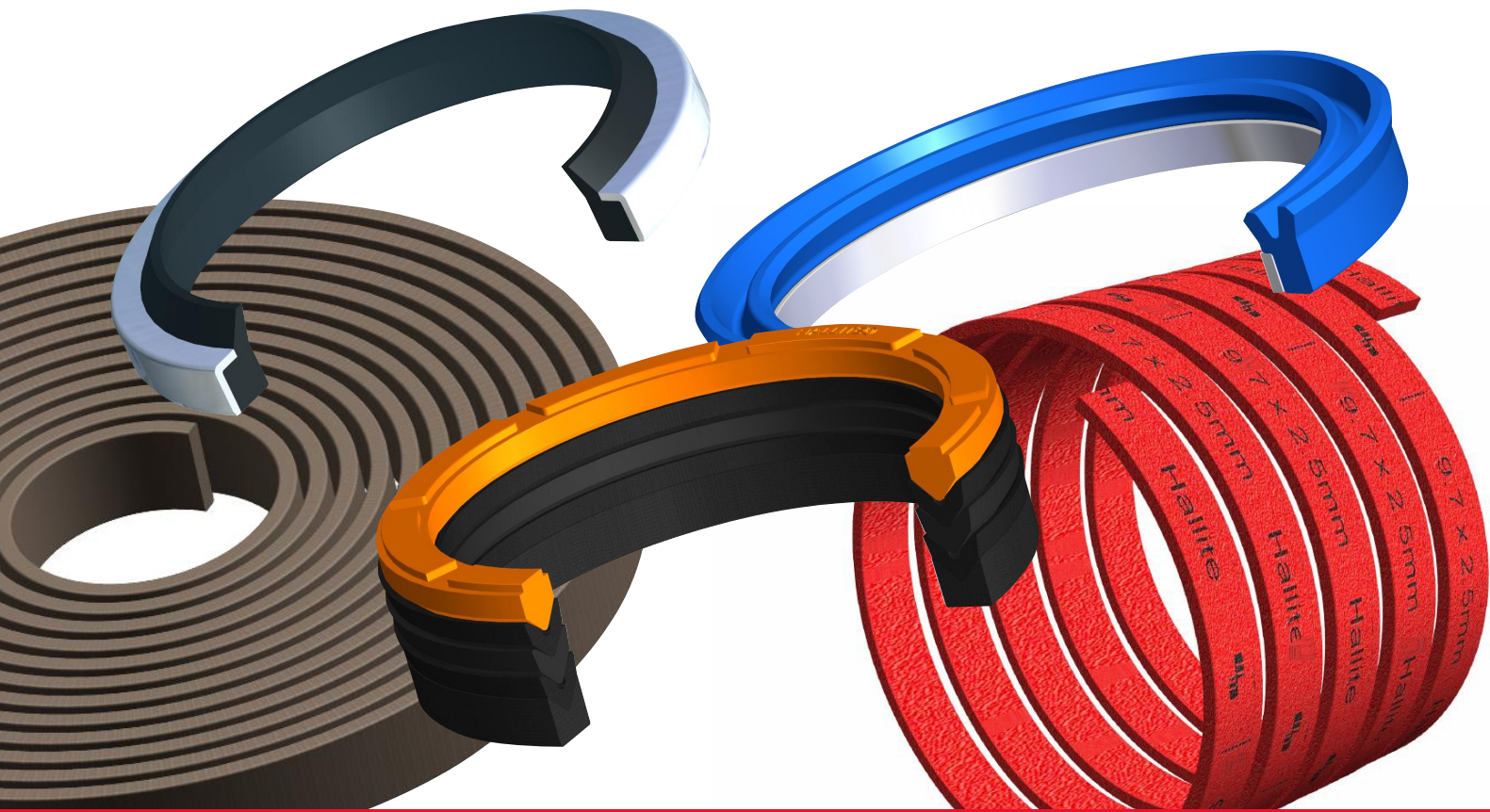


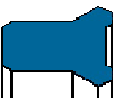


HYDRAULIC & PNEUMATIC Seal Profiles

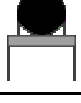
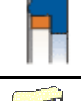
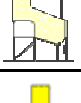
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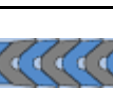
ROD SEALS

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	-

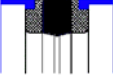
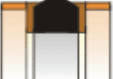
PISTON SEALS

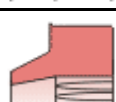
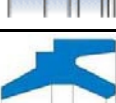
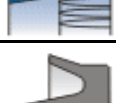
Seal type	Pressure rating	Profile	Material	Article prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands/options)	Sealjet Profile
Complete piston seal - TDUO style, Pneumatic	12 Bar		Rubber sealing lips bonded to a steel body	-	-	-	-
Complete piston seal - TDUO style, Hydraulic	60 Bar		Rubber 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

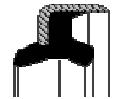
PISTON SEALS

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

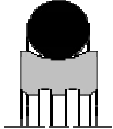
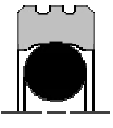
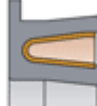
PISTON SEALS

