

Series 61 cylinders - Aluminium profile

Single and double-acting, magnetic, cushioned
Standard, low friction, low temperatures and tandem versions
Ø 32, 40, 50, 63, 80, 100, 125 mm



Series 61 cylinders comply with the ISO 15552 standards and can be assembled with the entire range of standard accessories. A permanent magnet, mounted on the piston in these cylinders, enables information to be received regarding the piston position by means of proximity switches mounted in grooves along the cylinder profile. These grooves can be covered with a slot cover profile.

This cylinder series is equipped with adjustable end-stroke cushioning. Moreover, they are equipped with a mechanical cushioning in order to reduce the impact of the piston as it reaches the end of the stroke.

- » In compliance with ISO 15552 standards and with the previous DIN/ISO 6431 - VDMA 24562 standards
- » Rolled stainless steel rod
- » Clean design with adjustable pneumatic cushioning
- » Available special versions

TANDEM:

- » Double thrust and traction forces

LOW FRICTION:

- » Friction force reduced by over 40%

LOW TEMPERATURE:

- » Versions for -40°C and for -50°C

G VARIANT FOR DUSTY APPLICATIONS:

- » Highly resistant to dust, cement, resin, mud and wood residue

GENERAL DATA

Type of construction	with tie-rods (inside the profile)
Operation	double-acting, single-acting, tandem. Low friction version: double-acting only.
Design	ISO 15552
Materials	standard: AL end-blocks and piston, rolled stainless steel AISI 420B rod, anodized AL profile tube, zinc-plated steel tie-rods and tie-rod nuts, PU seals; low friction: standard materials with NBR piston seal and NBR rod seal (FKM rod seal on request) low temperature: standard materials with chrome plated stainless steel AISI 420B rod, brass rod scraper ring, stainless steel AISI 303 nuts, stainless steel AISI 420B tie-rods, PU piston seals and NBR rod seal
Type of mounting	with front / rear flange, foot mounting, with front / rear / centre / swivel trunnion
Stroke min - max	10 ÷ 2500 mm
Operating temperature	standard and low friction: 0°C ÷ 80°C (with dry air -20°C) low temperature (-40°C version): -40°C ÷ 60°C (with dry air -40°C) low temperature (-50°C version): -50°C ÷ 60°C (with dry air -50°C)
Operating pressure	1 ÷ 10 bar (standard and low temperature); 0,1 ÷ 10 bar (low friction)
Speed	10 ÷ 1000 mm/sec, no load (standard and low temperature); 5 ÷ 1000 mm/sec, no load (low friction)
Fluid	filtered air, without lubrication. For standard versions only: if lubricated air is used, it is recommended to use oil ISOVG32. Once applied the lubrication should never be interrupted.

STANDARD STROKES FOR CYLINDERS SERIES 61

■ = Single-acting (standard and low temperature) ✕ = Double-acting (standard, low friction and low temperature)
Other strokes up to 2500 mm are available on request.

STANDARD STROKES														
Ø	25	50	75	80	100	125	150	160	200	250	300	320	400	500
32	■ ✕	■ ✕	■ ✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕
40	■ ✕	■ ✕	■ ✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕
50	■ ✕	■ ✕	■ ✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕
63	■ ✕	■ ✕	■ ✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕
80	■ ✕	■ ✕	■ ✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕
100		■ ✕	■ ✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕
125		✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕

CODING EXAMPLE

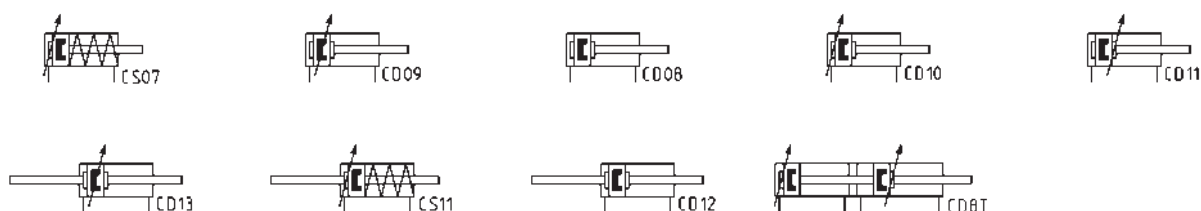
61	M	2	P	050	A	0200	
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61	SERIES
M	VERSION M = standard, magnetic L = low friction, magnetic
2	OPERATION 1 = single-acting, front spring (ø 32 ± ø 100) 2 = double-acting, front and rear cushioned 3 = double-acting, no cushion 4 = double-acting, rear cushioned 5 = double-acting, front cushioned 6 = double-acting, through-rod, front and rear cushioned 7 = single-acting, through-rod 8 = double-acting, through-rod, no cushion PNEUMATIC SYMBOLS CS07 CD09 CD08 CD10 CD11 CD13 CS11 CD12
P	MATERIALS P = see the GENERAL DATA table on the previous page R = stainless steel AISI 420B tie-rods, stainless steel AISI 303 tie-rod nuts, other materials (see the previous page) C = rolled stainless steel AISI 303 piston rod, stainless steel AISI 304 piston rod nut U = rolled stainless steel AISI 303 piston rod, AISI 304 piston-rod nut, AISI 420B tie-rods, AISI 303 tie-rod nuts W = rolled stainless steel AISI 304 piston rod, AISI 304 piston-rod nut, AISI 420B tie-rods, AISI 303 tie-rod nuts Z = chrome plated stainless steel AISI 420B rod, stainless steel AISI 304 rod nut, stainless steel AISI 420B tie-rods, stainless steel AISI 303 tie-rod nuts, seals for low temperature (-40°C), brass rod scraper Y = chrome plated stainless steel AISI 420B rod, stainless steel AISI 304 rod nut, stainless steel AISI 420B tie-rods, stainless steel AISI 303 tie-rod nuts, seals for low temperature (-50°C), brass rod scraper
050	BORE 032 = 32 mm - 040 = 40 mm - 050 = 50 mm - 063 = 63 mm - 080 = 80 mm - 100 = 100 mm - 125 = 125 mm
A	CONSTRUCTION A = standard with rod nut - RL = cylinder with rod lock
0200	STROKE (see the table) = standard V = FKM rod seal N = tandem (pneumatic symbol: CD8T) R = NBR rod seal W = all FKM seals +130°C C = PU coated cylinder. Colour: Grey* L = low friction version without rod seal (rear supply only)** (_ _ _) = extended piston rod _ _ _ mm G = with brass rod scraper (chrome plated stainless steel AISI 420B rod, NBR rod seal) * Version C: available on request. For further information, please contact our technical dept. ** The possibility to order the cylinder without piston rod seal, further reduces the friction force.

