sealwell

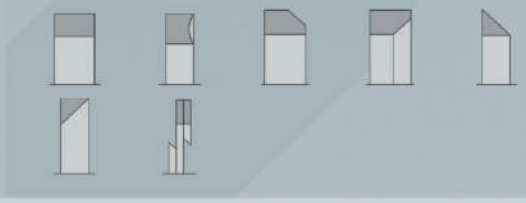
HYDRAULIC & PNEUMATIC SEALING SOLUTIONS

Under Technical Knowhow From Austria

25 Years
Since 2000

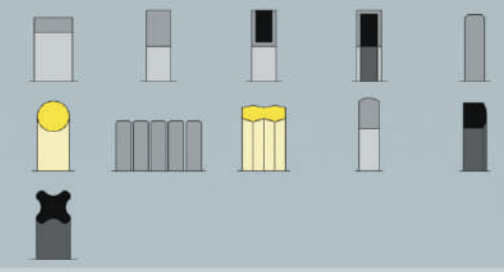
PROFILES

BACKRINGS

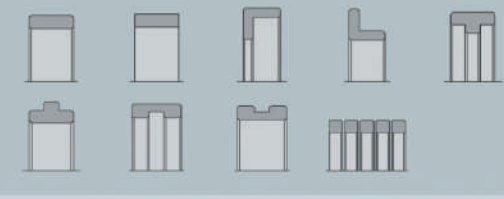


WIPERS

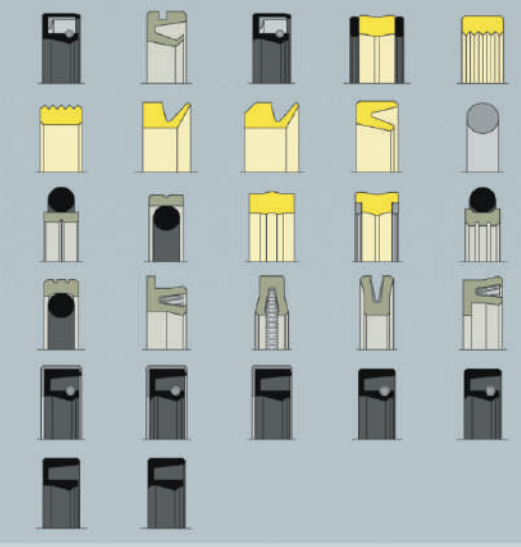
GASKETS



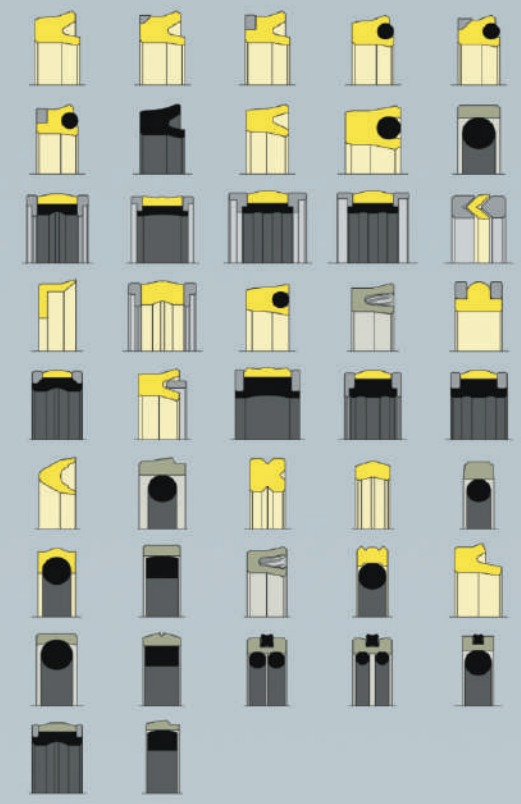
GUIDE RINGS



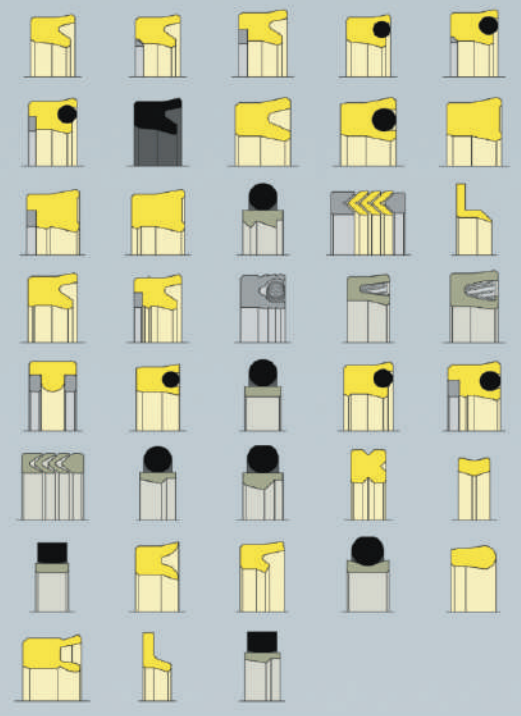
ROTARY SEALS



PISTON SEALS



ROD SEALS

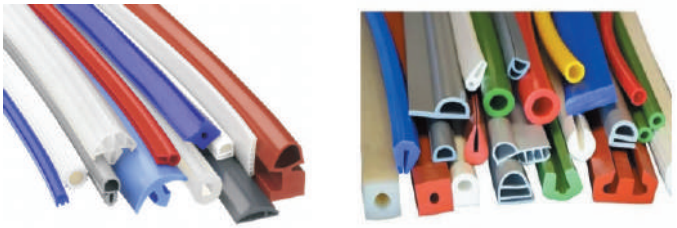


Our Scope

- Seals for Hydraulic & Pneumatic application
  Standard and non-standard size of machined seals upto 2000mm

- Seals for Construction Equipment's
  Ram of 180 & 200 Dia, Cable drilling Machine, Rock Breakers

- Beadings of NBR, EPDM, Silicon, PU



- O-Ring Chords- NBR, Viton, EPDM, Silicon, PU (2mm to 20mm)

- O-Rings of – NBR, Viton, Silicon, PU

- Customised & Remoulding of moulded Products
  Rollers, diaphragm, wheels, gaskets (NBR, PU)

- PTFE Customised Profiles, Ropes

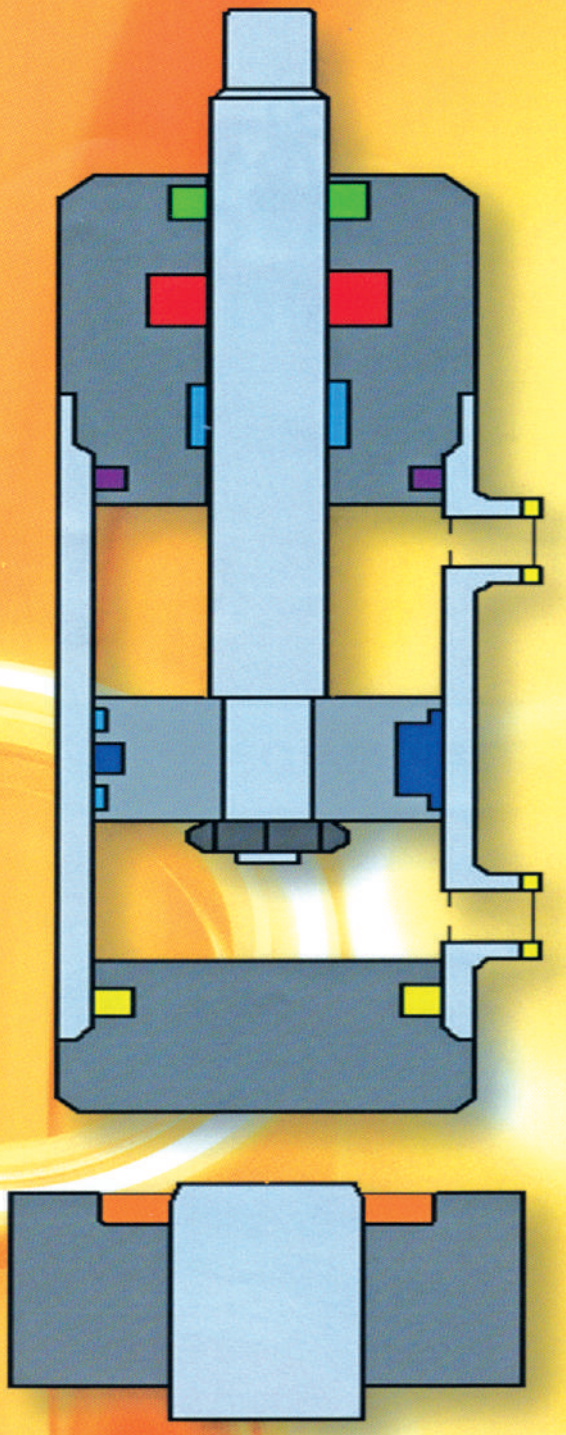
- Mechanical Seals as per samples and customer requirement.

- New Hydraulic & pneumatic cylinder manufacturing as per customer requirement.
  Repair & Reconditioning of hydraulic & pneumatic cylinders
  upto 1000mm with honing, grinding, machining facilities

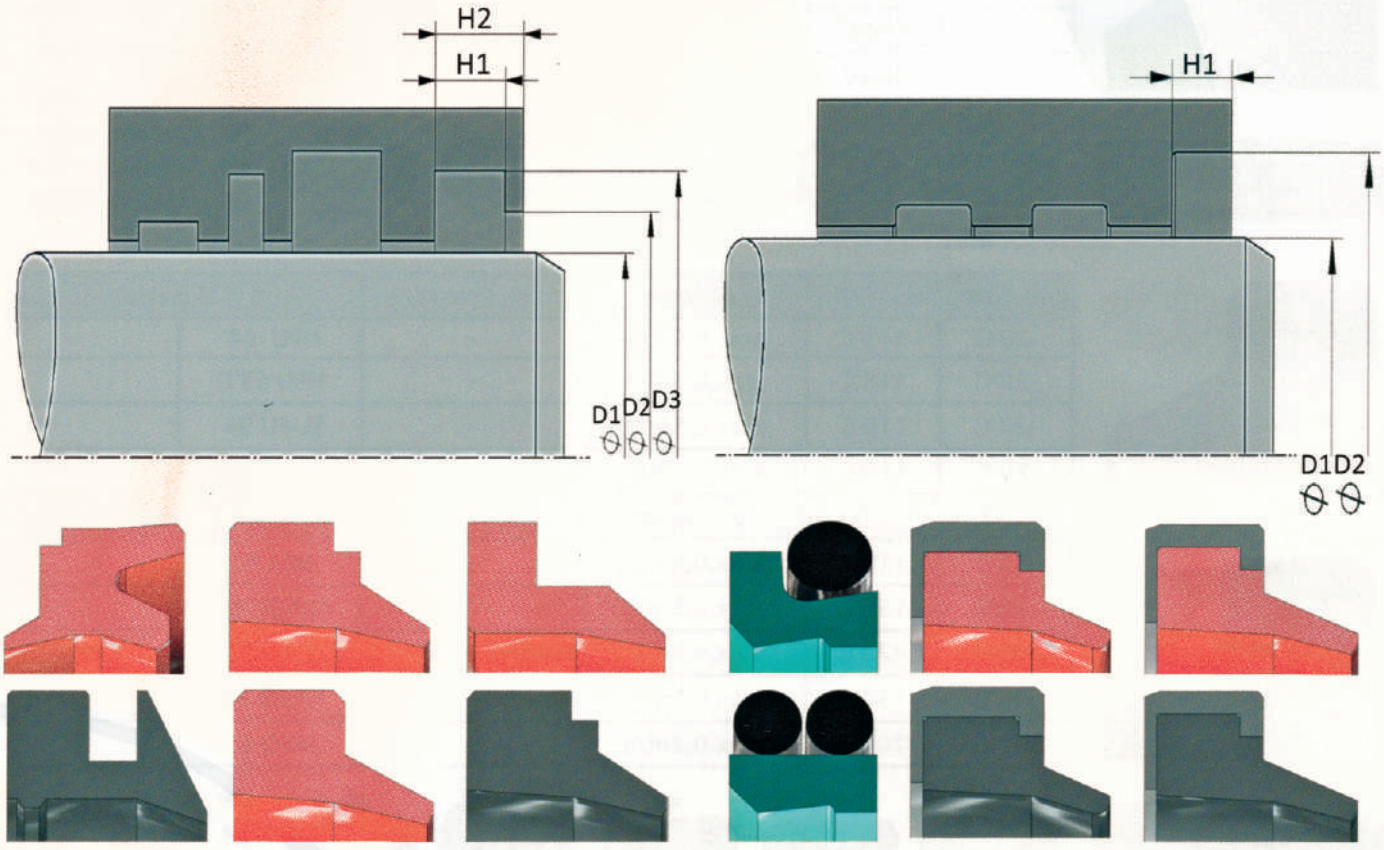
- CNC Chuck, Turret reconditioning

- All types of Aluminium die casting & Plastic Injection Mould Cylinders reconditioning.

TYPES OF SEALS



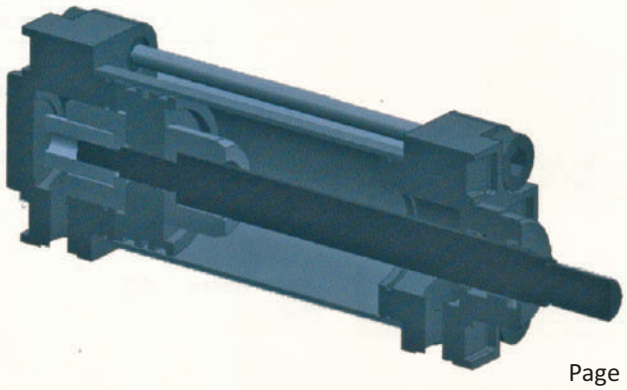
WIPERS

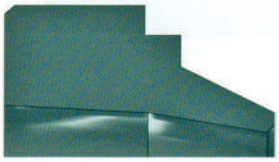


Scrapers or wipers are installed in the sealing configurations of hydraulic cylinders to scrape dirt, external particles, chips or moisture from the piston rods as they retract into the system.
A hydraulic wiper or scraper prevents contamination of the hydraulic medium that could damage wear rings, seals and other components.

The selection of the shape and form of the wiper depends from several factors:

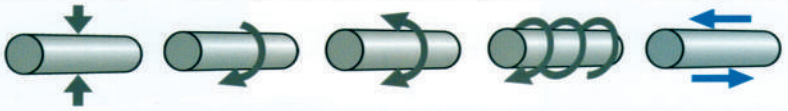
- Function as a wiper only or as a wiper/seal
- Dirtiness load in the external area of the system
- Sliding speed
- Space requirement in the design area
- Open or closed installation space
- Temperature range and/or medium (important for selection of material)



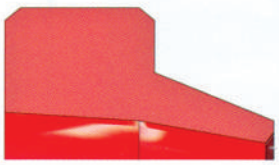


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	-	HPU 94°	
-20°C	115°C	max.0.4m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.4m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,3m/s	-	MVQ 85°	

SWA101

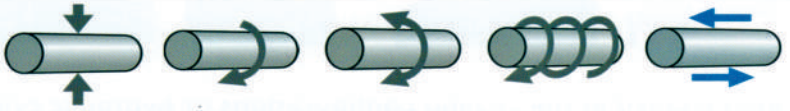


Primary Application
Application Limits
- Not applicable

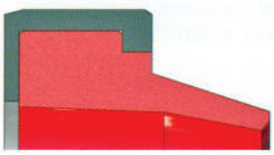


min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	-	HPU 94°	
-20°C	115°C	max.0.5m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.5m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,4m/s	-	MVQ 85°	

SWA102

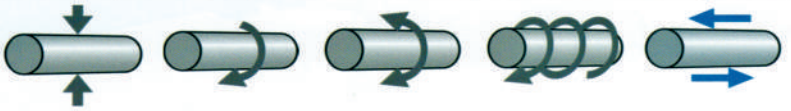


Primary Application
Application Limits
- Not applicable

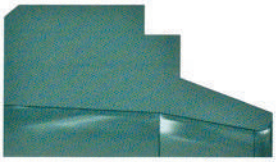


min.Temp	max.Temp	max. Speed	max. Pressure	Material / Case	
-20°C	115°C	max.0.5m/s	-	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	-	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	-	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Case**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	-	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	-	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,4m/s	-	MVQ 85°	POM/PTFE/PEEK

SWA103

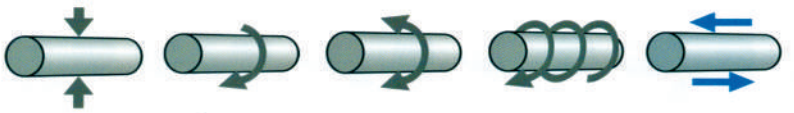


Primary Application
Application Limits
- Not applicable



min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	-	HPU 94°	
-20°C	115°C	max.0.4m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.4m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,3m/s	-	MVQ 85°	

SWA104-PN

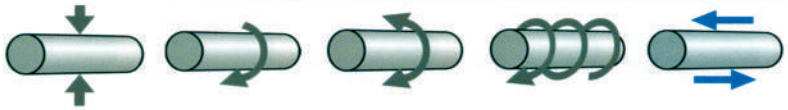


Primary Application
Application Limits
- Not applicable

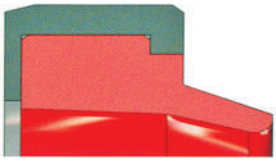
sealwell sealwell

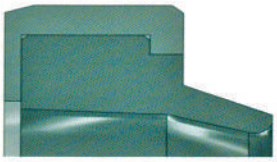
min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	-	HPU 94°	
-20°C	115°C	max.0.5m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.5m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,4m/s	-	MVQ 85°	

SWA105-PN



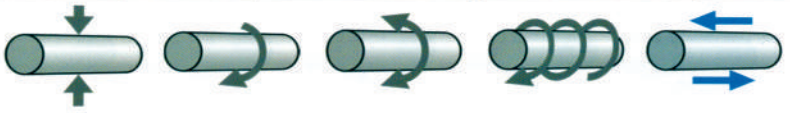
Primary Application
Application Limits
- Not applicable





min.Temp	max.Temp	max. Speed	max. Pressure	Material	Case
-20°C	115°C	max.0.5m/s	max.500bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.500bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.500bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.500bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	**Case**
-30°C	110°C	max.0,5m/s	max.200bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.200bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.200bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.200bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,4m/s	max.200bar	MVQ 85°	POM/PTFE/PEEK

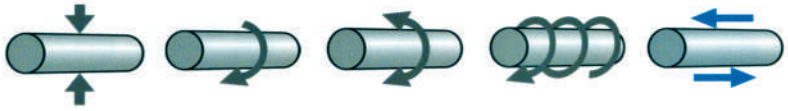
SWA106-PN



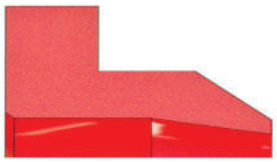
Primary Application
Application Limits
- Not applicable

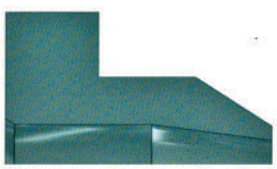
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	-	HPU 94°	
-20°C	115°C	max.0.4m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.4m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,3m/s	-	MVQ 85°	

SWA107



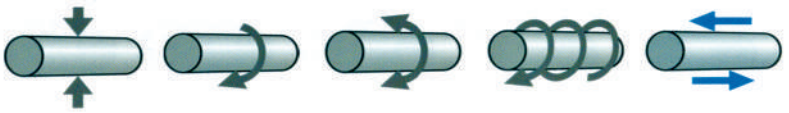
Primary Application
Application Limits
- Not applicable





min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	-	HPU 94°	
-20°C	115°C	max.0.4m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.4m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,3m/s	-	MVQ 85°	

