





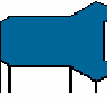








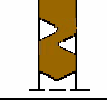



HYDRAULIC & PNEUMATIC Seal Profiles

BEE4
EMPOWERING SUPPLIER

SANS	ISO 9001
SANS	ISO 14001
SANS	OHSAS 18001



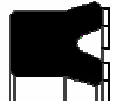






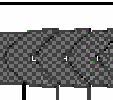

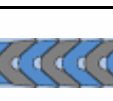

ROD SEALS

Seal type	Pressure Rating	Profile	Material	Article Prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands)	Sealjet Profile
Rod U-seal	300 Bar		Polyurethane	PUM	T616	-	-
Rod U-seal - Pneumatic	16 Bar		Polyurethane	PUM / PU	T609	-	S5-9
Rod U-seal	400 Bar		Polyurethane	PUM / PU	-	R, R CAT, IDI, NOK, B3	S1-9
Rod U-seal	700 Bar		Polyurethane / POM anti-extrusion ring	PUM / PU	-	NEI	S2-9
Rod U-seal - Telescopic cylinder seal	400 Bar		Polyurethane	PU / PUM	T610	GC, HYV	S8-9
Rod U-seal - Twinlip	400 Bar		Polyurethane	PU / PUM	T605	BS	S17-9
Rod U-seal	700 Bar		Polyurethane / Rubber energiser / POM anti-extrusion ring	PU / PUM	T621, T652	BD	S4-9
Variseal - Spring energised	400 Bar		PTFE (glass filled+moly) / Stainless steel spring	-	-	-	S19-4
Rod U-seal	200 Bar		Rubber	UM	-	IUH NOK, NOK	-
Rod U-seal	160 Bar		Rubber	UM	-	-	S1-5
Rod U-seal	250 Bar		Rubber / Nylon anti-extrusion ring	UM	-	NEO	S2-5
Rod U-seal - Pneumatic	16 Bar		Rubber	DI	-	-	S5-5
Rod hat seal - Low pressure	40 Bar		Rubber	H	-	-	S16-5
Rod Z seal - Pneumatic	16 Bar		Rubber	RSM	-	PR, Z	-
Rod step kopper	300 Bar		Polyurethane glide ring / Rubber energiser	RSM / RSI	-	PU, POLY	S9-9

















ROD SEALS

Seal type	Pressure Rating	Profile	Material	Article Prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands)	Sealjet Profile
Rod step kopper	300 Bar		PTFE glide ring/ Rubber energiser	RSM / RSI	T16	KOP, KOPHD, JAP, OMS	S9-4
Rod kopper - Double acting	300 Bar		PTFE glide ring/ Rubber energiser	RSM / RSI	T716	KOPDA	S9-4 (STEPLESS)
Rod T-Seal	250 Bar		Rubber / Nylon anti-extrusion rings	RSM / RSI	-	TP	S20-5
Rod kopper - Pneumatic	16 Bar		PTFE glide ring/ Rubber energiser	RSM / RSI	-	OA	S9-4 (STEPLESS, PNEUMATIC)
Rod step kopper - CAT style	300 Bar		PTFE glide ring/ Rubber energiser	CTC / RSI	-	2PC ROD BUFFER	S9-4 (SQR ENRG)
Buffer seal	700 Bar		Polyurethane / POM anti-extrusion ring	PU / PUM	T653	-	-
Buffer seal	500 Bar		Polyurethane / POM anti-extrusion ring	PUM	-	HBV	-
Buffer seal	300 Bar		Polyurethane	CTC / RSI	-	CAT BUFFER SEAL	-
Single acting rod seal	300 Bar		Fabric reinforced rubber base / Rubber energiser	SAM / SAI	T15	MM (S8)	-
Single acting rod seal	700 Bar		Fabric reinforced rubber base / Rubber energiser / POM anti-extrusion ring	SAM / SAI	T21	MM (S24)	-
Single acting rod seal	400 Bar		Fabric reinforced rubber base / Rubber energiser / POM anti-extrusion ring	SAM / SAI	-	CPI, NEI, NEI PP, NEI TT, PEI	-
Single acting rod seal - Sealmaster	600 Bar		Fabric reinforced rubber base / Rubber energiser / POM anti-extrusion ring	SAM / SAI	-	SM, MM (S25), PDS	-
Chevron packing - Dri rod seal	700 Bar		Fabric reinforced rubber / Rubber energiser	CHM / CHI	T06	-	-
Chevron packing	600 Bar		Fabric reinforced rubber & rubber only vee rings / POM header and base	CHI	T11, T12, T13	-	-