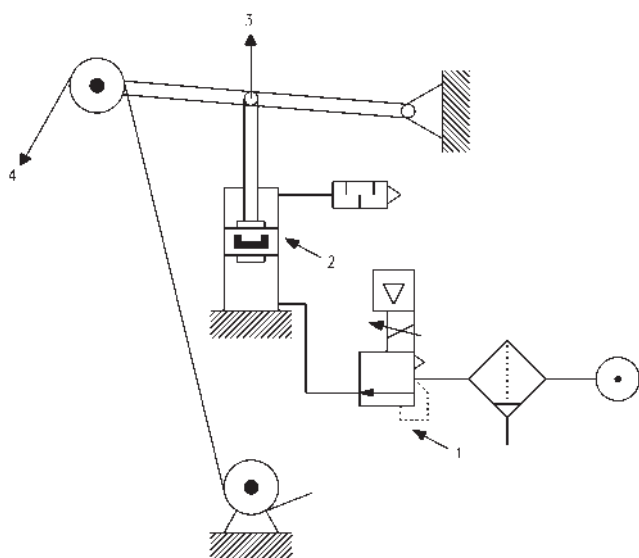
Note: all double-acting cylinders are also available in the low friction version.

PNEUMATIC SYMBOLS

The pneumatic symbols which have been indicated in the CODING EXAMPLE are shown below.



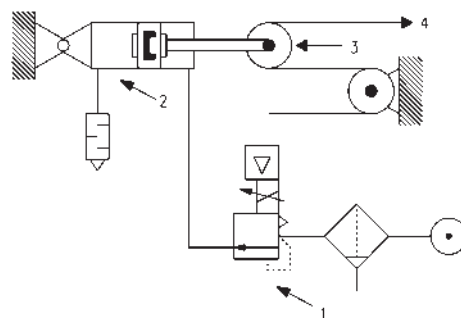
Series 61 low friction cylinders - APPLICATION EXAMPLES



CYLINDER IN THRUST

DRAWING NOTES:

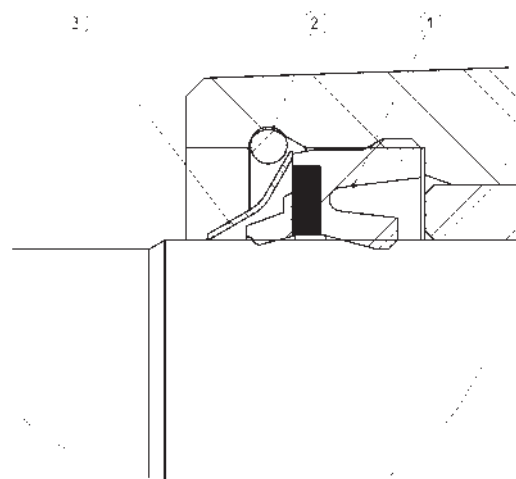
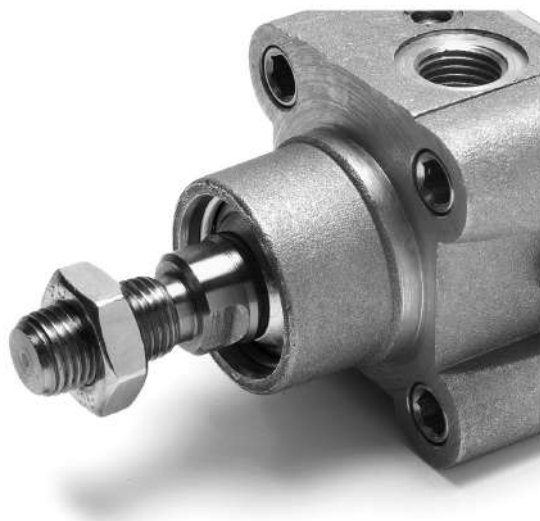
1. Precision pressure regulator or proportional regulator
2. Low friction cylinder
3. Force direction
4. Band



CYLINDER IN TRACTION

Note: in order to reach the highest performance, it is recommended to connect a precision pressure regulator or a proportional regulator with the low friction cylinder as shown in the drawing.