SWA108

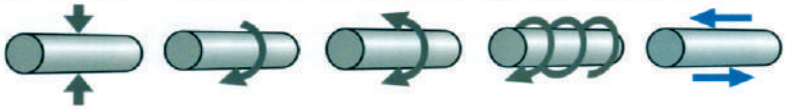


Primary Application
Application Limits
- Not applicable

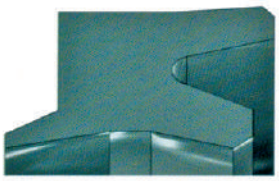
sealwell sealwell

SWA109

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	-	HPU 94°	
-20°C	115°C	max.0.5m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.5m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,4m/s	-	MVQ 85°	

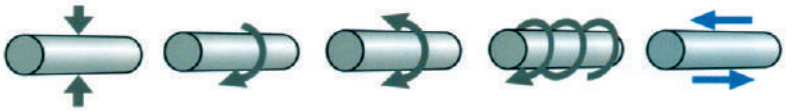


Primary Application
Application Limits
- Not applicable

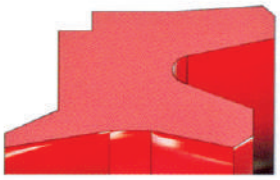


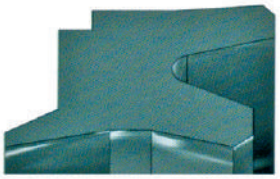
SWA211

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	-	HPU 94°	
-20°C	115°C	max.0.4m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.4m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,3m/s	-	MVQ 85°	



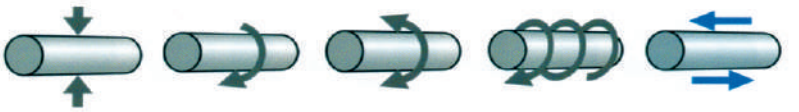
Primary Application
Application Limits
- Not applicable



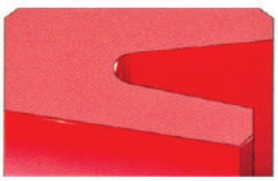


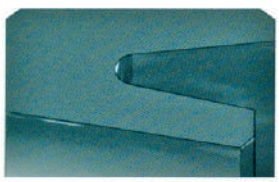
SWA212

min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	-	HPU 94°	
-20°C	115°C	max.0.5m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.5m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,4m/s	-	MVQ 85°	



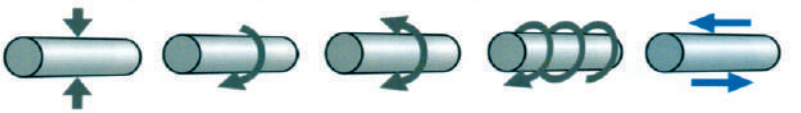
Primary Application
Application Limits
- Not applicable





SWA113

min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	-	HPU 94°	
-20°C	115°C	max.0.5m/s	-	HPU 55°D	
-20°C	110°C	max.0.5m/s	-	SL-PU 94°	
-50°C	110°C	max.0.5m/s	-	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	-	NBR 85°	
-20°C	150°C	max.0,5m/s	-	H-NBR 85°	
-20°C	220°C	max.0,5m/s	-	FPM 82°	
-45°C	130°C	max.0,5m/s	-	EPDM 85°	
-60°C	200°C	max.0,4m/s	-	MVQ 85°	

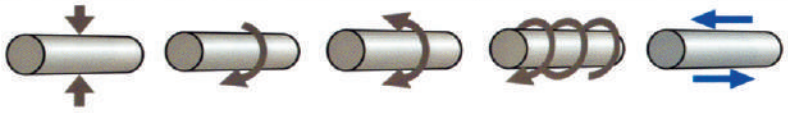


Primary Application
Application Limits
- Not applicable

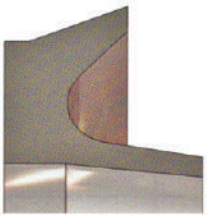
sealwell sealwell

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50°C	80°C	max.1.0m/s			POM
-40°C	80°C	max.1.0m/s			PA
-50°C	110°C	max.1.0m/s			PEEK
min.Temp	max.Temp	max. Speed	max. Pressure	Material	

SWA213

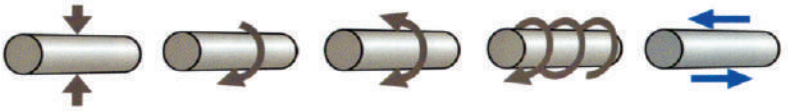


Primary Application
Application Limits
- Not applicable

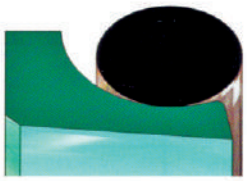


min Temp	max Temp	max. Speed	max. Pressure	Material	
-50°C	80°C	max.1.0m/s			POM
-40°C	80°C	max.1.0m/s			PA
-50°C	110°C	max.1.0m/s			PEEK
min.Temp	max.Temp	max. Speed	max. Pressure	Material	

SWA114

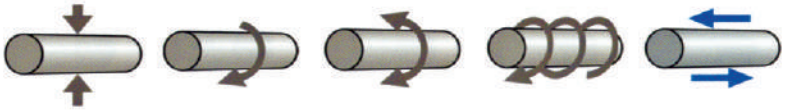


Primary Application
Application Limits
- Not applicable

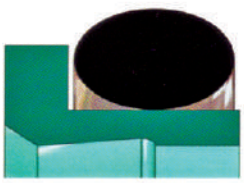


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	-	PTFE pure	
-200°C	260°C	max.10m/s	-	PTFE 1glass	
-200°C	260°C	max.10m/s	-	PTFE 2 bronze	
-200°C	260°C	max.10m/s	-	PTFE carbone	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	-	PTFE D05 turq	
-200°C	260°C	max.10m/s	-	PTFE D05 glass	
-200°C	260°C	max.10m/s	-	PTFE graphite	
-200°C	260°C	max.10m/s	-	PTFE ekonol	
-200°C	260°C	max.10m/s	-	PTFE 25%glass	

SWA115

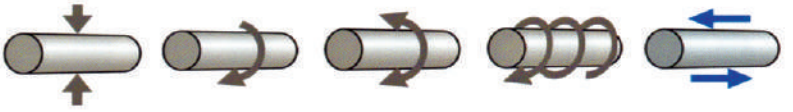


Primary Application
Application Limits
- Not applicable

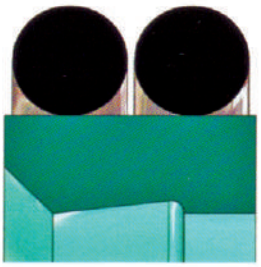


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	-	PTFE pure	
-200°C	260°C	max.10m/s	-	PTFE 1glass	
-200°C	260°C	max.10m/s	-	PTFE 2 bronze	
-200°C	260°C	max.10m/s	-	PTFE carbone	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	-	PTFE D05 turq	
-200°C	260°C	max.10m/s	-	PTFE D05 glass	
-200°C	260°C	max.10m/s	-	PTFE graphite	
-200°C	260°C	max.10m/s	-	PTFE ekonol	
-200°C	260°C	max.10m/s	-	PTFE 25%glass	

SWA116

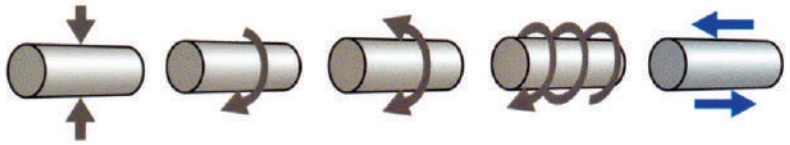


Primary Application
Application Limits
- Not applicable

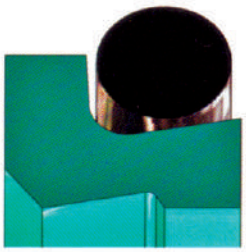


min Temp	max Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	-	PTFE pure	
-200°C	260°C	max.10m/s	-	PTFE 1glass	
-200°C	260°C	max.10m/s	-	PTFE 2 bronze	
-200°C	260°C	max.10m/s	-	PTFE carbone	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200°C	260°C	max.10m/s	-	PTFE D05 turq	
-200°C	260°C	max.10m/s	-	PTFE D05 glass	
-200°C	260°C	max.10m/s	-	PTFE graphite	
-200°C	260°C	max.10m/s	-	PTFE ekonol	
-200°C	260°C	max.10m/s	-	PTFE 25%glass	

SWA117

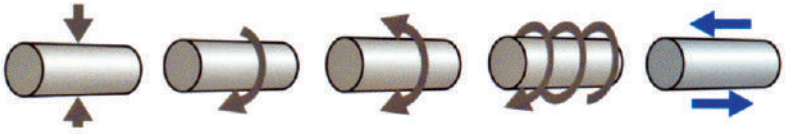


Primary Application
Application Limits
- Not applicable

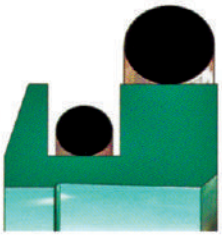


min Temp	max Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	-	PTFE pure	
-200°C	260°C	max.10m/s	-	PTFE 1glass	
-200°C	260°C	max.10m/s	-	PTFE 2 bronze	
-200°C	260°C	max.10m/s	-	PTFE carbone	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200°C	260°C	max.10m/s	-	PTFE D05 turq	
-200°C	260°C	max.10m/s	-	PTFE D05 glass	
-200°C	260°C	max.10m/s	-	PTFE graphite	
-200°C	260°C	max.10m/s	-	PTFE ekonol	
-200°C	260°C	max.10m/s	-	PTFE 25%glass	

SWA118

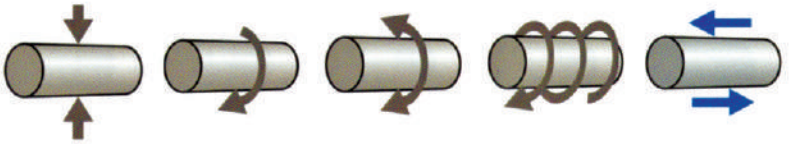


Primary Application
Application Limits
- Not applicable



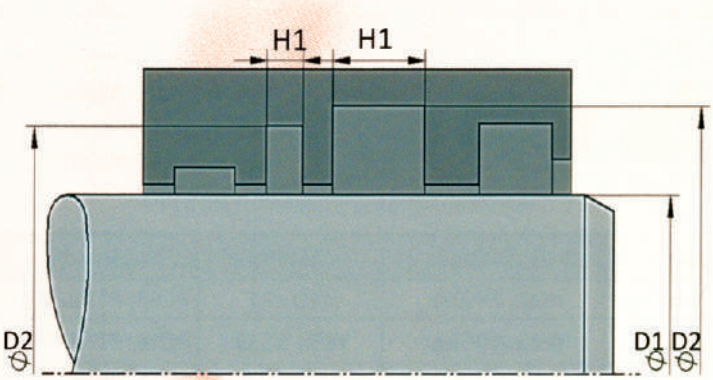
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	-	PTFE pure	
-200°C	260°C	max.10m/s	-	PTFE 1glass	
-200°C	260°C	max.10m/s	-	PTFE 2 bronze	
-200°C	260°C	max.10m/s	-	PTFE carbone	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200°C	260°C	max.10m/s	-	PTFE D05 turq	
-200°C	260°C	max.10m/s	-	PTFE D05 glass	
-200°C	260°C	max.10m/s	-	PTFE graphite	
-200°C	260°C	max.10m/s	-	PTFE ekonol	
-200°C	260°C	max.10m/s	-	PTFE 25%glass	

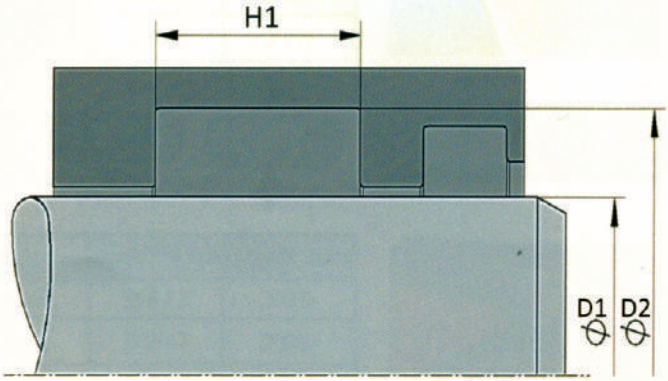
SWA119

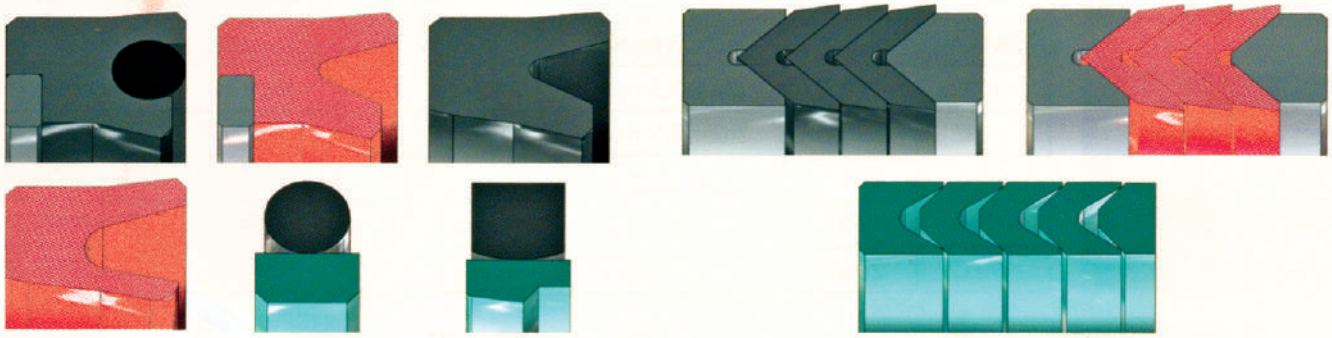


Primary Application
Application Limits
- Not applicable

ROD SEALS







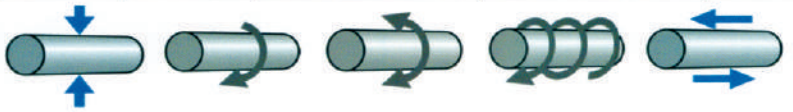
Rod seals are used in hydraulic cylinders for fluid sealing.
They are external to the cylinder head and seal against the cylinder's rod, preventing leakage of fluid from within the cylinder to the outside.
No double-acting hydraulic or pneumatic system could function without a rod seal (except systems with wiper seals).

The selection criteria for rod seals arise from a number of several factors:

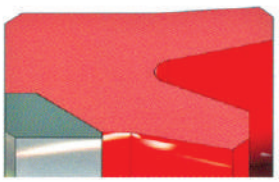
- Space requirement in the design area
- General system type (press, construction machinery, industrial cylinder etc.)
- Sliding speed
- Pressure load and/or gap width
- Open or closed installation space
- Temperature and medium (important for selection of material)

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	

SWS101

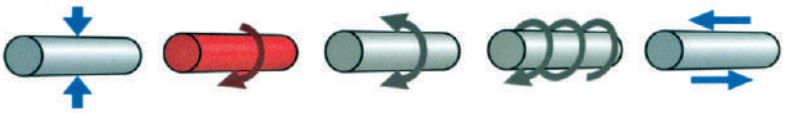


Primary Application
Application Limits
- Not applicable

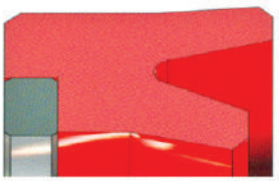


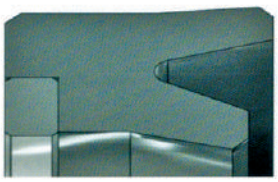
min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.0,5m/s	max.250bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.250bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.250bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.250bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,4m/s	max.250bar	MVQ 85°	POM/PTFE/PEEK

SWS102



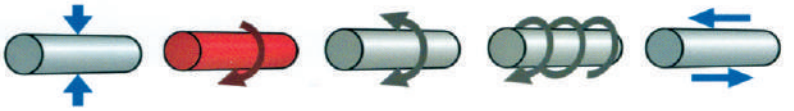
Primary Application
Application Limits
- Not applicable



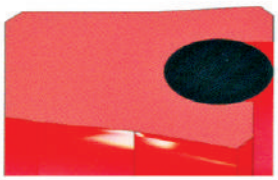


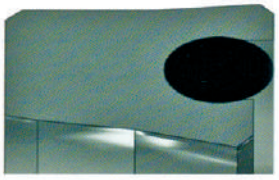
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.0,5m/s	max.250bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.250bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.250bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.250bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,4m/s	max.250bar	MVQ 85°	POM/PTFE/PEEK

SWS102-R



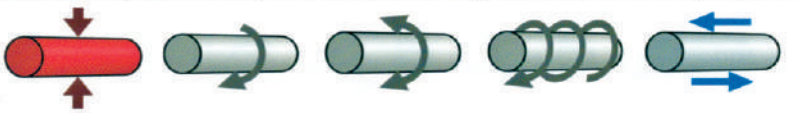
Primary Application
Application Limits
- Not applicable





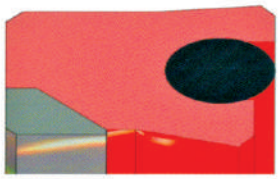
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	NBR70°/FPM75°
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	NBR70°/FPM75°
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	NBR70°/FPM75°
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	NBR70°/FPM75°
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	NBR70°/FPM75°
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	NBR70°/FPM75°
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	NBR70°/FPM75°
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	NBR70°/FPM75°

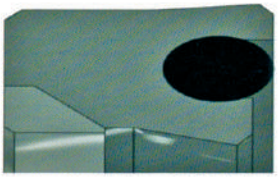
SWS103



Primary Application
Application Limits
- Not applicable

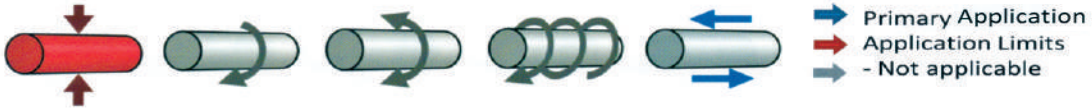
sealwell

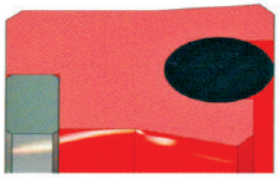


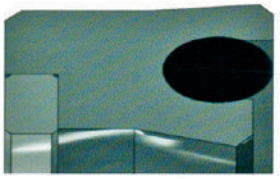


SWS104

min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.250bar	NBR 85°	NBR70°/FPM75°
-20°C	150°C	max.0,5m/s	max.250bar	H-NBR 85°	NBR70°/FPM75°
-20°C	220°C	max.0,5m/s	max.250bar	FPM 82°	NBR70°/FPM75°
-45°C	130°C	max.0,5m/s	max.250bar	EPDM 85°	NBR70°/FPM75°
-60°C	200°C	max.0,4m/s	max.250bar	MVQ 85°	NBR70°/FPM75°

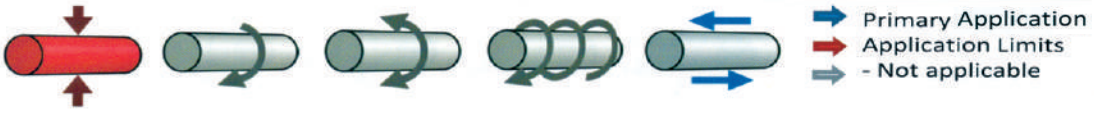


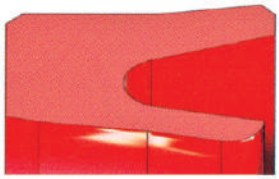


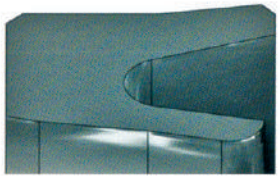


SWS104-R

min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.500bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.500bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.500bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.500bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.200bar	NBR 85°	NBR70°/FPM75°
-20°C	150°C	max.0,5m/s	max.200bar	H-NBR 85°	NBR70°/FPM75°
-20°C	220°C	max.0,5m/s	max.200bar	FPM 82°	NBR70°/FPM75°
-45°C	130°C	max.0,5m/s	max.200bar	EPDM 85°	NBR70°/FPM75°
-60°C	200°C	max.0,4m/s	max.200bar	MVQ 85°	NBR70°/FPM75°

