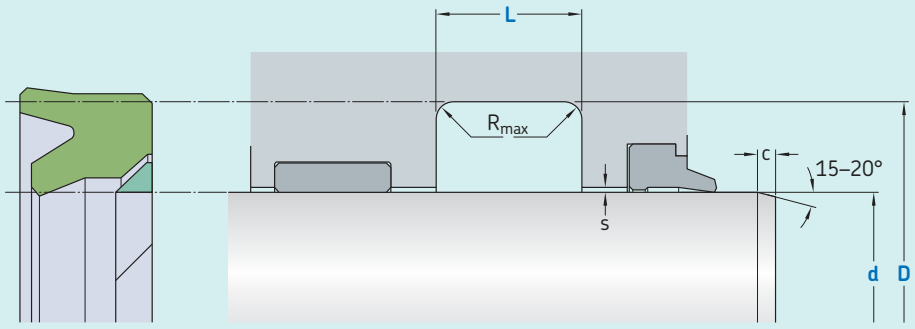
S02-PD



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	400 bar	700 bar
mm						mm			
16	**25**	d + 8	6,3	0,4	3,5	0,80	0,80	0,30	0,04
25	**50**	d + 10	8,0	0,4	4,0	1,00	1,00	0,37	0,04
50	**150**	d + 15	10,0	0,4	5,0	1,50	1,47	0,46	0,05
150	**300**	d + 20	14,0	0,4	6,0	2,00	1,77	0,54	0,06
300	**500**	d + 25	17,0	0,4	8,5	2,50	2,06	0,62	0,06
500	**700**	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,06
700		d + 40	32,0	0,4	13,0	3,00	2,43	0,76	0,06

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S02-PD**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Back-up ring	**ECOPUR / SKF Ecotal**

S02-PD

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring[3]	from	to	max	max
		°C		m/s	bar (*MPa*)
ECOPUR	SKF Ecotal	–30	+100	0,5	700 (*70*)
ECOPUR	SKF Ecomid	–30	+110	0,5	700 (*70*)
ECOPUR LD	SKF Ecomid	–35	+100	0,5	700 (*70*)
G-ECOPUR	SKF Ecomid	–30	+110	0,5	700 (*70*)
H-ECOPUR	SKF Ecotal	–20	+100	0,5	700 (*70*)
H-ECOPUR	SKF Ecomid	–20	+110	0,5	700 (*70*)
S-ECOPUR	SKF Ecotal	–20	+100	0,5	700 (*70*)
S-ECOPUR	SKF Ecomid	–20	+110	0,5	700 (*70*)
T-ECOPUR	SKF Ecotal	–50	+100	0,5	700 (*70*)
T-ECOPUR	SKF Ecomid	–40	+110	0,5	700 (*70*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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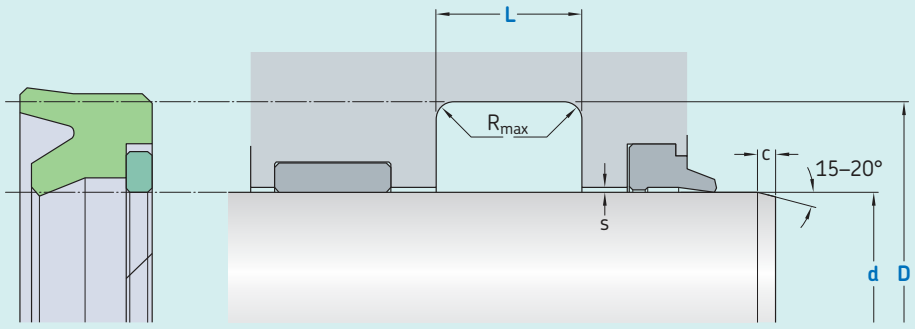
S02-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**		
d f8		D H10	L + 0,2	R_{max}	c	s*		
over	incl.					20 bar	100 bar	250 bar
mm						mm		
23	**25**	d + 8	6,3	0,4	3,5	0,60	0,80	0,52
25	**50**	d + 10	8,0	0,4	4,0	1,00	1,00	0,66
50	**150**	d + 15	10,0	0,4	5,0	1,50	1,40	0,78
150	**300**	d + 20	14,0	0,4	6,0	2,00	1,66	0,88
300	**500**	d + 25	17,0	0,4	8,5	2,50	1,91	1,00
500	**700**	d + 30	25,0	0,4	10,0	3,00	2,18	1,13
700		d + 40	32,0	0,4	13,0	3,00	2,18	1,13

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S02-R**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Back-up ring	**SKF Ecorubber-1 / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring[3]	from	to	max	max
		°C		m/s	bar *(MPa)*
■ SKF Ecorubber-1	■ SKF Ecotal	–30	+100	0,5	250 *(25)*
■ SKF Ecorubber-1	■ SKF Ecomid	–30	+100	0,5	250 *(25)*
■ SKF Ecorubber-H	■ SKF Ecoflon 2	–25	+150	0,5	250 *(25)*
■ SKF Ecorubber-H	■ SKF Ecotal	–25	+100	0,5	250 *(25)*
■ SKF Ecorubber-H	■ SKF Ecomid	–25	+110	0,5	250 *(25)*
■ SKF Ecorubber-2	■ SKF Ecoflon 2	–20	+200	0,5	250 *(25)*
■ SKF Ecorubber-3	■ SKF Ecoflon 2	–50	+150	0,5	250 *(25)*
■ SKF Ecorubber-3	■ SKF Ecotal	–50	+100	0,5	250 *(25)*
■ SKF Ecorubber-3	■ SKF Ecomid	–40	+110	0,5	250 *(25)*
■ SKF Ecoflas	■ SKF Ecopaek	–10	+200	0,5	250 *(25)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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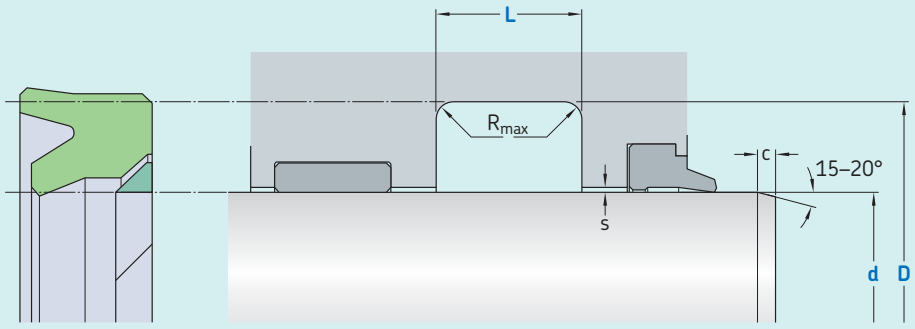
S02-RD



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	250 bar
mm						mm		
16	**25**	d + 8	6,3	0,4	3,5	0,60	0,80	0,52
25	**50**	d + 10	8,0	0,4	4,0	1,00	1,00	0,66
50	**150**	d + 15	10,0	0,4	5,0	1,50	1,40	0,78
150	**300**	d + 20	14,0	0,4	6,0	2,00	1,66	0,88
300	**500**	d + 25	17,0	0,4	8,5	2,50	1,91	1,00
500	**700**	d + 30	25,0	0,4	10,0	3,00	2,18	1,13
700		d + 40	32,0	0,4	13,0	3,00	2,18	1,13

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S02-RD**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Back-up ring	**SKF Ecorubber-1 / SKF Ecotal**

S02-RD

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring[3]	from	to	max	max
		°C		m/s	bar *(MPa)*
■ SKF Ecorubber-1	■ SKF Ecotal	–30	+100	0,5	250 *(25)*
■ SKF Ecorubber-1	■ SKF Ecomid	–30	+100	0,5	250 *(25)*
■ SKF Ecorubber-H	■ SKF Ecoflon 2	–25	+150	0,5	250 *(25)*
■ SKF Ecorubber-H	■ SKF Ecotal	–25	+100	0,5	250 *(25)*
■ SKF Ecorubber-H	■ SKF Ecomid	–25	+110	0,5	250 *(25)*
■ SKF Ecorubber-2	■ SKF Ecoflon 2	–20	+200	0,5	250 *(25)*
■ SKF Ecorubber-3	■ SKF Ecoflon 2	–50	+150	0,5	250 *(25)*
■ SKF Ecorubber-3	■ SKF Ecotal	–50	+100	0,5	250 *(25)*
■ SKF Ecorubber-3	■ SKF Ecomid	–40	+110	0,5	250 *(25)*
■ SKF Ecoflas	■ SKF Ecopaek	–10	+200	0,5	250 *(25)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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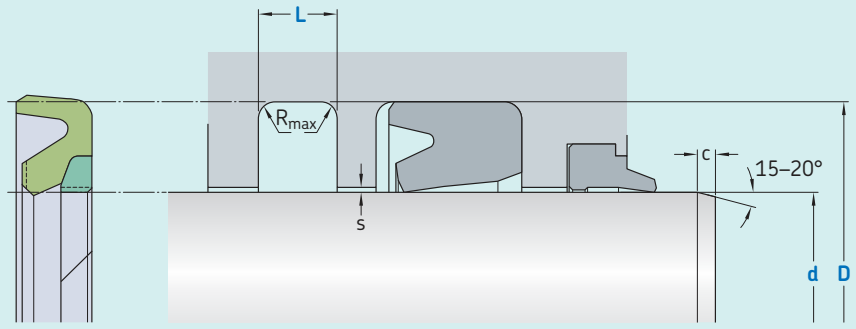
S02-S



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 100 bar	200 bar	400 bar	600 bar
mm						mm			
10	**19**	d + 7,3	3,2	0,6	3,5	0,4	0,25	0,15	0,05
19	**38**	d + 10,7	4,2	1,0	4,5	0,4	0,25	0,20	0,10
38	**200**	d + 15,1	6,3	1,3	5,0	0,5	0,30	0,20	0,10
200	**256**	d + 20,5	8,1	1,8	6,0	0,6	0,35	0,25	0,15
256	**600**	d + 24,0	8,1	1,8	8,0	0,6	0,35	0,25	0,15

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S02-S**
d x D x L [mm]	**100 x 115 x 6,3**
Sealing material / Back-up ring	**ECOPUR / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring[3]	from	to	max	max
		°C		m/s	bar *(MPa)*
ECOPUR	SKF Ecotal	–30	+100	0,5	400 *(40)*
ECOPUR	SKF Ecomid	–30	+110	0,5	400 *(40)*
H-ECOPUR	SKF Ecotal	–20	+100	0,5	400 *(40)*
H-ECOPUR	SKF Ecomid	–20	+110	0,5	400 *(40)*
S-ECOPUR	SKF Ecotal	–20	+100	0,5	400 *(40)*
S-ECOPUR	SKF Ecomid	–20	+110	0,5	400 *(40)*
T-ECOPUR	SKF Ecotal	–50	+100	0,5	400 *(40)*
T-ECOPUR	SKF Ecomid	–40	+110	0,5	400 *(40)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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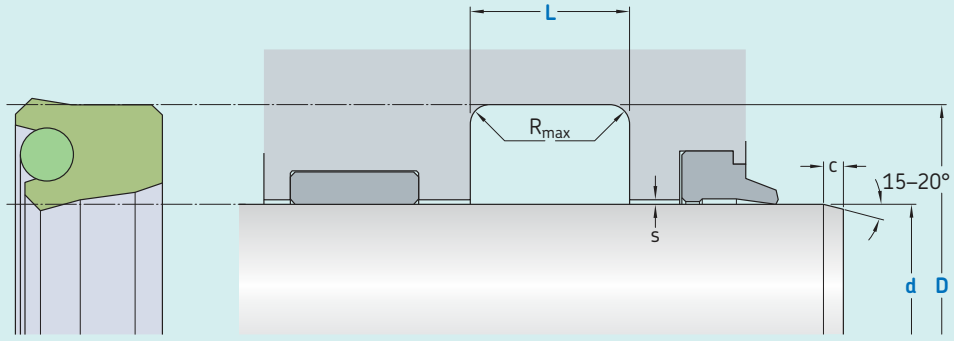
S03-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
5	**25**	d + 8	6,3	0,4	3,5	0,33	0,18	0,10	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,23	0,15	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,33	0,25	0,18
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,38	0,33	0,25
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,45	0,40	0,33
500	**600**	d + 30	25,0	0,4	10,0	0,67	0,50	0,45	0,40
600	**1 000**	d + 40	32,0	0,4	13,0	0,67	0,50	0,45	0,40
1 000	**1 600**	d + 50	40,0	0,4	15,0	0,80	0,60	0,50	0,40
1 600	**2 000**	d + 60	47,0	0,4	18,0	0,90	0,70	0,50	0,40
2 000	**2 500**	d + 80	62,0	0,4	20,0	0,90	0,70	0,50	0,40

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S03-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Energizer	**ECOPUR / NBR 70**

S03-P

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Energizer	from	to	max	max
		°C		m/s	bar *(MPa)*
ECOPUR	NBR 70	–30	+100	0,5	400 *(40)*
ECOPUR LD	NBR 70	–30	+100	0,5	400 *(40)*
G-ECOPUR	NBR 70	–30	+100	0,5	400 *(40)*
H-ECOPUR	NBR 70	–20	+100	0,5	400 *(40)*
S-ECOPUR	NBR 70	–20	+100	0,5	400 *(40)*
T-ECOPUR	MVQ 70	–50	+100	0,5	400 *(40)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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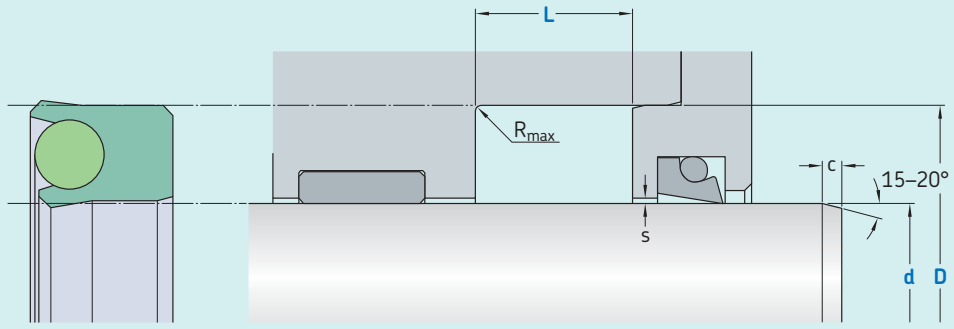
S03-F



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**			
d f8		D H10	L + 0,2	R_{max}	c	s*			
over	incl.					20 bar	100 bar	200 bar	400 bar
mm						mm			
5	**25**	d + 8	6,3	0,4	3,5	0,40	0,20	0,15	0,09
25	**50**	d + 10	8,0	0,4	4,0	0,45	0,22	0,17	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,75	0,40	0,33	0,18
150	**300**	d + 20	14,0	0,4	6,0	0,87	0,48	0,38	0,20
300	**500**	d + 25	17,0	0,4	8,5	0,87	0,48	0,38	0,20
500	**600**	d + 30	25,0	0,4	10,0	0,87	0,48	0,38	0,20

***** Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S03-F**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Energizer	**SKF Ecoflon 3 / FPM75**

S03-F

Operating parameters

Material Seal	Energizer	Temperature		Speed[1]	Pressure[2]
		from	to	max	max
		°C		m/s	bar *(MPa)*
SKF Ecoflon 1	NBR 70	–30	+100	1,0	200 *(20)*
SKF Ecoflon 1	MVQ 70	–55	+200	1,0	200 *(20)*
SKF Ecoflon 2	NBR 70	–30	+100	1,0	400 *(40)*
SKF Ecoflon 2	FPM 75	–20	+200	1,0	400 *(40)*
SKF Ecoflon 2	EPDM 70	–50	+150	1,0	400 *(40)*
SKF Ecoflon 2	MVQ 70	–55	+200	1,0	400 *(40)*
SKF Ecoflon 3	NBR 70	–30	+100	1,0	400 *(40)*
SKF Ecoflon 3	FPM 75	–20	+200	1,0	400 *(40)*
SKF Ecoflon 3	EPDM 70	–50	+150	1,0	400 *(40)*
SKF Ecoflon 3	MVQ 70	–55	+200	1,0	400 *(40)*
SKF Ecoflon 4	NBR 70	–30	+100	1,0	400 *(40)*
SKF Ecoflon 4	FPM 75	–20	+200	1,0	400 *(40)*
SKF Ecoflon 4	EPDM 70	–50	+150	1,0	400 *(40)*
SKF Ecoflon 4	MVQ 70	–55	+200	1,0	400 *(40)*
SKF Ecowear 1000	NBR 70	–30	+90	0,5	200 *(20)*
SKF Ecowear 1000	MVQ 70	–55	+90	0,5	200 *(20)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.
[2] Pressure ratings depend on the size of the extrusion gap.

