

Baureihe XG

ISO 15552, doppeltwirkend

Technische Merkmale der Baureihe

Arbeitsdruck	1 ... 10 bar
Temperaturbereich	-20°C ... +80°C (XGH: -10°C...+150°C)
max. Hub	2.500 mm
Medium	Gefilterte, ölfreie und getrocknete Druckluft nach ISO 8573-1:2010, Klasse 7:2:4 - frei von aggressiven Bestandteilen. Abweichend davon muss der Drucktaupunkt mindestens 10°C unter der tiefsten auftretenden Umgebungstemperatur sein.
Werkstoffe	Zylinderrohr: Aluminium, lackiert Zylinderköpfe: Al-Druckguß, lackiert Kolbenstange: Stahl, hartverchromt (optional 1.4301) Dichtungen: PU, NBR (optional FKM)

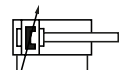


Ausführungen nach 2014/34/EU (ATEX) lieferbar. (Kap. 13)

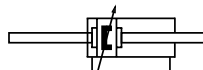


Doppeltwirkender Pneumatikzylinder, beidseitig mit einstellbarer, pneumatischer Endlagendämpfung. Mit Positionserkennung zur berührungslosen Stellsabfrage mit Zylinderschaltern. Sonderhublängen sind auf Wunsch lieferbar.

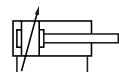
Ausführungen



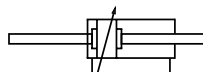
050, 054, 000, 004
doppeltwirkend, beidseitig einstellbare, pneumatische Endlagendämpfung, Positionserkennung



450, 454, 400, 404
doppeltwirkend, durchgehende Kolbenstange, beidseitig einstellbare, pneumatische Endlagendämpfung, Positionserkennung



152, 102
doppeltwirkend, beidseitig einstellbare, pneumatische Endlagendämpfung



552, 502
doppeltwirkend, durchgehende Kolbenstange, beidseitig einstellbare, pneumatische Endlagendämpfung

Bestellschlüssel

Baureihe, Ausführung		Optionen	
XG	Standard	ATEX	Ausführung nach 2014/34/EU (ATEX)
XGH	Hochtemperaturausführung ²	XXX	Abstand XV in mm bei Baureihe XGS
XGS	mit montierter Mittenbefestigung		
Kolben-Ø		Ausführungen	
160	160 mm	050	Standardausführung
200	200 mm	450	
250	250 mm	000	Kolbenstange aus Edelstahl ³
320	320 mm	400	
		054	Kolbenstangendichtung FKM ²
		454	
		004	Kolbenstange aus Edelstahl, Kolbenstangendichtung FKM ²
		404	
		152	Hochtemperaturausführung (ohne Positionserkennung) ²
		552	
		102	Hochtemperaturausführung, Kolbenstange aus Edelstahl (ohne Positionserkennung) ²
		502	
		Hub (mm)	
		XXXX	max. 2.500 mm*

Nicht alle möglichen Kombinationen des Bestellschlüssels sind sinnvoll und umsetzbar.

* Bei großen Hublängen ist die maximale Knickbelastung der Kolbenstange zu beachten.