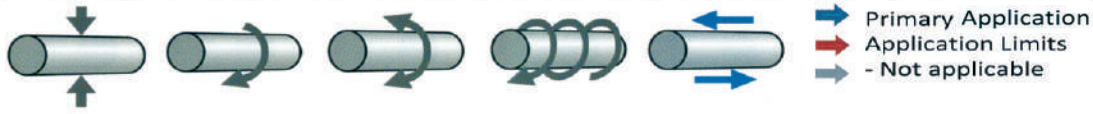


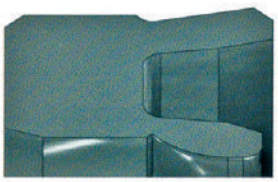




SWS105

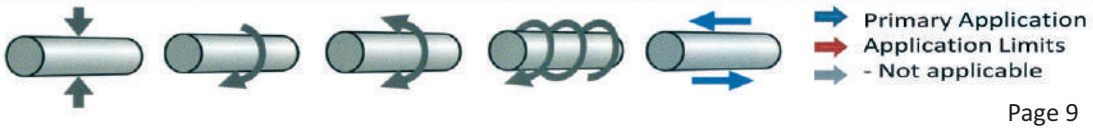
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	

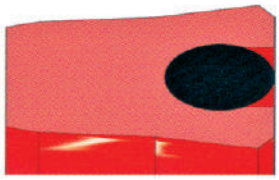


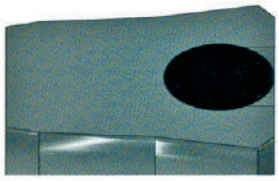


SWS205

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	

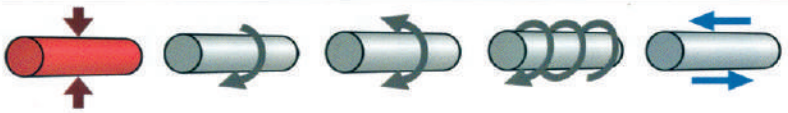




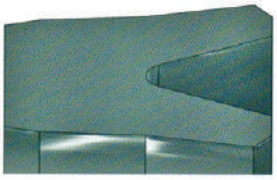


min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	NBR70°/FPM75°
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	NBR70°/FPM75°
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	NBR70°/FPM75°
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	NBR70°/FPM75°
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-30°C	110°C	max.0,5m/s	max.250bar	NBR 85°	NBR70°/FPM75°
-20°C	150°C	max.0,5m/s	max.250bar	H-NBR 85°	NBR70°/FPM75°
-20°C	220°C	max.0,5m/s	max.250bar	FPM 82°	NBR70°/FPM75°
-45°C	130°C	max.0,5m/s	max.250bar	EPDM 85°	NBR70°/FPM75°
-60°C	200°C	max.0,4m/s	max.250bar	MVQ 85°	NBR70°/FPM75°

SWS107

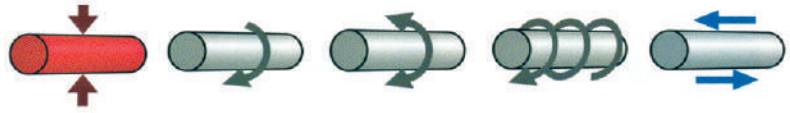


Primary Application
Application Limits
- Not applicable

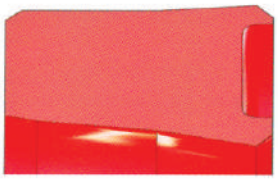


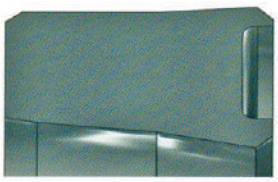
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	

SWS106



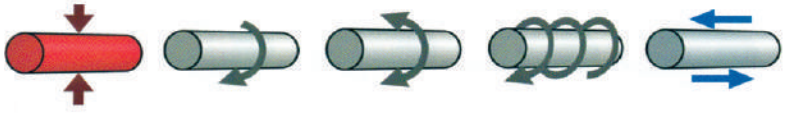
Primary Application
Application Limits
- Not applicable



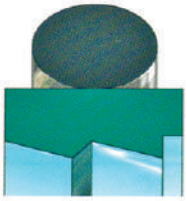


min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	-
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-30°C	110°C	max.0,5m/s	max.250bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.250bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.250bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.250bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.250bar	MVQ 85°	

SWS108

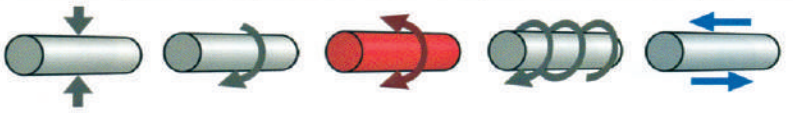


Primary Application
Application Limits
- Not applicable

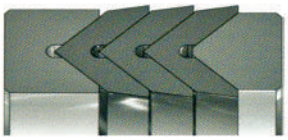


min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	NBR70° /FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	NBR70°/FPM75°
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05turqu	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE D05glass	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	NBR70°/FPM75°

SWS109

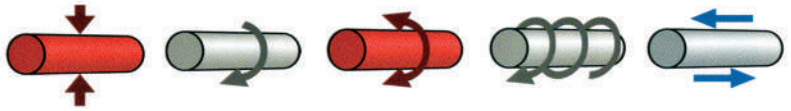


Primary Application
Application Limits
- Not applicable

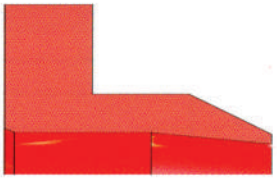


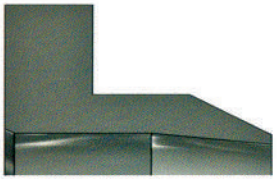
min.Temp	max.Temp	max. Speed	max. Pressure	Material	/ Backring
-20°C	115°C	max.0.4m/s	max.500bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.4m/s	max.500bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.500bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.4m/s	max.500bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	**/ Backring**
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	POM/PTFE/PEEK

SWS110-112



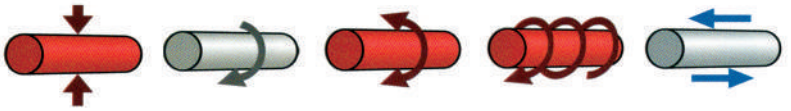
Primary Application
Application Limits
- Not applicable



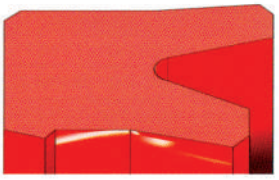


min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	max.160bar	HPU 94°	
-20°C	115°C	max.0.5m/s	max.160bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.160bar	SL-PU 94°	
-50°C	110°C	max.0.5m/s	max.160bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	max.120bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.120bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.120bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.120bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	

SWS116

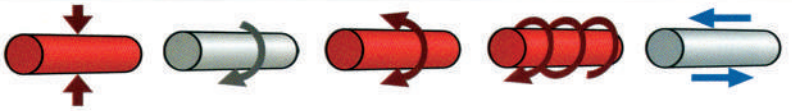


Primary Application
Application Limits
- Not applicable

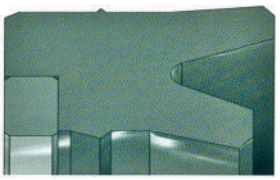


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	max.250bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.250bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.250bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.250bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.250bar	MVQ 85°	

SWS117

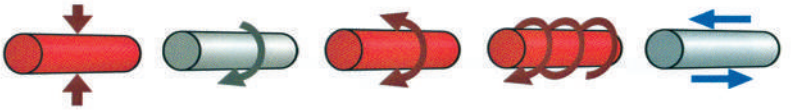


Primary Application
Application Limits
- Not applicable

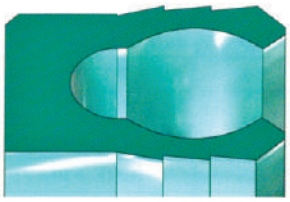


min.Temp	max.Temp	max. Speed	max. Pressure	Material	/ Backring
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	**/ Backring**
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	POM/PTFE/PEEK

SWS17-R

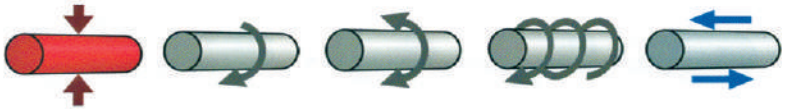


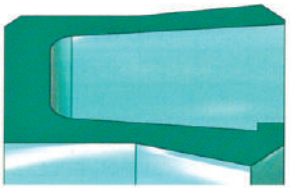
Primary Application
Application Limits
- Not applicable



min Temp	max Temp	max. Speed	max. Pressure	Material / Spring	
-200°C	260°C	max.15m/s	max.100bar	PTFE pure	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 1glass	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 2 bronze	1.4310
-200°C	260°C	max.15m/s	max.100bar	PTFE carbone	1.4310
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Spring**	
-200°C	260°C	max.15m/s	max.100bar	PTFE D05 turq	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE D05 glass	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE graphite	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE ekonol	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 25%glass	1.4310

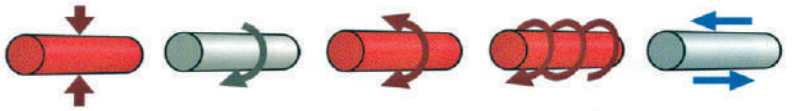
SWS118

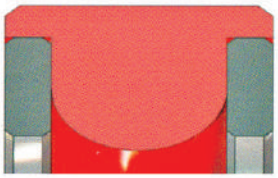


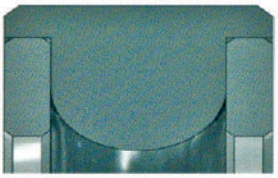


min Temp	max Temp	max. Speed	max. Pressure	Material / Spring	
-200°C	260°C	max.15m/s	max.100bar	PTFE pure	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 1glass	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 2 bronze	1.4310
-200°C	260°C	max.15m/s	max.100bar	PTFE carbone	1.4310
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Spring**	
-200°C	260°C	max.15m/s	max.100bar	PTFE D05 turq	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE D05 glass	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE graphite	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE ekonol	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 25%glass	1.4310

SWS119

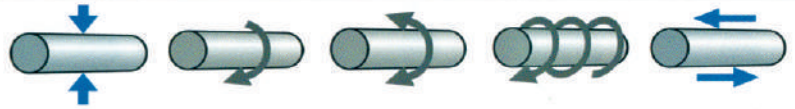


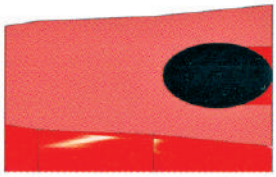


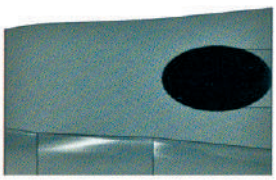


min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.4m/s	max.500bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.4m/s	max.500bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.500bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.4m/s	max.500bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	POM/PTFE/PEEK

SWS120

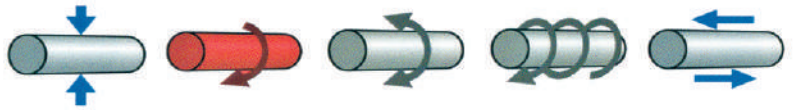


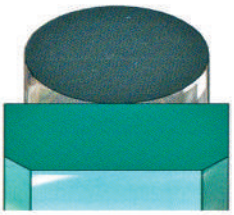




min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	NBR70°,FPM75°
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	NBR70°,FPM75°
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	NBR70°,FPM75°
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	NBR70°,FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	NBR70°,FPM75°
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	NBR70°,FPM75°
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	NBR70°,FPM75°
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	NBR70°,FPM75°
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	NBR70°,FPM75°

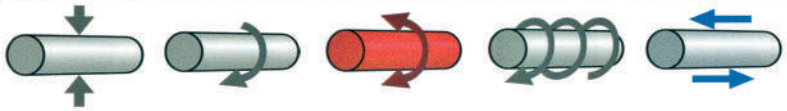
SWS121





min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	NBR70° /FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	NBR70°/FPM75°
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.10m/s	max.400bar	PTFED05turqu	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE D05glass	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	NBR70°/FPM75°

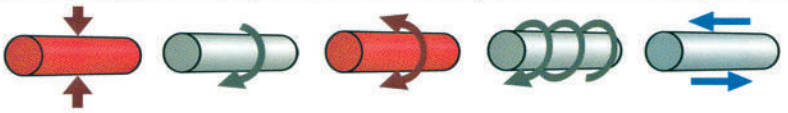
SWS124



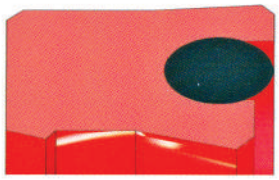
Primary Application
Application Limits
- Not applicable

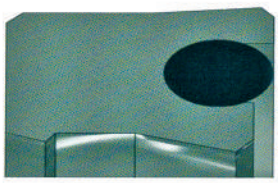
min Temp	max Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	max.400bar	PTFED05turqu	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05glass	
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	

SWS126-128



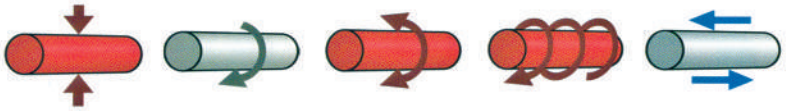
Primary Application
Application Limits
- Not applicable



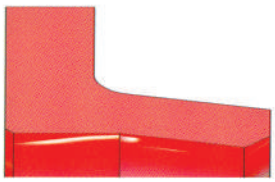


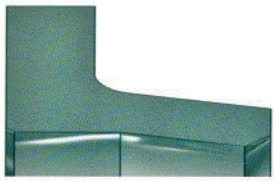
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	NBR70°,FPM75°
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	NBR70°,FPM75°
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	NBR70°,FPM75°
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	NBR70°,FPM75°
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	NBR70°,FPM75°
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	NBR70°,FPM75°
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	NBR70°,FPM75°
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	NBR70°,FPM75°
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	NBR70°,FPM75°

SWS125



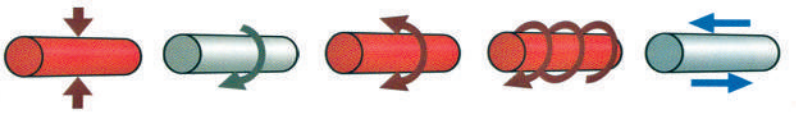
Primary Application
Application Limits
- Not applicable



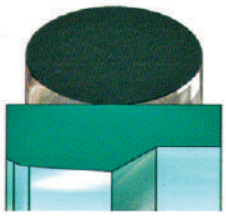


min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.160bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.160bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.160bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.160bar	LT-PU 94°	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-30°C	110°C	max.0,4m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,4m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,4m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,4m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	

SWS216

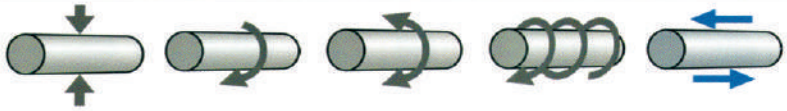


Primary Application
Application Limits
- Not applicable

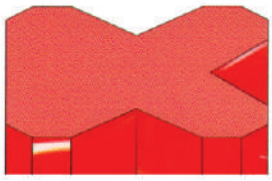


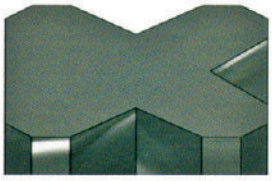
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-20°C	115°C	max.0.4m/s	max.500bar	HPU 94°	NBR70°,FPM75°
-20°C	115°C	max.0.4m/s	max.500bar	HPU 55°D	NBR70°,FPM75°
-20°C	110°C	max.0.5m/s	max.500bar	SL-PU 94°	NBR70°,FPM75°
-50°C	110°C	max.0.4m/s	max.500bar	LT-PU 94°	NBR70°,FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	NBR70°,FPM75°
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	NBR70°,FPM75°
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	NBR70°,FPM75°
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	NBR70°,FPM75°
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	NBR70°,FPM75°

SWS129



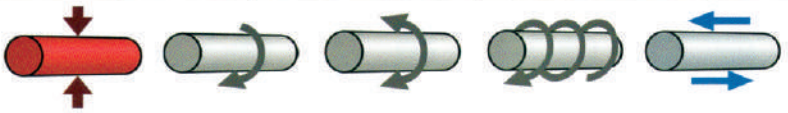
Primary Application
Application Limits
- Not applicable



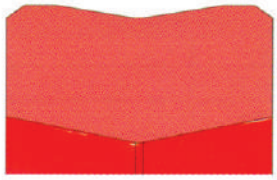


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.000m/s	max.000bar	HPU 94°	
-20°C	115°C	max.000m/s	max.000bar	HPU 55°D	
-20°C	110°C	max.000m/s	max.000bar	SL-PU 94°	
-50°C	110°C	max.000m/s	max.000bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.000m/s	max.000bar	NBR 85°	
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	

SWS130

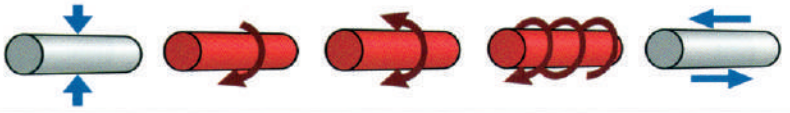


Primary Application
Application Limits
- Not applicable

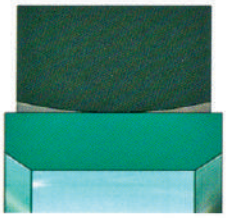


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,4m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,4m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,4m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,4m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	

SWS131

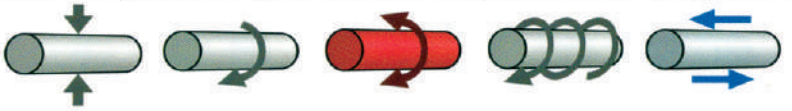


Primary Application
Application Limits
- Not applicable

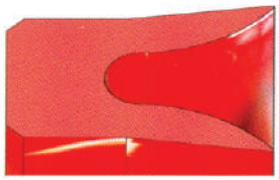


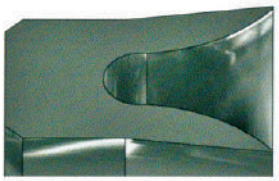
min Temp	max Temp	max. Speed	max. Pressure	Material /	Energizer
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	NBR 85°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	H-NBR 85°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	FPM 82°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	EPDM85°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200°C	260°C	max.10m/s	max.400bar	PTFED05turqu	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05glass	
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	

SWS138



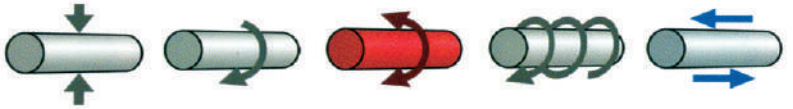
Primary Application
Application Limits
- Not applicable



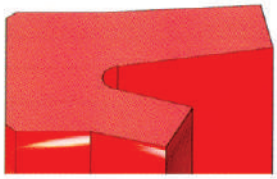


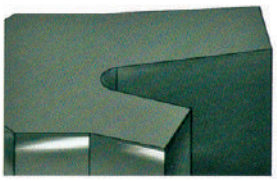
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,4m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,4m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,4m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,4m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	