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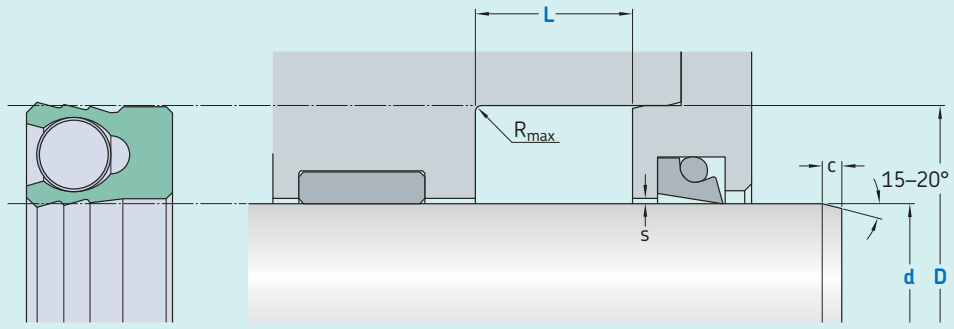
S03-S



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	300 bar	400 bar
mm						mm				
6	**10**	d + 4	3,5	0,4	2,0	0,25	0,12	0,10	0,08	0,07
10	**30**	d + 6	5,0	0,4	3,0	0,35	0,17	0,12	0,10	0,08
30	**120**	d + 10	8,0	0,4	4,0	0,45	0,22	0,17	0,12	0,10
120	**200**	d + 15	11,5	0,4	5,0	0,75	0,40	0,33	0,25	0,18
200	**250**	d + 20	13,0	0,4	6,0	0,87	0,48	0,38	0,28	0,20
250	**500**	d + 25	18,5	0,4	8,5	0,87	0,48	0,38	0,28	0,20
500	**1 600**	d + 30	23,0	0,4	10,0	0,87	0,48	0,38	0,28	0,20

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S03-S**
d x D x L [mm]	**100 x 112 x 10**
Sealing material / Spring	**SKF Ecoflon 3 / 1.4310**

Operating parameters

Material Seal	Spring	Temperature		Speed[1]	Pressure[2]
		from	to	max	max
		°C		m/s	bar *(MPa)*
SKF Ecoflon 1	1.431	–200	+260	1	200 *(20)*
SKF Ecoflon 2	1.431	–200	+260	1	400 *(40)*
SKF Ecoflon 3	1.431	–200	+260	1	400 *(40)*
SKF Ecoflon 4	1.431	–200	+260	1	400 *(40)*
SKF Ecowear 1000	1.431	–200	+90	0,5	200 *(20)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.
[2] Pressure ratings depend on the size of the extrusion gap.

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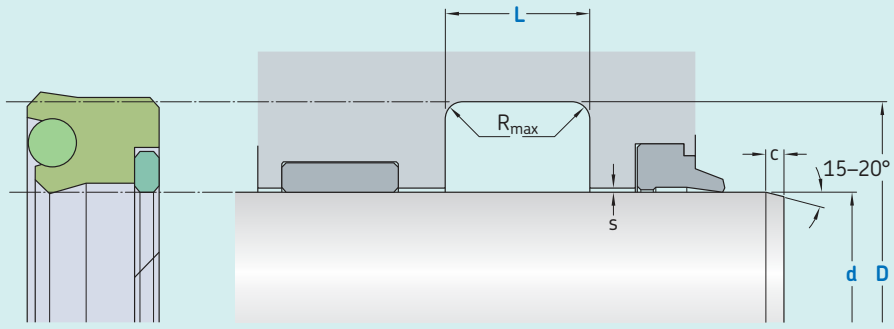
S04-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	400 bar	700 bar
mm						mm			
22	**25**	d + 8	6,3	0,4	3,5	0,80	0,80	0,30	0,04
25	**50**	d + 10	8,0	0,4	4,0	1,00	1,00	0,37	0,04
50	**150**	d + 15	10,0	0,4	5,0	1,50	1,47	0,46	0,05
150	**300**	d + 20	14,0	0,4	6,0	2,00	1,77	0,54	0,06
300	**500**	d + 25	17,0	0,4	8,5	2,50	2,06	0,62	0,06
500	**600**	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,06
600	**1000**	d + 40	32,0	0,4	13,0	3,00	2,43	0,76	[2]
1000	**1600**	d + 50	40,0	0,4	15,0	3,00	2,43	0,76	[2]

[1] Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.
[2] Please contact SKF.

Ordering example

Profile	**Rod seal S04-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Energizer / Back-up ring	**ECOPUR / NBR 70 / SKF Ecotal**

Operating parameters

Material Seal	Energizer	Back-up ring[3]	Temperature from	to	Speed[1] max	Pressure[2] max
			°C		m/s	bar (*MPa*)
ECOPUR	NBR 70	SKF Ecotal	–30	+100	0,5	700 (*70*)
ECOPUR	NBR 70	SKF Ecomid	–30	+100	0,5	700 (*70*)
ECOPUR LD	NBR 70	SKF Ecomid	–30	+100	0,5	700 (*70*)
G-ECOPUR	NBR 70	SKF Ecomid	–30	+100	0,5	700 (*70*)
H-ECOPUR	NBR 70	SKF Ecotal	–20	+100	0,5	700 (*70*)
H-ECOPUR	NBR 70	SKF Ecomid	–20	+100	0,5	700 (*70*)
S-ECOPUR	NBR 70	SKF Ecotal	–20	+100	0,5	700 (*70*)
S-ECOPUR	NBR 70	SKF Ecomid	–20	+100	0,5	700 (*70*)
T-ECOPUR	MVQ 70	SKF Ecotal	–50	+100	0,5	700 (*70*)
T-ECOPUR	MVQ 70	SKF Ecomid	–40	+100	0,5	700 (*70*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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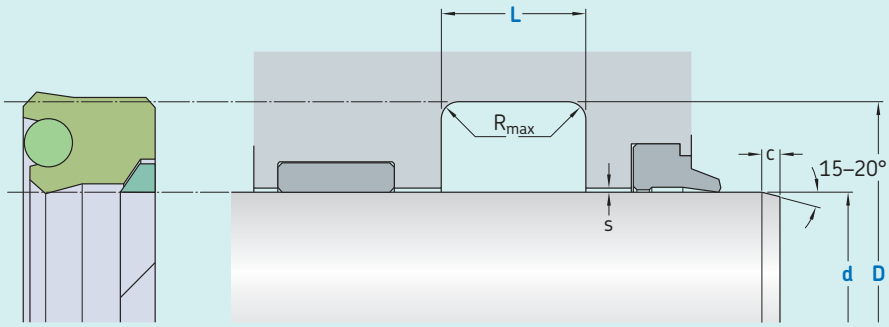
S04-PD



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** $s^{1)}$ 20 bar	100 bar	400 bar	700 bar
mm						mm			
16	**25**	d + 8	6,3	0,4	3,5	0,80	0,80	0,30	0,04
25	**50**	d + 10	8,0	0,4	4,0	1,00	1,00	0,37	0,04
50	**150**	d + 15	10,0	0,4	5,0	1,50	1,47	0,46	0,05
150	**300**	d + 20	14,0	0,4	6,0	2,00	1,77	0,54	0,06
300	**500**	d + 25	17,0	0,4	8,5	2,50	2,06	0,62	0,06
500	**600**	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,06
600	**1000**	d + 40	32,0	0,4	13,0	3,00	2,43	0,76	2)
1000	**1600**	d + 50	40,0	0,4	15,0	3,00	2,43	0,76	2)

1) Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.
2) Please contact SKF.

Ordering example

Profile	**Rod seal S04-PD**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Energizer / Back-up ring	**ECOPUR / NBR 70 / SKF Ecotal**

S04-PD

Operating parameters

Material Seal	Energizer	Back-up ring[3]	Temperature from	to	Speed[1] max	Pressure[2] max
			°C		m/s	bar (*MPa*)
ECOPUR	NBR 70	SKF Ecotal	–30	+100	0,5	700 (*70*)
ECOPUR	NBR 70	SKF Ecomid	–30	+100	0,5	700 (*70*)
ECOPUR LD	NBR 70	SKF Ecomid	–30	+100	0,5	700 (*70*)
G-ECOPUR	NBR 70	SKF Ecomid	–30	+100	0,5	700 (*70*)
H-ECOPUR	NBR 70	SKF Ecotal	–20	+100	0,5	700 (*70*)
H-ECOPUR	NBR 70	SKF Ecomid	–20	+100	0,5	700 (*70*)
S-ECOPUR	NBR 70	SKF Ecotal	–20	+100	0,5	700 (*70*)
S-ECOPUR	NBR 70	SKF Ecomid	–20	+100	0,5	700 (*70*)
T-ECOPUR	MVQ 70	SKF Ecotal	–50	+100	0,5	700 (*70*)
T-ECOPUR	MVQ 70	SKF Ecomid	–40	+100	0,5	700 (*70*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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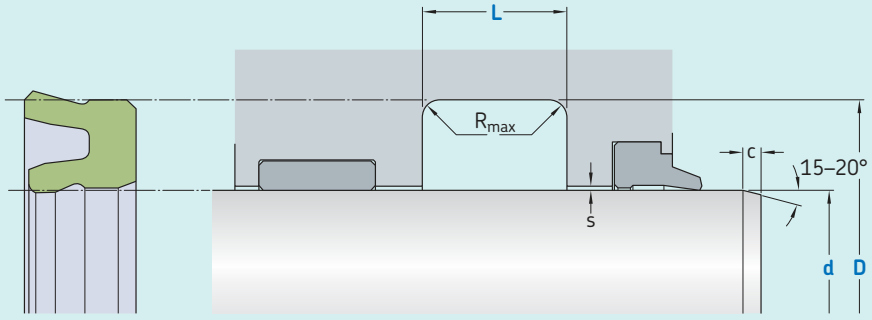
S05-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 over	incl.	D H10	L + 0,2	R_{max}	c	s* 25 bar
mm						
5	**25**	d + 8	6,3	0,4	3,5	0,33
25	**50**	d + 10	8,0	0,4	4,0	0,37
50	**150**	d + 12	9,0	0,4	5,0	0,46
150	**300**	d + 16	14,0	0,4	6,0	0,54
300	**500**	d + 20	17,0	0,4	8,5	0,61
500	**700**	d + 24	25,0	0,4	10,0	0,67
700	**1 000**	d + 30	32,0	0,4	13,0	0,67
1 000		d + 40	32,0	0,4	13,0	0,67

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S05-P**
d x D x L [mm]	**100 x 112 x 10**
Sealing material	**ECOPUR**

S05-P

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure
	from	to	max	max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	1	25 (*2,5*)
ECOPUR LD	–35	+110	1	25 (*2,5*)
G-ECOPUR	–30	+110	1	25 (*2,5*)
H-ECOPUR	–20	+110	1	25 (*2,5*)
S-ECOPUR	–20	+110	2	25 (*2,5*)
T-ECOPUR	–50	+110	1	25 (*2,5*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.

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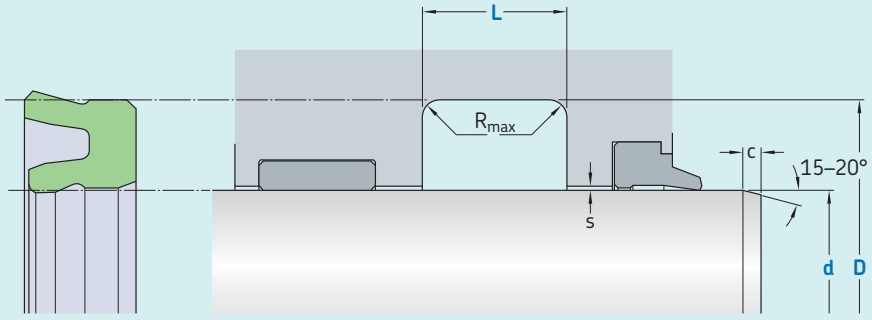
S05-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 over	incl.	D H10	L + 0,2	R_{max}	c	s* 25 bar
mm						
5	**25**	d + 8	6,3	0,4	3,5	0,23
25	**50**	d + 10	8,0	0,4	4,0	0,26
50	**150**	d + 12	10,0	0,4	5,0	0,29
150	**300**	d + 16	14,0	0,4	6,0	0,32
300	**500**	d + 20	17,0	0,4	8,5	0,35
500	**700**	d + 24	25,0	0,4	10,0	0,39
700	**1 000**	d + 30	32,0	0,4	13,0	0,40
1 000		d + 40	32,0	0,4	13,0	0,40

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S05-R**
d x D x L [mm]	**100 x 112 x 10**
Sealing material	**SKF Ecorubber-1**

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure
	from	to	max	max
	°C		m/s	bar (*MPa*)
■ SKF Ecorubber-1	–30	+100	1	25 (*2,5*)
■ SKF Ecorubber-H	–25	+150	1	25 (*2,5*)
■ SKF Ecorubber-2	–20	+200	1	25 (*2,5*)
■ SKF Ecorubber-3	–50	+150	1	25 (*2,5*)
■ SKF Ecoflas	–10	+200	1	25 (*2,5*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.