Series 61 low temperatures cylinders - DETAIL



- 1 = rod seal
- 2 = flexible ring
- 3 = metal scraper

CYLINDERS ACCESSORIES SERIES 61



Piston rod socket joint
Mod. GY



Piston rod lock nut
Mod. U



Clevis pin Mod. S



Rear trunnion ball-joint
Mod. R



Coupling piece
Mod. GKF



Swivel ball joint Mod. GA



90° male trunnion
Mod. ZC



Swivel Combination
Mod. C+L+S



Front and rear flange Mod.
D-E



Self aligning rod
Mod. GK



Centre trunnion Mod. F



Foot mount Mod. B



Front female trunnion
Mod. H and C-H



Rear female trunnion
Mod. C and C-H



Rod fork end Mod. G



Rear trunnion male
Mod. L



Key to disassemble
cylinders Ø 80 and 100



Counter bracket for
centre trunnion Mod. BF



Accessory to mount valves
on the cylinder



All accessories are supplied separately, except for piston rod lock nut Mod. U

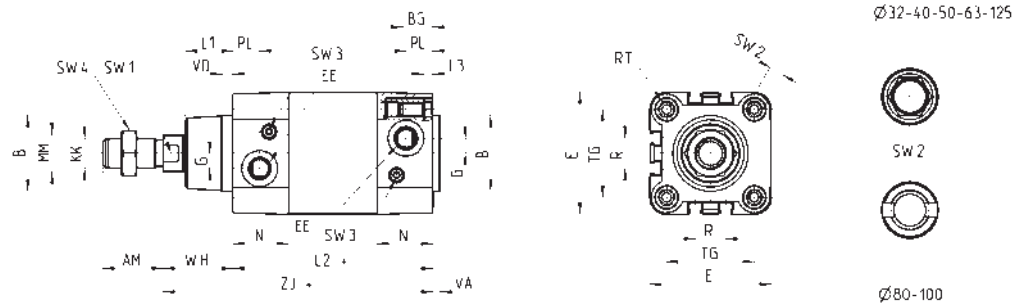
Cylinders Series 61

N.B. : the single-acting cylinders, sizes ZI and L2 are increased by 25 mm.



+ = add the stroke

Table note:
* = special key 80-62/8C
(see accessories)



DIMENSIONS																										
Ø	ØMM	KK	ØB	PL	L1	AM	VA	EE	WH	L2+	L3	ZI+	VD	N	R	BG	RT	G	TG	E	SW1	SW2	SW3	SW4	front/rear cushion stroke	
32	12	M10x1,25	30	14	18	22	4	G1/8	26	94	5	120	5	26	13	16	M6	5	32,5	46	10	6	2	17	17 / 12	
40	16	M12x1,25	35	15	21	24	4	G1/4	30	105	5	135	5	29	13,5	16	M6	5	38	55	13	6	2	19	20 / 17	
50	20	M16x1,5	40	15	25	32	4	G1/4	37	106	5	143	6	29,5	16	16	M8	8	46,5	64,5	17	8	3	24	15 / 14	
63	20	M16x1,5	45	21	26	32	4	G3/8	37	121	5	158	6	36,5	28	16	M8	8	56,5	75	17	8	3	24	17 / 16	
80	25	M20x1,5	45	21	30	40	4	G3/8	46	128	0	174	7	36	30	19	M10	8	72	93	22	*	5	30	20 / 20	
100	25	M20x1,5	55	23	35	40	4	G1/2	51	138	0	189	7	38,5	40	19,5	M10	8	89	110	22	*	5	30	21 / 19	
125	32	M27x2	60	23,5	42	54	6	G1/2	65	160	0	225	8	43	50	23	M12	10,5	110	135	27	12	4	41	26 / 25	

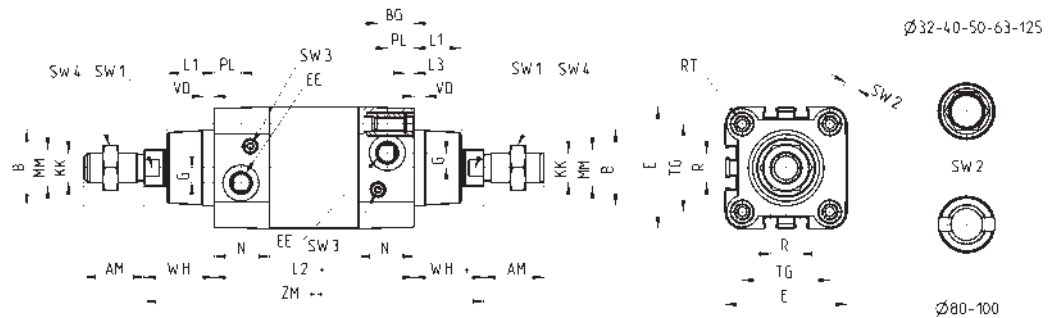
Cylinders Series 61 - through-rod

Note: the single-acting cylinders sizes ZM and L2 are increased by 25 mm.



