



Application

- Applications requiring mechanical locking of the rod in position (rod-lock versions)
- Applications requiring increased force or independent double strokes (tandem versions)
- Systems requiring electronic position monitoring (thanks to magnetic sensors)
- Configurations with limited space constraints or the need for cushioning (cushioned versions)



Fluid	Filtered lubricated and non-lubricated compressed air
Temperature NBR	0 °C (-20 °C with dry air) ÷ + 80 °C
Pressures	1 bar (0.1 MPa) ÷ 10 bar (1 MPa) Breakaway Pres. : 0.3 bar (0.03 MPa)
Rod	chrome-plated C40 steel
Nut	galvanized steel
Rod seal	polyurethane
Front and rear head	aluminum
Cushioning seals	NBR
Needle	galvanized steel
Cylinder liner	anodized aluminum
Fixing screw	galvanized steel
Bushing	KU
Piston seals	NBR
Magnet	plastroferrite
Piston	aluminum
O-Ring	NBR
Operation	Single-acting magnetic (non-magnetic on request). Double-acting magnetic (non-magnetic on request), single or through rod. Tandem
Sensors recommended	DF - DT



Reference Standard

II 2 GD h T6 -20°C<Tamb<80°C


1907/2006
REACH✓

2011/65/CE
RoHS✓

SILICON
FREE


Series	Execution	Ø mm	Stroke	Version	Variant
L H		0 3 2	0 0 2 5		
▲ LB Single-Acting, Cushioned, Magnetic ● LH Double-Acting, Cushioned, Magnetic ● LL Double-Acting, Through Rod, Cushioned, Magnetic	= Male Rod L Locking device (clamping unit) L1-N T Tandem D Tandem, independent rods C Back-to-back, independent rods, with VTF K Back-to-back, independent rods, with KF36	032 040 050 063 080 100 125	0025 0300 0040 0320 0050 0350 0060 0400 0075 0450 0080 0500 0100 0600 0125 0700 0150 0800 0160 0900 0200 1000 0250	= Standard T Tie rods L Smooth tie rods	= Standard NBR PU Polyurethane F Version -40° VS Only Rod Seals in FKM IS Stainless steel rod V All FKM seals W Water and chemical Version R Metal Scraper (NBR) IVR Corrosion resistant and chemical agents compatible

Ø mm	Stroke mm																							
	25	40	50	60	75	80	100	125	150	160	200	250	300	320	350	400	450	500	600	700	800	900	1000	
32	▲●	▲●	▲●	▲●	▲●	▲●	▲●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
40	▲●	▲●	▲●	▲●	▲●	▲●	▲●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
50	▲●	▲●	▲●	▲●	▲●	▲●	▲●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
63	▲●	▲●	▲●	▲●	▲●	▲●	▲●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
80	▲●	▲●	▲●	▲●	▲●	▲●	▲●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
100	▲●	▲●	▲●	▲●	▲●	▲●	▲●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
125	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Intermediate or higher strokes are available upon request. Maximum stroke 2700 mm.

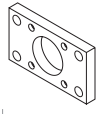
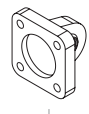
FIXING ELEMENTS AND ACCESSORIES - SERIES L

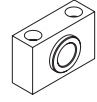
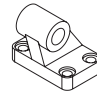
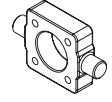
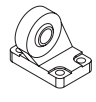
Ø	FLANGES FOR OPPOSITE CYLINDER		PISTON ROD		PIN WITH SEEGER			INTERMEDIATE HINGE FOR SMOOTH TIE RODS	
									
	Aluminium	Aluminium	Aluminium	Aluminium	Steel	Stainless steel	Steel	Steel	Steel
	Aignep	Univer	Aignep	Univer	Aignep	Aignep	Univer	Aignep	Univer
32	VFT 032	-	-	L1-N03212	VPE 032	VPEI 032	KF-18032	VCNL 032	-
40	VFT 040	-	-	L1-N04016	VPE 040	VPEI 040	KF-18040	VCNL 040	-
50	VFT 050	-	-	L1-N05020	VPE 050	VPEI 050	KF-18050	VCNL 050	-
63	VFT 063	-	-	L1-N06320	VPE 063	VPEI 063	KF-18063	VCNL 063	-
80	VFT 080	-	-	L1-N08025	VPE 080	VPEI 080	KF-18080	VCNL 080	-
100	VFT 100	-	-	L1-N10025	VPE 100	VPEI 100	KF-18100	VCNL 100	-
125	VFT 125	-	-	L1-N12532	VPE 125	VPEI 125	KF-18125	VCNL 125	-