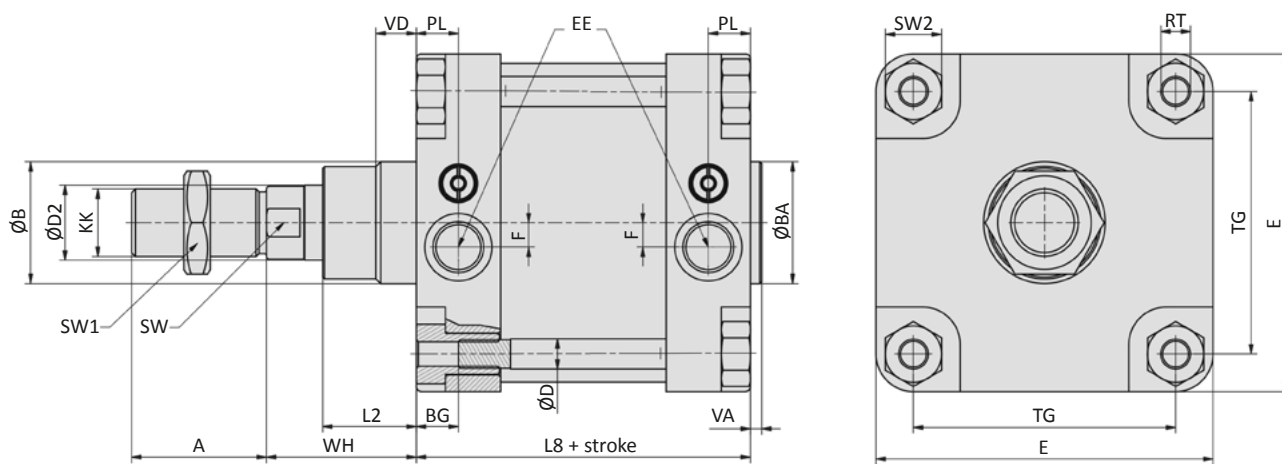
² nur für Ø 160 und Ø 200 verfügbar

³ nur für Ø 160 bis Ø 250 verfügbar

Technical data

Model-no.:	XG-160-...	XG-200-...	XG-250-...	XG-320-...
Piston Ø (mm)	160	200	250	320
Force at 6 bar (N)	10852	16956	26494	43407
Extension	10174	16278	25434	41725
Retraction				
Connection	G3/4	G3/4	G1	G1
Piston rod thread	M36 x 2	M36 x 2	M42 x 2	M48 x 2
Cushioning length (mm)	50	50	60	65

Dimensions series XG



Piston Ø	A	Ø B	Ø BA	BG	Ø D	Ø D2	E	EE	F	KK	L2
160	72	65	65	22.5	16	40	180	G3/4	13	M36 x 2	50
200	72	75	75	22.5	16	40	220	G3/4	13	M36 x 2	55
250	84	90	90	25	20	50	268	G1	15	M42 x 2	67
320	96	110	110	28	25	63	340	G1	0	M48 x 2	82

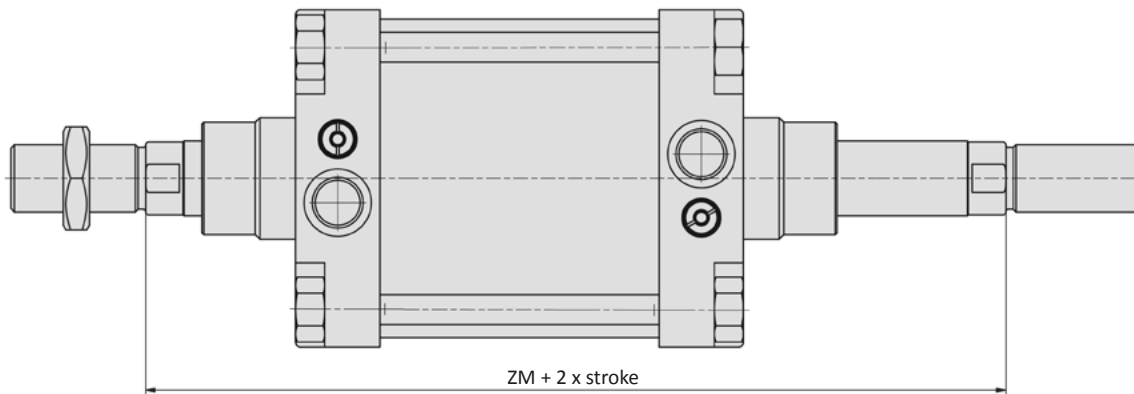
Piston Ø	L8	PL	RT	SW	SW1	SW2	TG	VA	VD	WH
160	179.5	22.5	M16	36	55	30	140	6	21.5	80
200	180	22.5	M16	36	55	30	175	6	26.5	95
250	200	31	M20	46	65	36	220	10	20	105
320	220	31	M24	55	75	46	270	10	20	120

