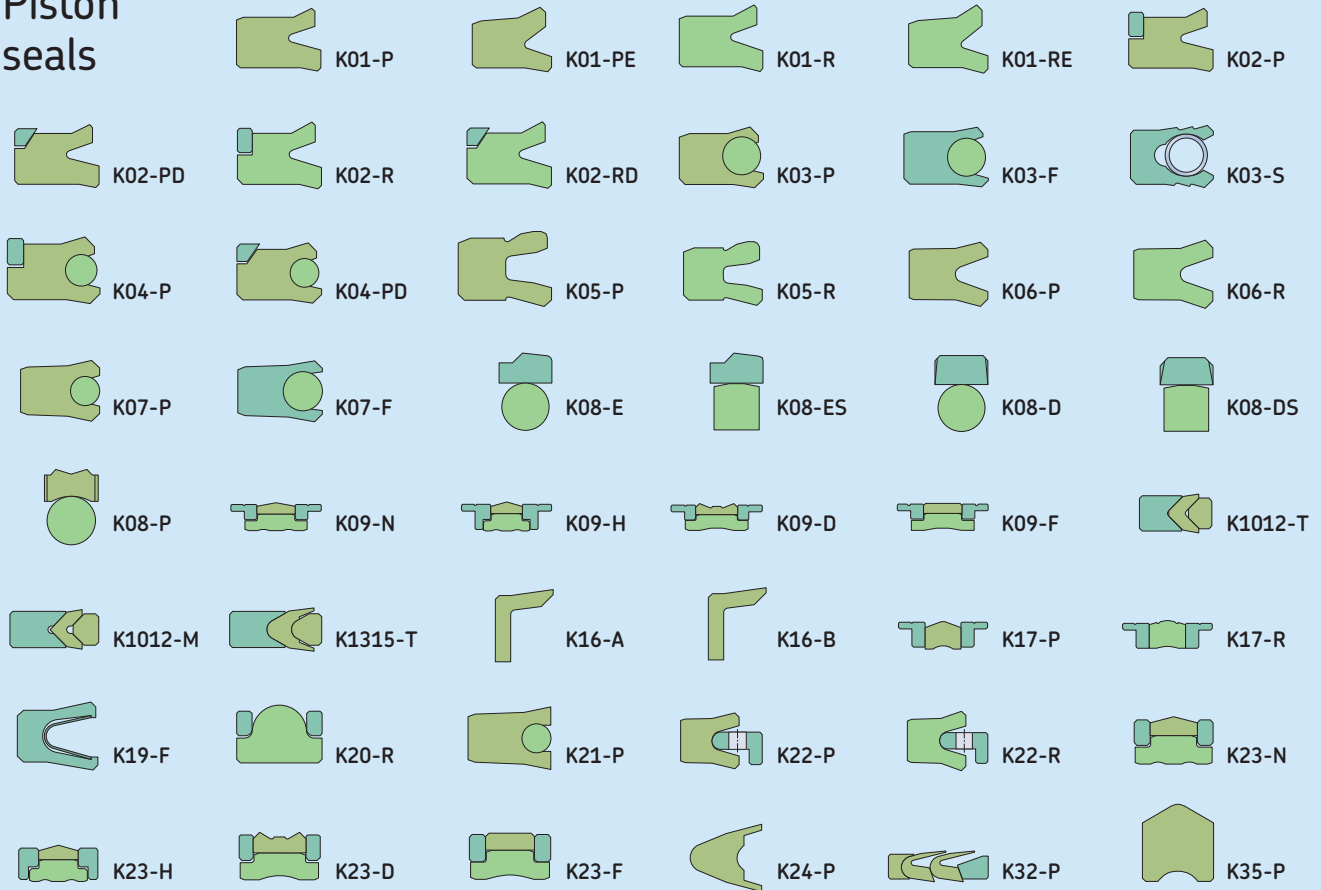


Customized machined seals

Profiles overview

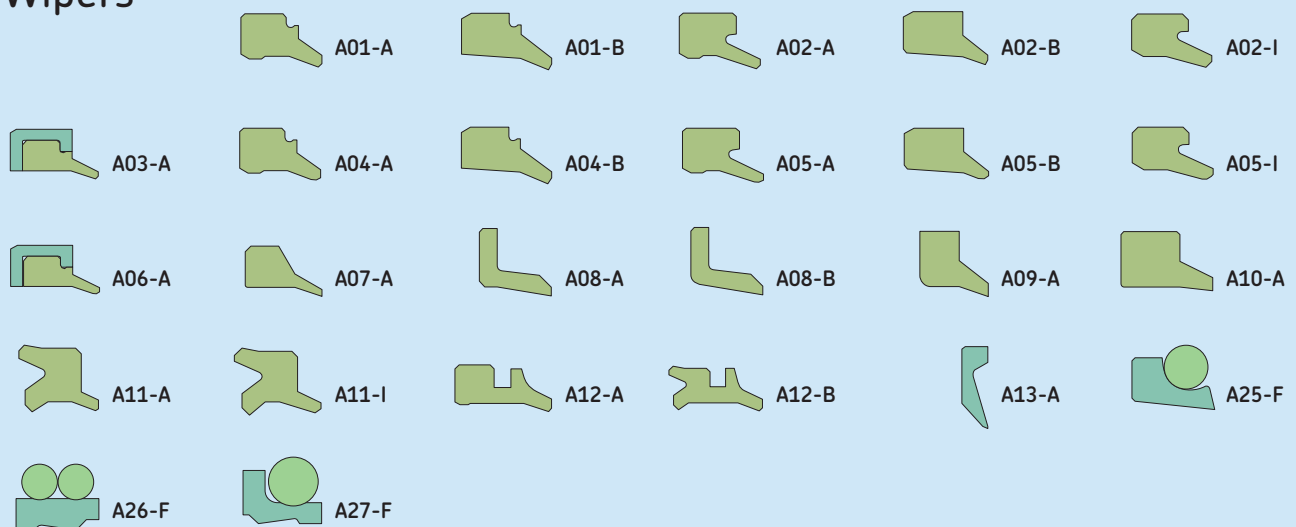


Piston seals

