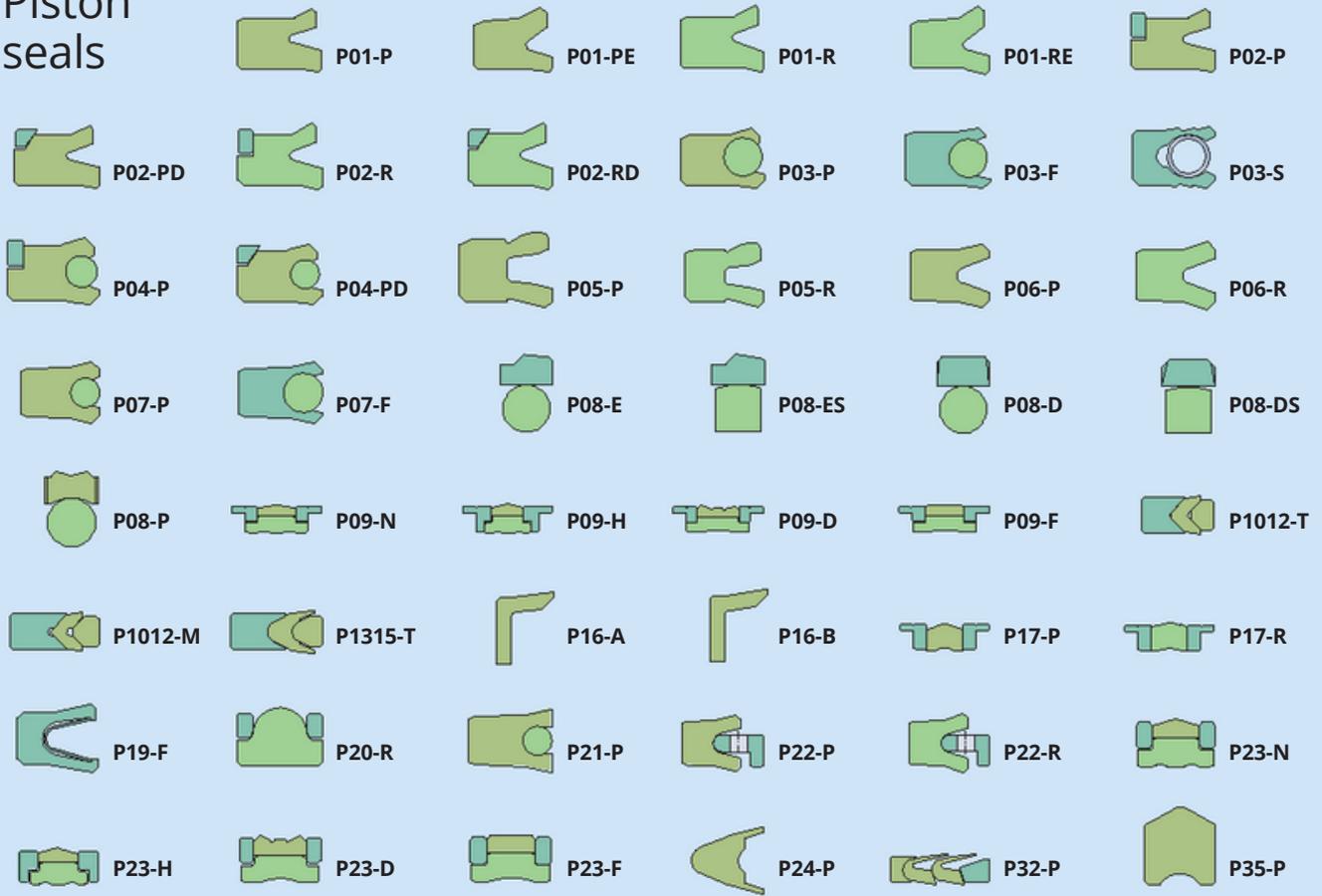


# Customized machined seals

Profiles overview

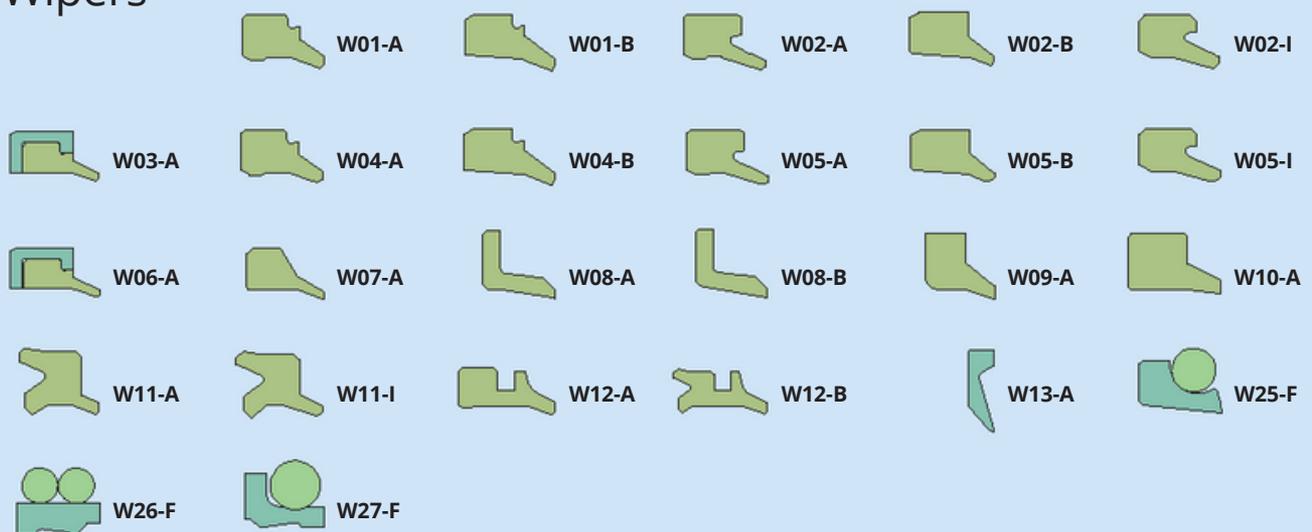


## Piston seals