+ = add the stroke once
++ = add the stroke twice

Table note:
* = special key 80-62/8C
(see accessories)



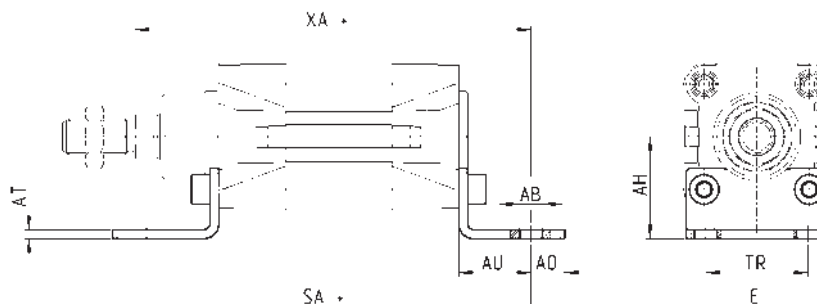
through-rod																								
Ø	ØMM	KK	ØB	PL	L1	AM	EE	WH	L2+	L3	ZM++	VD	N	R	BG	RT	G	TG	E	SW1	SW2	SW3	SW4	Cushioning stroke
32	12	M10x1.25	30	14	18	22	G1/8	26	94	5	146	5	26	13	16	M6	5	32.5	46	10	6	2	17	17
40	16	M12x1.25	35	15	21	24	G1/4	30	105	5	165	5	29	13.5	16	M6	5	38	55	13	6	2	19	20
50	20	M16x1.5	40	15	25	32	G1/4	37	106	5	180	6	29.5	16	16	M8	8	46.5	64.5	17	8	3	24	15
63	20	M16x1.5	45	21	26	32	G3/8	37	121	5	195	6	36.5	28	16	M8	8	56.5	75	17	8	3	24	17
80	25	M20x1.5	45	21	30	40	G3/8	46	128	0	220	7	36	30	19	M10	8	72	93	22	*	5	30	20
100	25	M20x1.5	55	23	35	40	G1/2	51	138	0	240	7	38.5	40	19.5	M10	8	89	110	22	*	5	30	21
125	32	M27x2	60	23.5	42	54	G1/2	65	160	0	290	8	43	50	23	M12	10.5	110	135	27	12	4	41	26

Foot mount Mod. B

Material: zinc-plated steel



Supplied with:
2x feet
4x screws
+ = add the stroke



DIMENSIONS

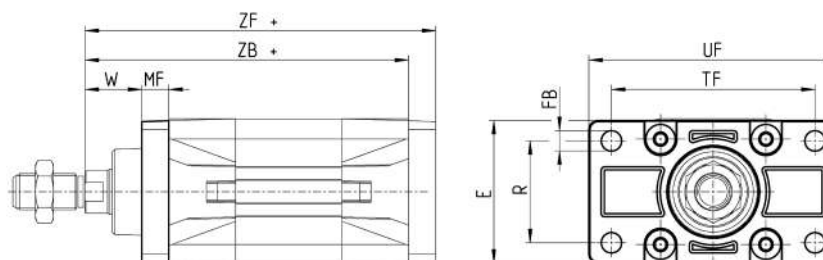
Mod.	Ø	AT	SA+	XA+	TR	E	AB	AH	AO	AU	torque force
B-41-32	32	4	142	144	32	45	7	32	11	24	5 Nm
B-41-40	40	4	161	163	36	53,5	10	36	15	28	5 Nm
B-41-50	50	4	170	175	45	62,5	10	45	15	32	10 Nm
B-41-63	63	5	185	190	50	73	10	50	15	32	10 Nm
B-41-80	80	6	210	216	63	92	12	63	20	41	15 Nm
B-41-100	100	6	220	230	75	108,5	14,5	71	25	41	15 Nm
B-41-125	125	7	250	270	90	132	16,5	90	25	45	20 Nm

Front and rear flange Mod. D-E

Material: Aluminium



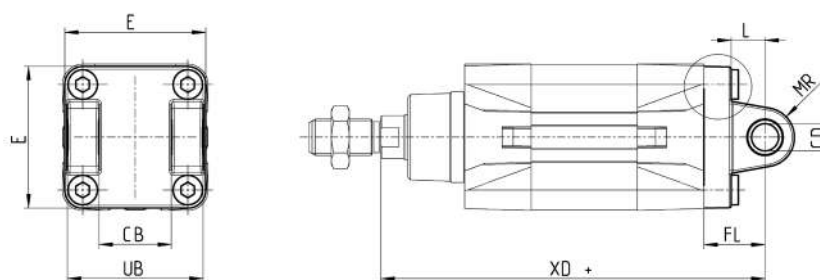
Supplied with:
1x flange
4x screws
+ = add the stroke



Mod.	Ø	W	MF	ZB	TF	R	UF	E	FB	ZF	torque force
D-E-41-32	32	16	10	120	64	32	80	45	7	130	5 Nm
D-E-41-40	40	20	10	135	72	36	90	52	9	145	5 Nm
D-E-41-50	50	25	12	143	90	45	110	65	9	155	10 Nm
D-E-41-63	63	25	12	158	100	50	120	75	9	170	10 Nm
D-E-41-80	80	30	16	174	126	63	150	95	12	190	15 Nm
D-E-41-100	100	35	16	189	150	75	170	115	14	205	15 Nm
D-E-41-125	125	45	20	225	180	90	220	140	16	245	20 Nm