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	-	-

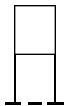
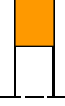
Seal type	Profile	Material	Article prefix	Article Suffix (Hallite)	Article Suffix (Alternative brands/options)	Sealjet Profile
Soft wiper		Rubber	WM / WI	T31	A5, DK, GHM, PP, PWM, VF	A2-5
Soft wiper		Rubber	WM / WI	T33	PWO	A5-5
Soft wiper		Rubber	WM / WI	T36	B, BT, PWB	-
Soft wiper		Rubber	WM / WI	-	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, DK1	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	-

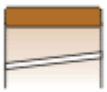
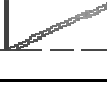
ROTARY SEALS

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

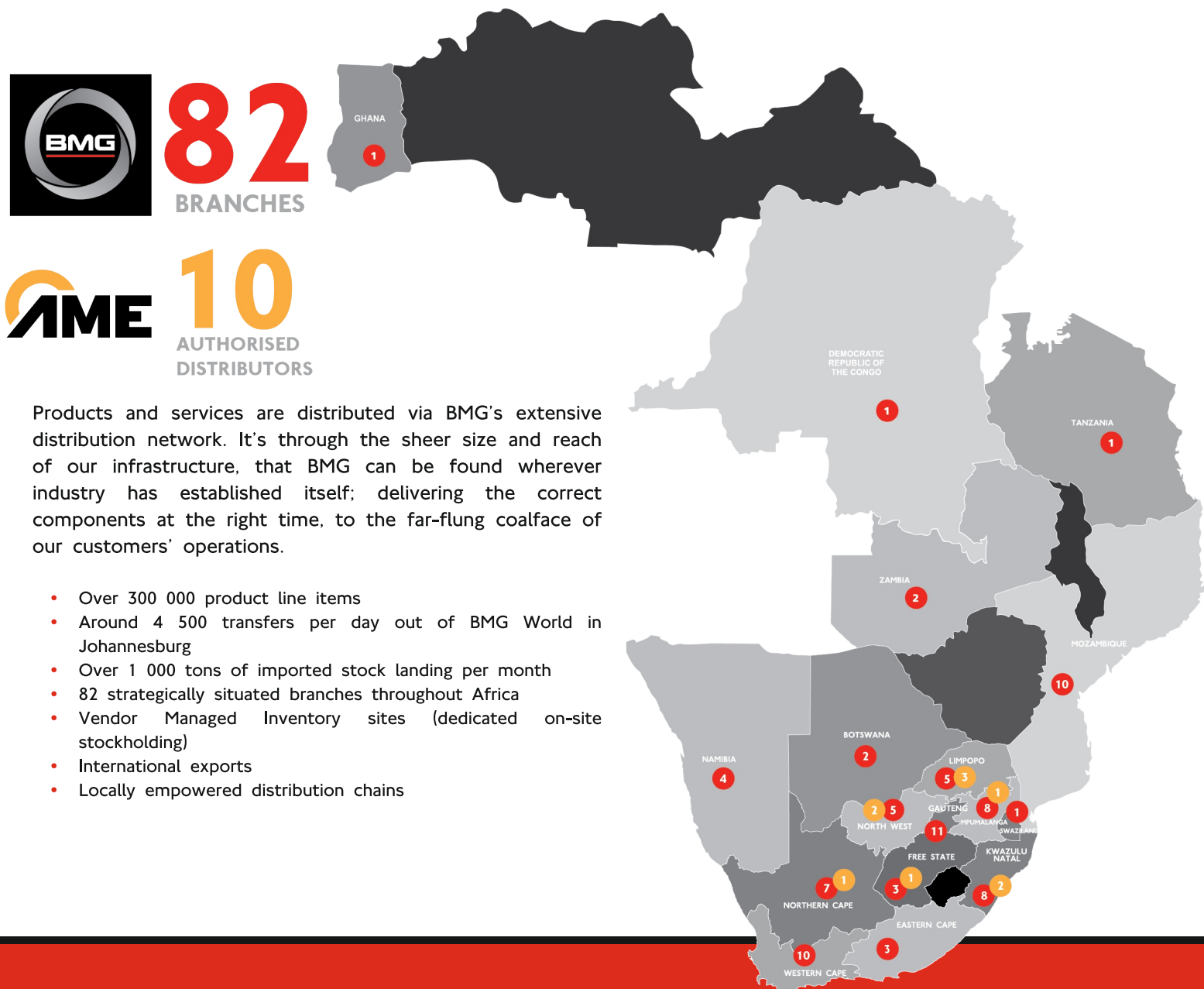
Type	Profile	Material	Article prefix	Article Suffix (Alternative brands/options)
PTFE Wear strip		PTFE	WSM / WSI	PTFE
PTFE Wear strip - Diamond raster		PTFE with rough knurled finish	WSM / WSI	PTFEDR
Fabric wear strip - Hallite coil or flat strip		Polyester resin reinforced fabric	WSM / WSI	T506 (Hallite)
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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