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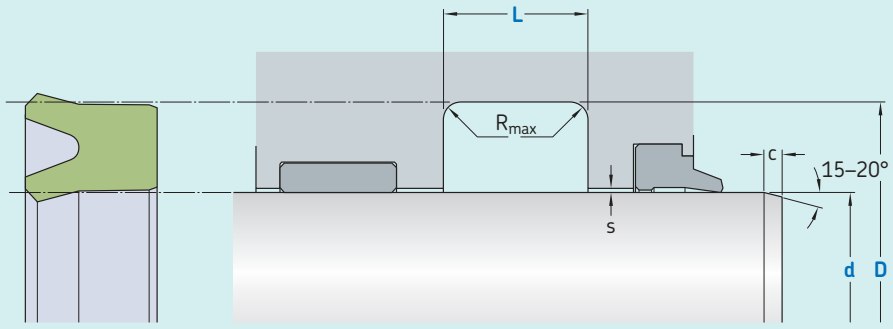
S06-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
6	**25**	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**700**	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39
700		d + 40	32,0	0,4	13,0	0,67	0,52	0,45	0,39

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S06-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**ECOPUR**

S06-P

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,5	400 (*40*)
ECOPUR LD	–35	+110	0,5	400 (*40*)
G-ECOPUR	–30	+110	0,5	400 (*40*)
H-ECOPUR	–20	+110	0,5	400 (*40*)
S-ECOPUR	–20	+110	0,5	400 (*40*)
T-ECOPUR	–50	+110	0,5	400 (*40*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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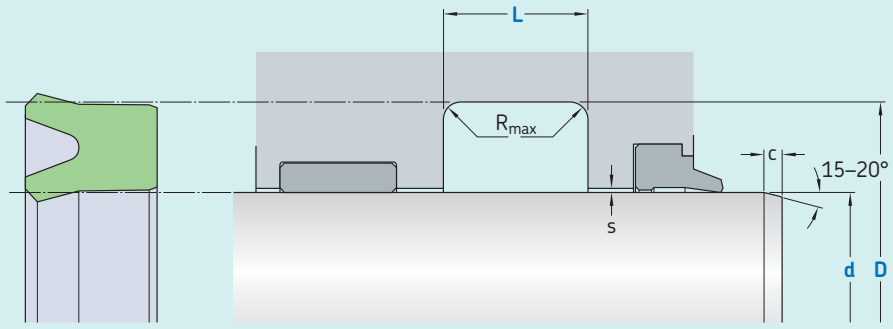
S06-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**		
d f8		D H10	L + 0,2	R_{max}	c	s*		
over	incl.					20 bar	100 bar	160 bar
mm						mm		
6	**25**	d + 8	6,3	0,4	3,5	0,23	0,16	0,14
25	**50**	d + 10	8,0	0,4	4,0	0,26	0,19	0,17
50	**150**	d + 15	10,0	0,4	5,0	0,31	0,24	0,22
150	**300**	d + 20	14,0	0,4	6,0	0,34	0,27	0,25
300	**500**	d + 25	17,0	0,4	8,5	0,37	0,30	0,29
500	**700**	d + 30	25,0	0,4	10,0	0,40	0,34	0,32
700		d + 40	32,0	0,4	13,0	0,40	0,34	0,32

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S06-R**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**SKF Ecorubber-1**

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
■ SKF Ecorubber-1	–30	+100	0,5	160 (*16*)
■ SKF Ecorubber-H	–25	+150	0,5	160 (*16*)
■ SKF Ecorubber-2	–20	+200	0,5	160 (*16*)
■ SKF Ecorubber-3	–50	+150	0,5	160 (*16*)
■ SKF Ecoflas	–10	+200	0,5	160 (*16*)
■ SKF Ecosil[3]	–60	+200	–	–

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Only recommended for static or quasi-static applications.

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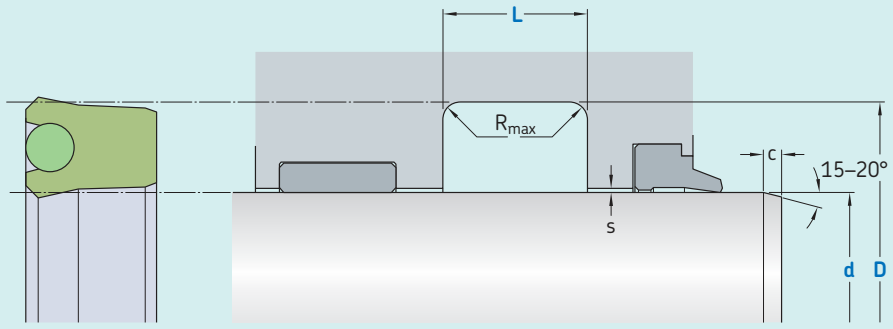
S07-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
5	**25**	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**600**	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39
600	**1000**	d + 40	32,0	0,4	13,0	0,67	0,52	0,45	0,40
1000	**1600**	d + 50	40,0	0,4	15,0	0,80	0,60	0,50	0,40

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S07-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Energizer	**ECOPUR / NBR 70**

S07-P

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Energizer	from	to	max	max
		°C		m/s	bar *(MPa)*
ECOPUR	NBR 70	–30	+100	0,5	400 *(40)*
ECOPUR LD	NBR 70	–30	+100	0,5	400 *(40)*
G-ECOPUR	NBR 70	–30	+100	0,5	400 *(40)*
H-ECOPUR	NBR 70	–20	+100	0,5	400 *(40)*
S-ECOPUR	NBR 70	–20	+100	0,5	400 *(40)*
T-ECOPUR	MVQ 70	–50	+100	0,5	400 *(40)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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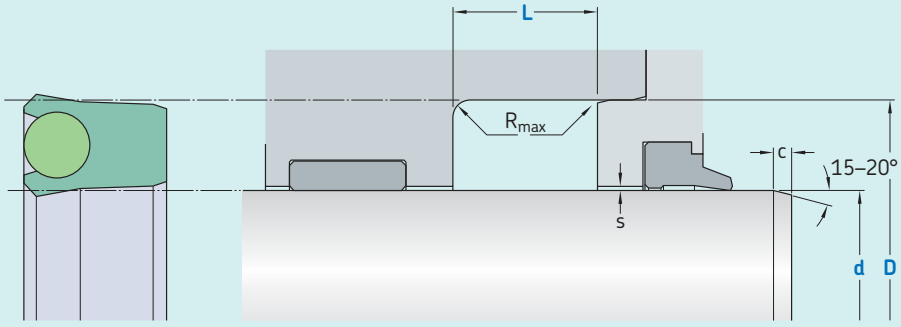
S07-F



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**			
d f8		D H10	L + 0,2	R_{max}	c	s*			
over	incl.					20 bar	100 bar	200 bar	400 bar
mm						mm			
5	**25**	d + 8	6,3	0,4	3,5	0,40	0,20	0,15	0,09
25	**50**	d + 10	8,0	0,4	4,0	0,45	0,22	0,17	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,75	0,40	0,33	0,18
150	**300**	d + 20	14,0	0,4	6,0	0,87	0,48	0,38	0,20
300	**500**	d + 25	17,0	0,4	8,5	0,87	0,48	0,38	0,20
500	**600**	d + 30	25,0	0,4	10,0	0,87	0,48	0,38	0,20

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S07-F**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Energizer	**SKF Ecoflon 3 / FPM 75**

S07-F

Operating parameters

Material Seal	Energizer	Temperature		Speed[1]	Pressure[2]
		from	to	max	max
		°C		m/s	bar *(MPa)*
SKF Ecoflon 1	NBR 70	–30	+100	1,0	200 *(20)*
SKF Ecoflon 1	MVQ 70	–55	+200	1,0	200 *(20)*
SKF Ecoflon 2	NBR 70	–30	+100	1,0	400 *(40)*
SKF Ecoflon 2	FPM 75	–20	+200	1,0	400 *(40)*
SKF Ecoflon 2	EPDM 70	–50	+150	1,0	400 *(40)*
SKF Ecoflon 2	MVQ 70	–55	+200	1,0	400 *(40)*
SKF Ecoflon 3	NBR 70	–30	+100	1,0	400 *(40)*
SKF Ecoflon 3	FPM 75	–20	+200	1,0	400 *(40)*
SKF Ecoflon 3	EPDM 70	–50	+150	1,0	400 *(40)*
SKF Ecoflon 3	MVQ 70	–55	+200	1,0	400 *(40)*
SKF Ecoflon 4	NBR 70	–30	+100	1,0	400 *(40)*
SKF Ecoflon 4	FPM 75	–20	+200	1,0	400 *(40)*
SKF Ecoflon 4	EPDM 70	–50	+150	1,0	400 *(40)*
SKF Ecoflon 4	MVQ 70	–55	+200	1,0	400 *(40)*
SKF Ecowear 1000	NBR 70	–30	+90	0,5	200 *(20)*
SKF Ecowear 1000	MVQ 70	–55	+90	0,5	200 *(20)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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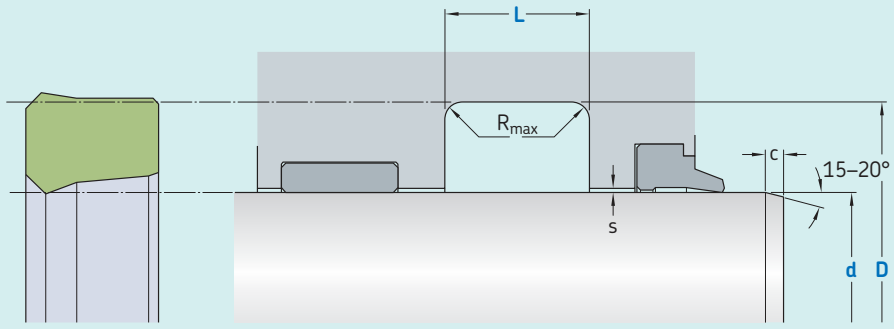
S08-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
5	**25**	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**600**	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39
600		d + 40	32,0	0,4	13,0	0,67	0,52	0,45	0,39

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S08-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**ECOPUR**

S08-P

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,3	400 (*40*)
H-ECOPUR	–20	+110	0,3	400 (*40*)
S-ECOPUR	–20	+110	0,3	400 (*40*)
T-ECOPUR	–50	+110	0,3	400 (*40*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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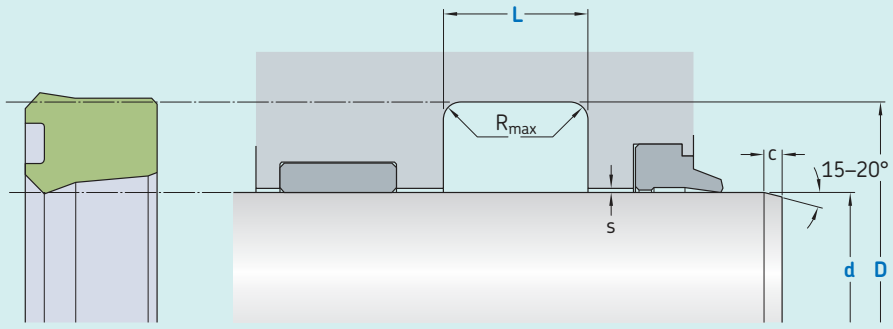
S08-PE



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**			
d f8		D H10	L + 0,2	R_{max}	c	s*			
over	incl.					20 bar	100 bar	200 bar	400 bar
mm						mm			
5	**25**	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**600**	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S08-PE**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**ECOPUR**

S08-PE

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,3	400 (*40*)
H-ECOPUR	–20	+110	0,3	400 (*40*)
S-ECOPUR	–20	+110	0,3	400 (*40*)
T-ECOPUR	–50	+110	0,3	400 (*40*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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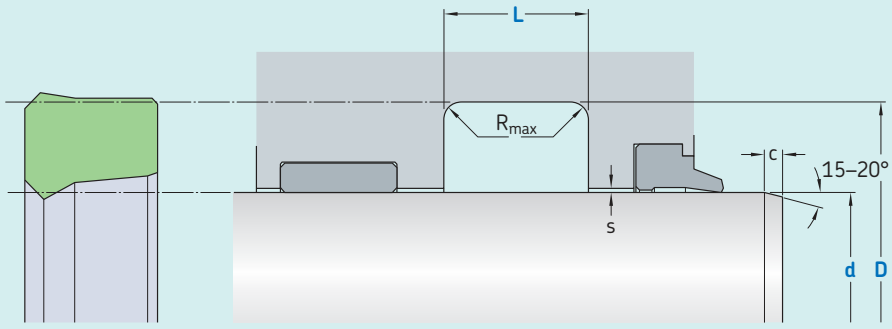
S08-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**		
d f8		D H10	L + 0,2	R_{max}	c	s*		
over	incl.					20 bar	100 bar	160 bar
mm						mm		
5	**25**	d + 8	6,3	0,4	3,5	0,23	0,16	0,14
25	**50**	d + 10	8,0	0,4	4,0	0,26	0,19	0,17
50	**150**	d + 15	10,0	0,4	5,0	0,31	0,24	0,22
150	**300**	d + 20	14,0	0,4	6,0	0,34	0,27	0,25
300	**500**	d + 25	17,0	0,4	8,5	0,37	0,30	0,29
500	**600**	d + 30	25,0	0,4	10,0	0,40	0,34	0,32

***** Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod seal S08-R**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**SKF Ecorubber-1**

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
■ SKF Ecorubber-1	–30	+100	0,3	160 (*16*)
■ SKF Ecorubber-H	–25	+150	0,3	160 (*16*)
■ SKF Ecorubber-2	–20	+200	0,3	160 (*16*)
■ SKF Ecorubber-3	–50	+150	0,3	160 (*16*)
■ SKF Ecoflas	–10	+200	0,3	160 (*16*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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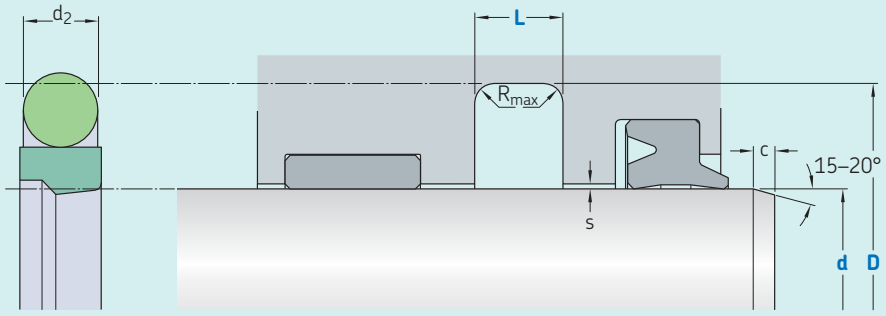
S09-E



Ordering dimensions in **blue**

Surface roughness **TPU/ PTFE**

	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3/0,2*
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%
* Lower value valid for PTFE

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	d_2	**Maximal radial extrusion gap** s* 100 bar	200 bar	400 bar	600 bar
mm							mm			
TPU and SKF Ecowear 1000										
4	**8**	d + 4,9	2,2	0,4	2,5	1,78	0,3	0,30	0,20	0,10
8	**19**	d + 7,3	3,2	0,6	3,5	2,62	0,4	0,30	0,20	0,10
19	**38**	d + 10,7	4,2	1,0	4,5	3,53	0,5	0,40	0,30	0,20
38	**200**	d + 15,1	6,3	1,3	5,0	5,33	0,5	0,40	0,30	0,20
200	**256**	d + 20,5	8,1	1,8	6,0	7,00	0,7	0,50	0,40	0,20
256	**650**	d + 24,0	8,1	1,8	8,0	7,00	0,7	0,50	0,40	0,20
650	**1 000**	d + 27,3	9,5	2,5	10,0	8,40	0,8	0,70	0,50	0,30
1 000	**3 000**	d + 38,0	13,8	3,0	12,0	12,00	1,1	0,80	0,70	0,40
PTFE										
4	**8**	d + 4,9	2,2	0,4	2,5	1,78	0,3	0,20	0,15	0,05
8	**19**	d + 7,3	3,2	0,6	3,5	2,62	0,4	0,25	0,15	0,05
19	**38**	d + 10,7	4,2	1,0	4,5	3,53	0,4	0,25	0,20	0,10
38	**200**	d + 15,1	6,3	1,3	5,0	5,33	0,5	0,30	0,20	0,10
200	**256**	d + 20,5	8,1	1,8	6,0	7,00	0,6	0,35	0,25	0,15
256	**650**	d + 24,0	8,1	1,8	8,0	7,00	0,6	0,35	0,25	0,15
650	**1 000**	d + 27,3	9,5	2,5	10,0	8,40	0,7	0,50	0,30	0,20
1 000	**2 000**	d + 38,0	13,8	3,0	12,0	12,00	1,0	0,70	0,60	0,30

* Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.