Ø	NARROW FEMALE HINGE WITH PIN			ANGLE BRACKET			NARROW FEMALE HINGE WITH ALUMINIUM PIN AND BUSHINGS		
									
	Aluminium	Steel	Aluminium	Steel	Stainless steel	Steel	Aluminium	Stainless steel	Aluminium
	Aignep	Aignep	Univer	Aignep	Aignep	Univer	Aignep	Aignep	Univer
32	VCH 032	VCHZ 032 NE	KF-10032	VCP 032	VCPI 032	KF-13032	VCF 032	VCFI 032	-
40	VCH 040	VCHZ 040 NE	KF-10040	VCP 040	VCPI 040	KF-13040	VCF 040	VCFI 040	-
50	VCH 050	VCHZ 050 NE	KF-10050	VCP 050	VCPI 050	KF-13050	VCF 050	VCFI 050	-
63	VCH 063	VCHZ 063 NE	KF-10063	VCP 063	VCPI 063	KF-13063	VCF 063	VCFI 063	-
80	VCH 080	VCHZ 080 NE	KF-10080	VCP 080	VCPI 080	KF-13080	VCF 080	VCFI 080	-
100	VCH 100	VCHZ 100 NE	KF-10100	VCP 100	VCPI 100	KF-13100	VCF 100	VCFI 100	-
125	VCH 125	VCHZ 125 NE	KF-10125	VCP 125	VCPI 125	KF-13125	VCF 125	VCFI 125	-

Ø	INTERMEDIATE HINGE FOR THREADED TIE RODS		90° COUNTER-CLEVIS BRACKET		FLANGES FOR OPPOSED CYLINDERS	
						
	Steel	Steel	Aluminium	Aluminium	Aluminium	Aluminium
	Aignep	Univer	Aignep	Univer	Aignep	Univer
32	VCNT 032	-	-	KF-19032	-	KF-36032
40	VCNT 040	-	-	KF-19040	-	KF-36040
50	VCNT 050	-	-	KF-19050	-	KF-36050
63	VCNT 063	-	-	KF-19063	-	KF-36063
80	VCNT 080	-	-	KF-19080	-	KF-36080
100	VCNT 100	-	-	KF-19100	-	KF-36100
125	VCNT 125	-	-	-	-	KF-36125

FIXING ELEMENTS AND ACCESSORIES - SERIES L

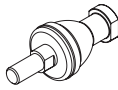
Ø	ANTI-ROTATION PIN FOR NARROW FEMALE HINGE WITH PIN NARROW VCD			FLANGE			CLEVIS BRACKET, MALE, NARROW WITH SWIVEL HEAD DIN648K				NARROW MALE			
														
	Steel	Stainless steel	Steel	Steel	Stainless steel	Steel	Aluminium	Stainless steel	Steel	Aluminium	Aluminium	Stainless steel	Steel	Aluminium
	Aignep	Aignep	Univer	Aignep	Aignep	Univer	Aignep	Aignep	Aignep	Univer	Aignep	Aignep	Aignep	Univer
32	VPS 032	VPSI 032	-	VFL 032	VFLI 032	KF-12032	VCS 032	VCSI 032	VCSZ 032 NE	KF-11032S	VCM 032	VCMI 032	VCMZ 032 NE	KF-11032
40	VPS 040	VPSI 040	KF-18040S	VFL 040	VFLI 040	KF-12040	VCS 040	VCSI 040	VCSZ 040 NE	KF-11040S	VCM 040	VCMI 040	VCMZ 040 NE	KF-11040
50	VPS 050	VPSI 050	KF-18050S	VFL 050	VFLI 050	KF-12050	VCS 050	VCSI 050	VCSZ 050 NE	KF-11050S	VCM 050	VCMI 050	VCMZ 050 NE	KF-11050
63	VPS 063	VPSI 063	KF-18063S	VFL 063	VFLI 063	KF-12063	VCS 063	VCSI 063	VCSZ 063 NE	KF-11063S	VCM 063	VCMI 063	VCMZ 063 NE	KF-11063
80	VPS 080	VPSI 080	KF-18080S	VFL 080	VFLI 080	KF-12080	VCS 080	VCSI 080	VCSZ 080 NE	KF-11080S	VCM 080	VCMI 080	VCMZ 080 NE	KF-11080
100	VPS 100	VPSI 100	KF-18100S	VFL 100	VFLI 100	KF-12100	VCS 100	VCSI 100	VCSZ 100 NE	KF-11100S	VCM 100	VCMI 100	VCMZ 100 NE	KF-11100
125	VPS 125	VPSI 125	KF-18125S	VFL 125	-	KF-12125	VCS 125	VCSI 125	VCSZ 125 NE	KF-11125S	VCM 125	VCMI 125	VCMZ 125 NE	KF-11125