ROD - PISTON SEALS

Seal type	Pressure Rating	Profile	Material	Article Prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands)	Sealjet Profile
Piston / Rod U-seal	400 Bar		Polyurethane	PU / PUM	T601	P/R, UPI NOK	S6-9
Piston / Rod U-seal	350 Bar		Molythane / Rubber energiser	PU	T500, T800	BA	S7-9
Piston / Rod U-seal	200 Bar		Rubber	UM	-	OUHR	-
Piston / Rod U-seal	120 Bar		Rubber	U / UM	-	-	S6-5
Piston / Rod U-seal - Pneumatic	16 Bar		Rubber	U / UM	-	-	S5-5
Variseal	400 Bar		PTFE (glass filled+moly) / Stainless steel spring	-	-	-	K/S19-4
Piston / Rod single acting seal	500 Bar		Fabric reinforced rubber base / Rubber energiser	SAM / SAI	T18	-	-
Piston / Rod single acting seal	400 Bar		Fabric reinforced rubber base / Rubber energiser	SAM / SAI	-	P, PP, TSE, CP, DLI, No suffix	-
Chevron packing	600 Bar		Fabric reinforced rubber vee rings / POM header and base	CHM / CHI	T9	-	-
Chevron packing	400 Bar		Fabric reinforced rubber / Rubber	CHM / CHI	-	GT, PP, PVM, VF, No suffix	-
Chevron packing	600 Bar		Fabric reinforced rubber & nylon vee rings / Nylon header, fabric reinforced base	CHI	-	B/W (Black & white)	-
Chevron packing	600 Bar		Fabric reinforced rubber & rubber only vee rings / POM header and base	CHI	-	B/B (Black & blue)	-
Vee rings	600 Bar		Fabric reinforced rubber	CHM / CHI	-	VRM, VRI	-

PISTON SEALS






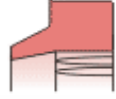








Seal type	Pressure rating	Profile	Material	Article prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands/options)	Sealjet Profile
Complete piston seal - TDUO style, Pneumatic	12 Bar		Rubber sealing lips bonded to a steel body	-	-	-	-
Complete piston seal - TDUO style, Hydraulic	60 Bar		Rubber sealing lips bonded to a steel body with energising springs	-	-	-	-
Double acting piston seal - Z style, Pneumatic	12 Bar		Rubber	-	-	PK, Z, Z6	-
Double acting piston seal - KDN style, Pneumatic	12 Bar		Rubber	-	-	KDN, Z2	-
Double acting piston seal - Pneumatic	12 Bar		Rubber	-	-	Z5	-
Single acting piston seal - Pneumatic	12 Bar		Rubber	-	-	Z7	-
Cup seal	40 Bar		Rubber	-	-	-	K16-5
Cup seal	150 Bar		Fabric reinforced rubber	T66	T66	FC	-
Cup seal	10 Bar		Leather	LC	-	-	-
Piston U-seal - Pneumatic	16 Bar		Polyurethane	PU / PUM	T607	-	K5-9
Piston U-seal	400 Bar		Polyurethane	PU / PUM	T606	P, CAT P	K1-9
Piston U-seal - Twinlip	400 Bar		Polyurethane	PU / PUM	T655	-	-
Piston U-seal	500 Bar		Polyurethane / POM anti-extrusion ring	PU / PUM	T659	NEO	K2-9
Piston U-seal - Japanese style	250 Bar		Rubber / Nylon anti-extrusion ring	PSM	-	OUY	-
Piston U-seal - Low pressure	40 Bar		Rubber	U / UM	-	DE	K5-5
Variseal	400 Bar		PTFE (glass filled+moly) / Stainless steel spring	-	-	-	K19-4




