



OPEN TO
SEE THE FULL RANGE
OF MACHINED SEALS,
WIPERS, GUIDE RINGS
AND BACK-UP RINGS



Machined seals

Profiles overview



skf.com/seals

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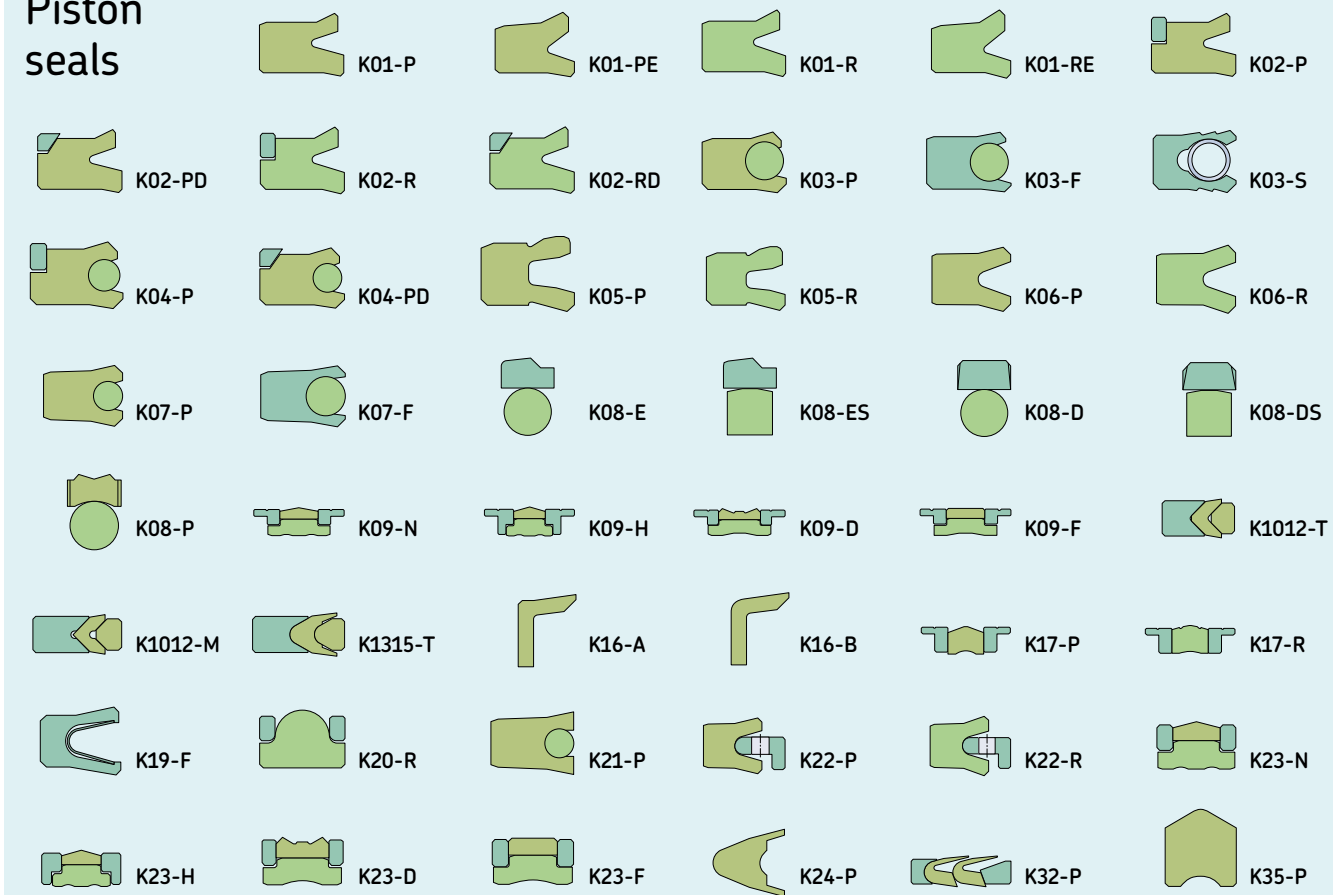
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Piston seals