SWS139



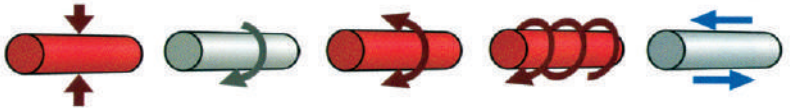
Primary Application
Application Limits
- Not applicable



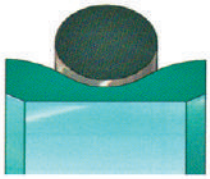


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	-
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	-
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	-
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	-
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,4m/s	max.160bar	NBR 85°	-
-20°C	150°C	max.0,4m/s	max.160bar	H-NBR 85°	-
-20°C	220°C	max.0,4m/s	max.160bar	FPM 82°	-
-45°C	130°C	max.0,4m/s	max.160bar	EPDM 85°	-
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	-

SWS141

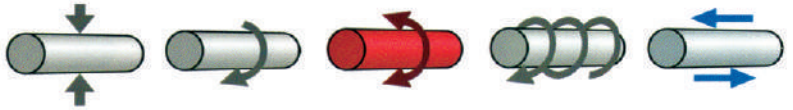


Primary Application
Application Limits
- Not applicable

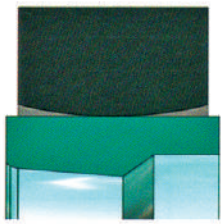


min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-200°C	260°C	max.10m/s	max.400bar	PTFED05turqu	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE D05glass	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	NBR70°/FPM75°

SWS142

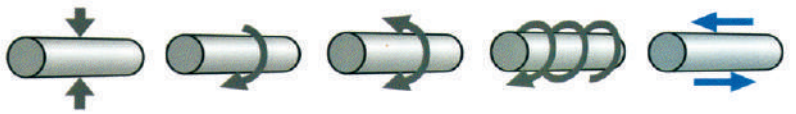


Primary Application
Application Limits
- Not applicable

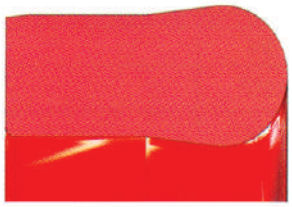


min Temp	max Temp	max. Speed	max. Pressure	Material / Energizer	
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	NBR 85°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	H-NBR 85°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	FPM 82°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	EPDM85°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05 turq	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05 glass	
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	

SWS238

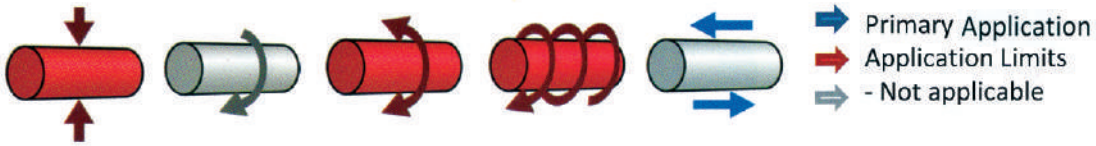


Primary Application
Application Limits
- Not applicable

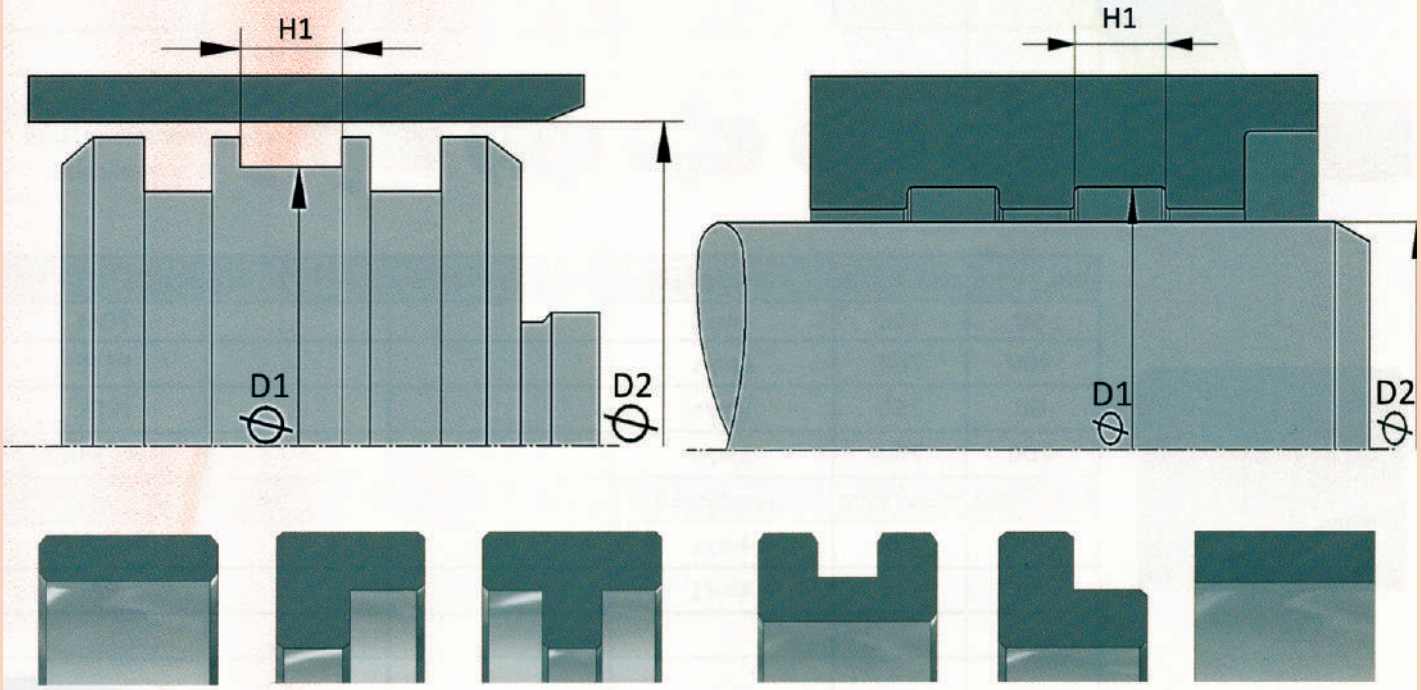


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,4m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,4m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,4m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,4m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	

SWS199



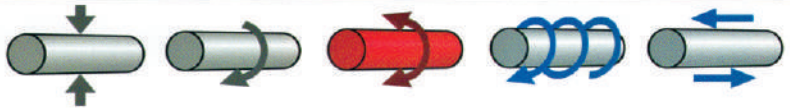
GUIDE RINGS



The function of guide rings is to guide precisely the piston rod and piston in the cylinder liner.
This makes guide rings into very important elements of the complete system.
The lifetime of the rod and piston seal would be seriously impaired without this guidance.

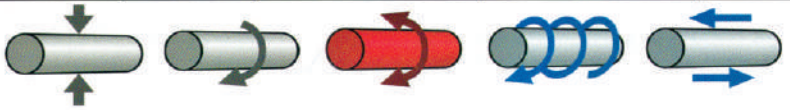
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100	4m/s			POM
-200	260	4m/s			PTFE
-60	250	5m/s			PEEK
-200	260	5m/s			PTFE filled
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200	80	4m/s			UHMW-PE
-40	110	4m/s			PA

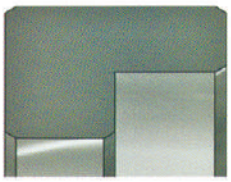
SWF102



min Temp	max Temp	max. Speed	max. Pressure	Material	
-50	100	4m/s			POM
-200	260	4m/s			PTFE
-60	250	5m/s			PEEK
-200	260	5m/s			PTFE filled
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200	80	4m/s			UHMW-PE
-40	110	4m/s			PA

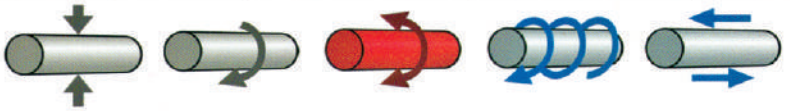
SWF101

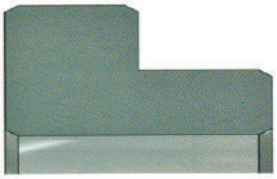




min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100	4m/s			POM
-200	260	4m/s			PTFE
-60	250	5m/s			PEEK
-200	260	5m/s			PTFE filled
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200	80	4m/s			UHMW-PE
-40	110	4m/s			PA

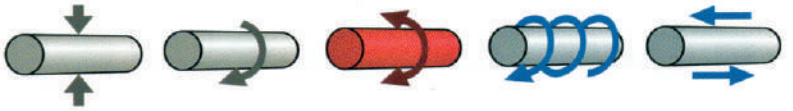
SWF103

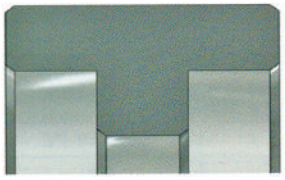




min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100	4m/s			POM
-200	260	4m/s			PTFE
-60	250	5m/s			PEEK
-200	260	5m/s			PTFE filled
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200	80	4m/s			UHMW-PE
-40	110	4m/s			PA

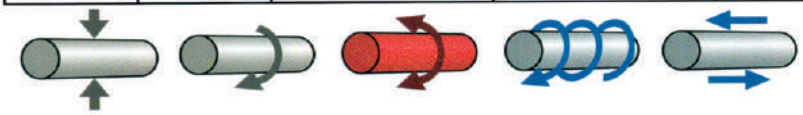
SWF104



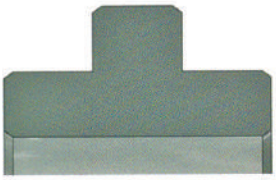


min Temp	max Temp	max. Speed	max. Pressure	Material	
-50	100	4m/s			POM
-200	260	4m/s			PTFE
-60	250	5m/s			PEEK
-200	260	5m/s			PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80	4m/s			UHMW-PE
-40	110	4m/s			PA

SWF105

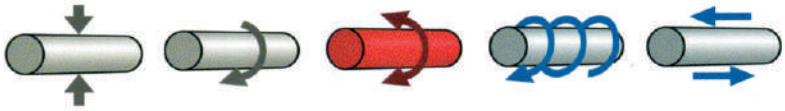


Primary Application
Application Limits
- Not applicable

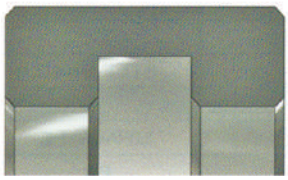


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100	4m/s			POM
-200	260	4m/s			PTFE
-60	250	5m/s			PEEK
-200	260	5m/s			PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80	4m/s			UHMW-PE
-40	110	4m/s			PA

SWF106

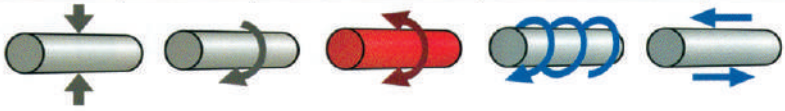


Primary Application
Application Limits
- Not applicable

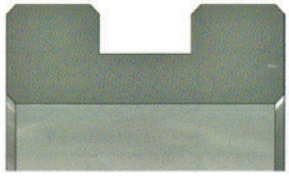


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100	4m/s			POM
-200	260	4m/s			PTFE
-60	250	5m/s			PEEK
-200	260	5m/s			PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80	4m/s			UHMW-PE
-40	110	4m/s			PA

SWF107

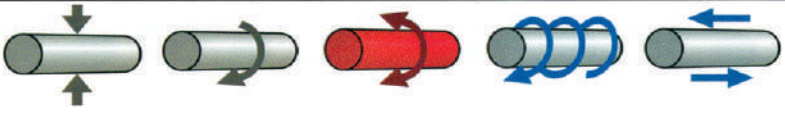


Primary Application
Application Limits
- Not applicable



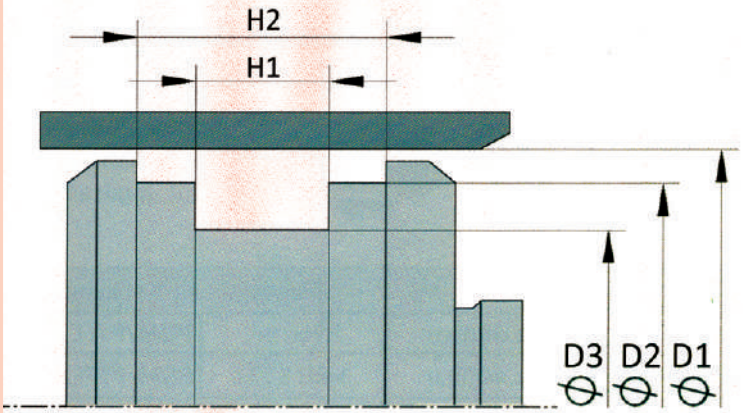
min Temp	max Temp	max. Speed	max. Pressure	Material	
-50	100	4m/s			POM
-200	260	4m/s			PTFE
-60	250	5m/s			PEEK
-200	260	5m/s			PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80	4m/s			UHMW-PE
-40	110	4m/s			PA

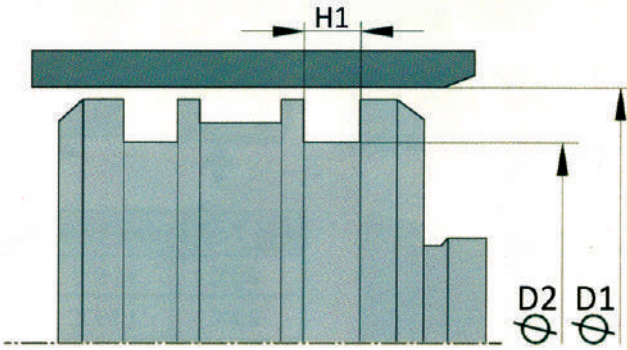
SWF108

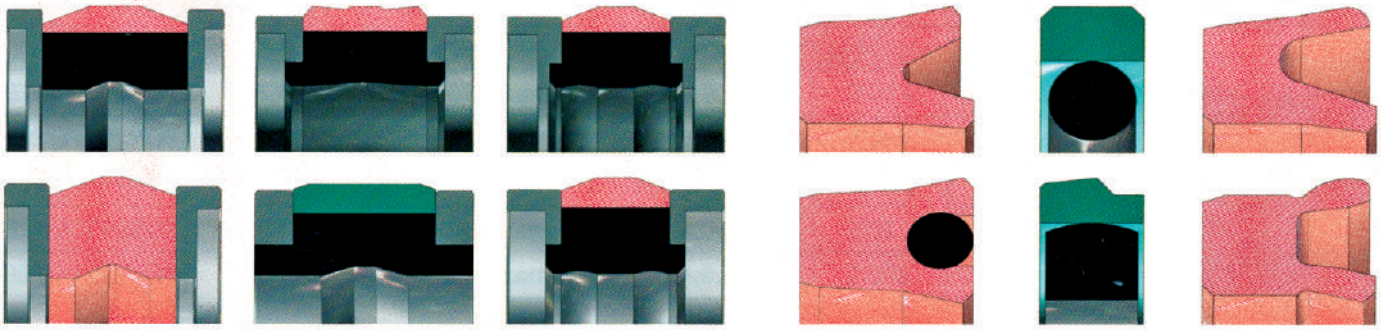


Primary Application
Application Limits
- Not applicable

PISTON SEALS



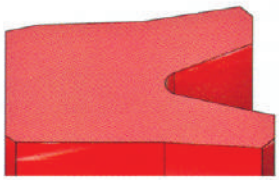




The piston seal is responsible for a system's mechanical function. The use of piston seals in cylinders facilitates leak tightness during every stroke and traction movement.
Regardless of whether it is single or double acting, the piston seal is the "workhorse" of all seals.
Due to continuously increasing requirements in the area of hydraulics and pneumatics the diversity of shapes and sizes is immense in this area.
Only in the mechanical seal sector the combination of geometry and the highly developed materials continuously make new options possible.

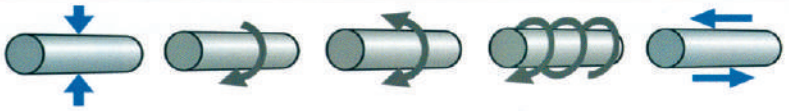
The following factors are important for the selection of this seal:

- Single or double action sealing system
- Space requirement
- Pressure load and/or gap width
- Sliding speed
- General system type
  (press, construction machinery, industrial cylinder etc.)
- Open or closed installation space
- Temperature and/or medium
  (important for selection of material)

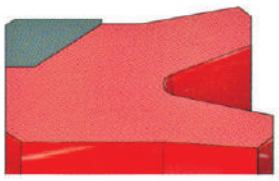


SWK101

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	

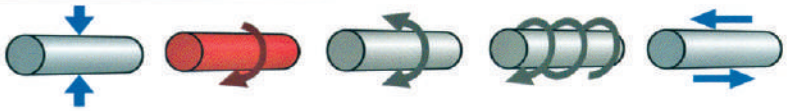


Primary Application
Application Limits
- Not applicable

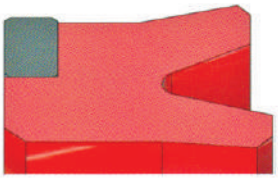


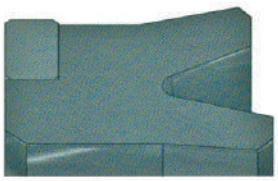
SWK102

min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.0,5m/s	max.250bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.250bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.250bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.250bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,4m/s	max.250bar	MVQ 85°	POM/PTFE/PEEK



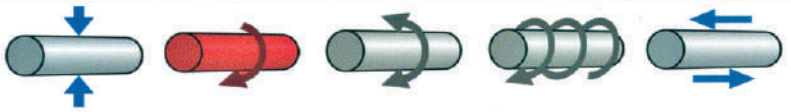
Primary Application
Application Limits
- Not applicable



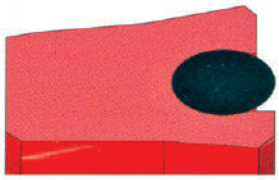


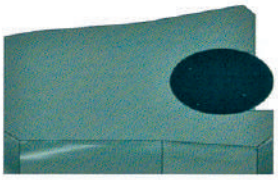
SWK102-R

min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.0,5m/s	max.250bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.250bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.250bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.250bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,4m/s	max.250bar	MVQ 85°	POM/PTFE/PEEK



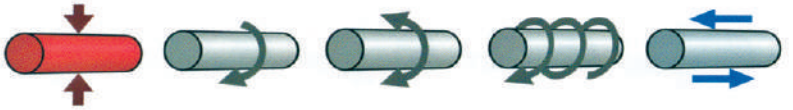
Primary Application
Application Limits
- Not applicable



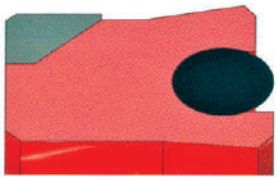


SWK103

min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	NBR70°/FPM75°
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	NBR70°/FPM75°
-20°C	110°C	max.0.7m/s	max.400bar	SL-PU 94°	NBR70°/FPM75°
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	NBR70°/FPM75°
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	NBR70°/FPM75°
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	NBR70°/FPM75°
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	NBR70°/FPM75°
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	NBR70°/FPM75°

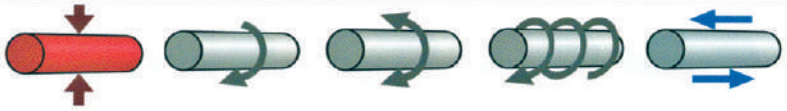


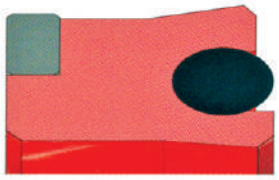
Primary Application
Application Limits
- Not applicable