Rear female trunnion Mod. C and C-H

Material: Aluminium



Supplied with:
1x female trunnion
4x screws

+ = add the stroke

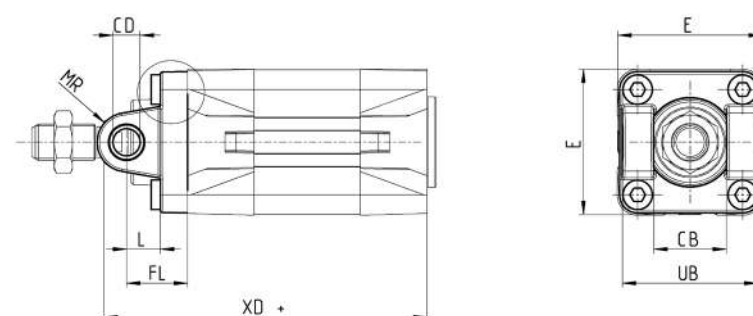
Ø 32



Mod.	Ø	CD	L	FL	XD	MR	E	CB	UB	torque force
C-41-32	32	10	12.5	22	142	10	47	26	46.5	5 Nm
C-41-40	40	12	16	25	160	12	52	28	52	5 Nm
C-41-50	50	12	16	27	170	12	64	32	60	10 Nm
C-H-41-63	63	16	21	32	190	16	74	40	70	10 Nm
C-H-41-80	80	16	22	36	210	16	94	50	90	15 Nm
C-H-41-100	100	20	27	41	230	20	114	60	110	15 Nm
C-H-41-125	125	25	30	50	275	25	140	70	130	20 Nm

Front female trunnion Mod. H and C-H

Material: Aluminium



Supplied with:
1x female trunnion
4x screws

+ = add the stroke

Ø 32



Mod.	Ø	CB	UB	E	XD+	FL	L	CD	MR	torque force
H-41-32	32	26	46.5	47	120	22	12.5	10	10	5 Nm
H-41-40	40	28	52	52	135	25	16	12	12	5 Nm
H-41-50	50	32	60	64	143	27	16	12	12	10 Nm
H-60-63	63	40	70	74	158	32	21	16	16	10 Nm
C-H-41-80	80	50	90	94	174	36	22	16	16	15 Nm
C-H-41-100	100	60	110	114	189	41	27	20	20	15 Nm
C-H-41-125	125	70	130	140	225	50	30	25	25	20 Nm

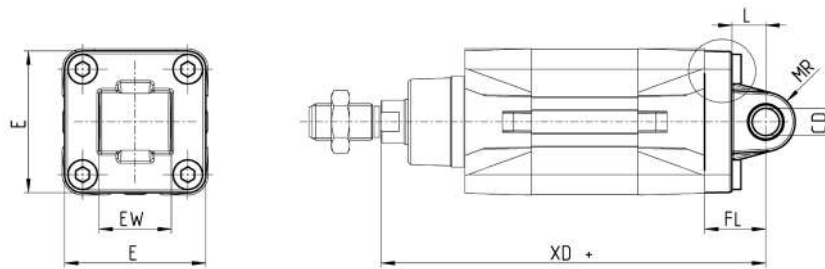
Rear male trunnion Mod. L

Material: Aluminium



Supplied with:
1x male trunnion
4x screws

+ = add the stroke



Ø 32



DIMENSIONS									
Mod.	Ø	CD	L	FL	XD	MR	E	EW	torque force
L-41-32	32	10	12.5	22	142	10	47	26	5 Nm
L-41-40	40	12	16	25	160	12	52	28	5 Nm
L-41-50	50	12	16	27	170	12	64	32	10 Nm
L-41-63	63	16	21	32	190	15.5	74	40	10 Nm
L-41-80	80	16	22	36	210	16	94	50	15 Nm
L-41-100	100	20	27	41	230	20	114	60	15 Nm
L-41-125	125	25	30	50	275	25	140	70	20 Nm

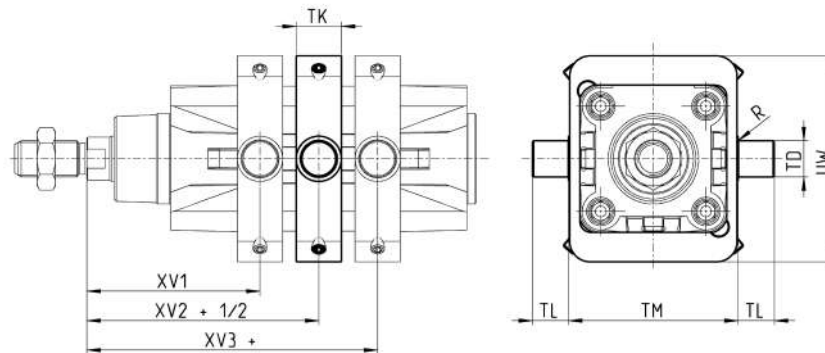
Centre trunnion Mod. F

Material: zinc-plated steel



Supplied with:
1x centre trunnion
4x screws
4x fixing elements

+ = add the stroke

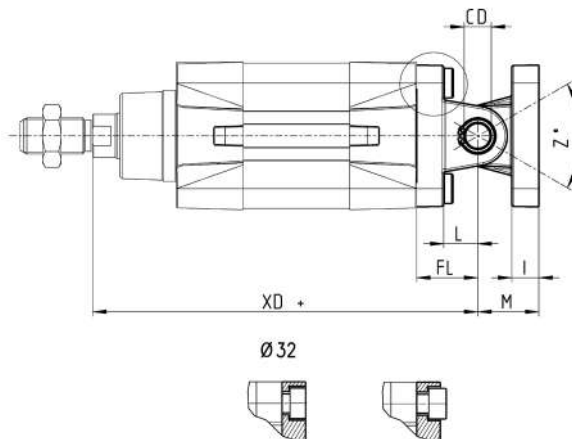
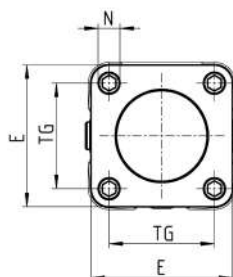