Piston Ø (mm)	160	200	250	320
Weight (kg)	15.0	20.0	28.5	48.4
0 mm stroke				
each 100 mm stroke	2.0	2.5	3.8	6.2

Series XG

ISO 15552, double acting

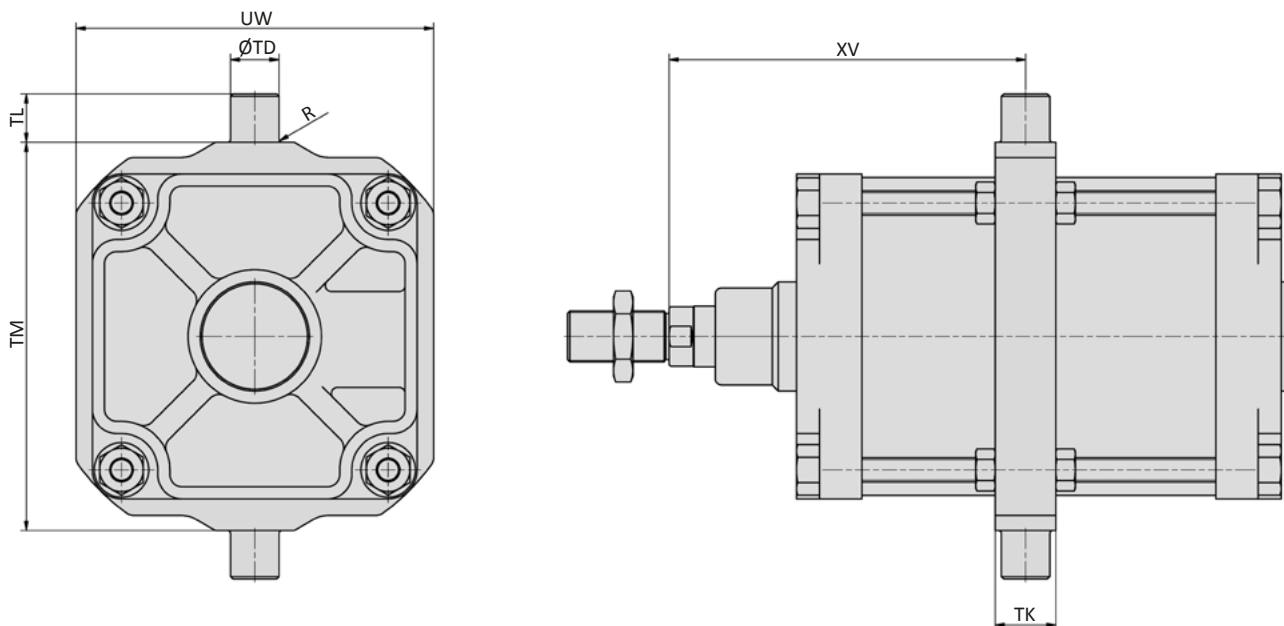
Dimensions series XG (addition at double end piston rod)



Piston Ø (mm)	160	200	250	320
ZM	340	370	410	460

Piston Ø (mm)	160	200	250	320
Weight (kg) 0 mm stroke	16.9	22.5	32.3	54.8
each 100 mm stroke	3.3	3.5	4.0	6.4

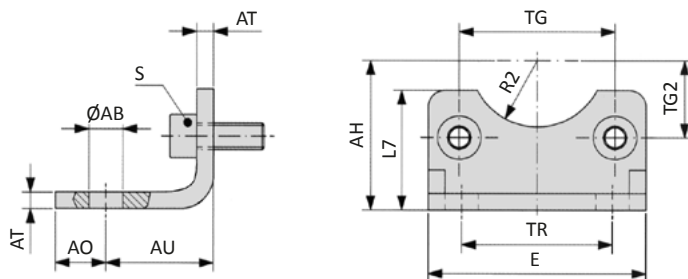
Dimensions series XGS (addition at mounted trunnion mount)