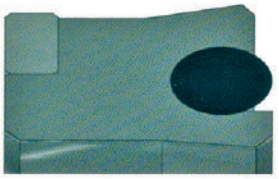


SWK104

min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.500bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.500bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.500bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.500bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.200bar	NBR 85°	NBR70°/FPM75°
-20°C	150°C	max.0,5m/s	max.200bar	H-NBR 85°	NBR70°/FPM75°
-20°C	220°C	max.0,5m/s	max.200bar	FPM 82°	NBR70°/FPM75°
-45°C	130°C	max.0,5m/s	max.200bar	EPDM 85°	NBR70°/FPM75°
-60°C	200°C	max.0,4m/s	max.200bar	MVQ 85°	NBR70°/FPM75°

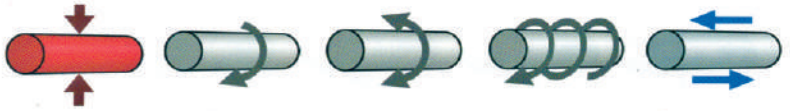


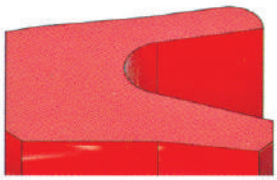




SWK104-R

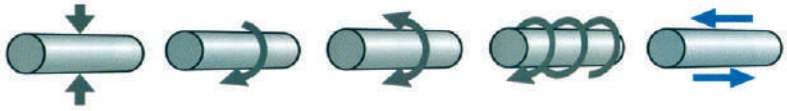
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.500bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.500bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.500bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.500bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.200bar	NBR 85°	NBR70°/FPM75°
-20°C	150°C	max.0,5m/s	max.200bar	H-NBR 85°	NBR70°/FPM75°
-20°C	220°C	max.0,5m/s	max.200bar	FPM 82°	NBR70°/FPM75°
-45°C	130°C	max.0,5m/s	max.200bar	EPDM 85°	NBR70°/FPM75°
-60°C	200°C	max.0,4m/s	max.200bar	MVQ 85°	NBR70°/FPM75°

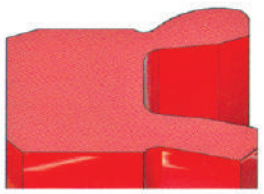




SWK105

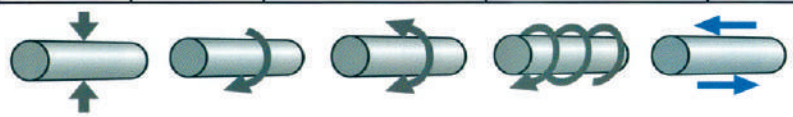
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.1m/s	max.25bar	HPU 94°	
-20°C	115°C	max.0.1m/s	max.25bar	HPU 55°D	
-20°C	110°C	max.0.2m/s	max.25bar	SL-PU 94°	
-50°C	110°C	max.0.1m/s	max.25bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.1m/s	max.25bar	NBR 85°	
-20°C	150°C	max.1m/s	max.25bar	H-NBR 85°	
-20°C	220°C	max.1m/s	Max.25bar	FPM 82°	
-45°C	130°C	max.1m/s	max.25bar	EPDM 85°	
-60°C	200°C	max.0,5m/s	max.25bar	MVQ 85°	

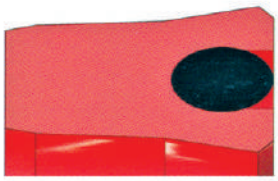


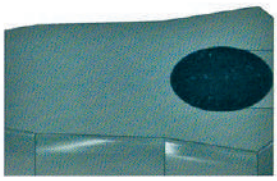


SWK205

min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.1m/s	max.25bar	HPU 94°	
-20°C	115°C	max.1m/s	max.25bar	HPU 55°D	
-20°C	110°C	max.1m/s	max.25bar	SL-PU 94°	
-50°C	110°C	max.1m/s	max.25bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.1m/s	max.25bar	NBR 85°	
-20°C	150°C	Max.1m/s	max.25bar	H-NBR 85°	
-20°C	220°C	max.1m/s	max.25bar	FPM 82°	
-45°C	130°C	max.1m/s	max.25bar	EPDM 85°	
-60°C	200°C	max.0,5m/s	max.25bar	MVQ 85°	

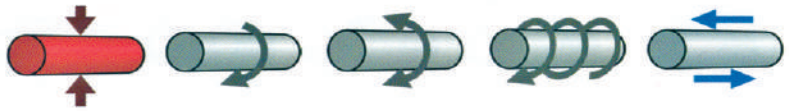






SWK107

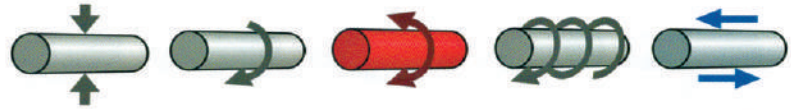
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	NBR70°/FPM75°
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	NBR70°/FPM75°
-20°C	110°C	max.0.7m/s	max.400bar	SL-PU 94°	NBR70°/FPM75°
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	NBR70°/FPM75°
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	NBR70°/FPM75°
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	NBR70°/FPM75°
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	NBR70°/FPM75°
-60°C	200°C	max.0,2m/s	max.120bar	MVQ 85°	NBR70°/FPM75°



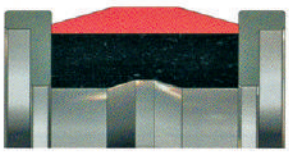
Primary Application
Application Limits
- Not applicable

SWK108

min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	NBR70° /FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05turqu	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE D05glass	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	NBR70°/FPM75°

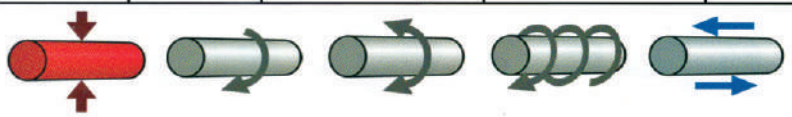


Primary Application
Application Limits
- Not applicable



SWK109

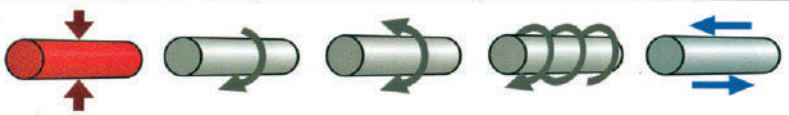
min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Energizer**	
-30°C	110°C	max.000m/s	max.000bar	NBR 85°	-
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	-
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	-
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	-
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	-



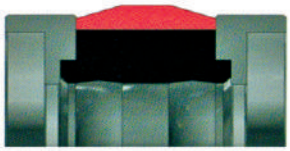
Primary Application
Application Limits
- Not applicable

SWK109D

min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Energizer**	
-30°C	110°C	max.000m/s	max.000bar	NBR 85°	-
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	-
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	-
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	-
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	-

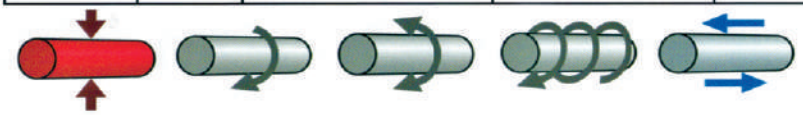


Primary Application
Application Limits
- Not applicable

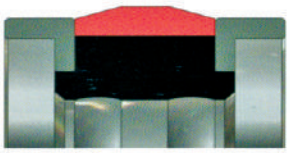


min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.700bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.700bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.700bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.700bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Energizer**	
-30°C	110°C	max.000m/s	max.000bar	NBR 85°	-
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	-
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	-
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	-
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	-

SWK109H

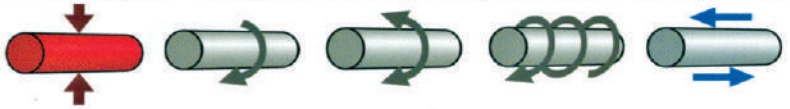


Primary Application
Application Limits
- Not applicable

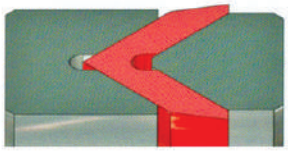


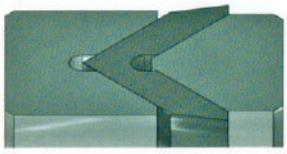
min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Energizer**	
-30°C	110°C	max.000m/s	max.000bar	NBR 85°	-
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	-
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	-
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	-
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	-

SWK109N



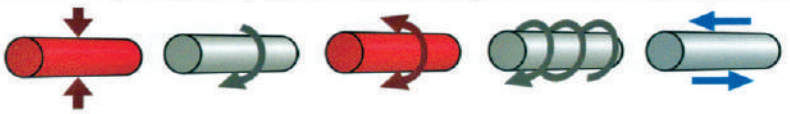
Primary Application
Application Limits
- Not applicable



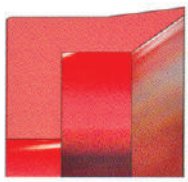


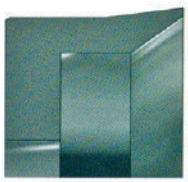
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.500bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.500bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.500bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.500bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.0,4m/s	max.160bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,4m/s	max.160bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,4m/s	max.160bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,4m/s	max.160bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	POM/PTFE/PEEK

SWK110/112



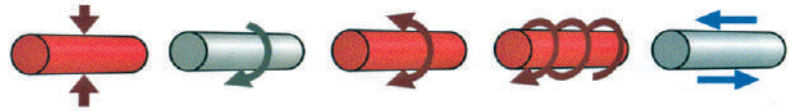
Primary Application
Application Limits
- Not applicable





min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.160bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.160bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.160bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.160bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,4m/s	max.120bar	NBR 85°	
-20°C	150°C	max.0,4m/s	max.120bar	H-NBR 85°	
-20°C	220°C	max.0,4m/s	max.120bar	FPM 82°	
-45°C	130°C	max.0,4m/s	max.120bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	

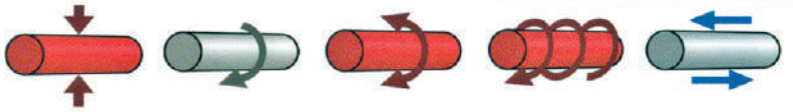
SWK116



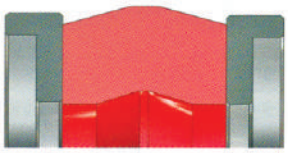
Primary Application
Application Limits
- Not applicable

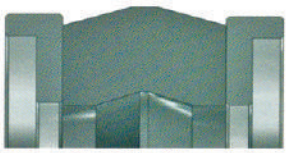
min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.160bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.160bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.160bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.160bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,4m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,4m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,4m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,4m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	Application

SWK216



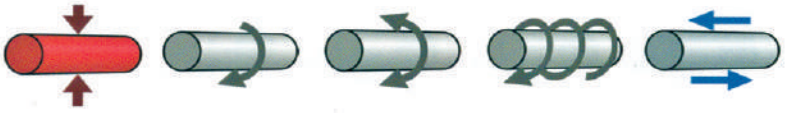
Primary Application
Application Limits
- Not applicable



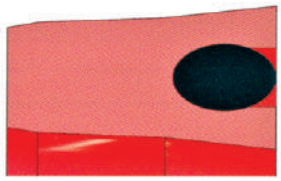


min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.250bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.250bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.250bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.250bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.0,5m/s	max.200bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.200bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.200bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.200bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,5m/s	max.200bar	MVQ 85°	POM/PTFE/PEEK

SWK117

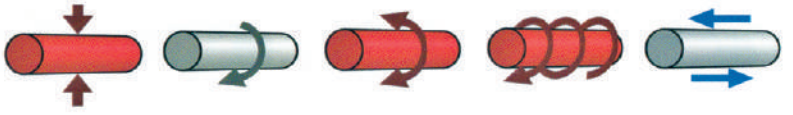


Primary Application
Application Limits
- Not applicable

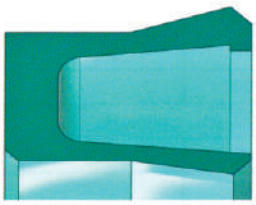


min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	NBR70°,FPM75°
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	NBR70°,FPM75°
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	NBR70°,FPM75°
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	NBR70°,FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	NBR70°,FPM75°
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	NBR70°,FPM75°
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	NBR70°,FPM75°
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	NBR70°,FPM75°
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	NBR70°,FPM75°

SWK118

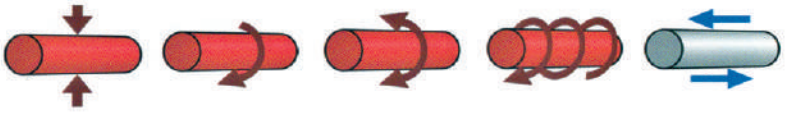


Primary Application
Application Limits
- Not applicable



min Temp	max Temp	max. Speed	max. Pressure	Material / Spring	
-200°C	260°C	max.15m/s	max.100bar	PTFE pure	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 1glass	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 2 bronze	1.4310
-200°C	260°C	max.15m/s	max.100bar	PTFE carbone	1.4310
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Spring**	
-200°C	260°C	max.15m/s	max.100bar	PTFE D05 turq	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE D05 glass	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE graphite	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE ekonol	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 25%glass	1.4310

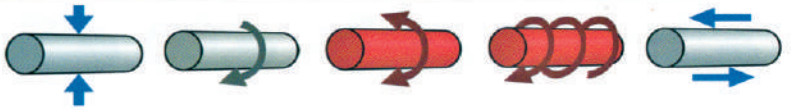
SWK119



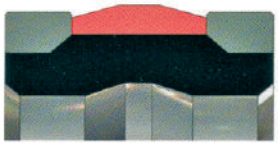
Primary Application
Application Limits
- Not applicable

min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	POM/PTFE/PEEK

SWK120

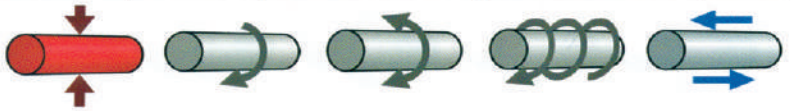


Primary Application
Application Limits
- Not applicable



min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Energizer	
-30°C	110°C	max.000m/s	max.000bar	NBR 85°	-
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	-
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	-
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	-
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	-

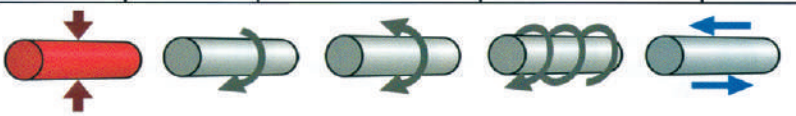
SWK122



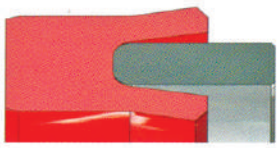
Primary Application
Application Limits
- Not applicable

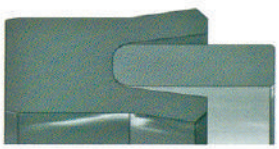
min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-200°C	260°C	max.1,5m/s	max.400bar	PTFE pure	POM/PTFE/PEEK
-200°C	260°C	max.1,5m/s	max.450bar	PTFE 1glass	POM/PTFE/PEEK
-200°C	260°C	max.1,5m/s	max.450bar	PTFE 2 bronze	POM/PTFE/PEEK
-200°C	260°C	max.1,5m/s	max.450bar	PTFE carbone	POM/PTFE/PEEK
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Energizer	
-200°C	260°C	max.000m/s	max.000bar	NBR 85°	-
-200°C	260°C	max.000m/s	max.000bar	H-NBR 85°	-
-200°C	260°C	max.000m/s	max.000bar	FPM 82°	-
-200°C	260°C	max.000m/s	max.000bar	EPDM 85°	-
-200°C	260°C	max.000m/s	max.000bar	MVQ 85°	-

SWK222



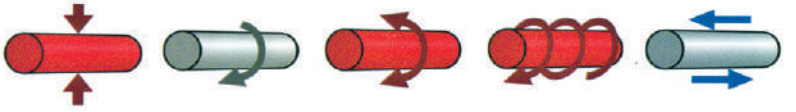
Primary Application
Application Limits
- Not applicable





min.Temp	max.Temp	max. Speed	max. Pressure	Material / Retainerring	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.7m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Retainerring	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	POM/PTFE/PEEK

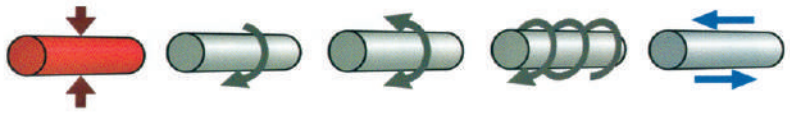
SWK123

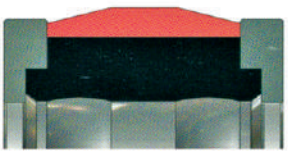


Primary Application
Application Limits
- Not applicable

min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Energizer**	
-30°C	110°C	max.000m/s	max.00bar	NBR 85°	
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	

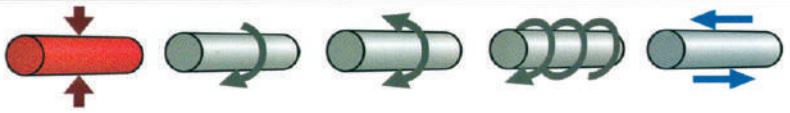
SWK123D

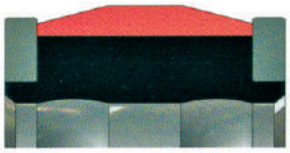




min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Energizer**	
-30°C	110°C	max.000m/s	max.000bar	NBR 85°	
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	

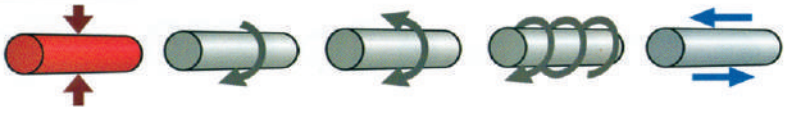
SWK123H

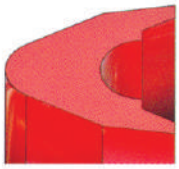




min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Enrgizer**	
-30°C	110°C	max.000m/s	max.000bar	NBR 85°	
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	

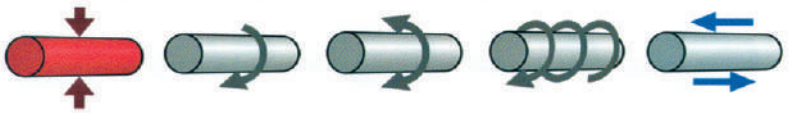
SWK123N

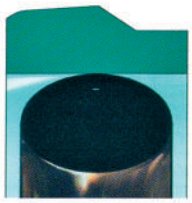




min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.7m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	max.260bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.260bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.260bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.260bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.220bar	MVQ 85°	

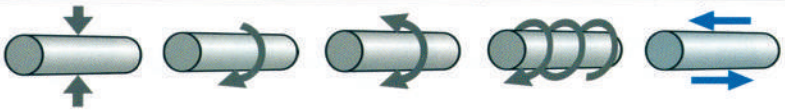
SWK124



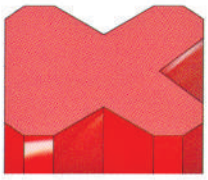


min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	NBR70° /FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	NBR70°/FPM75°
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.10m/s	max.400bar	PTFED05turqu	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE D05glass	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	NBR70°/FPM75°

SWK125

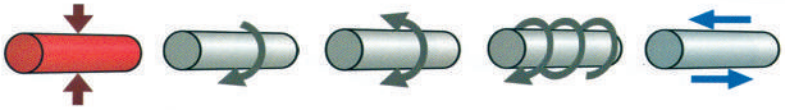


Primary Application
Application Limits
- Not applicable

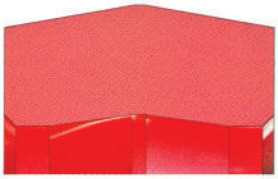


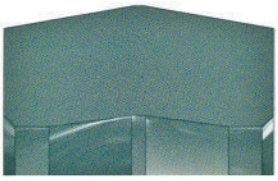
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.000m/s	max.000bar	HPU 94°	
-20°C	115°C	max.000m/s	max.000bar	HPU 55°D	
-20°C	110°C	max.000m/s	max.000bar	SL-PU 94°	
-50°C	110°C	max.000m/s	max.000bar	LT-PU 94°	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-30°C	110°C	max.000m/s	max.000bar	NBR 85°	
-20°C	150°C	max.000m/s	max.000bar	H-NBR 85°	
-20°C	220°C	max.000m/s	max.000bar	FPM 82°	
-45°C	130°C	max.000m/s	max.000bar	EPDM 85°	
-60°C	200°C	max.000m/s	max.000bar	MVQ 85°	