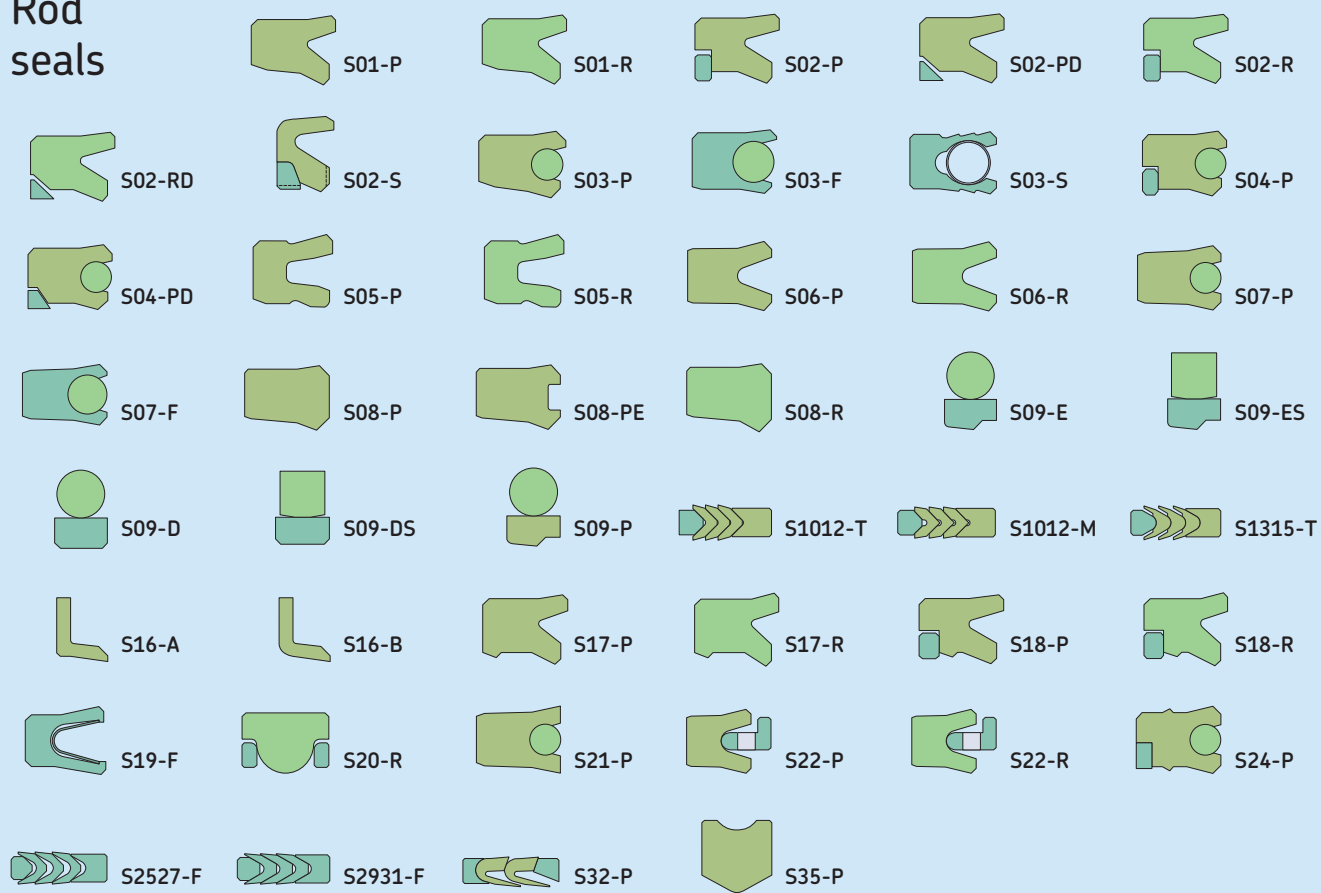


Thanks to our innovative manufacturing process we are able to produce virtually any profile in any dimension and material.