Piston Ø	R	Ø TD	TK	TL	TM	UW	XV _{min}
160	2.5	32	40	32	200	190	153
200	2.5	32	40	32	250	240	168
250	2.5	40	50	40	320	295	200
320	2.5	50	70	50	400	370	231

Piston Ø (mm)	160	200	250	320
Weight (kg) 0 mm stroke	19.2	27.3	41.0	72.6
each 100 mm stroke	2.0	2.5	3.8	6.2

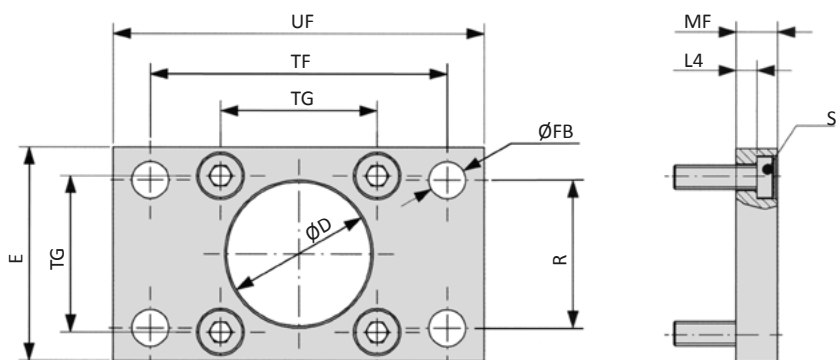
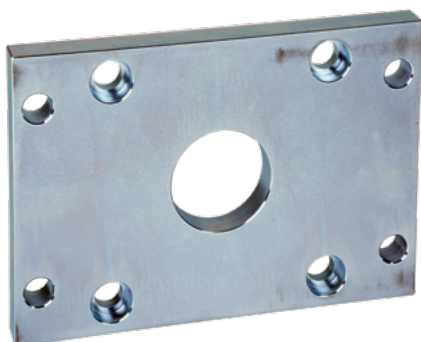
VLB-xxx-01 Foot mount



Model-no.:	Ø AB	AH	AO	AU	AT	E	L7	R2	S	TG	TG2	TR
VLB-160-01	18	115	15	60	9	180	100	32.5	M16 x 30	140	70	115
VLB-200-01	22	135	30	70	12	220	100	37.5	M16 x 30	175	87.7	135
VLB-250-01	26	165	25	75	14	270	150	45	M20 x 40	220	110	165
<i>tolerances and adjustments</i>	H14	JS16		± 0.2	± 1			H15		± 0.3		JS14

Material: steel, zinc plated; 2 x 2 screws in accordance with EN ISO 4762 are included.

VLB-xxx-02 Flange mount



Model-no.:	Ø D	E	Ø FB	L4	MF	R	S	TF	TG	UF
VLB-160-02	65	180	18	9.5	20	115	M16 x 30	230	140	260
VLB-200-02	75	220	22	12.5	25	135	M16 x 30	270	175	300
VLB-250-02	90	285	26	10.5	25	165	M20 x 30	330	220	400
VLB-320-02	110	350	33	15	30	200	M24 x 40	400	270	470
<i>tolerances and adjustments</i>	H11		H13	0 - 0.5	JS14	JS14		JS14	± 0.3	

Material: steel, zinc plated; 4 screws in accordance with DIN 7984 are included.

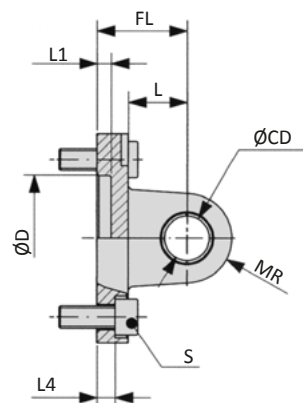
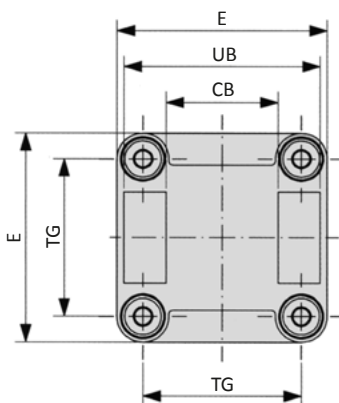
Series XG