DIMENSIONS										
Mod.	Ø	XV1	XV2+	XV3+	TM	TK	TD	TL	UW	R
F-61-32	32	61	73	85	50	18	12	12	65	0,1
F-61-40	40	69	82,5	96	63	20	16	16	75	0,15
F-61-50	50	76,5	90	103,5	75	20	16	16	91	0,15
F-61-63	63	86	97,5	109	90	25	20	20	94	0,15
F-61-80	80	94,5	110	125,5	110	25	20	20	130	0,15
F-61-100	100	104,5	120	135,5	132	30	25	25	145	0,2
F-61-125	125	123	145	167	160	30	25	25	155	0,2

Accessory combination Mod. C+L+S



Material: aluminium



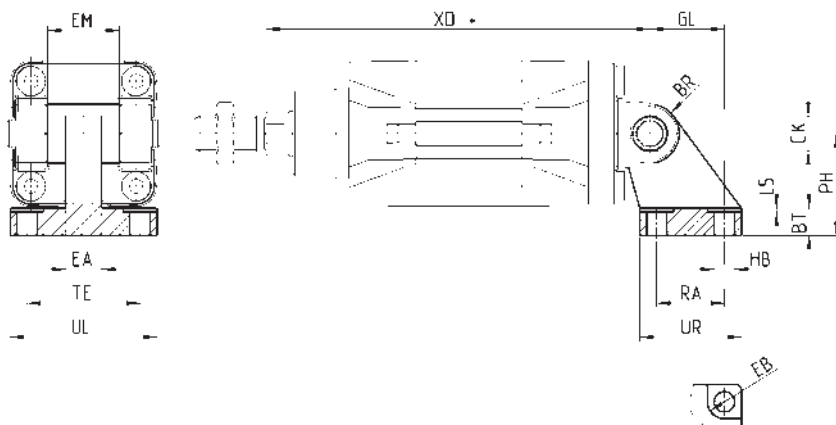
+ = add the stroke

DIMENSIONS												
Mod.	Ø	E	TG	$\varnothing$ N	XD+	$\varnothing$ CD	L	FL	I	M	Z° (max)	torque force
C+L+S	32	47	32.5	6.5	142	10	12.5	22	9.5	22	30	5 Nm
C+L+S	40	52	38	6.5	160	12	16	25	9	25	40	5 Nm
C+L+S	50	64	46.5	9	170	12	16	27	11	27	25	10 Nm
C+L+S	63	74	56.5	9	190	16	21	32	11	32	36	10 Nm
C+L+S	80	94	72	11	210	16	22	36	14	36	34	15 Nm
C+L+S	100	114	89	11	230	20	27	41	14	41	38	15 Nm
C+L+S	125	140	110	13	275	25	30	50	20	50	30	20 Nm

90° male trunnion Mod. ZC



CETOP RP 107P
Material: Aluminium



Supplied with:
1x male support

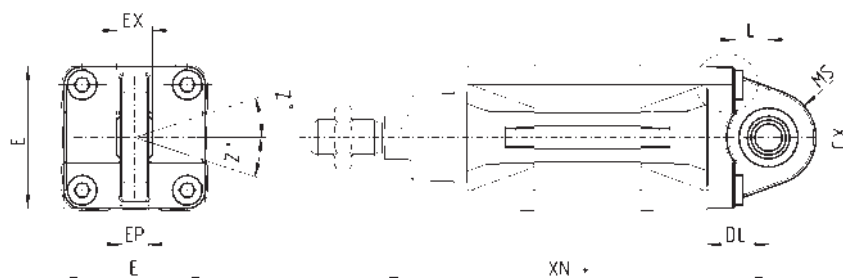
+ = add the stroke

DIMENSIONS																
Mod.	Ø	EB	CK	HB	XD+	TE	UL	EA	GL	L5	RA	EM	UR	PH	BT	BR
ZC-32	32	11	10	6,6	142	38	51	10	21	1,6	18	26	31	32	8	10
ZC-40	40	11	12	6,6	160	41	54	15	24	1,6	22	28	35	36	10	11
ZC-50	50	15	12	9	170	50	65	16	33	1,6	30	32	45	45	12	13
ZC-63	63	15	16	9	190	52	67	16	37	1,6	35	40	50	50	14	15
ZC-80	80	18	16	11	210	66	86	20	47	2,5	40	50	60	63	14	15
ZC-100	100	18	20	11	230	76	96	20	55	2,5	50	60	70	71	17	19
ZC-125	125	20	25	14	275	94	124	30	70	3,2	60	70	90	90	20	22,5