Wipers

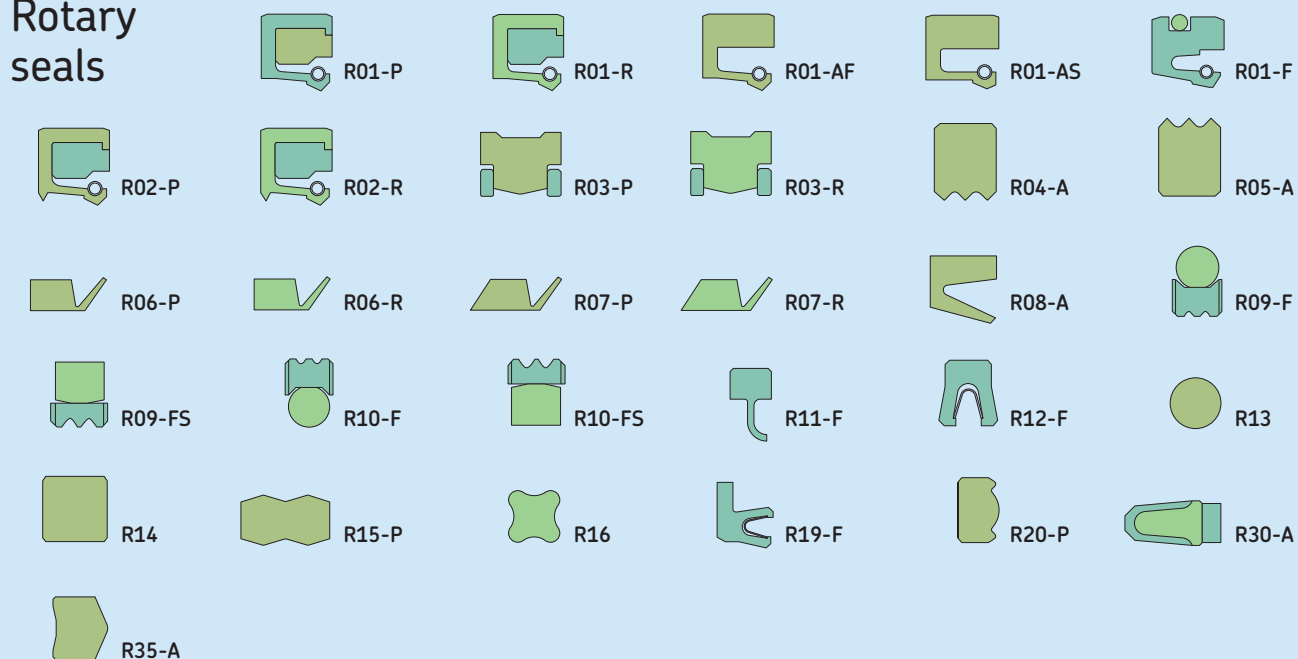


Rod seals



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

Rotary seals



Guide rings

 F01

 F02

 F03

 F04

 F05

 F06

 F07

 F08

Back-up rings

 ST08

 ST09




























 ST10

 ST11

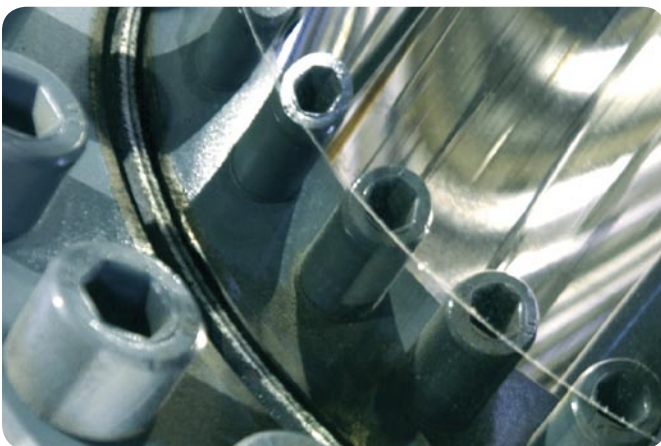
 ST12

 ST13

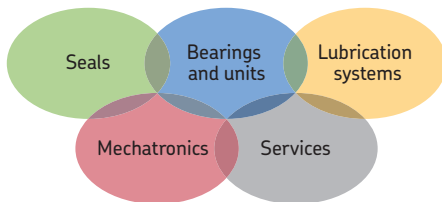
Materials overview

Materials overview		Material colour	Shore A/D hardness	Operating temperature, °C		Mineral oil based resistance		HFA-E water +oil emuls. resistance		Water resistance	
				min.	max.	RT	60 °C	RT	60 °C	RT	60 °C
Elastomers, polyurethanes											
ECOPUR	Polyurethane (TPU)		95/48	-30	110	+	+	0	–	+	–
H-ECOPUR	Polyurethane (TPU)		95/48	-20	110	+	+	+	+	+	+
S-ECOPUR	Polyurethane (TPU)		95/48	-20	110	+	+	+	+	+	+
T-ECOPUR	Polyurethane (TPU)		95/48	-50	110	+	+	0	–	+	–
G-ECOPUR	Polyurethane (TPU)		95/47	-30	110	+	+	+	0	+	0
X-ECOPUR	Hard grade polyurethane (TPU)		97/57	-30	110	+	+	0	–	+	–
XH-ECOPUR	Hard grade polyurethane (TPU)		97/60	-20	110	+	+	+	+	+	+
XS-ECOPUR	Hard grade polyurethane (TPU)		96/57	-20	110	+	+	+	+	+	+
Elastomers, rubber											
SKF Ecorubber-H	Hydrogenated NBR (H-NBR)		85/–	-25	150	+	+	+	+	+	+
SKF Ecorubber-1	Acrylonitrile butadiene rubber (NBR)		85/–	-30	100	+	+	+	+	+	+
SKF Ecorubber-2	Fluorocarbonate rubber (FKM)		83/–	-20	200	+	+	+	0	+	+
SKF Ecorubber-3	Ethylene propylene diene rubber (EPDM)		85/–	-50	150	–	–	–	–	+	+
SKF Ecosil	Silicone rubber (MVQ)		85/–	-60	200	+/0	+/0	0	0	+	+
SKF Ecoflas	Tetrafluoroethylene propylene rubber (TFE/P)		83/–	-10	200	+	+	+	+	+	+
