

ELECTRIC CYLINDER SERIES ELEKTRO SSC



An electric cylinder with a connection interface in accordance with ISO 15552.

The ELEKTRO SSC series differs from the ISO 15552 ELEKTRO series in some design choices, including the absence of the front and rear heads. The cylinder is available in defined strokes (different depending on the type of screw).

The piston rod moves forwards by either the hardened and tempered steel screw and a ball recirculating screw nut or a stainless steel screw and technopolymer lead nut.

The cylinder is equipped with an anti-rotation system that can be easily removed as required.

A magnet is fitted to the piston rod to provide a limit switch signal and two separate lengthwise slots are provided on the cylinder body to accommodate the Square-type sensors.

An easily removable plate is attached to the cylinder body to facilitate re-lubrication of the screw.

The cylinder is available in either in-line or geared version.

The motor can be selected from among an optimized range, which includes both STEPPING and BRUSHLESS motors.

The most suitable drives for the motors are also provided.

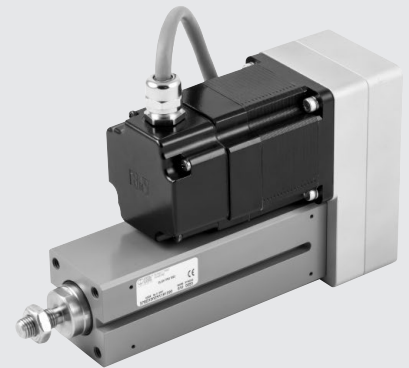
Special flanges and couplings are provided on request when motors of a make or model other than those specified in the catalogue are used.

N.B: It is essential for the piston rod to be provided with an anti-rotation system. Therefore, if the piston rod is not secured firmly to a flange or a similar element that prevents rotation, the anti-rotation version of the cylinder must be chosen

in-line version



geared version



TECHNICAL DATA	Ø 32	
	Ball screw	Lead screw
Piston rod thread	M10x1.25	
Environmental temperature range for STEPPING motors	from -10 to +50	
BRUSHLESS motors	from 0 to +40	
Electrical protection rating with STEPPING motors	IP55 or IP65 (see key to codes on page A5.65)	
BRUSHLESS motors	IP65 (see key to codes on page A5.65)	
Maximum relative humidity of the air for IP55 STEPPING motor	90% with 40°C; 57% with 50°C (no condensate)	
IP65 BRUSHLESS motor	90% (no condensate)	
Standard strokes (including 5 mm extra-stroke) for homing	30	30
	55	55
	80	-
	100	-
	125	-
	150	-
	200	-
Positioning repeatability	±0.02	±0.15
Positioning accuracy	±0.2 *	±0.4 *
Versions	Ball screw; Lead screw	
	With or without piston rod non-rotating	
	In line or geared motor	
	YES (depending on the choice)	
	NOT ALLOWED (for rear buffer ONLY)	
Anti-rotation of the piston rod	YES	
Uncontrolled impact at the end of stroke	NOT ALLOWED (for rear buffer ONLY)	
Sensor magnet	YES	
Maximum angle of twist of the piston rod for non-rotating version	0°30'	
Work position	Any	

* Indicative average data that gets influenced by various factors such as the stroke, the type of motor, the cylinder version, etc ...

MECHANICAL FEATURES		Ball screw		Lead screw	
Screw pitch (p)	mm	4	10	5	12.7
Screw diameter	mm	12	12	12	12.7
Static axial load (F _o)*	N	2500		995	1155
Dynamic axial load (F)	N	2700	2700	600	300
Calculate mean axial load and the calculate life (see graphs on page A5.58-59)					
N.B.: 25% duty cycle, i.e. the cylinder must work maximum 25% of time to allow the screw/ball screw nut to cool down.					
Maximum number of revs	1/min	3000	3000	600	940
Maximum speed (V _{max})	mm/s	200	500	50	200
"K" ratio of motor revs and piston rod speed	n/V	15	6	12	4.7

Example: V = 100 mm/s; pitch = 10 → K = 6 n = V x K = 100 x 6 = 600 rpm

* N.B.: Static loads bearable without damage. Payloads are shown in the diagrams on page A5.59 onwards