Ordering example

Profile	**S09-E**
d x D x L [mm]	**100 x 115,1 x 6,3**
Sealing material / Energizer	**X-ECOPUR / NBR 70 or SKF Ecoflon 3 / NBR 70**

Operating parameters

Material Glide ring	Energizer	Temperature from	 to	Speed[1] max	Pressure[2] max
		°C		m/s	bar *(MPa)*
X-ECOPUR	NBR 70	–30	+100	5	600 *(60)*
X-ECOPUR	MVQ 70	–55	+100	5	600 *(60)*
G-ECOPUR 54D	NBR 70	–30	+100	5	600 *(60)*
G-ECOPUR 54D	MVQ 70	–55	+100	5	600 *(60)*
X-ECOPUR H	NBR 70	–30	+100	5	600 *(60)*
X-ECOPUR H	MVQ 70	–55	+100	5	600 *(60)*
X-ECOPUR S	NBR 70	–30	+100	5	600 *(60)*
X-ECOPUR S	MVQ 70	–55	+100	5	600 *(60)*
SKF Ecoflon 2	NBR 70	–30	+100	10	600 *(60)*
SKF Ecoflon 2	FPM 75	–20	+200	10	600 *(60)*
SKF Ecoflon 3	NBR 70	–30	+100	10	600 *(60)*
SKF Ecoflon 3	FPM 75	–20	+200	10	600 *(60)*
SKF Ecoflon 4	NBR 70	–30	+100	10	600 *(60)*
SKF Ecoflon 4	FPM 75	–20	+200	10	600 *(60)*
SKF Ecowear 1000	NBR 70	–30	+90	5	400 *(40)*
SKF Ecowear 1000	MVQ 70	–55	+90	5	400 *(40)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.
[2] Pressure ratings depend on the size of the extrusion gap.

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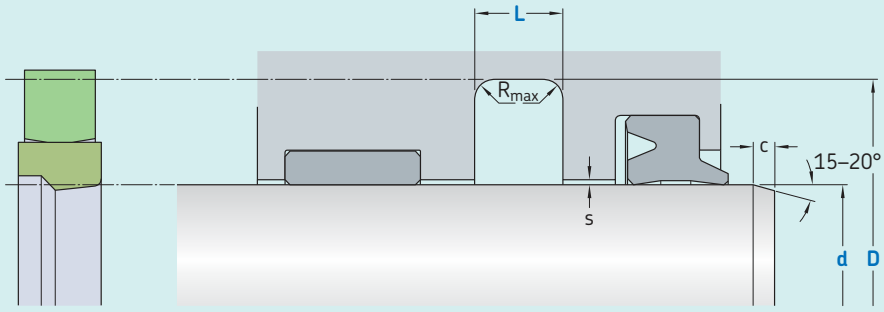
S09-ES



Ordering dimensions in **blue**

Surface roughness **TPU/ PTFE**

	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5 / ≤ 2*	0,05–0,3/0,2*
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%
* Lower value valid for PTFE

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 100 bar	200 bar	400 bar	600 bar
mm						mm			
TPU and SKF Ecowear 1000									
4	**50**	d + 10	5,0	0,2	4,0	0,50	0,4	0,30	0,20
50	**60**	d + 15	7,5	0,3	5,0	0,50	0,4	0,30	0,20
60	**200**	d + 20	10,0	0,4	6,0	0,70	0,5	0,40	0,20
200	**300**	d + 25	12,5	0,4	8,5	0,80	0,6	0,50	0,30
300	**530**	d + 30	15,0	0,8	10,0	0,90	0,7	0,60	0,30
530	**680**	d + 35	17,5	1,2	11,5	1,00	0,8	0,70	0,30
680	**1 500**	d + 40	20,0	1,2	13,0	1,10	0,9	0,80	0,40
PTFE									
4	**50**	d + 10	5,0	0,2	4,0	0,40	0,3	0,20	0,10
50	**60**	d + 15	7,5	0,3	5,0	0,50	0,3	0,20	0,10
60	**200**	d + 20	10,0	0,4	6,0	0,60	0,4	0,25	0,15
200	**300**	d + 25	12,5	0,4	8,5	0,60	0,4	0,25	0,15
300	**530**	d + 30	15,0	0,8	10,0	0,70	0,5	0,30	0,20
530	**680**	d + 35	17,5	1,2	11,5	0,80	0,6	0,50	0,20
680	**1 500**	d + 40	20,0	1,2	13,0	1,00	0,7	0,60	0,30

* Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.

Ordering example

Profile	**S09-ES**
d x D x L [mm]	**100 x 120 x 10**
Sealing material / Energizer	**X-ECOPUR / SKF Ecorubber-1 or SKF Ecoflon 3 / SKF Ecorubber-1**

Operating parameters

Material Glide ring	Energizer	Temperature from	 to	Speed[1] max	Pressure[2] max
		°C		m/s	bar *(MPa)*
X-ECOPUR	SKF Ecorubber-1	–30	+100	5	600 *(60)*
X-ECOPUR	SKF Ecosil	–60	+100	5	600 *(60)*
G-ECOPUR 54D	SKF Ecorubber-1	–30	+100	5	600 *(60)*
G-ECOPUR 54D	SKF Ecosil	–60	+100	5	600 *(60)*
X-ECOPUR H	SKF Ecorubber-1	–30	+100	5	600 *(60)*
X-ECOPUR H	SKF Ecosil	–60	+100	5	600 *(60)*
X-ECOPUR S	SKF Ecorubber-1	–30	+100	5	600 *(60)*
X-ECOPUR S	SKF Ecosil	–60	+100	5	600 *(60)*
SKF Ecoflon 2	SKF Ecorubber-1	–30	+100	10	600 *(60)*
SKF Ecoflon 2	SKF Ecorubber-2	–20	+200	10	600 *(60)*
SKF Ecoflon 3	SKF Ecorubber-1	–30	+100	10	600 *(60)*
SKF Ecoflon 3	SKF Ecorubber-2	–20	+200	10	600 *(60)*
SKF Ecoflon 4	SKF Ecorubber-1	–30	+100	10	600 *(60)*
SKF Ecoflon 4	SKF Ecorubber-2	–20	+200	10	600 *(60)*
SKF Ecowear 1000	SKF Ecorubber-1	–30	+90	5	400 *(40)*
SKF Ecowear 1000	SKF Ecosil	–60	+90	5	400 *(40)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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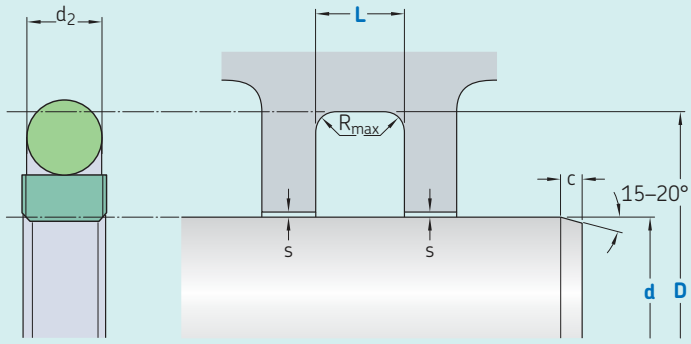
S09-D



Ordering dimensions in **blue**

Surface roughness **TPU/ PTFE**

	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5 / ≤ 2*	0,05–0,3/0,2*
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%
* Lower value valid for PTFE

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	d_2	**Maximal radial extrusion gap** s* 100 bar	200 bar	400 bar	600 bar
mm							mm			
TPU and SKF Ecowear 1000										
4	**8**	d + 4,9	2,2	0,4	2,5	1,78	0,3	0,30	0,20	0,10
8	**19**	d + 7,3	3,2	0,6	3,5	2,62	0,4	0,30	0,20	0,10
19	**38**	d + 10,7	4,2	1,0	4,5	3,53	0,5	0,40	0,30	0,20
38	**200**	d + 15,1	6,3	1,3	5,0	5,33	0,5	0,40	0,30	0,20
200	**256**	d + 20,5	8,1	1,8	6,0	7,00	0,7	0,50	0,40	0,20
256	**650**	d + 24,0	8,1	1,8	8,0	7,00	0,7	0,50	0,40	0,20
650	**1 000**	d + 27,3	9,5	2,5	10,0	8,40	0,8	0,70	0,50	0,30
1 000	**3 000**	d + 38,0	13,8	3,0	12,0	12,00	1,1	0,80	0,70	0,40
PTFE										
4	**8**	d + 4,9	2,2	0,4	2,5	1,78	0,3	0,20	0,15	0,05
8	**19**	d + 7,3	3,2	0,6	3,5	2,62	0,4	0,25	0,15	0,05
19	**38**	d + 10,7	4,2	1,0	4,5	3,53	0,4	0,25	0,20	0,10
38	**200**	d + 15,1	6,3	1,3	5,0	5,33	0,5	0,30	0,20	0,10
200	**256**	d + 20,5	8,1	1,8	6,0	7,00	0,6	0,35	0,25	0,15
256	**650**	d + 24,0	8,1	1,8	8,0	7,00	0,6	0,35	0,25	0,15
650	**1 000**	d + 27,3	9,5	2,5	10,0	8,40	0,7	0,50	0,30	0,20
1 000	**2 000**	d + 38,0	13,8	3,0	12,0	12,00	1,0	0,70	0,60	0,30

* Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.

Ordering example

Profile	**S09-D**
d x D x L [mm]	**100 x 115,1 x 6,3**
Sealing material / Energizer	**X-ECOPUR / NBR 70 or SKF Ecoflon 3 / NBR 70**

Operating parameters

Material Glide ring	Energizer	Temperature from	 to	Speed[1] max	Pressure[2] max
		°C		m/s	bar *(MPa)*
X-ECOPUR	NBR 70	–30	+100	5	600 *(60)*
X-ECOPUR	MVQ 70	–55	+100	5	600 *(60)*
G-ECOPUR 54D	NBR 70	–30	+100	5	600 *(60)*
G-ECOPUR 54D	MVQ 70	–55	+100	5	600 *(60)*
X-ECOPUR H	NBR 70	–30	+100	5	600 *(60)*
X-ECOPUR H	MVQ 70	–55	+100	5	600 *(60)*
X-ECOPUR S	NBR 70	–30	+100	5	600 *(60)*
X-ECOPUR S	MVQ 70	–55	+100	5	600 *(60)*
SKF Ecoflon 2	NBR 70	–30	+100	10	600 *(60)*
SKF Ecoflon 2	FPM 75	–20	+200	10	600 *(60)*
SKF Ecoflon 3	NBR 70	–30	+100	10	600 *(60)*
SKF Ecoflon 3	FPM 75	–20	+200	10	600 *(60)*
SKF Ecoflon 4	NBR 70	–30	+100	10	600 *(60)*
SKF Ecoflon 4	FPM 75	–20	+200	10	600 *(60)*
SKF Ecowear 1000	NBR 70	–30	+90	5	400 *(40)*
SKF Ecowear 1000	MVQ 70	–55	+90	5	400 *(40)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.
[2] Pressure ratings depend on the size of the extrusion gap.

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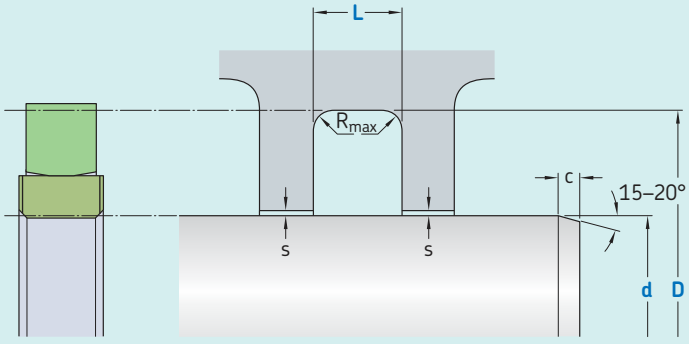
S09-DS



Ordering dimensions in **blue**

Surface roughness **TPU/ PTFE**

	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5 / ≤ 2*	0,05– 0,3 /0,2*
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%
* Lower value valid for PTFE

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 100 bar	200 bar	400 bar	600 bar
mm						mm			
TPU and SKF Ecowear 1000									
4	**50**	d + 10	5,0	0,2	4,0	0,5	0,4	0,30	0,20
50	**60**	d + 15	7,5	0,3	5,0	0,5	0,4	0,30	0,20
60	**200**	d + 20	10,0	0,4	6,0	0,7	0,5	0,40	0,20
200	**300**	d + 25	12,5	0,4	8,5	0,8	0,6	0,50	0,30
300	**530**	d + 30	15,0	0,8	10,0	0,9	0,7	0,60	0,30
530	**680**	d + 35	17,5	1,2	11,5	1,0	0,8	0,70	0,30
680	**1 500**	d + 40	20,0	1,2	13,0	1,1	0,9	0,80	0,40
PTFE									
4	**50**	d + 10	5,0	0,2	4,0	0,4	0,3	0,20	0,10
50	**60**	d + 15	7,5	0,3	5,0	0,5	0,3	0,20	0,10
60	**200**	d + 20	10,0	0,4	6,0	0,6	0,4	0,25	0,15
200	**300**	d + 25	12,5	0,4	8,5	0,6	0,4	0,25	0,15
300	**530**	d + 30	15,0	0,8	10,0	0,7	0,5	0,30	0,20
530	**680**	d + 35	17,5	1,2	11,5	0,8	0,6	0,50	0,20
680	**1 500**	d + 40	20,0	1,2	13,0	1,0	0,7	0,60	0,30

* Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.