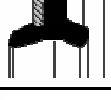



PISTON SEALS

Seal type	Pressure rating	Profile	Material	Article prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands/options)	Sealjet Profile
Single acting seal	400 Bar		Fabric reinforced rubber base / Rubber energiser / POM anti-extrusion ring	SAM / SAI	-	CPE, NEO, NEO PP, NEO TT, PEO, TG	-
Single acting seal	400 Bar		Fabric reinforced rubber base / Rubber energiser / POM anti-extrusion wear ring	SAM / SAI	T71 (T18+Bl62 or BM62)	-	-
Single acting seal	400 Bar		Fabric reinforced rubber base / Rubber energiser / POM anti-extrusion wear ring / POM keeper ring	SAM / SAI	-	WR+KR	-
Piston kopper - Pneumatics	20 Bar		PTFE glide ring/ Rubber energiser	PSM / PSI	-	KOPLD	K8-4 (PNEUMATIC)
Piston kopper	350 Bar		PTFE glide ring/ Rubber energiser	PSM / PSI	-	KOP, KOP HD, KOPG, KOPHDB	K8-4
Piston kopper - CAT style	350 Bar		PTFE glide ring/ Rubber energiser	PSI / CTC-	-	KOP (CAT KOP)	K8-4(SQR ENRG)
Piston kopper - Z split	350 Bar		PTFE glide ring/ Rubber energiser	PSM / PSI	-	KOP Z, OK (CAT KOP SPLIT)	-
Piston kopper	350 Bar		Thermoplastic glide ring / Rubber energiser	PSM / PSI	T754		-
Piston kopper	350 Bar		Thermoplastic glide ring / Rubber energiser	PSM / PSI	T755	CS8, SIMKO	-
Piston kopper	250 Bar		Elastomeric glide ring / Rubber energiser	PSM / PSI	T764	-	-
Piston kopper	350 Bar		Elastomeric glide ring / Rubber energiser	PSM / PSI	T775	-	-
Piston kopper	350 Bar		Elastomeric glide ring / Rubber energiser	PSM / PSI	T770	-	-
Piston kopper	300 Bar		Elastomeric glide ring / Rubber energiser	PSM / PSI	-	PSC	-
Piston T-Seal	250 Bar		Rubber / Nylon anti-extrusion rings	PSM / PSI	-	TP	K20-5





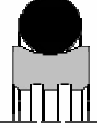
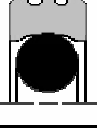
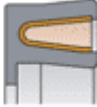
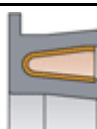
PISTON SEALS

Seal type	Pressure rating	Profile	Material	Article prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands/options)	Sealjet Profile
Piston ring	Design dependent		Cast iron	PR	-	-	-
One piece double acting seal	500 Bar		Rubber sealing face with integral fabric reinforced rubber support elements	PSM / PSI	T56	DP, CLA	-
Three piece double acting seal	700 Bar		Rubber sealing face with integral fabric reinforced rubber support elements / POM wear/anti-extrusion rings	PSM / PSI	T58	DPW/L, PLW, MDL, LO, SIMKO 320, CFW	-
Three piece double acting seal with clip on wear rings	700 Bar		Rubber sealing face with integral fabric reinforced rubber support elements / POM wear/anti-extrusion rings	PSM / PSI	-	DPW, ZD	-
Three piece double acting seal	200 Bar		Rubber sealing element / POM wear/anti-extrusion rings	PSM / PSI	T65	-	-
Four piece double acting seal	700 Bar		Thermoplastic sealing face / Rubber energiser and POM clip-on anti-extrusion rings	PSM / PSI	T730, T731, ZC	ZC	K23-9
Four piece double acting seal (T-seal)	500 Bar		PTFE sealing face / Rubber energiser and thermoplastic clip-on anti-extrusion rings	PSM / PSI	T735, T907 (JAPANESE)	NOK GS (SPGW), MCPS, WB	K23-3
Four piece double acting seal	500 Bar		Thermoplastic sealing face / Rubber energiser and POM clip-on anti-extrusion rings	PSM / PSI	T750	-	-
Five piece double acting seal (DAS)	350 Bar		Rubber sealing element / POM wear and polymer anti-extrusion rings	PSM / PSI	-	DAS, PP, TT, SPS, MM (L43)	-
Five piece double acting seal (DAS equivalent)	500 Bar		Rubber sealing element / POM wear and polymer anti-extrusion rings	PSM / PSI	T53, T753, T756	DAS, PP, TT, SPS, MM (L43)	-
Five piece double acting seal	400 Bar		Rubber sealing element / POM wear and polymer anti-extrusion rings	PSM / PSI	T50, T68	-	-
Five piece double acting seal	400 Bar		Rubber sealing element / POM L-section wear and polymer anti-extrusion rings	PSM / PSI	T64	-	K9-9
Chevron packing	400 Bar		Fabric reinforced rubber vee ring / POM header and base	CHM / CHI	T51	-	-
Chevron packing - Twinset	401 Bar		Fabric reinforced rubber vee ring & base	CHM / CHI	T52	-	-