SWK126



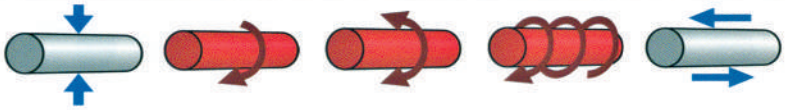
Primary Application
Application Limits
- Not applicable





min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-30°C	110°C	max.0,4m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,4m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,4m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,4m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	

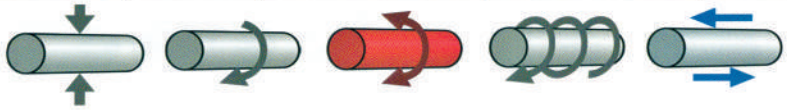
SWK127



Primary Application
Application Limits
- Not applicable

min Temp	max Temp	max. Speed	max. Pressure	Material / Energizer	
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	NBR 85°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	H-NBR 85°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	FPM 82°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	EPDM85°
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05 turq	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05 glass	
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	

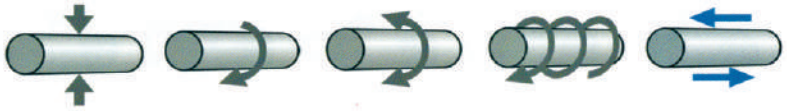
SWK138



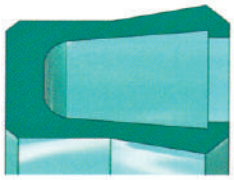
Primary Application
Application Limits
- Not applicable

min Temp	max Temp	max. Speed	max. Pressure	Material / Energizer	
-200°C	260°C	max.10m/s	max.400bar	PTFE pure	NBR 85°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass	H-NBR 85°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze	FPM 82°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone	EPDM85°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05 turq	
-200°C	260°C	max.10m/s	max.400bar	PTFE D05 glass	
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite	
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol	
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass	

SWK238

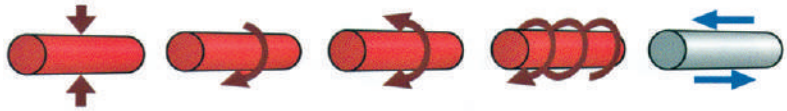


Primary Application
Application Limits
- Not applicable



min Temp	max Temp	max. Speed	max. Pressure	Material / Spring	
-200°C	260°C	max.15m/s	max.100bar	PTFE pure	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 1glass	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 2 bronze	1.4310
-200°C	260°C	max.15m/s	max.100bar	PTFE carbone	1.4310
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Spring**	
-200°C	260°C	max.15m/s	max.100bar	PTFE D05 turq	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE D05 glass	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE graphite	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE ekonol	1.4310
-200°C	260°C	max.15m/s	max.160bar	PTFE 25%glass	1.4310

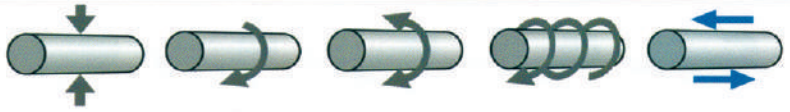
SWK139



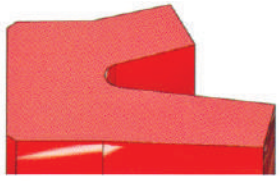
Primary Application
Application Limits
- Not applicable

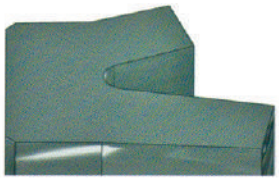
min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring	
-20°C	115°C	max.1m/s	max.400bar	HPU 94°	NBR70°/FPM75°
-20°C	115°C	max.1m/s	max.400bar	HPU 55°D	NBR70°/FPM75°
-20°C	110°C	max.1.4m/s	max.400bar	SL-PU 94°	NBR70°/FPM75°
-50°C	110°C	max.1m/s	max.400bar	LT-PU 94°	NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	

SWK140



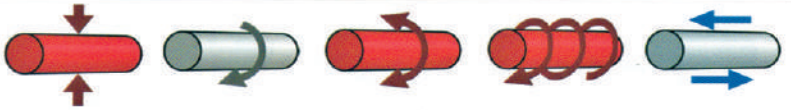
Primary Application
Application Limits
- Not applicable



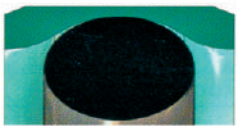


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.5m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.5m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,4m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,4m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,4m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,4m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,3m/s	max.120bar	MVQ 85°	

SWK141

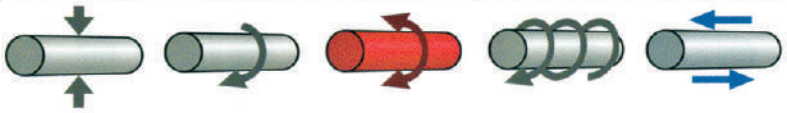


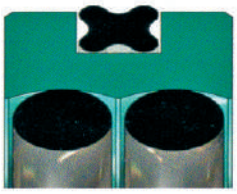
Primary Application
Application Limits
- Not applicable



min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring
-200°C	260°C	max.10m/s	max.400bar	PTFE pure / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass / NBR70° /FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone / NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / O-Ring**
-200°C	260°C	max.10m/s	max.400bar	PTFE D05turqu / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE D05glass / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass / NBR70°/FPM75°

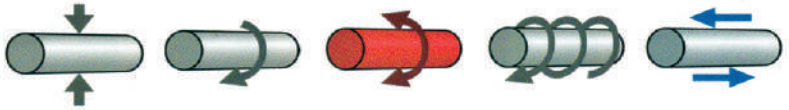
SWK142





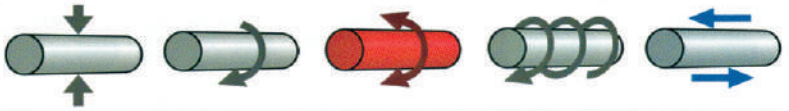
min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring
-200°C	260°C	max.10m/s	max.400bar	PTFE pure / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 1glass / NBR70° /FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 2 bronze / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE carbone / NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / X-Ring**
-200°C	260°C	max.10m/s	max.400bar	PTFE D05turqu / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE D05glass / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE graphite / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE ekonol / NBR70°/FPM75°
-200°C	260°C	max.10m/s	max.400bar	PTFE 25%glass / NBR70°/FPM75°

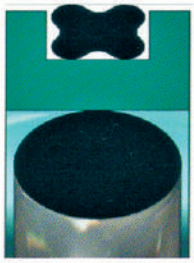
SWK144



min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94° / NBR 85°
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D / H-NBR 85°
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94° / FPM 82°
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94° / EPDM85°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**

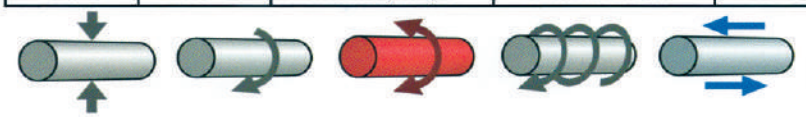
SWK143

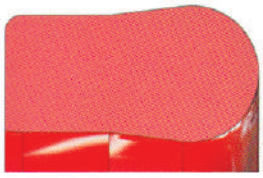




min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94° / NBR70°/FPM75°
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D / NBR70°/FPM75°
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94° / NBR70°/FPM75°
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94° / NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / X-Ring**
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85° / NBR70°/FPM75°
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85° / NBR70°/FPM75°
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82° / NBR70°/FPM75°
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85° / NBR70°/FPM75°
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85° / NBR70°/FPM75°

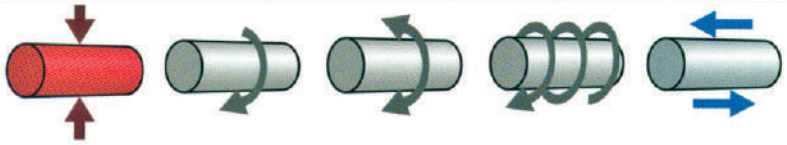
SWK145



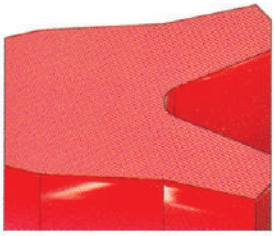


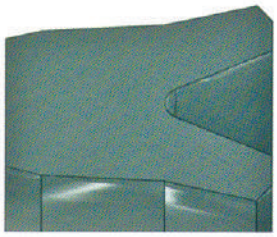
SWK199

min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	



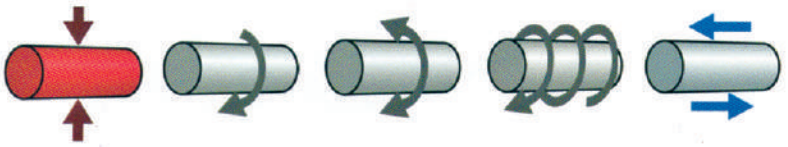
Primary Application
Application Limits
- Not applicable





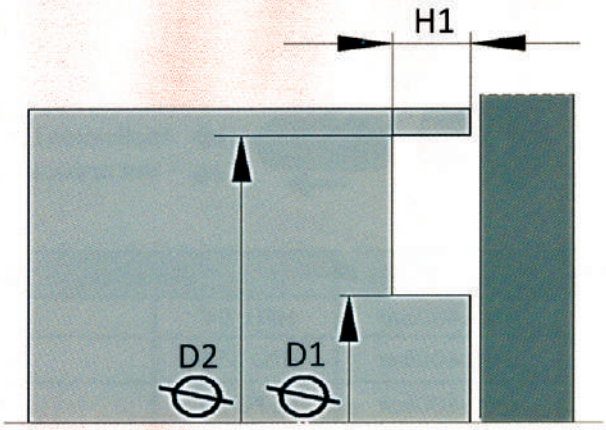
SWK106

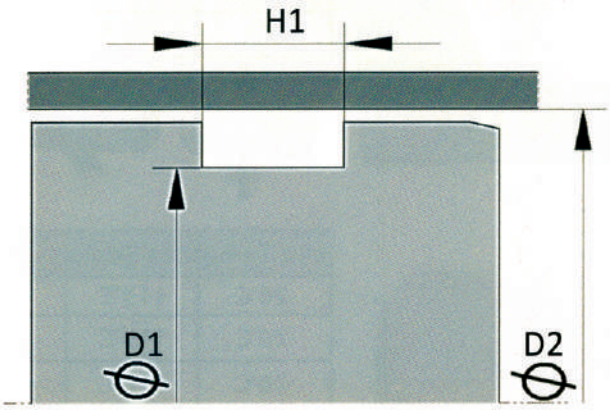
min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 94°	
-20°C	115°C	max.0.4m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.0.5m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.0.4m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,5m/s	max.160bar	NBR 85°	
-20°C	150°C	max.0,5m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.0,5m/s	max.160bar	FPM 82°	
-45°C	130°C	max.0,5m/s	max.160bar	EPDM 85°	
-60°C	200°C	max.0,4m/s	max.120bar	MVQ 85°	

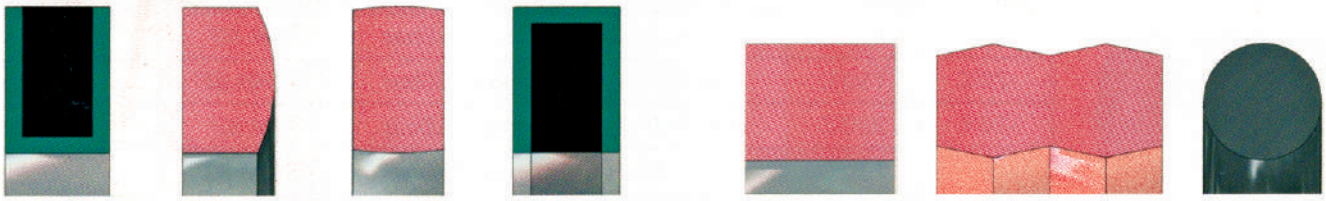


Primary Application
Application Limits
- Not applicable

STATIC SEALS

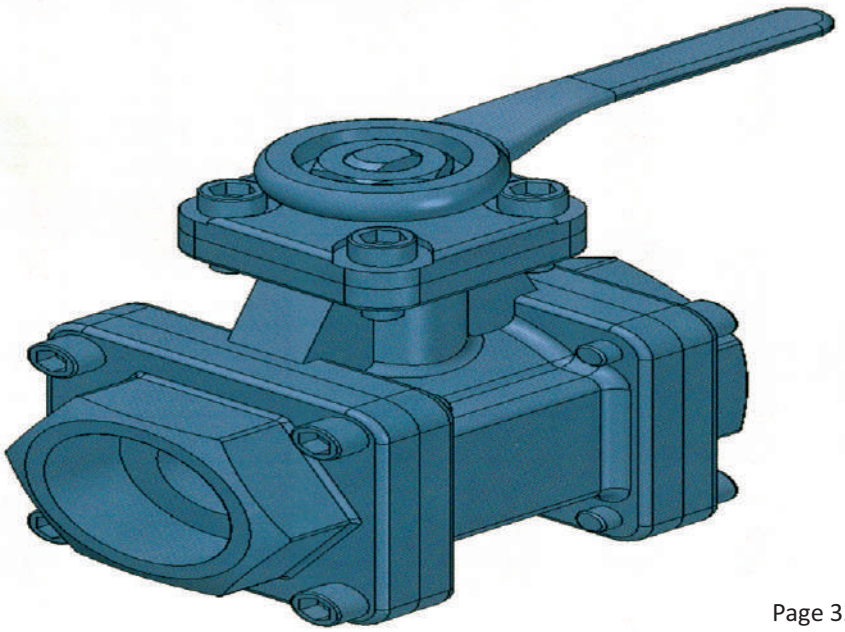


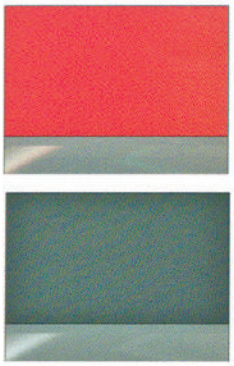




Gaskets are most frequently used as static sealing elements.
The availability of the widest variety of shapes and forms offers the greatest scope to designers in this area.

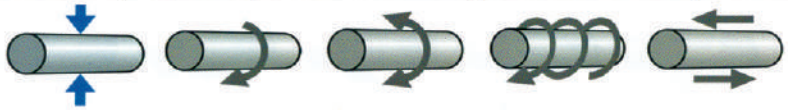
The selection of shape and form in these areas results mainly from the design of the system.





SWFL101

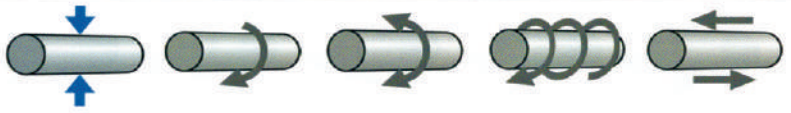
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C			HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	



Primary Application
Application Limits
- Not applicable

SWFL102

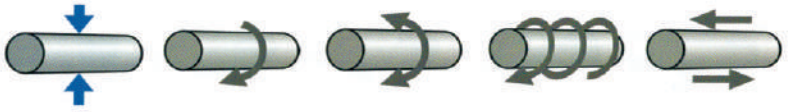
min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C			HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	



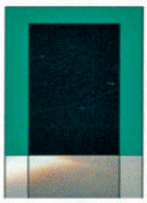
Primary Application
Application Limits
- Not applicable

SWFL103

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C			PTFE pure	
-200°C	260°C			PTFE graphite	
-200°C	260°C			PTFE carbone	
-200°C	260°C			PTFE D05turqu	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Energizer**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	

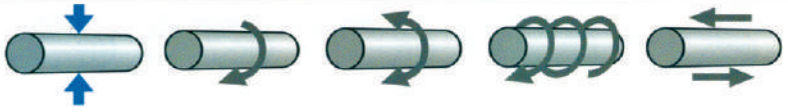


Primary Application
Application Limits
- Not applicable



SWFL104

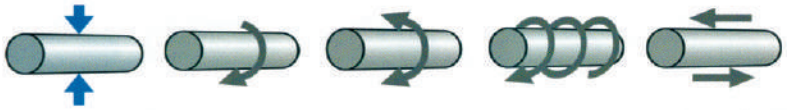
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C			PTFE pure	
-200°C	260°C			PTFE graphite	
-200°C	260°C			PTFE carbone	
-200°C	260°C			PTFE D05turqu	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Energizer**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	



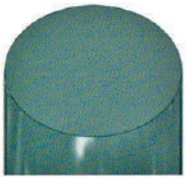
Primary Application
Application Limits
- Not applicable

min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C			HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	

SWFL105

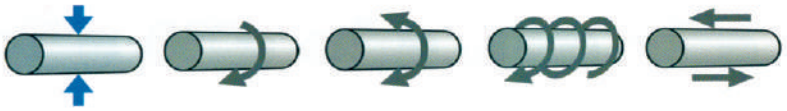


Primary Application
Application Limits
- Not applicable

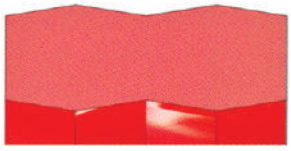


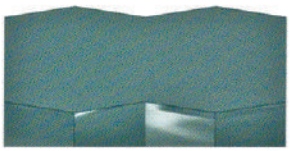
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C			HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	

SWFL106



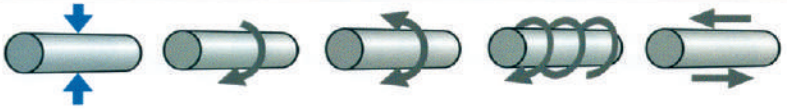
Primary Application
Application Limits
- Not applicable



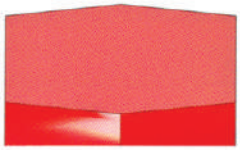


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C			HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	

SWFL108-2

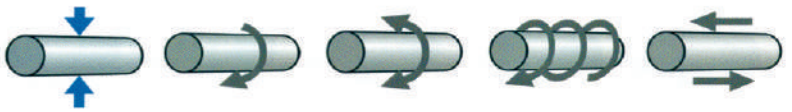


Primary Application
Application Limits
- Not applicable

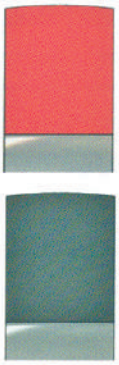


min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C			HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	

SWFL108-1

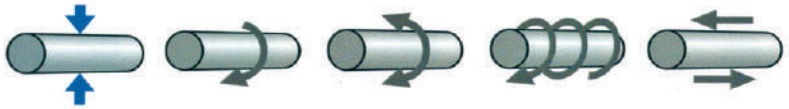


Primary Application
Application Limits
- Not applicable



min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C			HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	

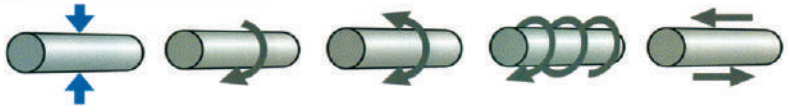
SWFL109



Primary Application
Application Limits
- Not applicable

min Temp	max Temp	max. Speed	max. Pressure	Material	
-200°C	260°C			PTFE pure	
-200°C	260°C			PTFE 1glass	
-200°C	260°C			PTFE 2 bronze	
-200°C	260°C			PTFE carbone	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200°C	260°C			PTFE D05turqu	
-200°C	260°C			PTFE D05glass	
-200°C	260°C			PTFE graphite	
-200°C	260°C			PTFE ekonol	
-200°C	260°C			PTFE 25%glass	