Ordering example

Profile	**S09-DS**
d x D x L [mm]	**100 x 120 x 10**
Sealing material / Energizer	**X-ECOPUR / SKF Ecorubber-1 or SKF Ecoflon 3 / SKF Ecorubber-1**

Operating parameters

Material Glide ring	Energizer	Temperature from	 to	Speed[1] max	Pressure[2] max
		°C		m/s	bar *(MPa)*
X-ECOPUR	SKF Ecorubber-1	–30	+100	5	600 *(60)*
X-ECOPUR	SKF Ecosil	–60	+100	5	600 *(60)*
G-ECOPUR 54D	SKF Ecorubber-1	–30	+100	5	600 *(60)*
G-ECOPUR 54D	SKF Ecosil	–60	+100	5	600 *(60)*
X-ECOPUR H	SKF Ecorubber-1	–30	+100	5	600 *(60)*
X-ECOPUR H	SKF Ecosil	–60	+100	5	600 *(60)*
X-ECOPUR S	SKF Ecorubber-1	–30	+100	5	600 *(60)*
X-ECOPUR S	SKF Ecosil	–60	+100	5	600 *(60)*
SKF Ecoflon 2	SKF Ecorubber-1	–30	+100	10	600 *(60)*
SKF Ecoflon 2	SKF Ecorubber-2	–20	+200	10	600 *(60)*
SKF Ecoflon 3	SKF Ecorubber-1	–30	+100	10	600 *(60)*
SKF Ecoflon 3	SKF Ecorubber-2	–20	+200	10	600 *(60)*
SKF Ecoflon 4	SKF Ecorubber-1	–30	+100	10	600 *(60)*
SKF Ecoflon 4	SKF Ecorubber-2	–20	+200	10	600 *(60)*
SKF Ecowear 1000	SKF Ecorubber-1	–30	+90	5	400 *(40)*
SKF Ecowear 1000	SKF Ecosil	–60	+90	5	400 *(40)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.
[2] Pressure ratings depend on the size of the extrusion gap.

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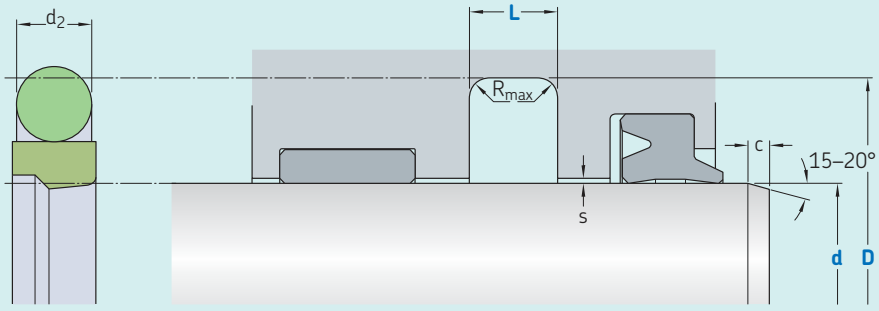
S09-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	d_2	**Maximal radial extrusion gap** s* 100 bar	160 bar	250 bar
mm							mm		
4	**8**	d + 4,9	2,2	0,4	2,5	1,78	0,30	0,25	0,20
8	**19**	d + 7,3	3,2	0,6	3,5	2,62	0,40	0,30	0,25
19	**38**	d + 10,7	4,2	1,0	4,5	3,53	0,50	0,35	0,25
38	**200**	d + 15,1	6,3	1,3	5,0	5,33	0,50	0,40	0,30
200	**256**	d + 20,5	8,1	1,8	6,0	7,00	0,70	0,50	0,35
256	**600**	d + 24,0	8,1	1,8	8,0	7,00	0,70	0,50	0,35

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S09-P**
d x D x L [mm]	**100 x 115,1 x 6,3**
Sealing material / Energizer	**ECOPUR / NBR 70**

Operating parameters

Material Glide ring	Energizer	Temperature from	 to	Speed[1] max	Pressure[2] max
		°C		m/s	bar *(MPa)*
ECOPUR	NBR 70	–30	+100	1	250 *(25)*
ECOPUR LD	NBR 70	–30	+100	1	250 *(25)*
G-ECOPUR	NBR 70	–30	+100	1	250 *(25)*
H-ECOPUR	NBR 70	–20	+100	1	250 *(25)*
S-ECOPUR	NBR 70	–20	+100	1	250 *(25)*
T-ECOPUR	MVQ 70	–50	+100	1	250 *(25)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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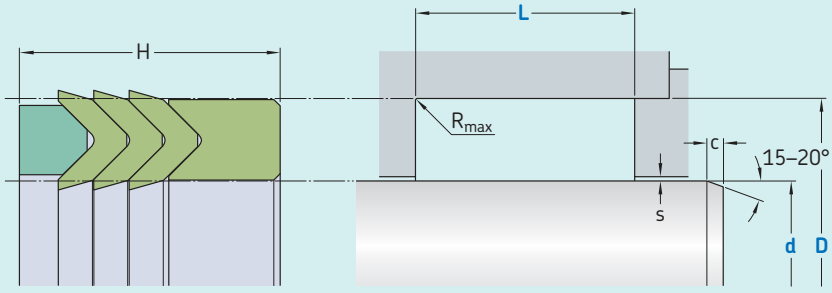
S1012-T



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 over	incl.	D H10	L + 0,2	R_{max}	c	s* 500 bar
mm						
10	**40**	d + 10	16	0,4	4	0,25
40	**75**	d + 15	25	0,4	5	0,38
75	**150**	d + 20	32	0,4	6	0,50
150	**200**	d + 25	40	0,4	8,5	0,63
200	**300**	d + 30	50	0,4	10	0,75
300		d + 40	63	0,4	13	1,00

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S1012-T**
d x D x L [mm] / Number of chevrons	**100 x 120 x 23 / 2**
Support ring / Sealing material / Pressure ring	**SKF Ecotal / ECOPUR / SKF Ecotal**

Operating parameters

Material			Temperature		Speed[1]	Pressure[2]
Support ring[3] S10-A	Chevron S11-T	Pressure ring[3] S12-T	from	to	max	max
			°C		m/s	bar (*MPa*)
SKF Ecorubber-1	ECOPUR	X-ECOPUR	–30	+100	0,5	500 (*50*)
SKF Ecorubber-1	ECOPUR	SKF Ecotal	–30	+100	0,5	500 (*50*)
SKF Ecorubber-1	ECOPUR	SKF Ecomid	–30	+100	0,5	500 (*50*)
SKF Ecotal	ECOPUR	X-ECOPUR	–30	+100	0,5	500 (*50*)
SKF Ecotal	ECOPUR	SKF Ecotal	–30	+100	0,5	500 (*50*)
SKF Ecomid	ECOPUR	X-ECOPUR	–30	+110	0,5	500 (*50*)
SKF Ecomid	ECOPUR	SKF Ecomid	–30	+110	0,5	500 (*50*)
SKF Ecorubber-1	ECOPUR LD	SKF Ecomid	–30	+100	0,5	500 (*50*)
SKF Ecomid	ECOPUR LD	SKF Ecomid	–35	+110	0,5	500 (*50*)
SKF Ecorubber-1	G-ECOPUR	G-ECOPUR 54D	–30	+100	0,5	500 (*50*)
SKF Ecomid	G-ECOPUR	G-ECOPUR 54D	–30	+110	0,5	500 (*50*)
SKF Ecorubber-1	H-ECOPUR	X-ECOPUR H	–20	+100	0,5	500 (*50*)
SKF Ecorubber-1	H-ECOPUR	SKF Ecotal	–20	+100	0,5	500 (*50*)
SKF Ecorubber-1	H-ECOPUR	SKF Ecomid	–20	+100	0,5	500 (*50*)
SKF Ecotal	H-ECOPUR	X-ECOPUR H	–20	+100	0,5	500 (*50*)
SKF Ecotal	H-ECOPUR	SKF Ecotal	–20	+100	0,5	500 (*50*)
SKF Ecomid	H-ECOPUR	X-ECOPUR H	–20	+110	0,5	500 (*50*)
SKF Ecomid	H-ECOPUR	SKF Ecomid	–20	+110	0,5	500 (*50*)
SKF Ecorubber-1	S-ECOPUR	X-ECOPUR S	–20	+100	0,5	500 (*50*)
SKF Ecorubber-1	S-ECOPUR	SKF Ecotal	–20	+100	0,5	500 (*50*)
SKF Ecorubber-1	S-ECOPUR	SKF Ecomid	–20	+100	0,5	500 (*50*)
SKF Ecotal	S-ECOPUR	X-ECOPUR S	–20	+100	0,5	500 (*50*)
SKF Ecotal	S-ECOPUR	SKF Ecotal	–20	+100	0,5	500 (*50*)
SKF Ecomid	S-ECOPUR	X-ECOPUR S	–20	+110	0,5	500 (*50*)
SKF Ecomid	S-ECOPUR	SKF Ecomid	–20	+110	0,5	500 (*50*)
SKF Ecorubber-1	T-ECOPUR	SKF Ecotal	–30	+100	0,5	500 (*50*)
SKF Ecorubber-1	T-ECOPUR	SKF Ecomid	–30	+100	0,5	500 (*50*)
SKF Ecotal	T-ECOPUR	SKF Ecotal	–50	+100	0,5	500 (*50*)
SKF Ecomid	T-ECOPUR	SKF Ecomid	–40	+110	0,5	500 (*50*)
SKF Ecoflon 2	SKF Ecorubber-1	SKF Ecoflon 2	–30	+100	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-H	SKF Ecoflon 2	–25	+150	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-H	SKF Ecopaek	–25	+150	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-2	SKF Ecoflon 2	–20	+200	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-2	SKF Ecopaek	–20	+200	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-3	SKF Ecoflon 2	–50	+150	0,5	250 (*25*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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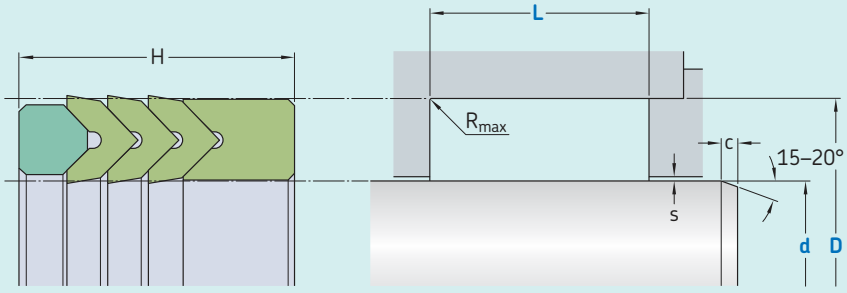
S1012-M



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 over	incl.	D H10	L + 0,2	R_{max}	c	s* 500 bar
mm						
5	**40**	d + 10	16	0,4	4	0,25
40	**75**	d + 15	25	0,4	5	0,38
75	**150**	d + 20	32	0,4	6	0,50
150	**200**	d + 25	40	0,4	8,5	0,63
200	**300**	d + 30	50	0,4	10	0,75
300		d + 40	63	0,4	13	1,00

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S1012-M**
d x D x L [mm] / Number of chevrons	**100 x 125 x 30 / 2**
Support ring / Sealing material / Pressure ring	**SKF Ecotal / ECOPUR / SKF Ecotal**

Operating parameters

Material			Temperature		Speed[1]	Pressure[2]
Support ring[3] S10-A	Chevron S11-M	Pressure ring[3] S12-M	from	to	max	max
			°C		m/s	bar (*MPa*)
SKF Ecorubber-1	ECOPUR	X-ECOPUR	–30	+100	0,5	500 (*50*)
SKF Ecorubber-1	ECOPUR	SKF Ecotal	–30	+100	0,5	500 (*50*)
SKF Ecorubber-1	ECOPUR	SKF Ecomid	–30	+100	0,5	500 (*50*)
SKF Ecotal	ECOPUR	X-ECOPUR	–30	+100	0,5	500 (*50*)
SKF Ecotal	ECOPUR	SKF Ecotal	–30	+100	0,5	500 (*50*)
SKF Ecomid	ECOPUR	X-ECOPUR	–30	+110	0,5	500 (*50*)
SKF Ecomid	ECOPUR	SKF Ecomid	–30	+110	0,5	500 (*50*)
SKF Ecorubber-1	ECOPUR LD	SKF Ecomid	–30	+100	0,5	500 (*50*)
SKF Ecomid	ECOPUR LD	SKF Ecomid	–35	+110	0,5	500 (*50*)
SKF Ecorubber-1	G-ECOPUR	G-ECOPUR 54D	–30	+100	0,5	500 (*50*)
SKF Ecomid	G-ECOPUR	G-ECOPUR 54D	–30	+110	0,5	500 (*50*)
SKF Ecorubber-1	H-ECOPUR	X-ECOPUR H	–20	+100	0,5	500 (*50*)
SKF Ecorubber-1	H-ECOPUR	SKF Ecotal	–20	+100	0,5	500 (*50*)
SKF Ecorubber-1	H-ECOPUR	SKF Ecomid	–20	+100	0,5	500 (*50*)
SKF Ecotal	H-ECOPUR	X-ECOPUR H	–20	+100	0,5	500 (*50*)
SKF Ecotal	H-ECOPUR	SKF Ecotal	–20	+100	0,5	500 (*50*)
SKF Ecomid	H-ECOPUR	X-ECOPUR H	–20	+110	0,5	500 (*50*)
SKF Ecomid	H-ECOPUR	SKF Ecomid	–20	+110	0,5	500 (*50*)
SKF Ecorubber-1	S-ECOPUR	X-ECOPUR S	–20	+100	0,5	500 (*50*)
SKF Ecorubber-1	S-ECOPUR	SKF Ecotal	–20	+100	0,5	500 (*50*)
SKF Ecorubber-1	S-ECOPUR	SKF Ecomid	–20	+100	0,5	500 (*50*)
SKF Ecotal	S-ECOPUR	X-ECOPUR S	–20	+100	0,5	500 (*50*)
SKF Ecotal	S-ECOPUR	SKF Ecotal	–20	+100	0,5	500 (*50*)
SKF Ecomid	S-ECOPUR	X-ECOPUR S	–20	+110	0,5	500 (*50*)
SKF Ecomid	S-ECOPUR	SKF Ecomid	–20	+110	0,5	500 (*50*)
SKF Ecorubber-1	T-ECOPUR	SKF Ecotal	–30	+100	0,5	500 (*50*)
SKF Ecorubber-1	T-ECOPUR	SKF Ecomid	–30	+100	0,5	500 (*50*)
SKF Ecotal	T-ECOPUR	SKF Ecotal	–50	+100	0,5	500 (*50*)
SKF Ecomid	T-ECOPUR	SKF Ecomid	–40	+110	0,5	500 (*50*)
SKF Ecoflon 2	SKF Ecorubber-1	SKF Ecoflon 2	–30	+100	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-H	SKF Ecoflon 2	–25	+150	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-H	SKF Ecopaek	–25	+150	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-2	SKF Ecoflon 2	–20	+200	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-2	SKF Ecopaek	–20	+200	0,5	250 (*25*)
SKF Ecoflon 2	SKF Ecorubber-3	SKF Ecoflon 2	–50	+150	0,5	250 (*25*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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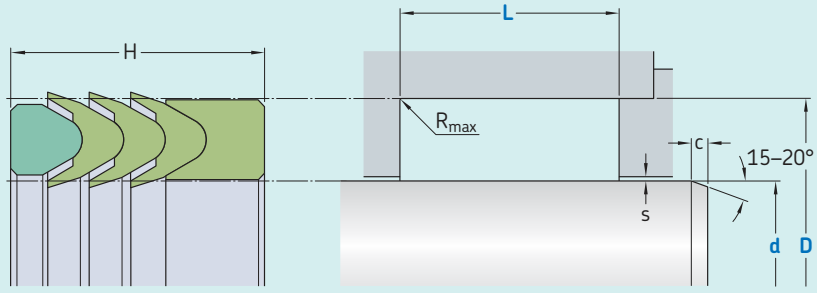
S1315-T