WEIGHTS		Ball screw		Lead screw	
Screw pitch (p)	mm	4	10	5	12.7
Weight at stroke 0, in-line version	g	767	777	577	582
Weight at stroke 0, geared version	g	1077	1087	927	932
Additional weight each mm of stroke	g	7.6	7.6	7.6	7.6
Moving mass at stroke 0 (non-rotating version) Mx	g	199	209	140	145
Additional moving mass each mm of stroke	g	2.5	2.5	2.5	2.5

N.B.: You get the total weight of a complete cylinder by adding: weight stroke 0 + stroke [mm] x weight for each mm of stroke + weight of the motor.

MASS MOMENTS OF INERTIA		Ball screw		Lead screw	
Screw pitch	mm	4	10	5	12.7
Transmission ratio (τ)		1:1	1:1	1:1	1:1
J0 at stroke 0	kgmm ²	7.821	7.934	5.708	6.123
J1 each metre of stroke	kgmm ² /m	12.76	13.76	11.6	14.7
J2 each kg of load	kgmm ² /kg	0.4053	2.5330	0.6333	4.0855
J3 in-line transmission	kgmm ²	2.879	2.879	2.879	2.879
J3 geared transmission	kgmm ²	3.237	3.237	3.237	3.237

The total mass moment of inertia (J_{tot}) reduced for the motor is: J_{tot} = [J1 . stroke [m] + J2 . (load [kg] + Mx [kg]) + J0] . τ² + J3
Mx is defined in the weights table.

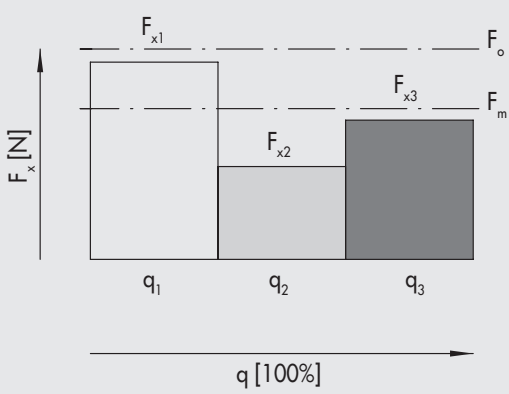
CALCULATION OF MEAN AXIAL LOAD F_m AND VERIFICATION

Peak axial load in a work cycle must not exceed the static axial load F_o. The peak value is usually achieved during upward acceleration in vertical installation. Exceeding this value leads to greater wear and hence shorter life of the screw.

Mean axial load F_m

$$F_m = \sqrt[3]{\sum F_x^3 \times \frac{V_x}{V_m} \times \frac{q}{100}} = \sqrt[3]{F_{x1}^3 \times \frac{V_{x1}}{V_m} \times \frac{q_1}{100} + F_{x2}^3 \times \frac{V_{x2}}{V_m} \times \frac{q_2}{100} + F_{x3}^3 \times \frac{V_{x3}}{V_m} \times \frac{q_3}{100} + \dots}$$