Trunnion ball-joint Mod. R*



* This trunnion doesn't comply with the ISO 15552 standard
Material: Aluminium



Supplied with:
1x trunnion ball joint
4x screws

+ = add the stroke

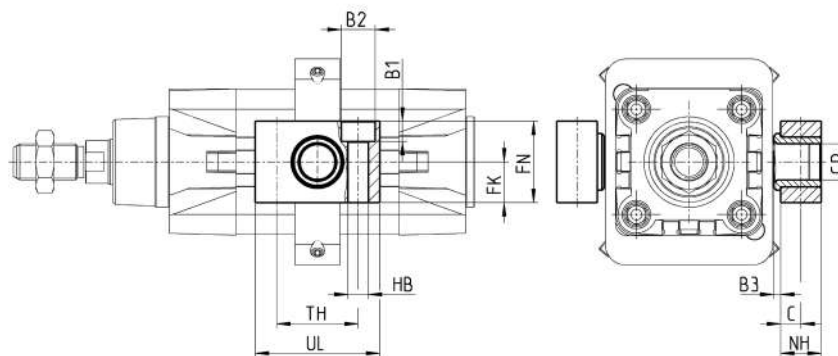
Ø R-41-50/80/125



Mod.	Ø	øCX	L	DL+	XN+	MS	E	EX	EP	Z	torque force
R-41-32	32	10	12	22	142	16	45	14	10.5	4	5 Nm
R-41-40	40	12	15	25	160	19	52	16	12	4	5 Nm
R-41-50*	50	12	15	27	170	21	62.5	16	12	4	10 Nm
R-50	50	16	16	27	170	21.5	65	21	15	4	10 Nm
R-41-63	63	16	20	32	190	24	75	21	15	4	10 Nm
R-41-80*	80	16	24	36	210	28	92	21	15	4	15 Nm
R-80	80	20	22	36	210	28.5	95	25	18	4	15 Nm
R-41-100	100	20	25	41	230	30	115	25	18	4	15 Nm
R-41-125	125	30	30	50	275	40	140	37	25	4	20 Nm

Counter bracket for centre trunnion Mod. BF

Material: Aluminium

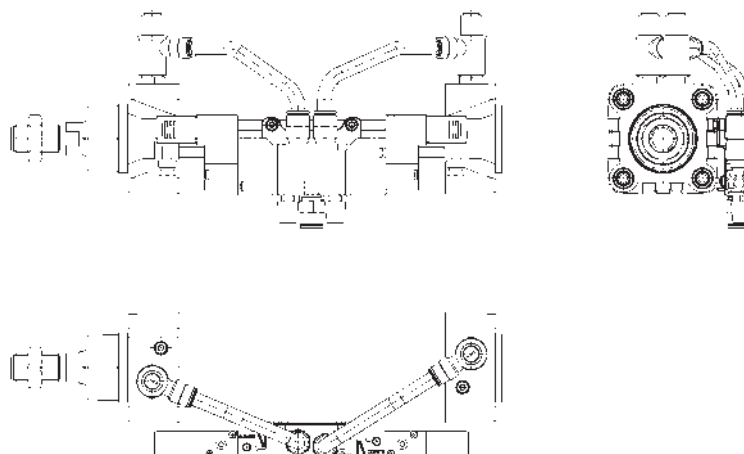


Supplied with:
2x supports

Mod.	Ø	øCR	NH	C	B3	TH	UL	FK	FN	B1	B2	HB
BF-32	32	12	15	7,5	3	32	46	15	30	6,8	11	6,6
BF-40-50	40 - 50	16	18	9	3	36	55	18	36	9	15	9
BF-63-80	63 - 80	20	20	10	3	42	65	20	40	11	18	11
BF-100-125	100 - 125	25	25	12,5	3,5	50	75	25	50	13	20	14

Accessory to mount valves on the cylinder

The mounting sub-base Mod. PCV enables the valve or solenoid valve to be mounted directly on the cylinder.

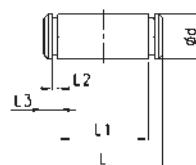


DIMENSIONS	
Mod.	
PCV-61-K3	to connect valves - solenoid valves Series 3
PCV-61-K4	to connect valves - solenoid valves Series 4 port G1/4
PCV-62-KEN	to connect valves - solenoid valves Series EN
PCV-61-K8	to connect valves - solenoid valves Series 4 port G1/8 and Series 3 port G1/4

Clevis pin Mod. S



Supplied with:
1x clevis pin in
stainless steel 303
2x Seeger in steel

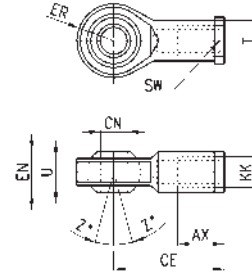


DIMENSIONS						
Mod.	Ø	d	L	L1	L2	L3
S-32	32	10	52	46	1,1	3
S-40	40	12	59	53	1,1	3
S-50	50	12	67	61	1,1	3
S-63	63	16	77	71	1,1	3
S-80	80	16	97	91	1,1	3
S-100	100	20	121	111	1,3	5
S-125	125	25	140,5	132	1,3	4,25

Swivel ball joint Mod. GA



ISO 8139.
Material: zinc-plated steel.

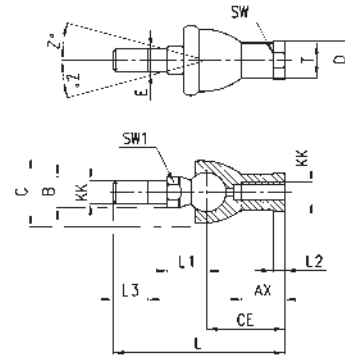


Mod.	$\varnothing$ CN ^(H7)	U	EN	ER	AX	CE	KK	$\varnothing$ T	Z	SW
GA-32	10	10,5	14	14	20	43	M10X1,25	15	6,5	17
GA-40	12	12	16	16	22	50	M12X1,25	17,5	6,5	19
GA-50-63	16	15	21	21	28	64	M16X1,5	22	7,5	22
GA-80-100	20	18	25	25	33	77	M20x1,5	27,5	7	30
GA-41-125	30	25	37	37	51	110	M27x2	40	7,5	41

Piston rod socket joint Mod. GY



Material: zama and zinc-plated steel.