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 over	incl.	D H10	L + 0,2	R_{max}	c	s* 600 bar
mm						
10	**40**	d + 10	16	0,4	4,0	0,25
40	**75**	d + 15	25	0,4	5,0	0,38
75	**150**	d + 20	32	0,4	6,0	0,50
150	**200**	d + 25	40	0,4	8,5	0,63
200	**300**	d + 30	50	0,4	10,0	0,75
300		d + 40	63	0,4	13,0	1,00

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S1315-T**
d x D x L [mm] / Number of chevrons	**100 x 120 x 25 / 2**
Support ring / Sealing material / Pressure ring	**SKF Ecotal / ECOPUR / SKF Ecotal**

Operating parameters

Material			Temperature		Speed[1]	Pressure[2]
Support ring[3] S13-A	Chevron S14-T	Pressure ring[3] S15-T	from	to	max	max
			°C		m/s	bar (*MPa*)
SKF Ecorubber-1	ECOPUR	X-ECOPUR	–30	+100	0,5	600 (*60*)
SKF Ecorubber-1	ECOPUR	SKF Ecotal	–30	+100	0,5	600 (*60*)
SKF Ecorubber-1	ECOPUR	SKF Ecomid	–30	+100	0,5	600 (*60*)
SKF Ecotal	ECOPUR	X-ECOPUR	–30	+100	0,5	600 (*60*)
SKF Ecotal	ECOPUR	SKF Ecotal	–30	+100	0,5	600 (*60*)
SKF Ecomid	ECOPUR	X-ECOPUR	–30	+110	0,5	600 (*60*)
SKF Ecomid	ECOPUR	SKF Ecomid	–30	+110	0,5	600 (*60*)
SKF Ecorubber-1	ECOPUR LD	SKF Ecomid	–30	+100	0,5	600 (*60*)
SKF Ecomid	ECOPUR LD	SKF Ecomid	–35	+110	0,5	600 (*60*)
SKF Ecorubber-1	G-ECOPUR	G-ECOPUR 54D	–30	+100	0,5	600 (*60*)
SKF Ecomid	G-ECOPUR	G-ECOPUR 54D	–30	+110	0,5	600 (*60*)
SKF Ecorubber-1	H-ECOPUR	X-ECOPUR H	–20	+100	0,5	600 (*60*)
SKF Ecorubber-1	H-ECOPUR	SKF Ecotal	–20	+100	0,5	600 (*60*)
SKF Ecorubber-1	H-ECOPUR	SKF Ecomid	–20	+100	0,5	600 (*60*)
SKF Ecotal	H-ECOPUR	X-ECOPUR H	–20	+100	0,5	600 (*60*)
SKF Ecotal	H-ECOPUR	SKF Ecotal	–20	+100	0,5	600 (*60*)
SKF Ecomid	H-ECOPUR	X-ECOPUR H	–20	+110	0,5	600 (*60*)
SKF Ecomid	H-ECOPUR	SKF Ecomid	–20	+110	0,5	600 (*60*)
SKF Ecorubber-1	S-ECOPUR	X-ECOPUR S	–20	+100	0,5	600 (*60*)
SKF Ecorubber-1	S-ECOPUR	SKF Ecotal	–20	+100	0,5	600 (*60*)
SKF Ecorubber-1	S-ECOPUR	SKF Ecomid	–20	+100	0,5	600 (*60*)
SKF Ecotal	S-ECOPUR	X-ECOPUR S	–20	+100	0,5	600 (*60*)
SKF Ecotal	S-ECOPUR	SKF Ecotal	–20	+100	0,5	600 (*60*)
SKF Ecomid	S-ECOPUR	X-ECOPUR S	–20	+110	0,5	600 (*60*)
SKF Ecomid	S-ECOPUR	SKF Ecomid	–20	+110	0,5	600 (*60*)
SKF Ecorubber-1	T-ECOPUR	SKF Ecotal	–30	+100	0,5	600 (*60*)
SKF Ecorubber-1	T-ECOPUR	SKF Ecomid	–30	+100	0,5	600 (*60*)
SKF Ecotal	T-ECOPUR	SKF Ecotal	–50	+100	0,5	600 (*60*)
SKF Ecomid	T-ECOPUR	SKF Ecomid	–40	+110	0,5	600 (*60*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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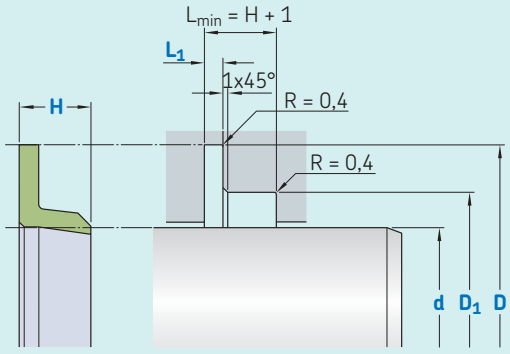
S16-A



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions
Minimum nominal inside diameter d ≥ 6 mm.

This is not a standard profile and serves as a replacement seal to fit existing housings. New constructions should use standard profiles.

Ordering example

Profile	**Rod Seal S16-A**
d x D/D_1 x L_1/H [mm]	**100 x 150/120 x 5/25**
Sealing material	**ECOPUR**

Operating parameters

Material Seal	Temperature from	 to	Speed[1] linear max	Pressure linear[2] max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,5	160 (*16*)
ECOPUR LD	–35	+110	0,5	160 (*16*)
G-ECOPUR	–30	+110	0,5	160 (*16*)
H-ECOPUR	–20	+110	0,5	160 (*16*)
S-ECOPUR	–20	+110	0,5	160 (*16*)
T-ECOPUR	–50	+110	0,5	160 (*16*)
SKF Ecorubber-1	–30	+100	0,5	160 (*16*)
SKF Ecorubber-H	–25	+150	0,5	160 (*16*)
SKF Ecorubber-2	–20	+200	0,5	160 (*16*)
SKF Ecorubber-3	–50	+150	0,5	160 (*16*)
SKF Ecoflas	–10	+200	0,5	160 (*16*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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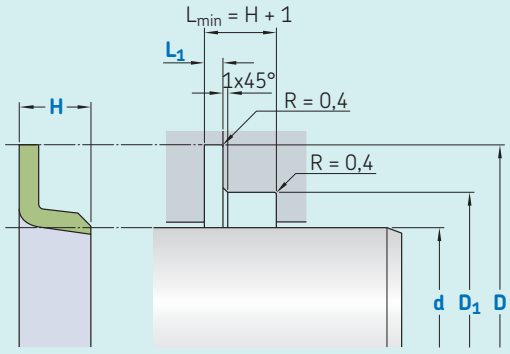
PUB SE/P8 11926/2 EN · November 2019

S16-B



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions
Minimum nominal inside diameter d ≥ 11 mm.

This is not a standard profile and serves as a replacement seal to fit existing housings. New constructions should use standard profiles.

Ordering example

Profile	**Rod Seal S16-B**
d x D/D_1 x L_1/H [mm]	**100 x 150/120 x 5/25**
Sealing material	**ECOPUR**

Operating parameters

Material Seal	Temperature from	 to	Speed[1] linear max	Pressure linear[2] max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,5	160 (*16*)
ECOPUR LD	–35	+110	0,5	160 (*16*)
G-ECOPUR	–30	+110	0,5	160 (*16*)
H-ECOPUR	–20	+110	0,5	160 (*16*)
S-ECOPUR	–20	+110	0,5	160 (*16*)
T-ECOPUR	–50	+110	0,5	160 (*16*)
SKF Ecorubber-1	–30	+100	0,5	160 (*16*)
SKF Ecorubber-H	–25	+150	0,5	160 (*16*)
SKF Ecorubber-2	–20	+200	0,5	160 (*16*)
SKF Ecorubber-3	–50	+150	0,5	160 (*16*)
SKF Ecoflas	–10	+200	0,5	160 (*16*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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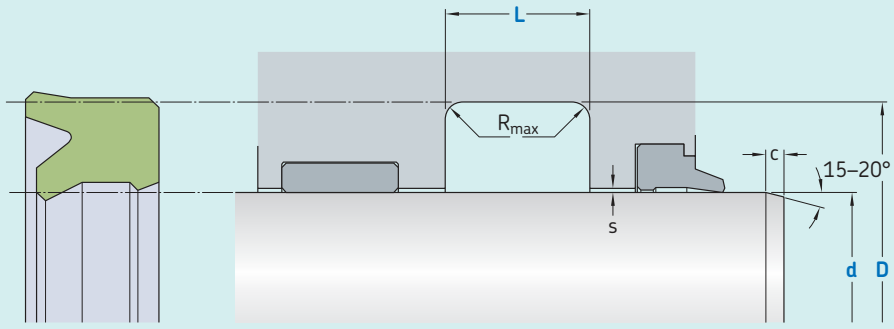
S17-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
6	**25**	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**600**	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S17-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**ECOPUR**

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,5	400 (*40*)
ECOPUR LD	–35	+110	0,5	400 (*40*)
G-ECOPUR	–30	+110	0,5	400 (*40*)
H-ECOPUR	–20	+110	0,5	400 (*40*)
S-ECOPUR	–20	+110	0,5	400 (*40*)
T-ECOPUR	–50	+110	0,5	400 (*40*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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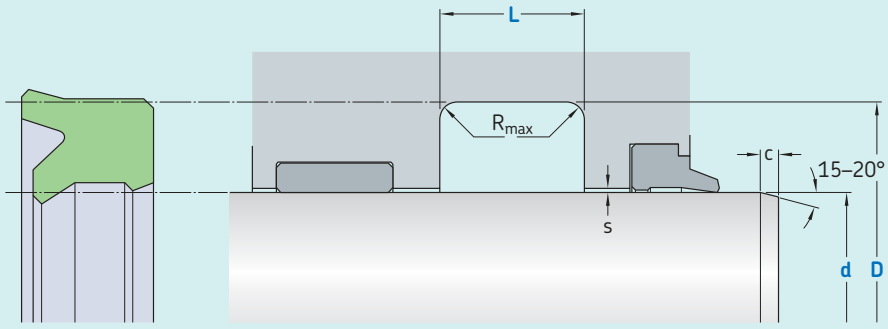
S17-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**		
d f8		D H10	L + 0,2	R_{max}	c	s*		
over	incl.					20 bar	100 bar	160 bar
mm						mm		
6	**25**	d + 8	6,3	0,4	3,5	0,23	0,16	0,14
25	**50**	d + 10	8,0	0,4	4,0	0,26	0,19	0,17
50	**150**	d + 15	10,0	0,4	5,0	0,31	0,24	0,22
150	**300**	d + 20	14,0	0,4	6,0	0,34	0,27	0,25
300	**500**	d + 25	17,0	0,4	8,5	0,37	0,30	0,29
500	**600**	d + 30	25,0	0,4	10,0	0,40	0,34	0,32

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S17-R**
d x D x L [mm]	**100 x 115 x 10**
Sealing material	**SKF Ecorubber-1**

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
■ SKF Ecorubber-1	–30	+100	0,5	160 (*16*)
■ SKF Ecorubber-H	–25	+150	0,5	160 (*16*)
■ SKF Ecorubber-2	–20	+200	0,5	160 (*16*)
■ SKF Ecorubber-3	–50	+150	0,5	160 (*16*)
■ SKF Ecoflas	–10	+200	0,5	160 (*16*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.
[2] Pressure ratings depend on the size of the extrusion gap.

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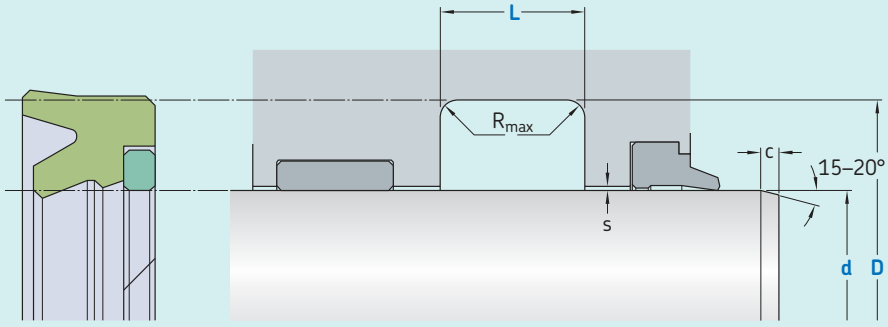
S18-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	400 bar	600 bar
mm						mm			
23	**25**	d + 8	8,0	0,4	3,5	0,80	0,80	0,30	0,11
25	**50**	d + 10	9,0	0,4	4,0	1,00	1,00	0,37	0,14
50	**150**	d + 15	14,0	0,4	5,0	1,50	1,47	0,46	0,17
150	**300**	d + 20	17,0	0,4	6,0	2,00	1,77	0,54	0,18
300	**500**	d + 25	20,0	0,4	8,5	2,50	2,06	0,62	0,20
500	**600**	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,25

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S18-P**
d x D x L [mm]	**100 x 115 x 13**
Sealing material / Back-up ring	**ECOPUR / SKF Ecotal**

Operating parameters

Material Seal	Back-up ring[3]	Temperature from	to	Speed[1] max	Pressure[2] max
		°C		m/s	bar *(MPa)*
ECOPUR	SKF Ecotal	–30	+100	0,5	600 *(60)*
ECOPUR	SKF Ecomid	–30	+110	0,5	600 *(60)*
ECOPUR LD	SKF Ecomid	–35	+110	0,5	600 *(60)*
G-ECOPUR	SKF Ecomid	–30	+110	0,5	600 *(60)*
H-ECOPUR	SKF Ecotal	–20	+100	0,5	600 *(60)*
H-ECOPUR	SKF Ecomid	–20	+110	0,5	600 *(60)*
S-ECOPUR	SKF Ecotal	–20	+100	0,5	600 *(60)*
S-ECOPUR	SKF Ecomid	–20	+110	0,5	600 *(60)*
T-ECOPUR	SKF Ecotal	–50	+100	0,5	600 *(60)*
T-ECOPUR	SKF Ecomid	–40	+110	0,5	600 *(60)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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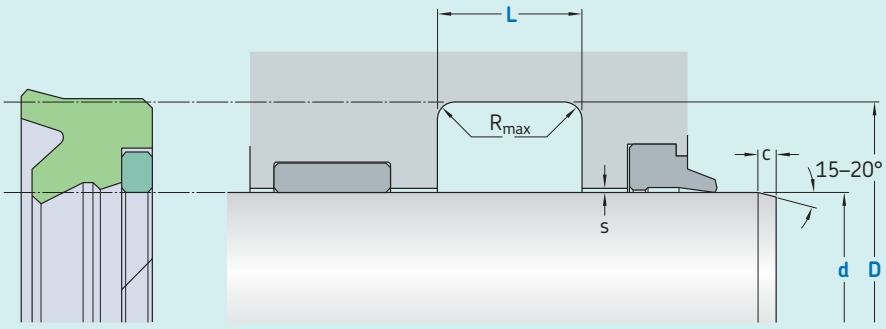
S18-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**		
d f8		D H10	L + 0,2	R_{max}	c	s*		
over	incl.					20 bar	100 bar	250 bar
mm						mm		
23	**25**	d + 8	8,0	0,4	3,5	0,60	0,80	0,52
25	**50**	d + 10	9,0	0,4	4,0	1,00	1,00	0,66
50	**150**	d + 15	14,0	0,4	5,0	1,50	1,40	0,78
150	**300**	d + 20	17,0	0,4	6,0	2,00	1,66	0,88
300	**500**	d + 25	20,0	0,4	8,5	2,50	1,91	1,00
500	**600**	d + 30	25,0	0,4	10,0	3,00	2,18	1,13

***** Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S18-R**
d x D x L [mm]	**100 x 115 x 13**
Sealing material / Back-up ring	**SKF Ecorubber-1 / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring[3]	from	to	max	max
		°C		m/s	bar *(MPa)*
■ SKF Ecorubber-1	■ SKF Ecotal	–30	+100	0,5	*250 (25)*
■ SKF Ecorubber-1	■ SKF Ecomid	–30	+100	0,5	*250 (25)*
■ SKF Ecorubber-H	■ SKF Ecoflon 2	–25	+150	0,5	*250 (25)*
■ SKF Ecorubber-H	■ SKF Ecotal	–25	+100	0,5	*250 (25)*
■ SKF Ecorubber-H	■ SKF Ecomid	–25	+110	0,5	*250 (25)*
■ SKF Ecorubber-2	■ SKF Ecoflon 2	–20	+200	0,5	*250 (25)*
■ SKF Ecorubber-3	■ SKF Ecoflon 2	–50	+150	0,5	*250 (25)*
■ SKF Ecorubber-3	■ SKF Ecotal	–50	+100	0,5	*250 (25)*
■ SKF Ecorubber-3	■ SKF Ecomid	–40	+110	0,5	*250 (25)*
■ SKF Ecoflas	■ SKF Ecopaek	–10	+200	0,5	*250 (25)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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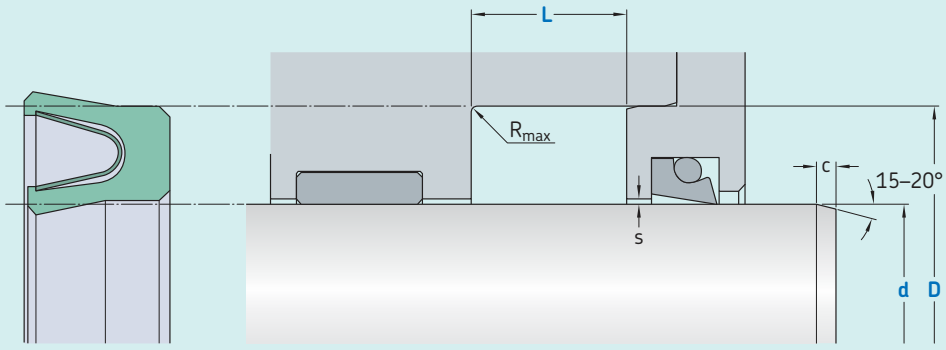
PUB SE/P8 11931/2 EN · November 2019

S19-F



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**				
d		D	L	R_{max}	c	s*				
f8		H10	+ 0,2							
over	incl.					20 bar	100 bar	200 bar	300 bar	400 bar
mm						mm				
8	**18**	d + 4,5	3,6	0,4	2,0	0,25	0,12	0,10	0,08	0,07
18	**50**	d + 6,2	4,8	0,4	3,0	0,35	0,17	0,12	0,10	0,08
50	**120**	d + 9,4	7,1	0,4	4,0	0,45	0,22	0,17	0,12	0,10
120	**630**	d + 12,2	9,5	0,4	5,0	0,60	0,31	0,25	0,15	0,12
630	**1 600**	d + 19,0	15,0	0,4	6,0	0,87	0,48	0,38	0,28	0,20

***** Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S19-F**
d x D x L [mm]	**100 x 109,4 x 7,1**
Sealing material / Spring	**SKF Ecoflon 3 / 1.4310**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Spring	from	to	max	max
		°C		m/s	bar *(MPa)*
SKF Ecoflon 1	1.4310	–200	+260	15	200 *(20)*
SKF Ecoflon 2	1.4310	–200	+260	15	400 *(40)*
SKF Ecoflon 3	1.4310	–200	+260	15	400 *(40)*
SKF Ecoflon 4	1.4310	–200	+260	15	400 *(40)*
SKF Ecowear 1000	1.4310	–200	+90	15	200 *(20)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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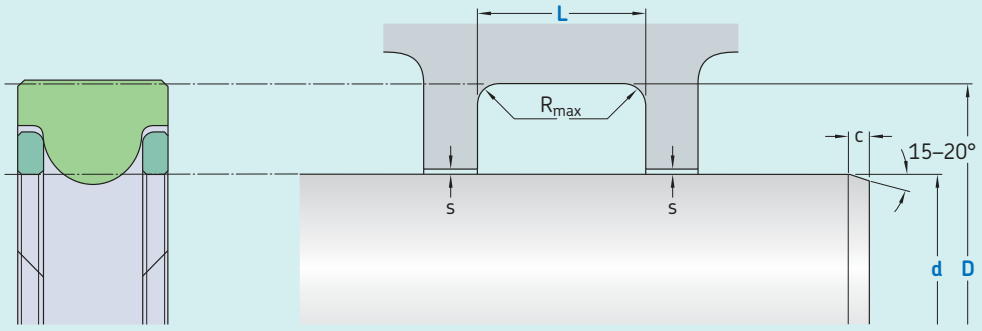
S20-R



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 static over	d f8 static incl.	d f8 dynamic over	d f8 dynamic incl.	D H10	L +0,25	R_{max}	c	s*
mm								
11	**100**	**–**	**–**	d + 2,70	4,5	0,4	2,0	f8/H8
100	**150**	**11**	**20**	d + 4,36	6,5	0,4	2,0	f8/H8
150	**250**	**20**	**40**	d + 6,00	7,4	0,4	3,0	f8/H8
250	**400**	**40**	**100**	d + 9,06	10,1	0,4	3,5	f8/H8
400	**600**	**100**	**300**	d + 11,88	12,8	0,4	4,5	f8/H8
600		**300**	**600**	d + 17,00	17,5	0,4	4,5	f8/H8

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S20-R**
d x D x L [mm]	**100 x 115 x 13**
Sealing material / Back-up ring	**SKF Ecorubber-1 / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Back-up ring[3]	from	to	max	max
		°C		m/s	bar *(MPa)*
SKF Ecorubber-1	SKF Ecotal	–30	+100	0,5	*700 (70)*
SKF Ecorubber-1	SKF Ecomid	–30	+100	0,5	*700 (70)*
SKF Ecorubber-H	SKF Ecoflon 2	–25	+150	0,5	*700 (70)*
SKF Ecorubber-H	SKF Ecotal	–25	+100	0,5	*700 (70)*
SKF Ecorubber-H	SKF Ecomid	–25	+110	0,5	*700 (70)*
SKF Ecorubber-H	SKF Ecopaek	–25	+150	0,5	*700 (70)*
SKF Ecorubber-2	SKF Ecoflon 2	–20	+200	0,5	*700 (70)*
SKF Ecorubber-2	SKF Ecopaek	–20	+200	0,5	*700 (70)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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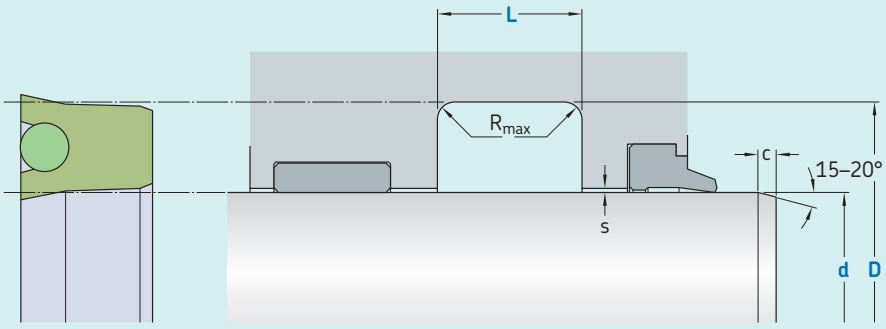
S21-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
5	**25**	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**600**	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S21-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Energizer	**ECOPUR / NBR 70**

Operating parameters

Material Seal	Energizer	Temperature from	Temperature to	Speed[1] max	Pressure[2] max
		°C		m/s	bar *(MPa)*
ECOPUR	NBR 70	–30	+100	0,5	400 *(40)*
H-ECOPUR	NBR 70	–20	+100	0,5	400 *(40)*
S-ECOPUR	NBR 70	–20	+100	0,5	400 *(40)*
T-ECOPUR	MVQ 70	–50	+100	0,5	400 *(40)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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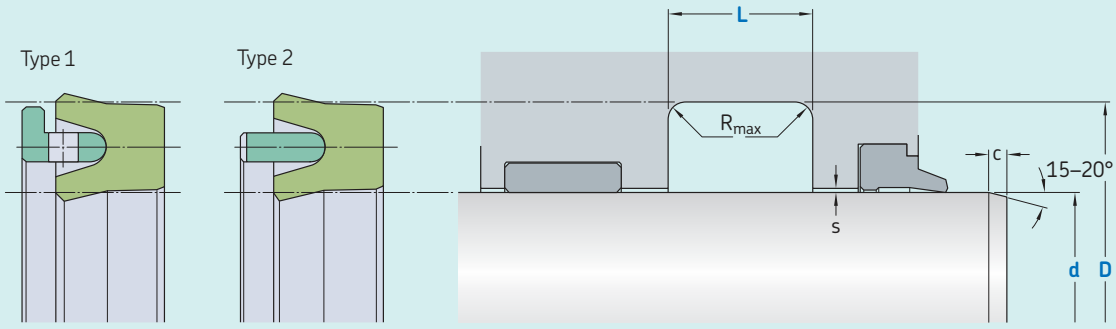
S22-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	200 bar	400 bar
mm						mm			
6	**25**	d + 8	6,3	0,4	3,5	0,33	0,17	0,11	0,05
25	**50**	d + 10	8,0	0,4	4,0	0,37	0,22	0,16	0,10
50	**150**	d + 15	10,0	0,4	5,0	0,46	0,31	0,25	0,19
150	**300**	d + 20	14,0	0,4	6,0	0,54	0,39	0,32	0,26
300	**500**	d + 25	17,0	0,4	8,5	0,61	0,46	0,39	0,33
500	**600**	d + 30	25,0	0,4	10,0	0,67	0,52	0,45	0,39

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values. Standard: type 2

Ordering example

Profile	**Rod Seal S22-P Type 1**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Support ring	**ECOPUR / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Support ring[3]	from	to	max	max
		°C		m/s	bar *(MPa)*
ECOPUR	SKF Ecotal	–30	+100	0,5	400 *(40)*
ECOPUR	SKF Ecomid	–30	+100	0,5	400 *(40)*
ECOPUR LD	SKF Ecomid	–35	+100	0,5	400 *(40)*
G-ECOPUR	SKF Ecomid	–30	+100	0,5	400 *(40)*
H-ECOPUR	SKF Ecotal	–20	+100	0,5	400 *(40)*
H-ECOPUR	SKF Ecomid	–20	+100	0,5	400 *(40)*
S-ECOPUR	SKF Ecotal	–20	+100	0,5	400 *(40)*
S-ECOPUR	SKF Ecomid	–20	+100	0,5	400 *(40)*
T-ECOPUR	SKF Ecotal	–40	+100	0,5	400 *(40)*
T-ECOPUR	SKF Ecomid	–40	+100	0,5	400 *(40)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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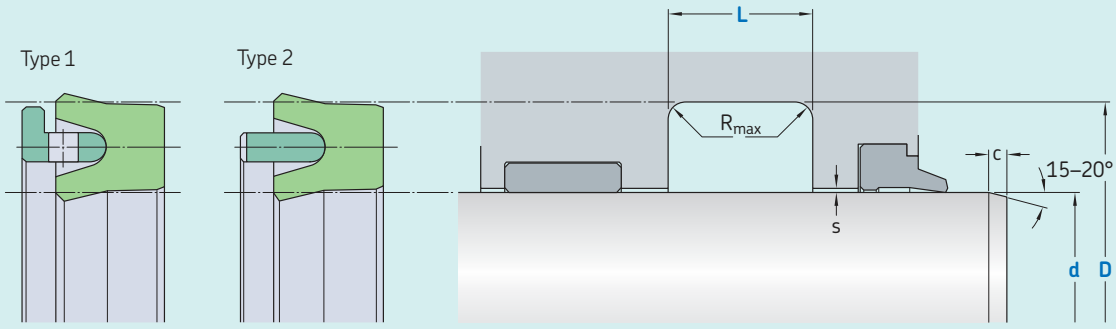
S22-R



Ordering dimensions in **blue**

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	160 bar
mm						mm		
6	**25**	d + 8	6,3	0,4	3,5	0,23	0,16	0,14
25	**50**	d + 10	8,0	0,4	4,0	0,26	0,19	0,17
50	**150**	d + 15	10,0	0,4	5,0	0,31	0,24	0,22
150	**300**	d + 20	14,0	0,4	6,0	0,34	0,27	0,25
300	**500**	d + 25	17,0	0,4	8,5	0,37	0,30	0,29
500	**600**	d + 30	25,0	0,4	10,0	0,40	0,34	0,32

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values. Standard: type 2

Ordering example

Profile	**Rod Seal S22-R Type 1**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Support ring	**SKF Ecorubber-1 / SKF Ecotal**

Operating parameters

Material		Temperature		Speed[1]	Pressure[2]
Seal	Support ring[3]	from	to	max	max
		°C		m/s	bar *(MPa)*
■ SKF Ecorubber-1	■ SKF Ecotal	–30	+100	0,5	160 *(16)*
■ SKF Ecorubber-1	■ SKF Ecomid	–30	+100	0,5	160 *(16)*
■ SKF Ecorubber-H	■ SKF Ecoflon 2	–25	+150	0,5	160 *(16)*
■ SKF Ecorubber-H	■ SKF Ecotal	–25	+100	0,5	160 *(16)*
■ SKF Ecorubber-H	■ SKF Ecomid	–25	+110	0,5	160 *(16)*
■ SKF Ecorubber-2	■ SKF Ecoflon 2	–20	+200	0,5	160 *(16)*
■ SKF Ecorubber-3	■ SKF Ecoflon 2	–50	+150	0,5	160 *(16)*
■ SKF Ecorubber-3	■ SKF Ecotal	–50	+100	0,5	160 *(16)*
■ SKF Ecorubber-3	■ SKF Ecomid	–40	+110	0,5	160 *(16)*
■ SKF Ecoflas	■ SKF Ecoflon 2	–10	+200	0,5	160 *(16)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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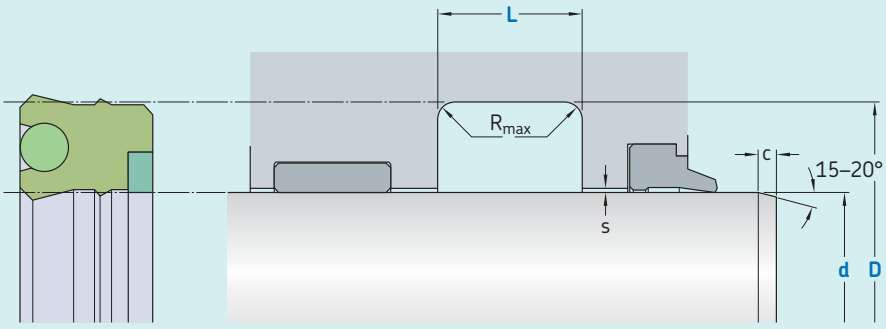
S24-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H10	L + 0,2	R_{max}	c	**Maximal radial extrusion gap** s* 20 bar	100 bar	400 bar	700 bar
mm						mm			
22	**25**	d + 8	6,3	0,4	3,5	0,80	0,80	0,30	0,04
25	**50**	d + 10	8,0	0,4	4,0	1,00	1,00	0,37	0,04
50	**150**	d + 15	10,0	0,4	5,0	1,50	1,47	0,46	0,05
150	**300**	d + 20	14,0	0,4	6,0	2,00	1,77	0,54	0,06
300	**500**	d + 25	17,0	0,4	8,5	2,50	2,06	0,62	0,06
500	**600**	d + 30	25,0	0,4	10,0	3,00	2,43	0,76	0,06