Thermoplastics											
SKF Ecotal	Polyacetal (POM)		 	-50	100	+	+	+	+	+	+
SKF Ecoflon 1	Polytetrafluoroethylene (PTFE)		-/57	-200	260	+	+	+	+	+	+
SKF Ecoflon 2	Polytetrafluoroethylene +15% glass +5% MoS ₂		-/60	-200	260	+	+	+	+	+	+
SKF Ecoflon 3	Polytetrafluoroethylene +40% bronze		-/64	-200	260	+	+	+	+	+	+
SKF Ecoflon 3F	Polytetrafluoroethylene +40% bronze + add.		-/64	-200	260	+	+	+	+	+	+
SKF Ecoflon 4	Polytetrafluoroethylene +25% carbon		-/65	-200	260	+	+	+	+	+	+
SKF Ecomid	Polyamide (PA)		 	-/77	-40	100	+	+	+	+	0
SKF Ecowear	Ultra-High Molecular Weight Polyethylene (UHMWPE)		-/77	-200	70	+	+	+	+	+	+
SKF Ecopaek	Polyaryletherketone (PEEK)		-/86	-60	250	+	+	+	+	+	+

+ Suitable
 0 Unknown data or limited resistance
 - Not recommended
 RT Room temperature (20 °C)



Open to see the full range of machined seals, wipers, guide rings and back-up rings



The Power of Knowledge Engineering

Drawing on five areas of competence and application-specific expertise amassed over more than 100 years, SKF brings innovative solutions to OEMs and production facilities in every major industry world-wide. These five competence areas include bearings and units, seals, lubrication systems, mechatronics (combining mechanics and electronics into intelligent systems), and a wide range of services, from 3-D computer modelling to advanced condition monitoring and reliability and asset management systems. A global presence provides SKF customers uniform quality standards and worldwide product availability.

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