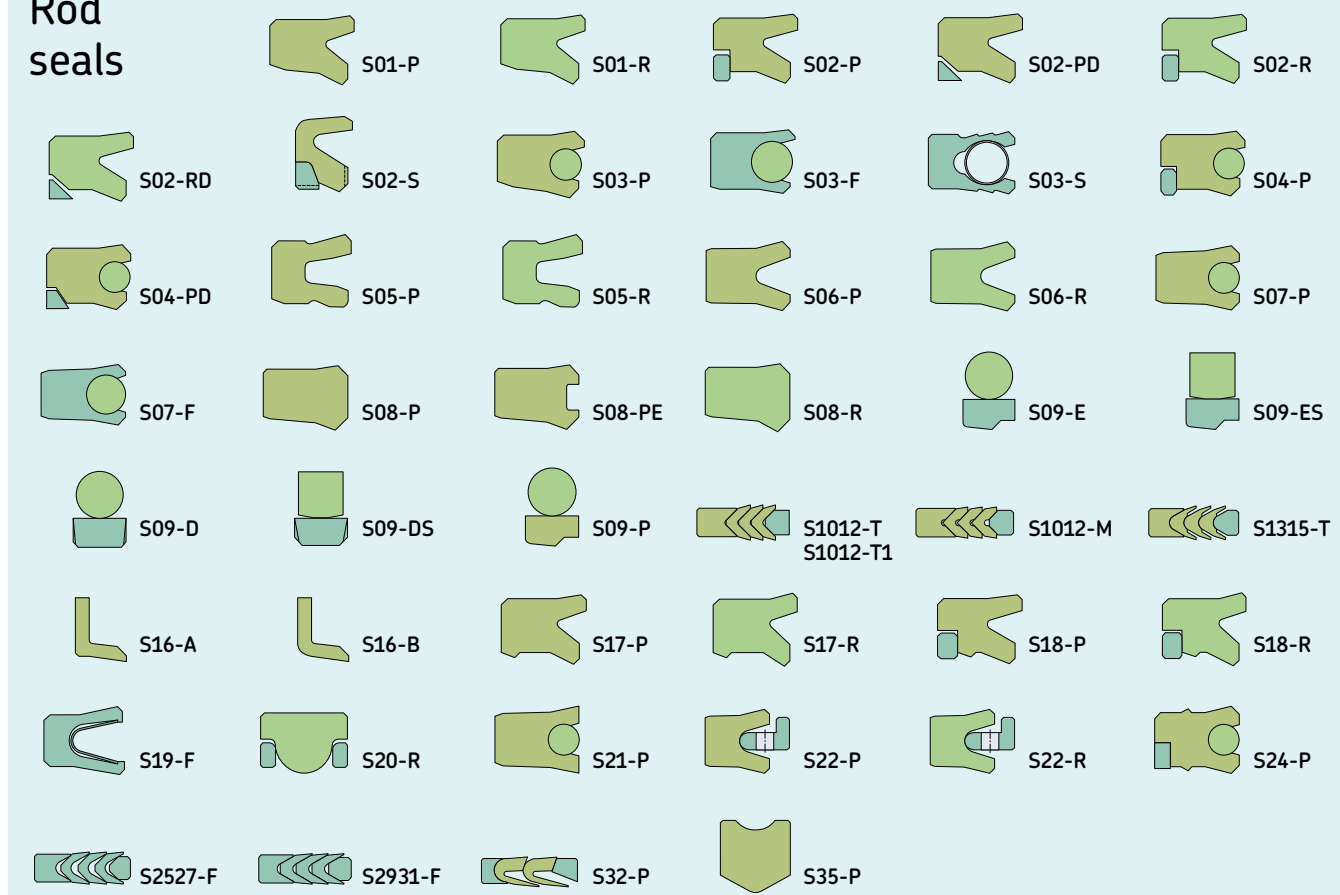


Thanks to our innovative manufacturing process we are able to produce virtually any profile in any dimension and material.