Seal type	Profile	Material	Article prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands/options)	Sealjet Profile
Soft wiper		Rubber	WM / WI	T31	A5, DK, GHM, PP, PWM, VF	A2-5
Soft wiper		Rubber	WM / WI	T33	PWO	A5-5
Soft wiper		Rubber	WM / WI	T36	B, BT, PWB	-
Soft wiper		Rubber	WM / WI	-	KW, PWE	-
Soft wiper		Polyurethane	WM / WI	T520, T521, T831	P, PU, PW, D, UPWM, ST, MM (PU6), DSI NOK, WRM, HYVA	A9-9
Hard wiper		Polyester	WM / WI	T38	-	-
Soft wiper - Double step		Polyurethane	WM / WI	T834	A1 (Rubber)	A1-9
Soft wiper - Combi U		Rubber	WM / WI	-	HW	A11-5
Soft wiper - Combi U		Polyurethane	WM / WI	T839	PWD	A11-9
Soft wiper - Nipsl		Polyurethane	WM / WI	T851	NIPSL, GPR, E8 (2 pc)	-
Soft wiper - Double step, Combi		Polyurethane	WM / WI	-	GPW	-
Soft wiper - Intelligent		Polyurethane	WM / WI	T846	-	-
Soft wiper - With dustflap		Polyurethane	WM / WI	T842	A6	-
Hard wiper - Wyclip style		Nylon	WM / WI	-	WY	WYCLIP

Seal type	Profile	Material	Article prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands/options)	Sealjet Profile
Metal case wiper		Polyurethane / Metal case	WM / WI	T860	T860, DKI	A3-9
Metal case wiper		Rubber / Metal case	WM / WI	-	GA	A3-5
Metal case wiper Combi		Polyurethane / Metal case	WM / WI	-	DKBM	-
Metal case wiper Combi		Rubber / Metal case	WM / WI	-	DKB	-
Metal case wiper - CAT style		Polyurethane / Metal case	WM / WI	T862	CAT, VAY, DWMA, DKH	-
PTFE wiper - Excluder		PTFE / Rubber	WM / WI	-	EXCL, EXCLB	EXCLUDER
Metal scraper wiper		Rubber / Metal / Metal case	WM	-	METAL	-







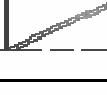


ROTARY SEALS

Seal Type	Pressure Rating	Profile	Material	Article Prefix	Article Suffix (Alternative brands/options)	Sealjet Profile
Rotary swivel seal - Internal	350 Bar		Polyurethane	SWIVEL SEAL	T80 (Hallite)	-
Rotary swivel seal - Internal	250 Bar		Rubber or Polyurethane	-	-	R4-5 or R4-9
Rotary swivel seal - External	250 Bar		Rubber or Polyurethane	-	-	R5-5 or R5-9
Rotary swivel seal - External	400 Bar		Rubber energiser / POM anti-extrusion rings	SWIVEL SEAL	M19	R3-9
Rotary swivel seal - Internal	350 Bar		PTFE glyde ring / Rubber energiser	-	-	R9-3
Rotary swivel seal - External	350 Bar		PTFE glyde ring / Rubber energiser	-	-	R10-3
Flanged rotary variseal - internal	300 Bar		PTFE (glass filled+moly) / Stainless steel spring	-	-	S19-4 (FLANGED)
Flanged rotary variseal - external	300 Bar		PTFE (glass filled+moly) / Stainless steel spring	-	-	K19-4 (FLANGED)

STATIC SEALS

Seal Type	Pressure Rating	Profile	Material	Article Prefix	Article Suffix (Alternative brands/options)	Sealjet Profile
SAE Hose end flange seal	350 Bar		Polyurethane	FSI	T657 (Hallite), OV, CAT	-
Bonded washer - Dowty seal	500 Bar		Metal / Rubber	BWM / BWI	-	-
Square ring	300 Bar		Rubber	SQR	SR580	ST8-5
O-ring	300 Bar		Rubber	OR	-	R0/R13-5
O-ring - Encapsulated	300 Bar		Rubber / PTFE encapsulation	OR	FEP / SEP	-
Quad ring	300 Bar		Rubber	QR	-	-
Backup ring	N/A		Rubber	BU8	-	ST9-5
Backup ring	N/A		PTFE	BU	PTFE	ST8-2
Backup ring	N/A		Polyurethane	BU	PU	ST8-9

WEAR BANDS

Type	Profile	Material	Article prefix	Article Suffix (Alternative brands/options)
PTFE Wear strip		PTFE	WSM / WSI	PTFE
PTFE Wear strip - Diamond ruster		PTFE with rough knurled finish	WSM / WSI	PTFEDR
Fabric wear strip - Hallite coil or flat strip		Polyester resin reinforced fabric	WSM / WSI	T506 (Hallite)
Fabric wear strip - Grey & black		Polyester resin reinforced fabric	WSM / WSI	GB
Fabric wear strip - Turquoise		Polyester resin reinforced fabric	WSM / WSI	TUR
Phenolic wear band		Phenolic resin	WRM	PBR, NOK
Tufnol wear band		Tufnol	WRM	TUF, O&K
GSM wear band		GSM Nylon	WRM	GSM
Wear band for earthmoving equipment		Polyester resin reinforced fabric	WRM / WRI	CAT

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