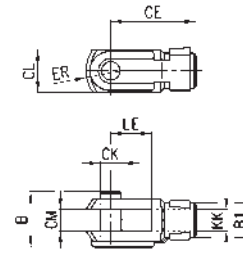


DIMENSIONS														
Mod.	$\varnothing$	KK	L	CE	L2	AX	SW	SW1	L1	L3	$\varnothing$ T	$\varnothing$ D	E	$\varnothing$ B
GY-32	32	M10X1,25	74	35	6,5	18	17	11	19,5	15	15	19	10	14
GY-40	40	M12X1,25	84	40	6,5	20	19	17	21	17	17,5	22	12	19
GY-50-63	50-63	M16X1,5	112	50	8	27	22	19	27,5	23	22	27	16	22
GY-80-100	80-100	M20x1,5	133	63	10	38	30	24	31,5	25	27,5	34	20	27

Rod fork end Mod. G



ISO 8140
Material: zinc-plated steel

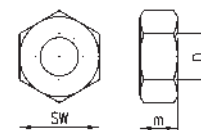


Mod.	$\varnothing$ CK	LE	CM	CL	ER	CE	KK	B	$\varnothing$ B1
G-25-32	10	20	10	20	12	40	M10 X 1,25	26	18
G-40	12	24	12	24	14	48	M12 X 1,25	32	20
G-50-63	16	32	16	32	19	64	M16 X 1,5	40	26
G-80-100	20	40	20	40	25	80	M20 X 1,5	48	34
G-41-125	30	54	30	55	38	110	M27 X 2	74	48

Piston rod lock nut Mod. U



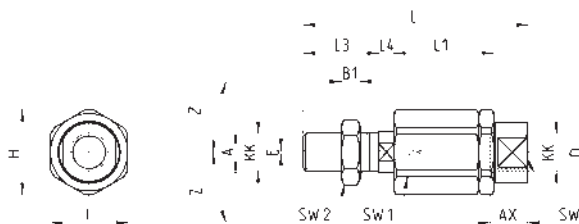
ISO 4035
Material: zinc-plated steel.



Mod.	D	m	SW
U-25-32	M10X1,25	6	17
U-40	M12X1,25	7	19
U-50-63	M16X1,5	8	24
U-80-100	M20x1,5	9	30
U-41-125	M27x2	12	41

Self aligning rod Mod. GK

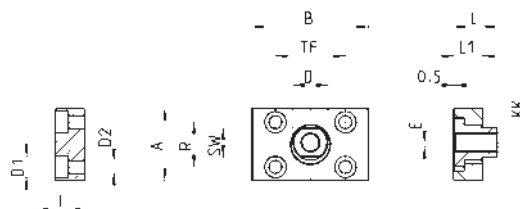
Material: zinc-plated steel.



DIMENSIONS																	
Mod.	Ø	KK	L	L1	L3	L4	øA	øD	H	I	SW	SW1	SW2	B1	AX	Z	E
GK-25-32	25-32	M10x1,25	71,5	35	20	7,5	14	22	32	30	19	12	17	5	22	4	2
GK-40	40	M12x1,25	75,5	35	24	7,5	14	22	32	30	19	12	19	6	22	4	2
GK-50-63	50-63	M16x1,5	104	53	32	10	22	32	45	41	27	20	24	8	30	3	2
GK-80-100	80-100	M20x1,5	119	53	40	10	22	32	45	41	27	20	30	10	37	3	2
GK-125	125	M27x2	147	60	54	10	32	57	70	65	54	24	41	12	48	4	2

Coupling piece Mod. GKF

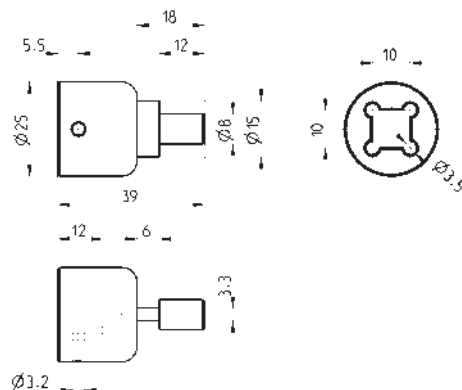
Material: zinc-plated steel.



DIMENSIONS														
Mod.	Ø	KK	A	B	R	TF	L	L1	I	Ø D	Ø D1	Ø D2	SW	E
GKF-25-32	32	M10x1,25	37	60	23	36	22,5	15	6,8	18	11	6,6	15	2
GKF-40	40	M12x1,25	56	60	38	42	22,5	15	9	20	15	9	15	2,5
GKF-50-63	50-63	M16x1,5	80	80	58	58	26,5	15	10,5	25	18	11	22	2,5
GKF-80-100	80-100	M20x1,5	90	90	65	65	32,5	20	13	30,5	20	14	27	2,5
GKF-125	125	M27x2	90	90	65	65	35,5	20	13	40	20	14	36	4

Special key to disassemble cylinders Ø 80 and 100

Material: hardened steel

Mod.
80-62/8C