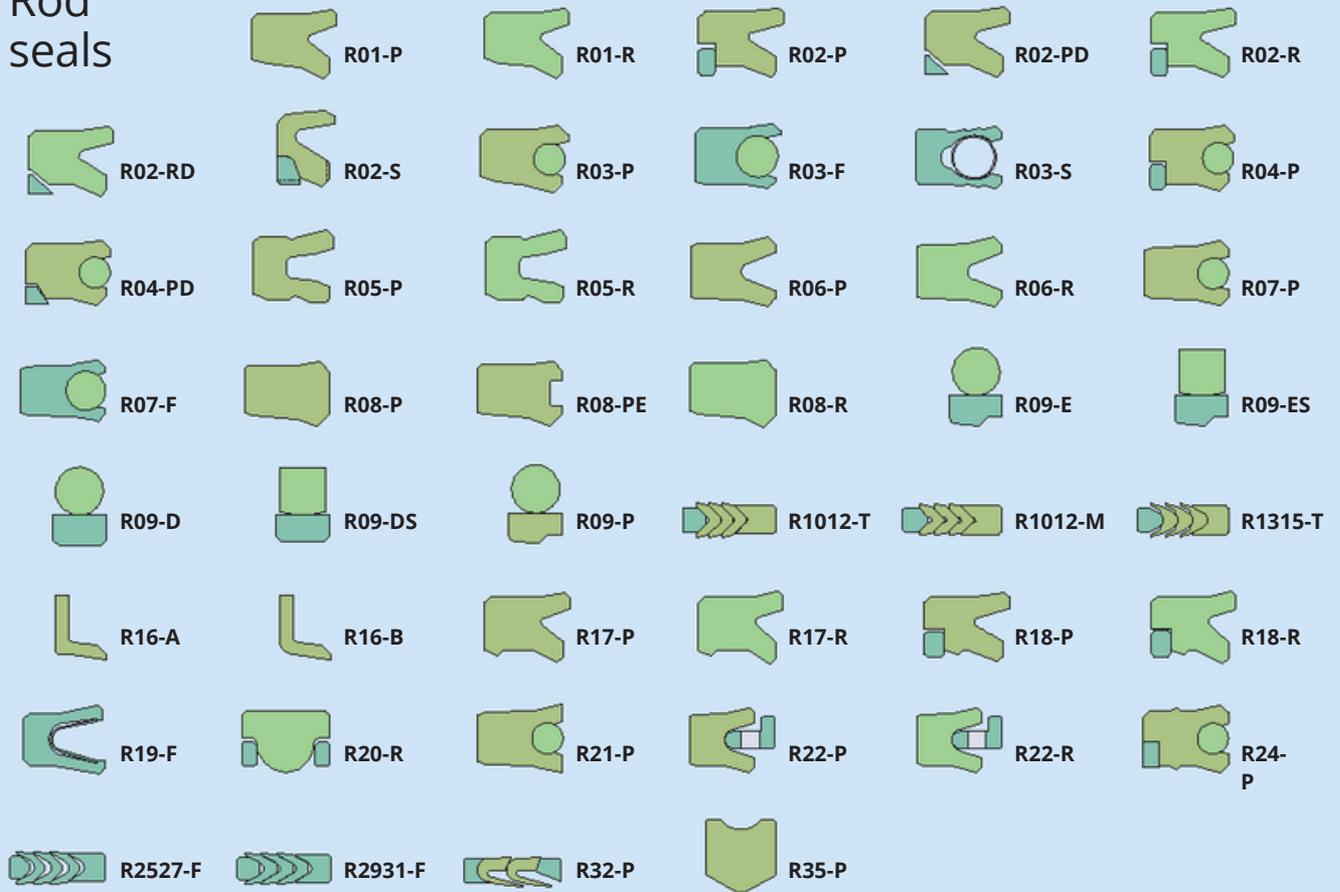


Thanks to our innovative manufacturing process we are able to produce virtually any profile in any dimension and material.