Mounting accessories

VLB-xxx-04 Clevis mount with bushing



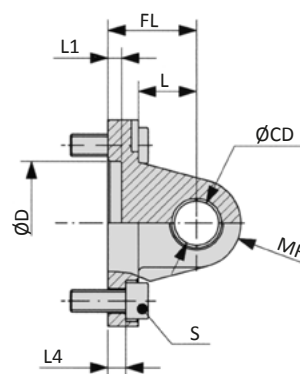
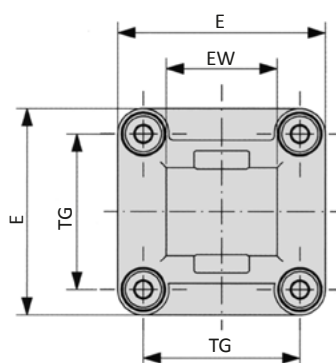
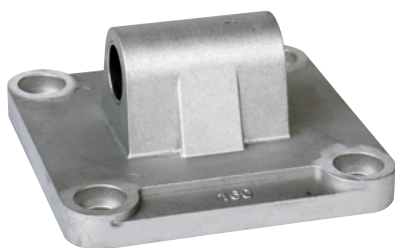
Inclusive clevis pin
order no: **VLB-xxx-48**



Model-no.:	CB	Ø CD	Ø D	E	FL	L	L1	L4	MR	S	TG	UB
VLB-160-04	90	30	65	180	55	35	7	10	25	M16 x 30	140	170
VLB-200-04	90	30	75	220	60	35	7	11	25	M16 x 30	175	170
VLB-250-04	110	40	90	270	70	45	-	11	40	M20 x 30	220	200
VLB-320-04	120	45	110	350	80	50	-	15	45	M24 x 40	270	220
<i>tolerances and adjustments</i>	H14	H9	H11		± 0.2			± 0.5			± 0.3	h13

Materials: Al, bushing steel and PTFE (Ø 250 and 320 without bushing); 4 screws in accordance with EN ISO 4762 are included.

VLB-xxx-05 Swivel mount



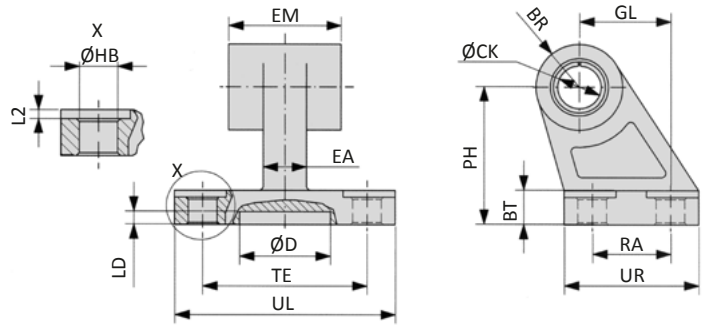
Model-no.:	Ø CD	Ø D	E	EW	FL	L	L1	L4	MR	S	TG
VLB-160-05	30	65	180	90	55	35	7	10	25	M16 x 30	140
VLB-200-05	30	75	220	90	60	35	7	11	25	M16 x 30	175
VLB-250-05	40	90	270	110	70	45	11	11	40	M20 x 30	220
VLB-320-05	45	110	350	120	80	50	15	15	45	M24 x 40	270
<i>tolerances and adjustments</i>	H9	H11		-0.5 -1.2	± 0.2			± 0.5			± 0.3

Materials: Al, bushing steel and PTFE; 4 screws in accordance with EN ISO 4762 are included.