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S24-P**
d x D x L [mm]	**100 x 115 x 10**
Sealing material / Energizer / Back-up ring	**H-ECOPUR / NBR 70 / SKF Ecotal**

Operating parameters

Material Seal	Energizer	Back-up ring[3]	Temperature from	to	Speed[1] max	Pressure[2] max
			°C		m/s	bar (*MPa*)
ECOPUR	NBR 70	SKF Ecotal	–30	+100	0,5	700 (*70*)
ECOPUR	NBR 70	SKF Ecomid	–30	+100	0,5	700 (*70*)
H-ECOPUR	NBR 70	SKF Ecotal	–20	+100	0,5	700 (*70*)
H-ECOPUR	NBR 70	SKF Ecomid	–20	+100	0,5	700 (*70*)
S-ECOPUR	NBR 70	SKF Ecotal	–20	+100	0,5	700 (*70*)
S-ECOPUR	NBR 70	SKF Ecomid	–20	+100	0,5	700 (*70*)
T-ECOPUR	MVQ 70	SKF Ecotal	–50	+100	0,5	700 (*70*)
T-ECOPUR	MVQ 70	SKF Ecomid	–40	+100	0,5	700 (*70*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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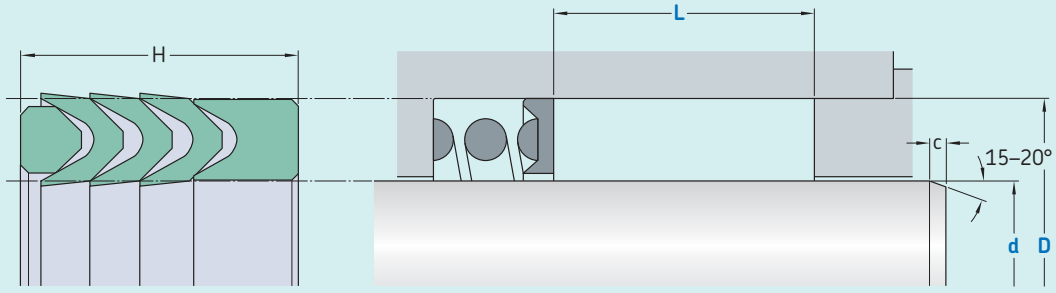
S2527-F



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H8	c	**Installation height** L* 2 chevrons up to 16 bar	3 chevrons up to 50 bar	4 chevrons up to 100 bar
mm				mm		
10	**16**	d + 8	3,5	12	15	18
16	**40**	d + 10	4,0	14	19	23
40	**50**	d + 12	4,5	16	22	26
50	**75**	d + 15	5,0	19	27	33
75	**150**	d + 20	6,0	25	35	42
150	**200**	d + 25	8,5	32	44	53
200	**300**	d + 30	10,0	39	54	64
300		d + 40	13,0	45	64	76

***** 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

Ordering example

Profile	**Rod Seal S2527-F**
d x D x L [mm] / Numbers of chevrons	**100 x 125 x 35 / 2**
Support ring / Chevron / Pressure ring	**SKF Ecoflon 2 / SKF Ecoflon 1 / SKF Ecoflon 2**

Operating parameters

Material			Temperature		Speed[1]	Pressure
Support ring S25-F	Chevron S26-F	Pressure ring S27-F	from	to	max	max
			°C		m/s	bar (*MPa*)
■ SKF Ecoflon 2	□ SKF Ecoflon 1	■ SKF Ecoflon 2	–200	+260	1,5	100 (*10*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.

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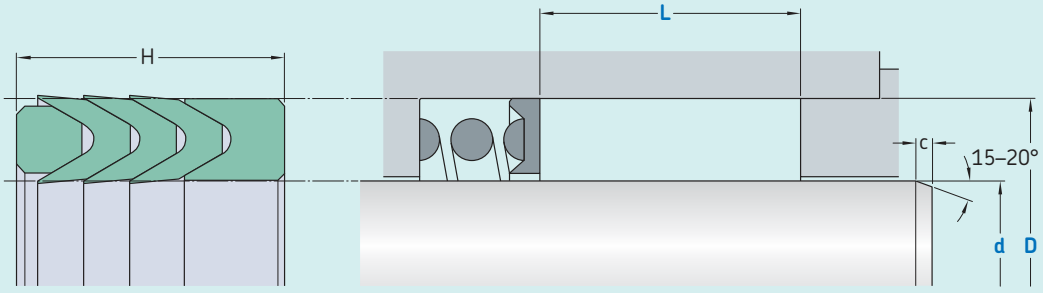
S2931-F



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions d f8 over	incl.	D H8	c	**Installation height** L* 3 chevrons up to 50 bar	4 chevrons up to 100 bar	5 chevrons up to 315 bar
mm				mm		
10	**15**	d + 8	3,5	14	17,0	20
15	**40**	d + 10	4,0	16	19,0	22
40	**50**	d + 12	4,5	19	23,0	27
50	**75**	d + 15	5,0	22	26,5	32
75	**150**	d + 20	6,0	32	38,0	44
150	**200**	d + 25	8,5	35	42,0	50
200	**300**	d + 30	10,0	39	47,0	56
300	**600**	d + 40	13,0	50	62,0	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

Ordering example

Profile	**Rod Seal S2931-F**
d x D x L [mm] / Numbers of chevrons	**100 x 130 x 35 / 2**
Support ring / Chevron / Pressure ring	**SKF Ecoflon 2 / SKF Ecoflon 1 / SKF Ecoflon 2**

Operating parameters

Material			Temperature		Speed[1]	Pressure
Support ring S29-F	Chevron S30-F	Pressure ring S31-F	from	to	max	max
			°C		m/s	bar (*MPa*)
■ SKF Ecoflon 2	□ SKF Ecoflon 1	■ SKF Ecoflon 2	–200	+260	1,5	315 *(31,5)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
[1] Surface speed limit values are valid only in the presence of a lubrication film.

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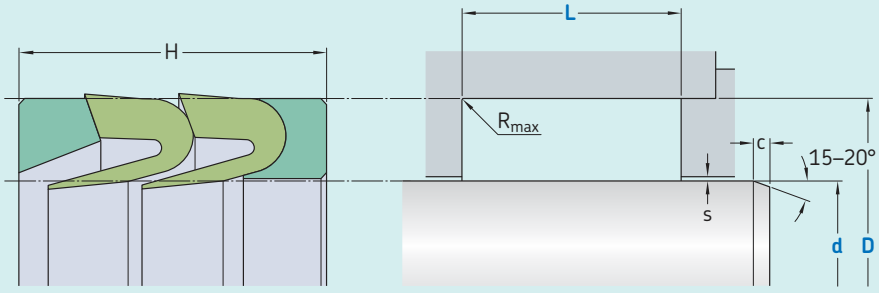
S32-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 over	incl.	D H10	L + 0,2	R_{max}	c	s* 500 bar
mm						
	25	d + 12	24,0	0,4	4,5	0,60
25	**47**	d + 15	29,0	0,4	5,0	0,38
47	**100**	d + 20	38,0	0,4	6,0	0,50
100	**150**	d + 25	47,5	0,4	8,5	0,63
150	**250**	d + 30 / 35	57,0	0,4	10,0	0,75 / 0,88
250	**500**	d + 40 / 45	76,0	0,4	13,0	1,00 / 1,13
500	**1 000**	d + 50	95,0	0,4	16,0	1,25
1 000	**2 500**	d + 60	113,0	0,4	19,0	1,50

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values

Ordering example

Profile	**Rod Seal S32-P**
d x D x L [mm] / Numbers of chevrons	**75 x 100 x 47,5 / 2**
Support ring / Chevron / Pressure ring	**SKF Ecotal / ECOPUR / SKF Ecotal**

Operating parameters

Material			Temperature		Speed[1]	Pressure[2]
Support ring[3]	Chevron	Pressure ring[3]	from	to	max	max
			°C		m/s	bar (*MPa*)
SKF Ecorubber-1	ECOPUR	X-ECOPUR	–30	+100	0,5	*500 (50)*
SKF Ecorubber-1	ECOPUR	SKF Ecotal	–30	+100	0,5	*500 (50)*
SKF Ecorubber-1	ECOPUR	SKF Ecomid	–30	+100	0,5	*500 (50)*
SKF Ecotal	ECOPUR	X-ECOPUR	–30	+100	0,5	*500 (50)*
SKF Ecotal	ECOPUR	SKF Ecotal	–30	+100	0,5	*500 (50)*
SKF Ecomid	ECOPUR	X-ECOPUR	–30	+110	0,5	*500 (50)*
SKF Ecomid	ECOPUR	SKF Ecomid	–30	+110	0,5	*500 (50)*
SKF Ecorubber-1	ECOPUR LD	SKF Ecomid	–30	+100	0,5	*500 (50)*
SKF Ecomid	ECOPUR LD	SKF Ecomid	–35	+110	0,5	*500 (50)*
SKF Ecorubber-1	G-ECOPUR	G-ECOPUR 54D	–30	+100	0,5	*500 (50)*
SKF Ecomid	G-ECOPUR	G-ECOPUR 54D	–30	+110	0,5	*500 (50)*
SKF Ecorubber-1	H-ECOPUR	X-ECOPUR H	–20	+100	0,5	*500 (50)*
SKF Ecorubber-1	H-ECOPUR	SKF Ecotal	–20	+100	0,5	*500 (50)*
SKF Ecorubber-1	H-ECOPUR	SKF Ecomid	–20	+100	0,5	*500 (50)*
SKF Ecotal	H-ECOPUR	X-ECOPUR H	–20	+100	0,5	*500 (50)*
SKF Ecotal	H-ECOPUR	SKF Ecotal	–20	+100	0,5	*500 (50)*
SKF Ecomid	H-ECOPUR	X-ECOPUR H	–20	+110	0,5	*500 (50)*
SKF Ecomid	H-ECOPUR	SKF Ecomid	–20	+110	0,5	*500 (50)*
SKF Ecorubber-1	S-ECOPUR	X-ECOPUR S	–20	+100	0,5	*500 (50)*
SKF Ecorubber-1	S-ECOPUR	SKF Ecotal	–20	+100	0,5	*500 (50)*
SKF Ecorubber-1	S-ECOPUR	SKF Ecomid	–20	+100	0,5	*500 (50)*
SKF Ecotal	S-ECOPUR	X-ECOPUR S	–20	+100	0,5	*500 (50)*
SKF Ecotal	S-ECOPUR	SKF Ecotal	–20	+100	0,5	*500 (50)*
SKF Ecomid	S-ECOPUR	X-ECOPUR S	–20	+110	0,5	*500 (50)*
SKF Ecomid	S-ECOPUR	SKF Ecomid	–20	+110	0,5	*500 (50)*
SKF Ecorubber-1	T-ECOPUR	SKF Ecotal	–30	+100	0,5	*500 (50)*
SKF Ecorubber-1	T-ECOPUR	SKF Ecomid	–30	+100	0,5	*500 (50)*
SKF Ecotal	T-ECOPUR	SKF Ecotal	–50	+100	0,5	*500 (50)*
SKF Ecomid	T-ECOPUR	SKF Ecomid	–40	+110	0,5	*500 (50)*

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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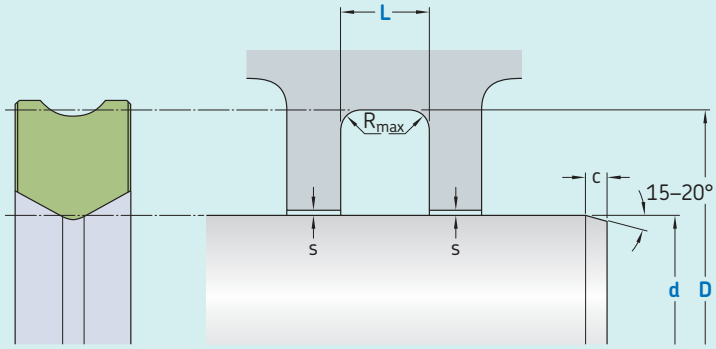
S35-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	µm	
Sliding surface	≤ 2,5	0,05–0,3
Bottom of groove	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions						**Maximal radial extrusion gap**			
d f8		D H10	L + 0,2	R_{max}	c	s*			
over	incl.					20 bar	100 bar	200 bar	400 bar
mm						mm			
5	**10**	d + 5	4,0	0,4	2,0	0,33	0,18	0,10	0,05
10	**25**	d + 6	4,5	0,4	3,0	0,33	0,18	0,10	0,05
25	**50**	d + 8	5,5	0,4	3,5	0,33	0,18	0,10	0,05
50	**100**	d + 10	6,5	0,4	4,0	0,37	0,23	0,15	0,10
100	**150**	d + 15	9,5	0,4	5,0	0,46	0,33	0,25	0,18
150	**300**	d + 20	12,5	0,4	6,0	0,54	0,38	0,33	0,25
300	**500**	d + 25	15,0	0,4	8,5	0,61	0,45	0,40	0,33
500	**700**	d + 30	17,5	0,4	10,0	0,67	0,50	0,45	0,40
700	**1 250**	d + 40	22,0	0,4	13,0	0,77	0,50	0,45	0,40
1 250	**2 000**	d + 50	27,0	0,4	15,0	0,87	0,60	0,50	0,40
2 000	**4 000**	d + 60	32,0	0,4	18,0	0,97	0,70	0,50	0,40

* Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile	**Rod Seal S35-P**
d x D x L [mm]	**120 x 135 x 9,5**
Sealing material	**ECOPUR**

Operating parameters

Material Seal	Temperature		Speed[1]	Pressure[2]
	from	to	max	max
	°C		m/s	bar (*MPa*)
ECOPUR	–30	+110	0,4	400 (*40*)
ECOPUR LD	–35	+110	0,4	400 (*40*)
G-ECOPUR	–30	+110	0,4	400 (*40*)
H-ECOPUR	–20	+110	0,4	400 (*40*)
S-ECOPUR	–20	+110	0,4	400 (*40*)
T-ECOPUR	–50	+110	0,4	400 (*40*)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Pressure ratings depend on the size of the extrusion gap.

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