## Wipers

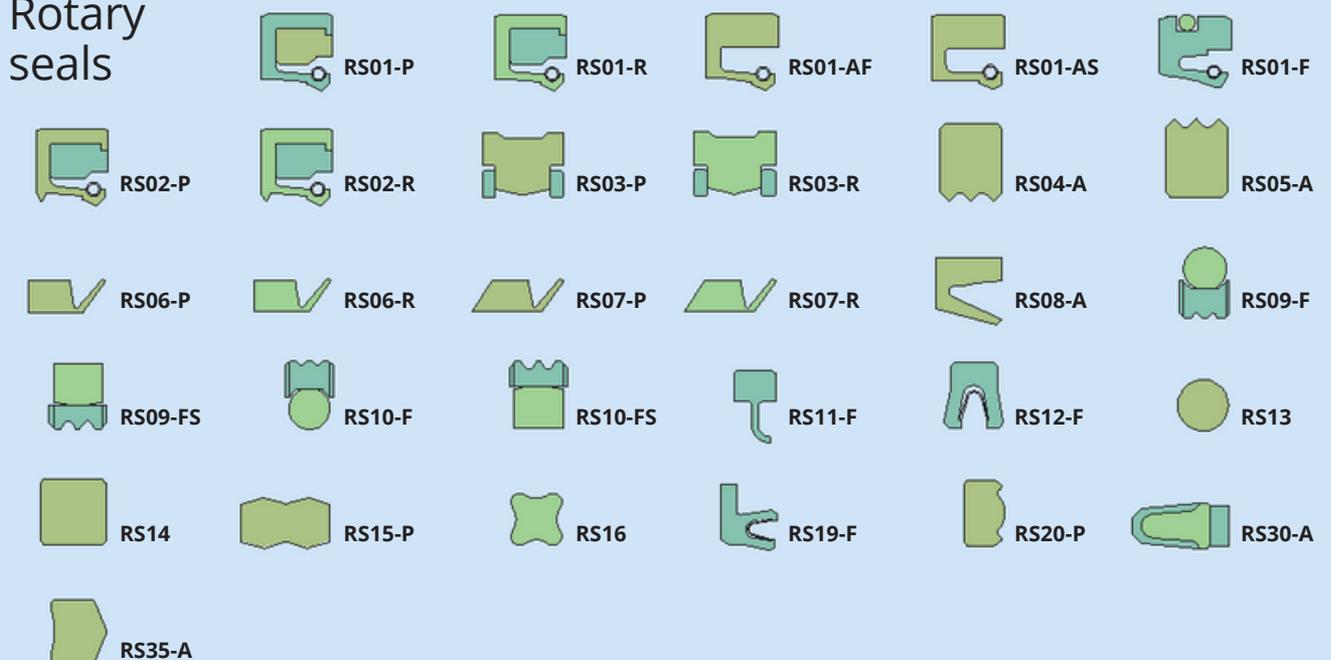


## Rod seals



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

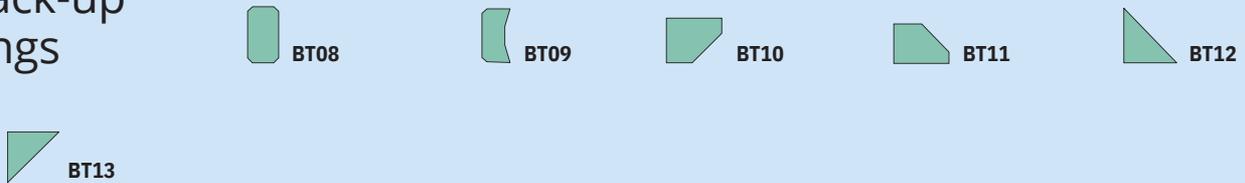
## Rotary seals



## Guide rings



## Back-up rings



### Materials overview

	Material 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	RT 60 °C		
<b>Elastomers, polyurethanes</b>										
Polyurethane (TPU)	n	95/48	-30	110	+	+	0	-	+	-
Polyurethane (TPU)	n	95/48	-20	110	+	+	+	+	+	+
Polyurethane (TPU)	n	95/48	-20	110	+	+	+	+	+	+
Polyurethane (TPU)	n	95/48	-50	110	+	+	0	-	+	-
Polyurethane (TPU)	n	95/47	-30	110	+	+	+	0	+	0
Hard grade polyurethane (TPU)	n	97/57	-30	110	+	+	0	-	+	-
Hard grade polyurethane (TPU)	n	97/60	-20	110	+	+	+	+	+	+
Hard grade polyurethane (TPU)	n	96/57	-20	110	+	+	+	+	+	+
<b>Elastomers, rubber</b>										
Hydrogenated NBR (H-NBR)	n	85/	-25	150	+	+	+	+	+	+
Acrylonitrile butadiene rubber (NBR)	n	-	-30	100	+	+	+	+	+	+