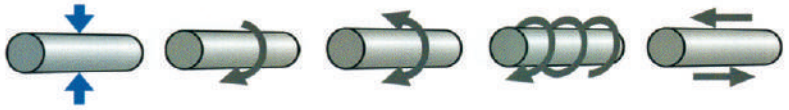
SWFL109-1



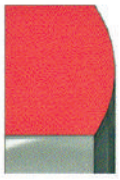
Primary Application
Application Limits
- Not applicable

min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C			HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	

SWFL109-2

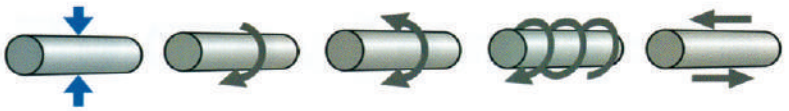


Primary Application
Application Limits
- Not applicable



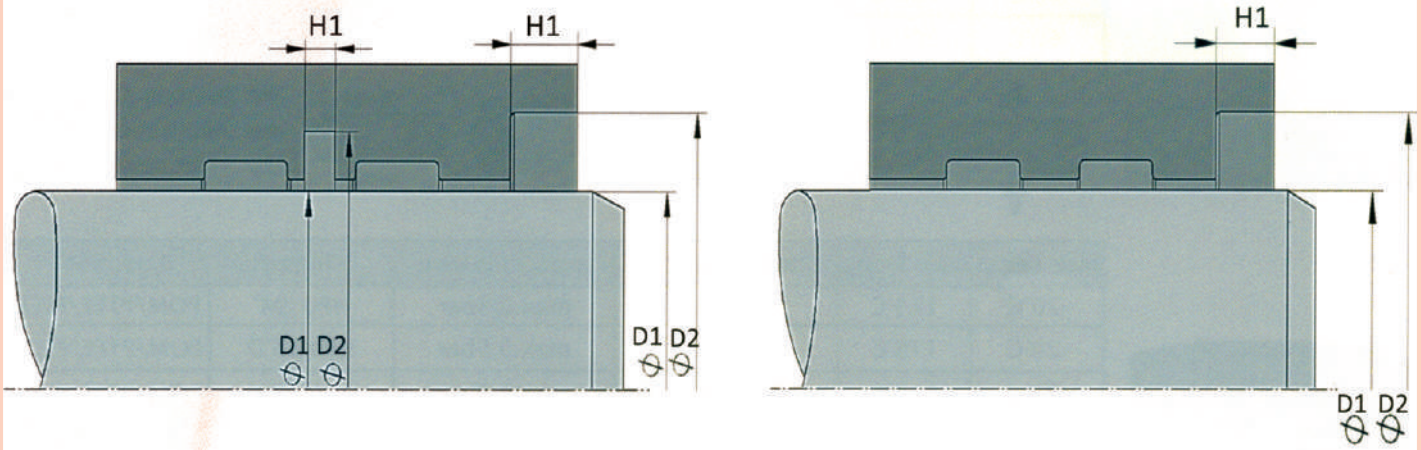
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C			HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C			NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	

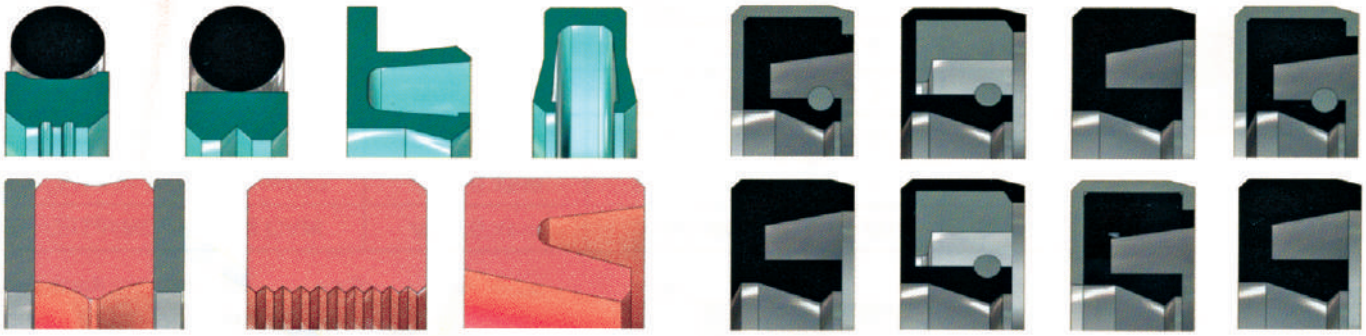
SWFL110



Primary Application
Application Limits
- Not applicable

ROTARY SEALS

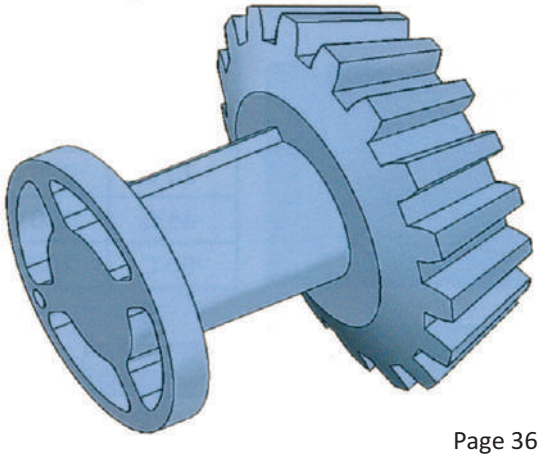


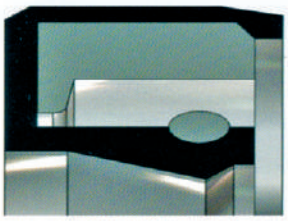


As the name suggests, this type of seal is suitable for sealing rotary (turning) parts.
This is the most complex component in the entire field of sealing technology.
Every manufacturer in the world market is continuously developing new techniques to avoid leakage from rotary shafts.

Attention should be paid to the following in order to make an approximate selection of the seal geometry:

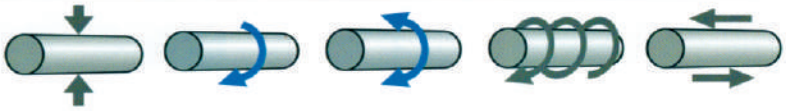
- Dirtiness load in the environment
- Space requirement
- Sliding speed – revolutions converted to m/sec (important for design and material selection)
- Pressure load or pressure-free application
- Choice of material the counter rotation piece (shaft, etc.)
- Temperature and/or medium (important for selection of material)



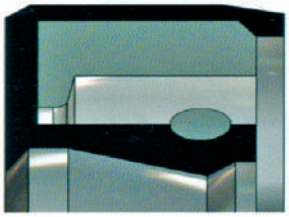


min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.5m/s	max.0,5bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.6m/s	max.0,5bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.5m/s	max.0,5bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.10m/s	max.0,5bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.10m/s	max.0,5bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.10m/s	max.0,5bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	Max.10m/s	max.0,5bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.5m/s	max.0,2bar	MVQ 85°	POM/PTFE/PEEK

SWR101

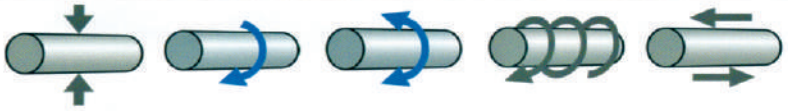


Primary Application
Application Limits
- Not applicable



min Temp	max Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.5m/s	max.0,5bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.6m/s	max.0,5bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.5m/s	max.0,5bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.10m/s	max.0,5bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.10m/s	max.0,5bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.10m/s	max.0,5bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	Max.10m/s	max.0,5bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.5m/s	max.0,2bar	MVQ 85°	POM/PTFE/PEEK

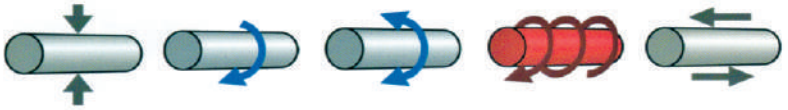
SWR102



Primary Application
Application Limits
- Not applicable

min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.2m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.2m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.3m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.2m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.0,2m/s	max.250bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,2m/s	max.250bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,2m/s	max.250bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,2m/s	max.250bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,1m/s	max.150bar	MVQ 85°	POM/PTFE/PEEK

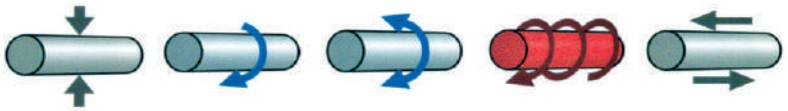
SWR103



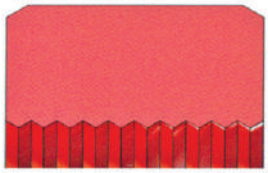
Primary Application
Application Limits
- Not applicable

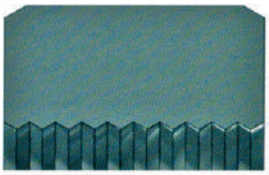
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.2m/s	max.160bar	HPU 94°	
-20°C	115°C	max.0.2m/s	max.160bar	HPU 55°D	
-20°C	110°C	max.0.3m/s	max.160bar	SL-PU 94°	
-50°C	110°C	max.0.2m/s	max.160bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,2m/s	max.100bar	NBR 85°	
-20°C	150°C	max.0,2m/s	max.100bar	H-NBR 85°	
-20°C	220°C	max.0,2m/s	max.100bar	FPM 82°	
-45°C	130°C	max.0,2m/s	max.100bar	EPDM 85°	
-60°C	200°C	max.0,1m/s	max.100bar	MVQ 85°	

SWR104



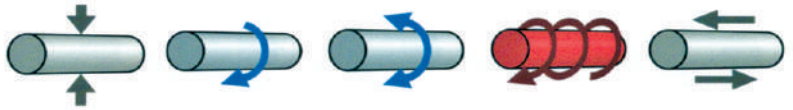
Primary Application
Application Limits
- Not applicable





min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.2m/s	max.160bar	HPU 94°	
-20°C	115°C	max.0.2m/s	max.160bar	HPU 55°D	
-20°C	110°C	max.0.3m/s	max.160bar	SL-PU 94°	
-50°C	110°C	max.0.2m/s	max.160bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,2m/s	max.100bar	NBR 85°	
-20°C	150°C	max.0,2m/s	max.100bar	H-NBR 85°	
-20°C	220°C	max.0,2m/s	max.100bar	FPM 82°	
-45°C	130°C	max.0,2m/s	max.100bar	EPDM 85°	
-60°C	200°C	max.0,1m/s	max.100bar	MVQ 85°	

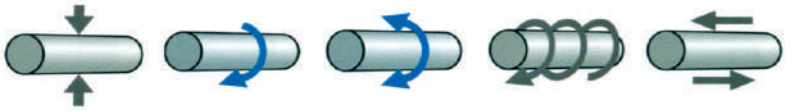
SWR105



Primary Application
Application Limits
- Not applicable

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.25m/s	max.000bar	HPU 94°	
-20°C	115°C	max.25m/s	max.000bar	HPU 55°D	
-20°C	110°C	max.25m/s	max.000bar	SL-PU 94°	
-50°C	110°C	max.25m/s	max.000bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,2m/s	max.000bar	NBR 85°	
-20°C	150°C	max.0,2m/s	max.000bar	H-NBR 85°	
-20°C	220°C	max.0,2m/s	max.00bar	FPM 82°	
-45°C	130°C	max.0,2m/s	max.000bar	EPDM 85°	
-60°C	200°C	max.0,1m/s	max.000bar	MVQ 85°	

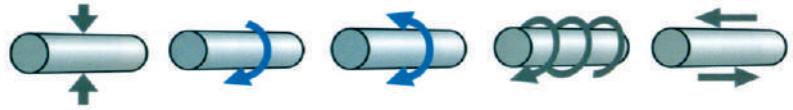
SWR106



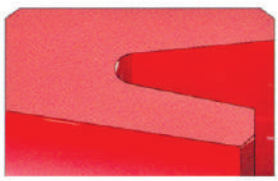
Primary Application
Application Limits
- Not applicable

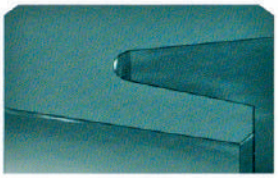
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.25m/s	max.000bar	HPU 94°	
-20°C	115°C	max.25m/s	max.000bar	HPU 55°D	
-20°C	110°C	max.25m/s	max.000bar	SL-PU 94°	
-50°C	110°C	max.25m/s	max.000bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,2m/s	max.000bar	NBR 85°	
-20°C	150°C	max.0,2m/s	max.000bar	H-NBR 85°	
-20°C	220°C	max.0,2m/s	max.00bar	FPM 82°	
-45°C	130°C	max.0,2m/s	max.000bar	EPDM 85°	
-60°C	200°C	max.0,1m/s	max.000bar	MVQ 85°	

SWR107



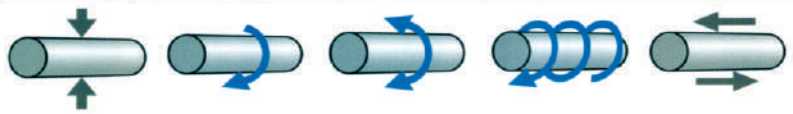
Primary Application
Application Limits
- Not applicable



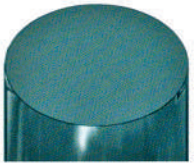


min Temp	max Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	Upon application		HPU 94°	
-20°C	115°C			HPU 55°D	
-20°C	110°C			SL-PU 94°	
-50°C	110°C			LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	Upon application		NBR 85°	
-20°C	150°C			H-NBR 85°	
-20°C	220°C			FPM 82°	
-45°C	130°C			EPDM 85°	
-60°C	200°C			MVQ 85°	

SWR108

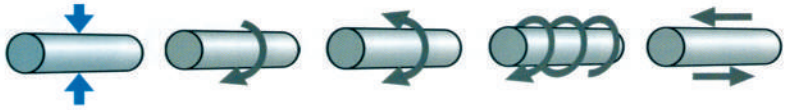


Primary Application
Application Limits
- Not applicable

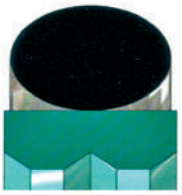


SWR109

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.000m/s	max.400bar	HPU 94°	
-20°C	115°C	max.000m/s	max.400bar	HPU 55°D	
-20°C	110°C	max.000m/s	max.400bar	SL-PU 94°	
-50°C	110°C	max.000m/s	max.400bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.000m/s	max.160bar	NBR 85°	
-20°C	150°C	max.000m/s	max.160bar	H-NBR 85°	
-20°C	220°C	max.000m/s	max.160bar	FPM 82°	
-45°C	130°C	max.000m/s	max.160bar	EPDM 85°	
-200°C	260°C	max.000m/s	max.160bar	PTFE	

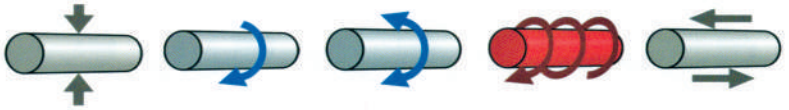


Primary Application
Application Limits
- Not applicable



SWR110

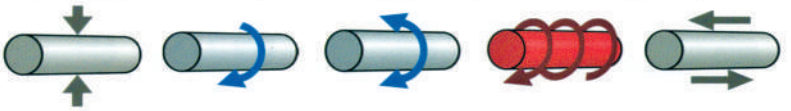
min Temp	max Temp	max. Speed	max. Pressure	Material /	O-Ring
-200°C	260°C	max.0,4m/s	max.300bar	PTFE pure	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 1glass	NBR70° /FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 2 bronze	NBR70°/FPM75°
-200°C	260°C	max.´0,4m/s	max.300bar	PTFE carbone	NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material /**	**O-Ring**
-200°C	260°C	max.0,4m/s	max.300bar	PTFE D05turqu	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE D05glass	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE graphite	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE ekonol	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 25%glass	NBR70°/FPM75°



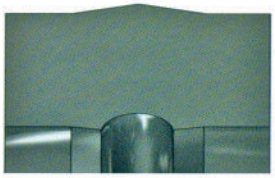
Primary Application
Application Limits
- Not applicable

SWR111

min Temp	max Temp	max. Speed	max. Pressure	Material /	O-Ring
-200°C	260°C	max.0,4m/s	max.300bar	PTFE pure	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 1glass	NBR70° /FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 2 bronze	NBR70°/FPM75°
-200°C	260°C	max.´0,4m/s	max.300bar	PTFE carbone	NBR70°/FPM75°
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material /**	**O-Ring**
-200°C	260°C	max.0,4m/s	max.300bar	PTFE D05turqu	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE D05glass	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE graphite	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE ekonol	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 25%glass	NBR70°/FPM75°

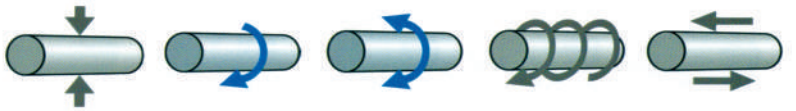


Primary Application
Application Limits
- Not applicable

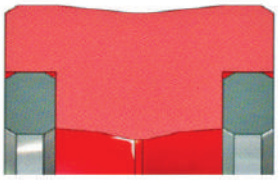


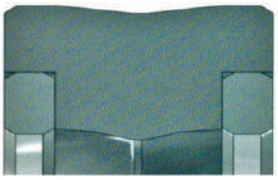
SWR112

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.0.2m/s	max.160bar	HPU 94°	
-20°C	115°C	max.0.2m/s	max.160bar	HPU 55°D	
-20°C	110°C	max.0.3m/s	max.160bar	SL-PU 94°	
-50°C	110°C	max.0.2m/s	max.160bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.0,2m/s	max.100bar	NBR 85°	
-20°C	150°C	max.0,2m/s	max.100bar	H-NBR 85°	
-20°C	220°C	max.0,2m/s	max.100bar	FPM 82°	
-45°C	130°C	max.0,2m/s	max.100bar	EPDM 85°	
-60°C	200°C	max.0,1m/s	max.100bar	MVQ 85°	



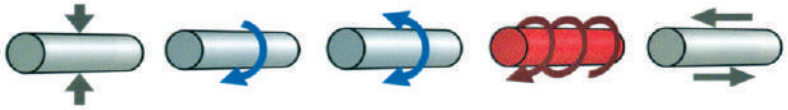
Primary Application
Application Limits
- Not applicable





min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.0.2m/s	max.400bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.0.2m/s	max.400bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.0.3m/s	max.400bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.0.2m/s	max.400bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-30°C	110°C	max.0,2m/s	max.250bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.0,2m/s	max.250bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.0,2m/s	max.250bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	max.0,2m/s	max.250bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.0,1m/s	max.150bar	MVQ 85°	POM/PTFE/PEEK

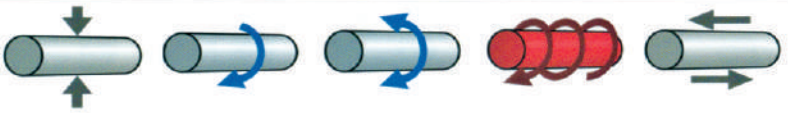
SWR113



Primary Application
Application Limits
- Not applicable

min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.0,4m/s	max.300bar	PTFE pure	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 1glass	NBR70° /FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 2 bronze	NBR70°/FPM75°
-200°C	260°C	max. ´0,4m/s	max.300bar	PTFE carbone	NBR70°/FPM75°
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.0,4m/s	max.300bar	PTFE D05turqu	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE D05glass	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE graphite	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE ekonol	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 25%glass	NBR70°/FPM75°

