

Customized machined seals

Profiles overview

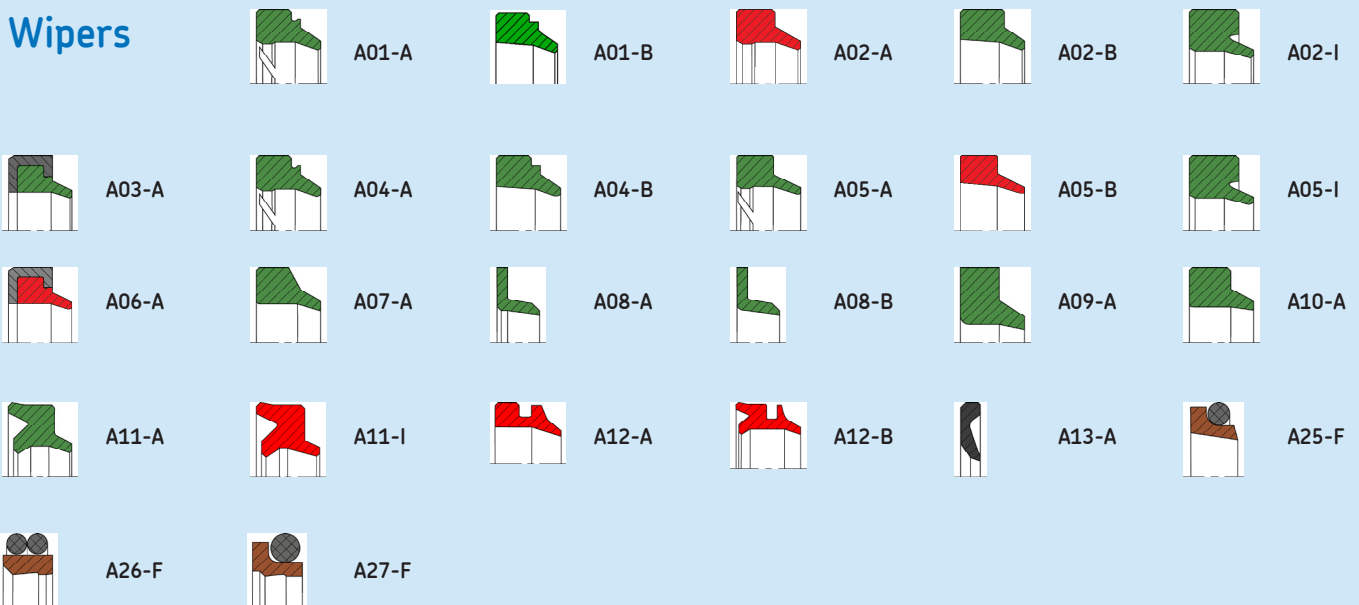


Piston seals



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

Wipers

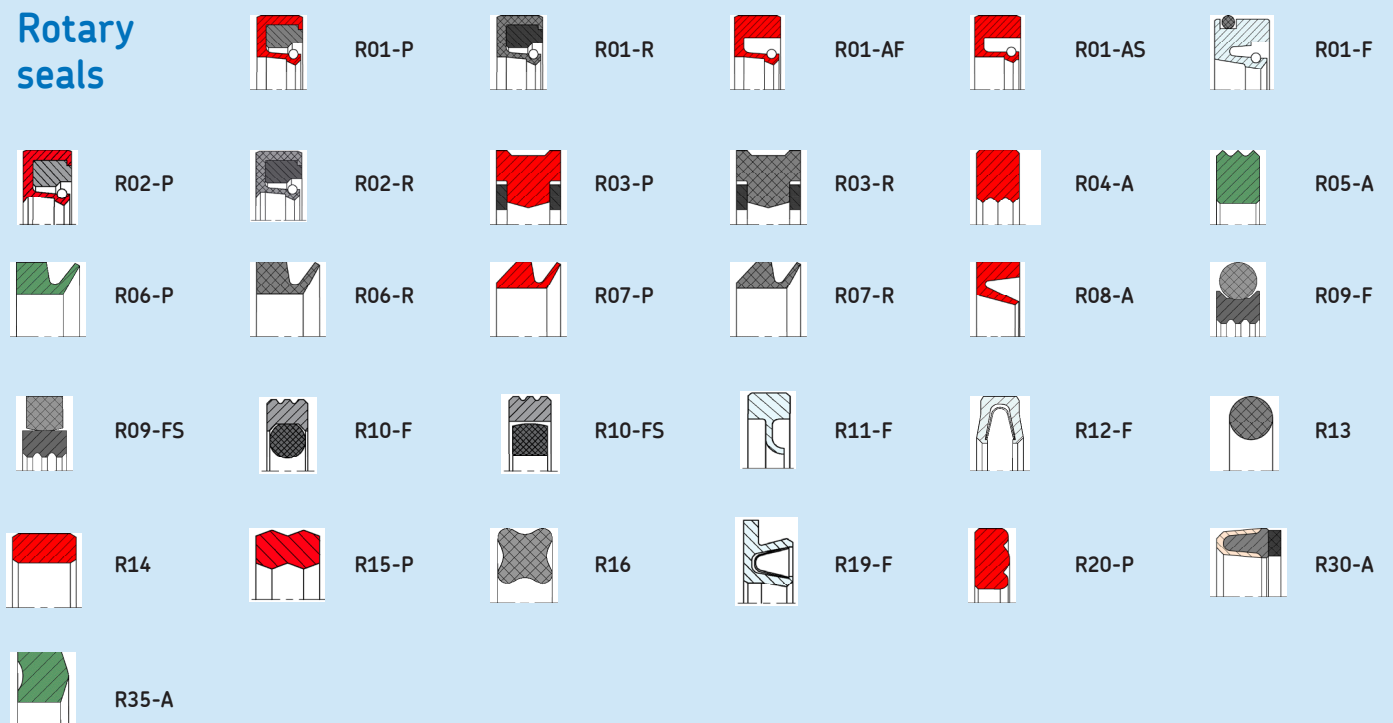


Rod seals



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

Color

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	0
SKF Ecowear	Ultra-High Molecular Weight Polyethylene (UHMWPE)			-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





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