Fluorocarbonate rubber (FKM)	n	85/	-20	200	+	+	+	0	+	+
Ethylene propylene diene rubber (EPDM)	n	83/	-50	150	-	-	-	-	+	+
Silicone rubber (MVQ)	n	-	-60	200	+	/ 0	+0 / 00		+	+
Tetrafluoroethylene propylene rubber (TFE/P)	n	-	-10	200	+	+	+	+	+	+
		85/								
		-								
		85/								
		-								
<b>Thermoplastics</b>										
Polyacetal (POM)	n	-	-50	100	-		+	+	+	+
Polytetrafluoroethylene (PTFE)	n	83/	200	260	-		+	+	+	+
Polytetrafluoroethylene +15% glass +5% MoS2	n	-7/5	200	260			+	+	+	+
Polytetrafluoroethylene +40% bronze	n	-6/0	-200	260			+	+	+	+
Polytetrafluoroethylene +40% bronze + add.	n	0	-200	260			+	+	+	+
Polytetrafluoroethylene +25% carbon	n	-6/4	-200	260			+	+	+	+
Polyamide (PA)	n	-6/4	-40	100	-		+	+	0	0
Ultra-High Molecular Weight Polyethylene (UHMWPE)	n	4	200	70	-		+	+	+	+
SKF Ecopaek Polyaryletherketone (PEEK)	n	-6/5	60	250			+	+	+	+
		-7/7								
		-8/6								

+ 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