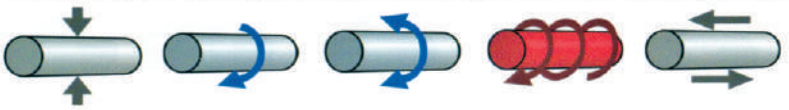
SWR115



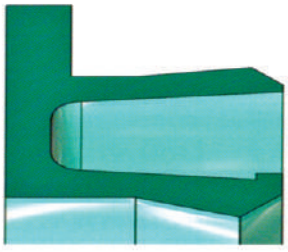
Primary Application
Application Limits
- Not applicable

min Temp	max Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.0,4m/s	max.300bar	PTFE pure	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 1glass	NBR70° /FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 2 bronze	NBR70°/FPM75°
-200°C	260°C	max. ´0,4m/s	max.300bar	PTFE carbone	NBR70°/FPM75°
min.Temp	max.Temp	max. Speed	max. Pressure	Material / O-Ring	
-200°C	260°C	max.0,4m/s	max.300bar	PTFE D05turqu	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE D05glass	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE graphite	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE ekonol	NBR70°/FPM75°
-200°C	260°C	max.0,4m/s	max.300bar	PTFE 25%glass	NBR70°/FPM75°

SWR116

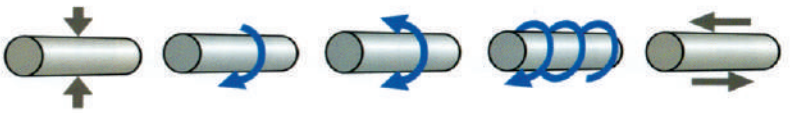


Primary Application
Application Limits
- Not applicable

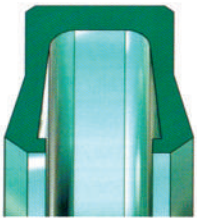


min Temp	max Temp	max. Speed	max. Pressure	Material / Spring	
-200°C	260°C	max.2m/s	max.150bar	PTFE pure	1.4310
-200°C	260°C	max.2m/s	max.150bar	PTFE 1glass	1.4310
-200°C	260°C	max.2m/s	max.150bar	PTFE 2 bronze	1.4310
-200°C	260°C	max.2m/s	max.150bar	PTFE carbone	1.4310
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Spring	
-200°C	260°C	max.2m/s	max.150bar	PTFE D05 turq	1.4310
-200°C	260°C	max.2m/s	max.150bar	PTFE D05 glass	1.4310
-200°C	260°C	max.2m/s	max.150bar	PTFE graphite	1.4310
-200°C	260°C	max.2m/s	max.150bar	PTFE ekonol	1.4310
-200°C	260°C	max.2m/s	max.150bar	PTFE 25%glass	1.4310

SWR117

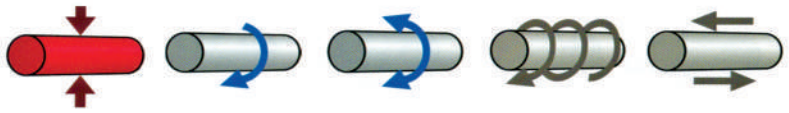


Primary Application
Application Limits
- Not applicable



min Temp	max Temp	max. Speed	max. Pressure	Material / Spring	
-200°C	260°C	max.15m/s	max.300bar	PTFE pure	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE 1glass	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE 2 bronze	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE carbone	1.4310
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Spring**	
-200°C	260°C	max.15m/s	max.300bar	PTFE D05 turq	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE D05 glass	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE graphite	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE ekonol	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE 25%glass	1.4310

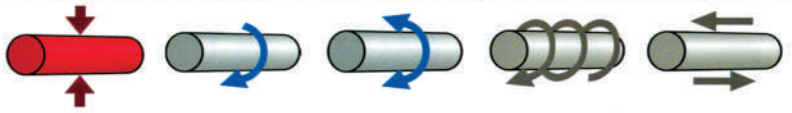
SWR118



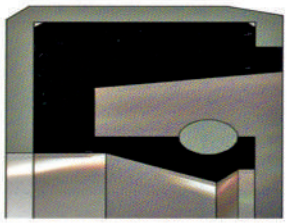
Primary Application
Application Limits
- Not applicable

min Temp	max Temp	max. Speed	max. Pressure	Material / Spring	
-200°C	260°C	max.15m/s	max.300bar	PTFE pure	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE 1glass	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE 2 bronze	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE carbone	1.4310
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Spring**	
-200°C	260°C	max.15m/s	max.300bar	PTFE D05 turq	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE D05 glass	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE graphite	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE ekonol	1.4310
-200°C	260°C	max.15m/s	max.300bar	PTFE 25%glass	1.4310

SWR119

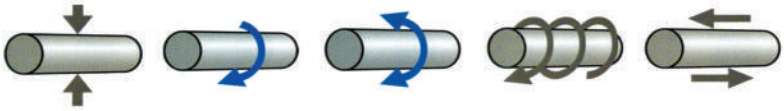


Primary Application
Application Limits
- Not applicable

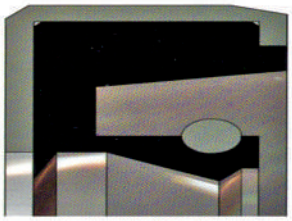


min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.5m/s	max.0,5bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.6m/s	max.0,5bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.5m/s	max.0,5bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.10m/s	max.0,5bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.10m/s	max.0,5bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.10m/s	max.0,5bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	Max.10m/s	max.0,5bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.5m/s	max.0,2bar	MVQ 85°	POM/PTFE/PEEK

SWR201

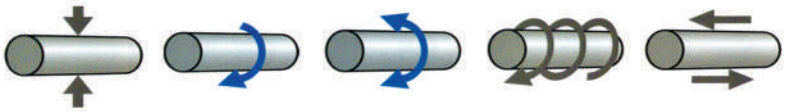


Primary Application
Application Limits
- Not applicable

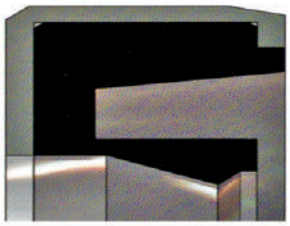


min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.5m/s	max.0,5bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.6m/s	max.0,5bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.5m/s	max.0,5bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material / Backring**	
-30°C	110°C	max.10m/s	max.0,5bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.10m/s	max.0,5bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.10m/s	max.0,5bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	Max.10m/s	max.0,5bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.5m/s	max.0,2bar	MVQ 85°	POM/PTFE/PEEK

SWR202

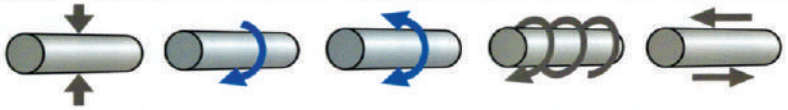


Primary Application
Application Limits
- Not applicable

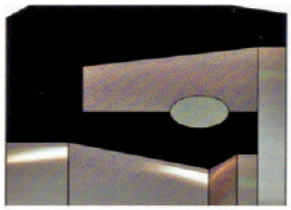


min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 94°	POM/PTFE/PEEK
-20°C	115°C	max.5m/s	max.0,5bar	HPU 55°D	POM/PTFE/PEEK
-20°C	110°C	max.6m/s	max.0,5bar	SL-PU 94°	POM/PTFE/PEEK
-50°C	110°C	max.5m/s	max.0,5bar	LT-PU 94°	POM/PTFE/PEEK
min.Temp	max.Temp	max. Speed	max. Pressure	Material / Backring	
-30°C	110°C	max.10m/s	max.0,5bar	NBR 85°	POM/PTFE/PEEK
-20°C	150°C	max.10m/s	max.0,5bar	H-NBR 85°	POM/PTFE/PEEK
-20°C	220°C	max.10m/s	max.0,5bar	FPM 82°	POM/PTFE/PEEK
-45°C	130°C	Max.10m/s	max.0,5bar	EPDM 85°	POM/PTFE/PEEK
-60°C	200°C	max.5m/s	max.0,2bar	MVQ 85°	POM/PTFE/PEEK

SWR203

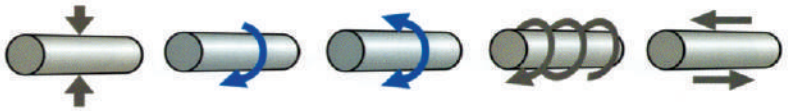


Primary Application
Application Limits
- Not applicable

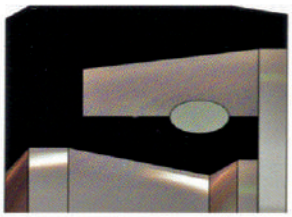


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 94°	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 55°D	
-20°C	110°C	max.6m/s	max.0,5bar	SL-PU 94°	
-50°C	110°C	max.5m/s	max.0,5bar	LT-PU 94°	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-30°C	110°C	max.10m/s	max.0,5bar	NBR 85°	
-20°C	150°C	max.10m/s	max.0,5bar	H-NBR 85°	
-20°C	220°C	max.10m/s	max.0,5bar	FPM 82°	
-45°C	130°C	Max.10m/s	max.0,5bar	EPDM 85°	
-60°C	200°C	max.5m/s	max.0,2bar	MVQ 85°	

SWR204

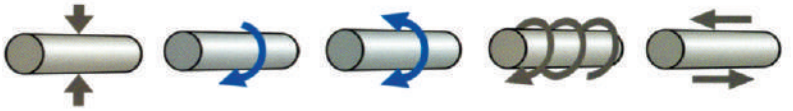


Primary Application
Application Limits
- Not applicable

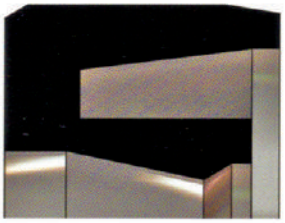


min Temp	max Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.5m/s	max.0,5bar	PTFE pure	
-200°C	260°C	max.5m/s	max.0,5bar	PTFE 1glass	
-200°C	260°C	max.6m/s	max.0,5bar	PTFE 2 bronze	
-200°C	260°C	max.5m/s	max.0,5bar	PTFE carbone	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-200°C	260°C	max.10m/s	max.0,5bar	NBR 85°	
-200°C	260°C	max.10m/s	max.0,5bar	H-NBR 85°	
-200°C	260°C	max.10m/s	max.0,5bar	FPM 82°	
-200°C	260°C	Max.10m/s	max.0,5bar	EPDM 85°	
-200°C	260°C	max.5m/s	max.0,2bar	MVQ 85°	

SWR205

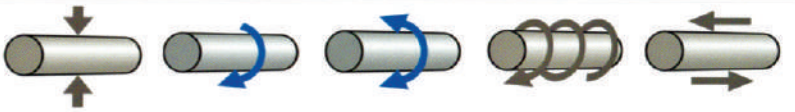


Primary Application
Application Limits
- Not applicable

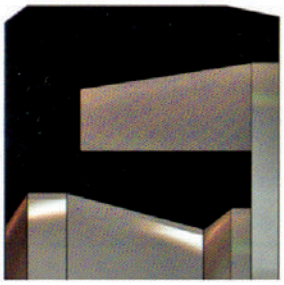


min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 94°	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 55°D	
-20°C	110°C	max.6m/s	max.0,5bar	SL-PU 94°	
-50°C	110°C	max.5m/s	max.0,5bar	LT-PU 94°	
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-30°C	110°C	max.10m/s	max.0,5bar	NBR 85°	
-20°C	150°C	max.10m/s	max.0,5bar	H-NBR 85°	
-20°C	220°C	max.10m/s	max.0,5bar	FPM 82°	
-45°C	130°C	Max.10m/s	max.0,5bar	EPDM 85°	
-60°C	200°C	max.5m/s	max.0,2bar	MVQ 85°	

SWR206

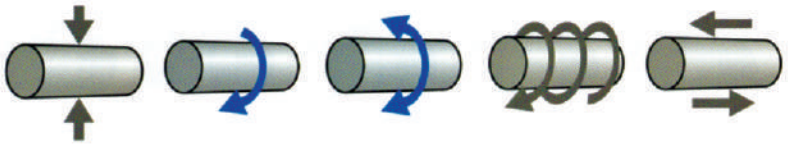


Primary Application
Application Limits
- Not applicable



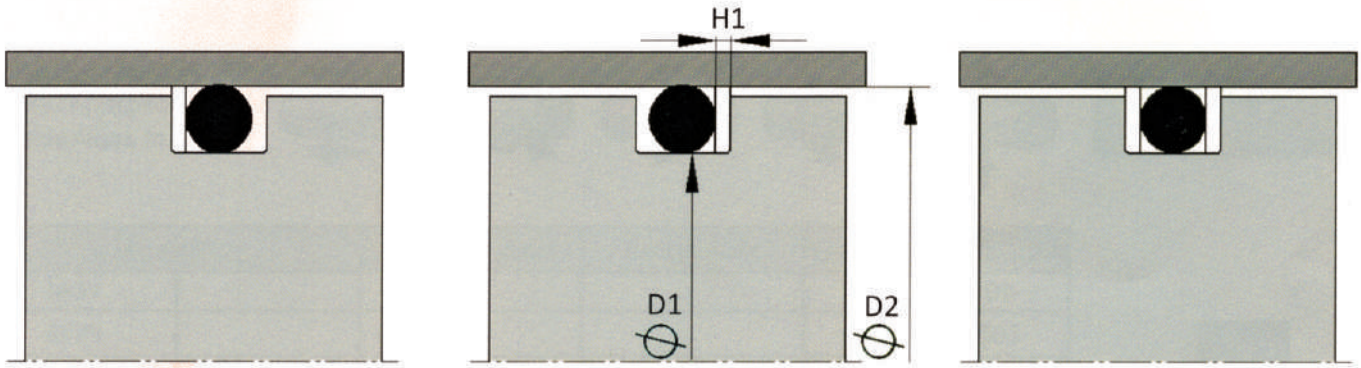
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 94°	
-20°C	115°C	max.5m/s	max.0,5bar	HPU 55°D	
-20°C	110°C	max.6m/s	max.0,5bar	SL-PU 94°	
-50°C	110°C	max.5m/s	max.0,5bar	LT-PU 94°	
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-30°C	110°C	max.10m/s	max.0,5bar	NBR 85°	
-20°C	150°C	max.10m/s	max.0,5bar	H-NBR 85°	
-20°C	220°C	max.10m/s	max.0,5bar	FPM 82°	
-45°C	130°C	Max.10m/s	max.0,5bar	EPDM 85°	
-60°C	200°C	max.5m/s	max.0,2bar	MVQ 85°	

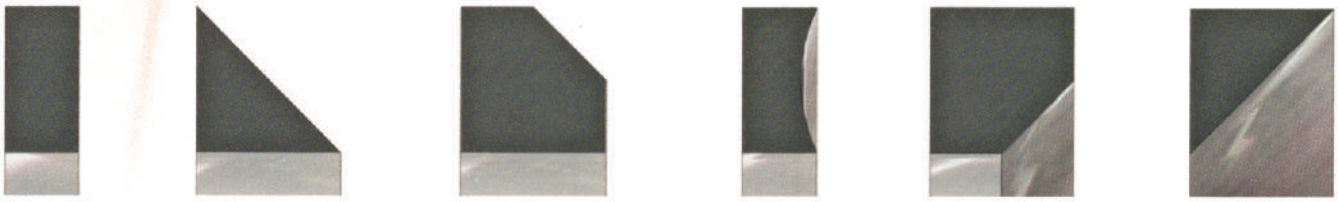
SWR207



Primary Application
Application Limits
- Not applicable

BACKUP RINGS



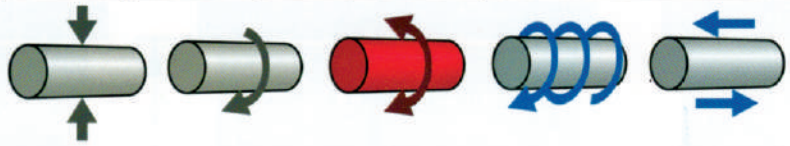


Backrings are mainly used to minimise gaps that arise during production or as a result of wear and tear on metal components.

By using such accessories (multi-part geometries with the aid of elastomers or thermoplastics) the backrings become an active aid to ensure the completeness of the seal.

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100				POM
-200	260				PTFE
-60	250				PEEK
-200	260				PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80				UHMW-PE
-20°C	115°C				HPU 94°
-20°C	115°C				HPU 55°D
-20°C	110°C				SL-PU 94°
-50°C	110°C				LT-PU 94°

SWST108



Primary Application
Application Limits
- Not applicable

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100				POM
-200	260				PTFE
-60	250				PEEK
-200	260				PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80				UHMW-PE
-20°C	115°C				HPU 94°
-20°C	115°C				HPU 55°D
-20°C	110°C				SL-PU 94°
-50°C	110°C				LT-PU 94°

SWST109

Primary Application
Application Limits
- Not applicable

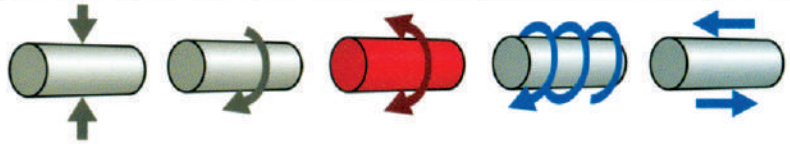
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100				POM
-200	260				PTFE
-60	250				PEEK
-200	260				PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80				UHMW-PE
-20°C	115°C				HPU 94°
-20°C	115°C				HPU 55°D
-20°C	110°C				SL-PU 94°
-50°C	110°C				LT-PU 94°

SWST110

Primary Application
Application Limits
- Not applicable

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100				POM
-200	260				PTFE
-60	250				PEEK
-200	260				PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80				UHMW-PE
-20°C	115°C				HPU 94°
-20°C	115°C				HPU 55°D
-20°C	110°C				SL-PU 94°
-50°C	110°C				LT-PU 94°

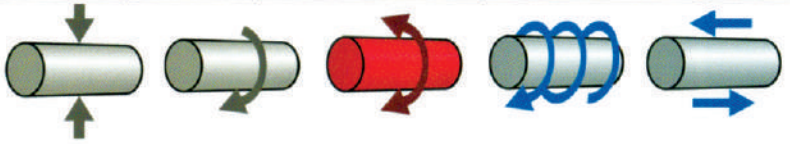
SWST111



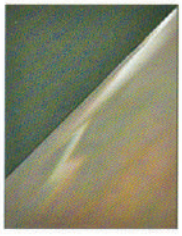
Primary Application
Application Limits
- Not applicable

min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100				POM
-200	260				PTFE
-60	250				PEEK
-200	260				PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80				UHMW-PE
-20°C	115°C				HPU 94°
-20°C	115°C				HPU 55°D
-20°C	110°C				SL-PU 94°
-50°C	110°C				LT-PU 94°

SWST112



Primary Application
Application Limits
- Not applicable



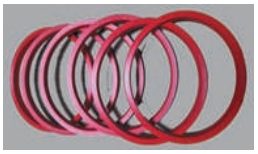
min.Temp	max.Temp	max. Speed	max. Pressure	Material	
-50	100				POM
-200	260				PTFE
-60	250				PEEK
-200	260				PTFE filled
min.Temp	**max.Temp**	**max. Speed**	**max. Pressure**	**Material**	
-200	80				UHMW-PE
-20°C	115°C				HPU 94°
-20°C	115°C				HPU 55°D
-20°C	110°C				SL-PU 94°
-50°C	110°C				LT-PU 94°

SWST113

Primary Application
Application Limits
- Not applicable

sealwell












sealwell (P) ltd.
#295/1, 4th Phase, 8th Cross,
Peenya Industrial Area,
Bangalore - 560 058
Karnataka, India.

PH:- 080-28374181, 080-28374182
Mob/W'app :- +91 8296967859
E-Mail :- sealwell123@yahoo.com
Website:-www.sealwellindia.com