Series XG

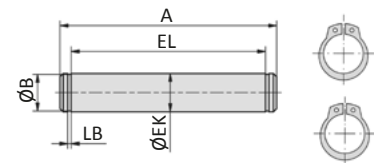
Mounting accessories

VLB-xxx-06 Swivel mount 90°



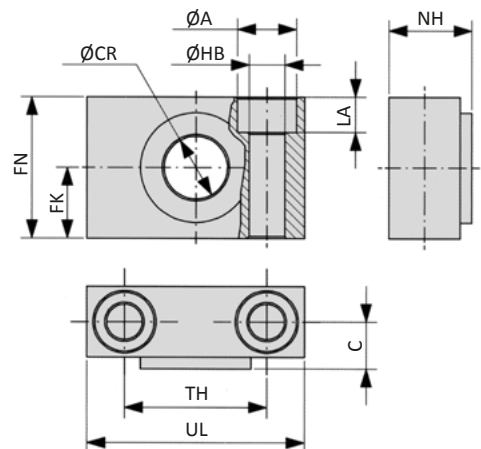
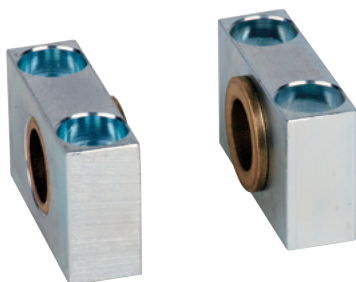
Model-no.:	BR	BT	Ø CK	Ø D	EA	EM	GL	Ø HB	L2	LD	PH	RA	TE	UL	UR
VLB-160-06	31.5	25	30	31	36	90	97	14	4	5	115	88	118	156	126
VLB-200-06	31.5	30	30	31	40	90	105	18	4	5	135	90	122	162	130
<i>tolerances and adjustments</i>			H9			-0.5 -1.5	JS14	H13			JS15	JS14	JS14		
Material: Al															

VLB-xxx-08 Clevis pin



Model-no.:	A	Ø B	Ø EK	EL	LB
VLB-200-08	178	28.6	30	171.5	1.60
VLB-250-08	211	37.5	40	202	1.85
VLB-320-08	234	42.5	45	222	1.85
<i>tolerances and adjustments</i>			e8	+3 0	
Material: steel, zinc plated; 2 snap rings are included.					

VLB-xxx-09 Bearing block

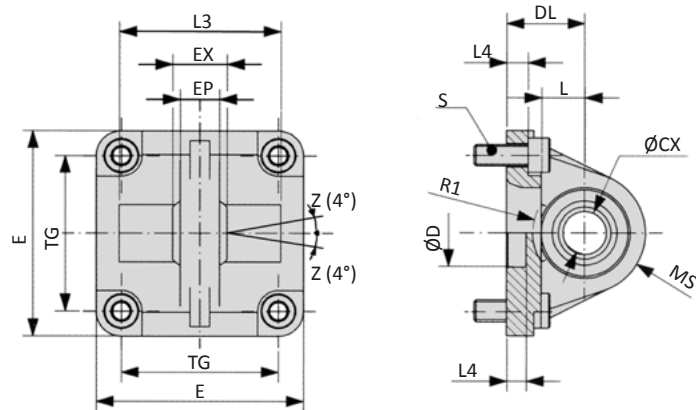
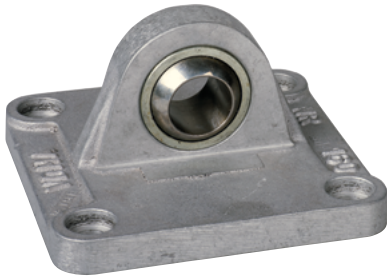


Model-no.:	Ø A	C	Ø CR	FK	FN	Ø HB	LA	NH	TH	UL
VLB-200-09	26	22.5	32	30	60	18	17	40	60	92
VLB-250-09	33	31	40	35	70	22	20	56	70	140
<i>tolerances and adjustments</i>			H9	± 0.2		H13			± 0.3	
Materials: Al, bronze bushing										