Ø	SUPPORT FOR CLEVIS BRACKET		ANGLE JOINT			FRONT NARROW - REAR NARROW		SQUARE JOINT WITH DIN648K ARTICULATED HEAD	
									
	Steel	Steel	Aluminium	Stainless steel	Aluminium	Steel	Steel	Steel	Steel
	Aignep	Univer	Aignep	Aignep	Univer	Aignep	Univer	Aignep	Univer
32	VSI 032	KF-41032	VAS 032	VASI 032	KF-19032SCTA	VCNF 032	KF-14032AP	VADZ 032 NE	KF-19032SC
40	VSI 040	KF-41040050	VAS 040	VASI 040	KF-19040SCTA	VCNF 040	KF-14040AP	VADZ 040 NE	KF-19040SC
50	VSI 040	KF-41040050	VAS 050	VASI 050	KF-19050SCTA	VCNF 050	KF-14050AP	VADZ 050 NE	KF-19050SC
63	VSI 063	KF-41063080	VAS 063	VASI 063	KF-19063SCTA	VCNF 063	KF-14063AP	VADZ 063 NE	KF-19063SC
80	VSI 063	KF-41063080	VAS 080	VASI 080	KF-19080SCTA	VCNF 080	KF-14080AP	VADZ 080 NE	KF-19080SC
100	VSI 100	KF-41100125	VAS 100	VASI 100	KF-19100SCTA	VCNF 100	KF-14100AP	VADZ 100 NE	KF-19100SC
125	VSI 100	KF-41100125	VAS 125	VASI 125	KF-19125SCTA	VCNF 125	KF-140125AP	VADZ 125 NE	KF-19125SC

Ø	L - INTERMEDIATE NARROW		WIDE ANGLE BRACKET		WIRE GUIDE CABLE CLAMP FOR DF SENSOR	
						
	Steel	Steel	Steel	Steel	Aignep	Univer
	Aignep	Univer	Aignep	Univer	Aignep	Univer
32	LCN 032	-	VCB 032 NE	-	-	DF-001
40	LCN 040	-	VCB 040 NE	-	-	
50	LCN 050	-	VCB 050 NE	-	-	
63	LCN 063	-	VCB 063 NE	-	-	
80	LCN 080	-	VCB 080 NE	-	-	
100	LCN 100	-	VCB 100 NE	-	-	
125	LCN 125	-	-	-	-	

FIXING ELEMENTS AND ACCESSORIES - SERIES L

Ø	NARROW PISTON ROD FOR ANGLE JOINT WITH DIN648K SWIVEL HEAD			DHF COVER STRIP		SENSOR BRACKET DSL - DSH - DT - DF	
							
	Aluminium	Steel	Aluminium	PVC	PVC		
	Aignep	Aignep	Univer	Aignep	Univer	Aignep	Univer
32	VCD 032	VCDZ 032 NE	KF-10032S	-	DHF-0020100	EXF032	-
40	VCD 040	VCDZ 040 NE	KF-10040S	-		EXF032	-
50	VCD 050	VCDZ 050 NE	KF-10050S	-		EXF050	-
63	VCD 063	VCDZ 063 NE	KF-10063S	-		EXF050	-
80	VCD 080	VCDZ 080 NE	KF-10080S	-		EXF080	-
100	VCD 100	VCDZ 100 NE	KF-10100S	-		EXF080	-
125	VCD 125	VCDZ 125 NE	KF-10125S	-		EXF080	-

Ø	Ø	ROD ENDS SELF-LUBRICATING			AXIAL JOINT		NUT FOR RODS		YOKE WITH LOCABLE PIN		
											
		Steel	Stainless steel	Steel	Steel	Steel	Steel	Steel	Steel	Stainless steel	Steel
		Aignep	Aignep	Univer	Aignep	Univer	Aignep	Univer	Aignep	Aignep	Univer
M10 x 1,25	32	TF 025	TFI 025	KF-17032	TS 025	KF-22025	ODA00 00 51 C9 ZI	KF - 16032	FC 025	FCI 025	KF-15032
M12 x 1,25	40	TF 040	TFI 040	KF-17040	TS 040	KF-22040	ODA00 00 51 D5 ZI	KF - 16040	FC 040	FCI 040	KF-15040
M16 x 1,5	50 - 63	TF 050	TFI 050	KF-17050	TS 050	KF-22050	ODA00 00 51 E3 ZI	KF - 16050	FC 050	FCI 050	KF-15050
M20 x 1,5	80 - 100	TF 080	TFI 080	KF-17080	TS 080	KF-22080	ODA00 00 51 F2 ZI	KF - 16080	FC 080	FCI 080	KF-15080
M27 x 2	125	TF 125	TFI 125/30	KF-17125	-	-	ODA00 00 51 G8 ZI	KF - 16125	FC 125	FCI 125	KF-15125

Ø	Ø	ROD ENDS SELF-LUBRICATING		SELF-ALIGNING JOINT	
					
		Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel
		Aignep	Univer	Aignep	Univer
M10 x 1,25	32	-	KF-23025	-	KF-24032
M12 x 1,25	40	-	KF-23040	-	KF-24040
M16 x 1,5	50 - 63	-	KF-23050	-	KF-24050
M20 x 1,5	80 - 100	-	KF-23080	-	KF-24080