Wipers

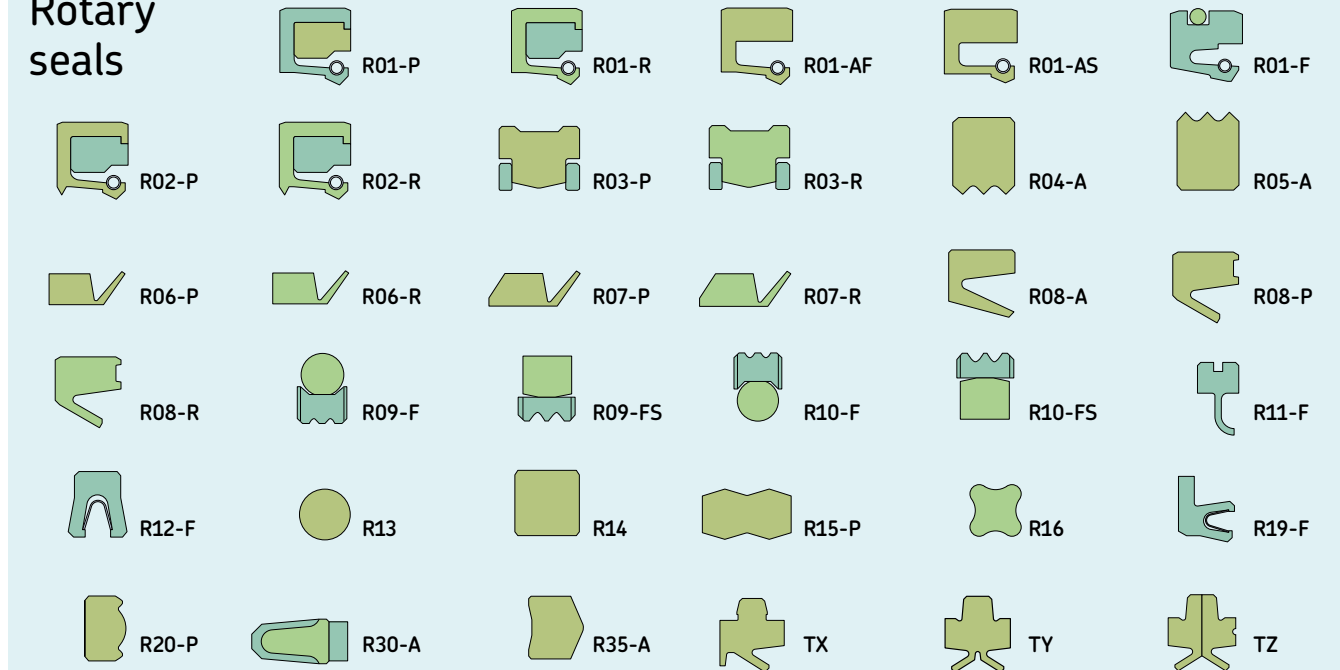


Rod seals

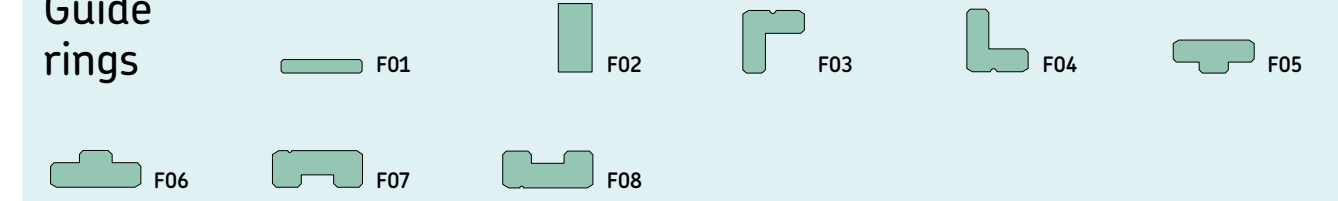


Indicated materials (colours) are examples, profiles are available in a wide range of standard and non-standard materials.