Series XG

Mounting accessories

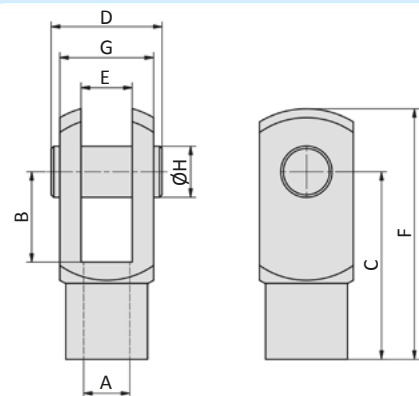
VLB-xxx-12 Swivel mount with spherical bearing



Model-no.:	Ø CX	Ø D	DL	E	EP	EX	L	L1	L3	L4	MS	R1	S	TG
VLB-160-12	35	65	55	180	28	43	35	7	-	10	45	-	M16 x 30	140
VLB-200-12	35	75	60	220	28	43	35	7	-	11	48	-	M16 x 30	175
<i>tolerances and adjustments</i>	H7	H11	± 0.2			± 0.1				± 0.5				± 0.3

Materials: Al, bearing steel, bronze bushing; 4 screws in accordance with EN ISO 4762 are included.

FD-xxx Rod clevis



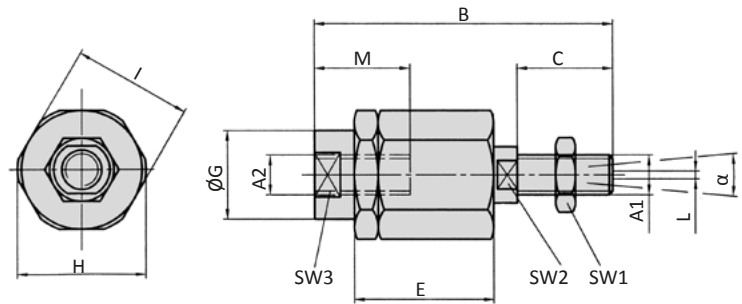
Model-no.:	for cylinder	A	B	C	D	E	F	G	H
FD-200	XG-160, XG-200	M36 x 2	72	144	84	35	188	70	35
FD-250	XG-250	M42 x 2	84	168	104.5	40	232	85	40
FD-320	XG-320	M48 x 2	96	192	117.5	50	265	96	50

Material: steel, zinc plated

Series XG

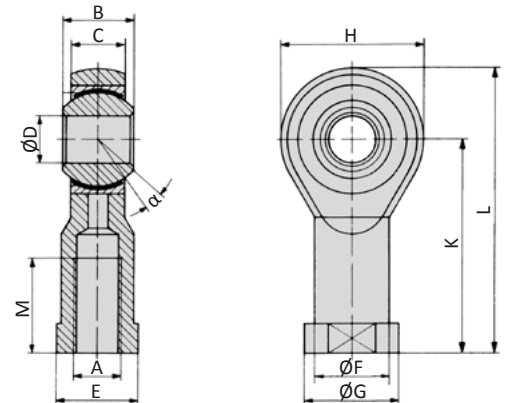
Mounting accessories

FK-xxx Flexible coupling



Model-no.:	for cylinder	A1, A2	B	C	D	E	ØG	H	I	L	M	SW1	SW2	SW3	α
FK-200	XG-160, XG-200	M36 x 2	190	72	15.5	77	57	75	70	2	68	32	54	55	8°
Material: steel, zinc plated															

FO-xxx Rod eye



Model-no.:	for cylinder	A	B	C	ØD	E	ØF	ØG	H	K	L	M	α
FO-160/200	XG-160, XG-200	M36 x 2	43	28	35	50	46	58	80	125	165	56	16°
FO-250	XG-250	M42 x 2	49	33	40	55	53	65	91	142	187	60	16°
FO-320	XG-320	M48 x 2	60	45	50	60	65	75	117	162	218	65	14°
Materials: steel, zinc plated, bearing steel, bronze bushing													

Proximity sensors