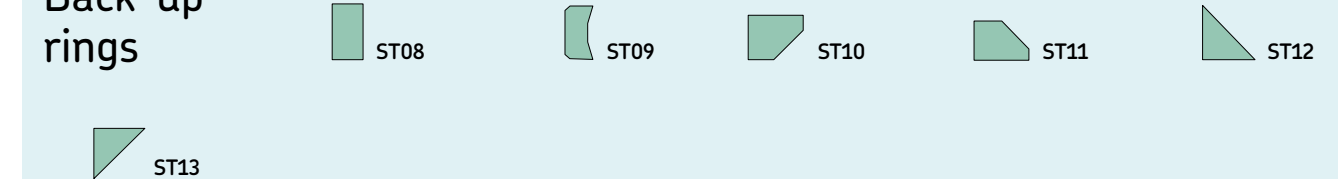
Rotary seals



Guide rings



Back-up rings



Materials overview	Material colour	Shore A/D hardness	Operating temperature, °C			Mineral oils HL, HLP, HVLP			HFA-fluids (oil in water)			Water		
			min.	max.	short	60 °C	100 °C	40 °C	60 °C	40 °C	60 °C			
<small>A...Excellent, B...Good, C...Limited, D...Not recommended</small>														
Elastomers, polyurethanes														
ECOPUR	Polyurethane (TPU)	95/48	-30	110	125	A	B	B	D	B	D			
T-ECOPUR	Polyurethane (TPU)	95/48	-50	100	120	A	B	B	D	B	D			
H-ECOPUR	Polyurethane (TPU)	95/48	-20	110	125	A	A	A	A	A	A			
S-ECOPUR	Polyurethane (TPU)	95/48	-20	110	125	A	A	A	A	A	A			
ECOPUR LD	Cast polyurethane (CPU)	95/48	-35	110	125	A	B	B	D	B	D			
G-ECOPUR	Cast polyurethane (CPU)	95/47	-30	110	125	A	A	A	A	A	A			
X-ECOPUR	Hard grade polyurethane (TPU)	97/57	-30	115	130	A	B	B	D	B	D			
X-ECOPUR H	Hard grade polyurethane (TPU)	97/60	-20	115	130	A	A	A	A	A	A			
X-ECOPUR S	Hard grade polyurethane (TPU)	96/58	-20	115	130	A	A	A	A	A	A			
Elastomers, rubber														
SKF Ecorubber-1	Acrylonitrile butadiene rubber (NBR)	85/-	-30	100	120	A	A	A	A	A	A			
SKF Ecorubber-H	Hydrogenated NBR (H-NBR)	85/-	-30	150	160	A	A	A	A	A	A			
SKF Ecorubber-2	Fluorocarbonate rubber (FKM)	85/-	-20	200	220	A	A	A	B	A	A			
SKF Ecorubber-3	Ethylene propylene diene rubber (EPDM)	85/-	-50	150	160	D	D	D	D	A	A			
SKF Ecoflas	Tetrafluoroethylene propylene rubber (TFE/P)	83/-	-10	200	220	A	A	A	A	A	A			
SKF Ecosil	Silicone rubber (MVQ)	85/-	-60	200	220	B	C	no data	no data	A	A			
Thermoplastics														
SKF Ecoflon 1	Polytetrafluoroethylene (PTFE)	-57	-200	260	-	A	A	A	A	A	A			
SKF Ecoflon 2	Polytetrafluoroethylene +15% glass +5% MoS ₂	-62	-200	260	-	A	A	A	A	A	A			
SKF Ecoflon 3	Polytetrafluoroethylene +40% bronze	-65	-200	260	-	A	A	A	A	A	A			
SKF Ecoflon 4	Polytetrafluoroethylene +25% carbon	-65	-200	260	-	A	A	A	A	A	A			
SKF Ecoflon 5	Polytetrafluoroethylene +25% carbon	-59	-200	260	-	A	A	A	A	A	A			
SKF Ecotal	Polyacetal (POM)	-82	-50	100	-	A	A	A	A	A	A			
SKF Ecomid	Polyamide (PA)	-77	-40	110	-	A	A	C*	C*	C*	C*			
SKF Ecopaek	Polyaryletherketone (PEEK)	-87	-100	260	-	A	A	A	A	A	A			
SKF Ecowear	Ultra-High Molecular Weight Polyethylene (UHMWPE)	-61	-200	90	-	A	A	A	A	A	A			

* Exposure to water-based fluids or moisture causes swelling



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