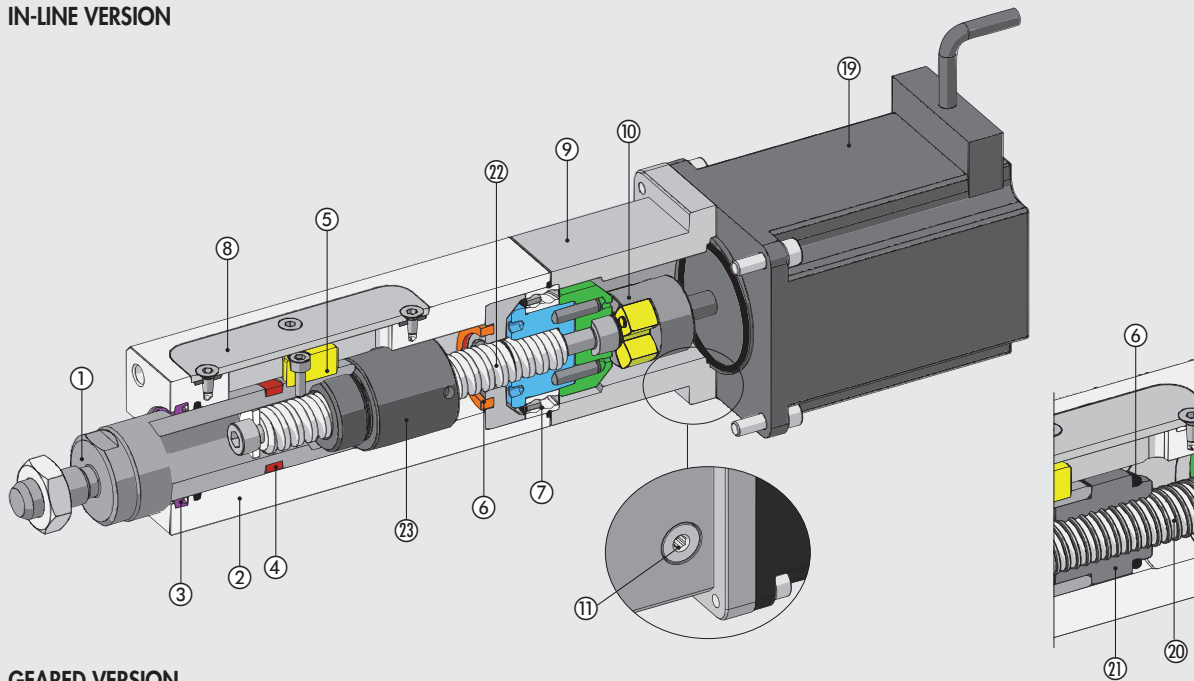
- F_x = Axial load at stage x
- F_m = Mean axial load during extension
- F_o = Static axial load
- q = Time segment
- V_x = Speed in the phase x
- V_m = Average speed



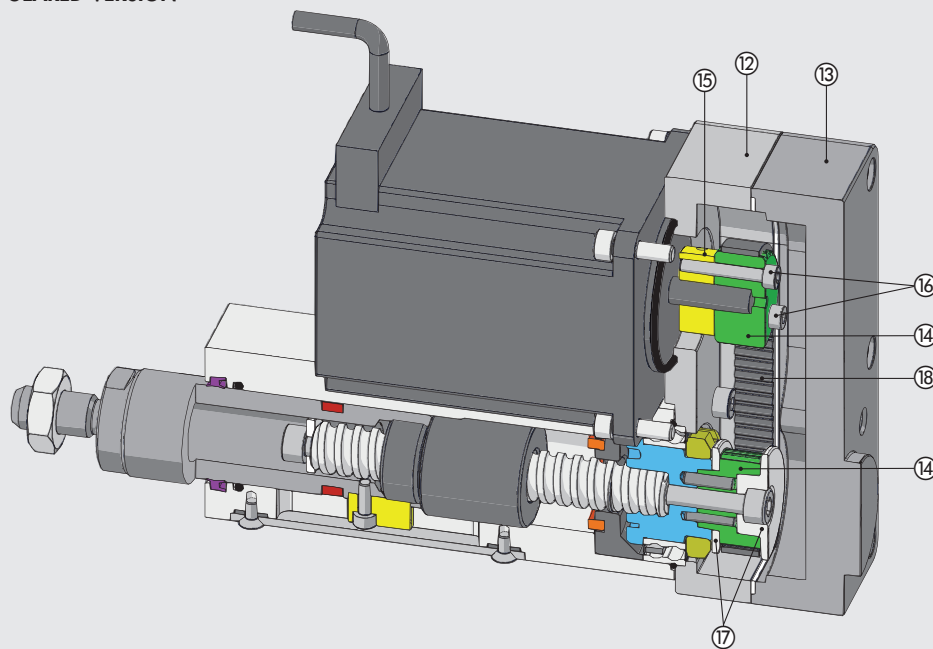
The mean axial load must not exceed the dynamic axial load: F_m ≤ F
The graphs on page A5.58-59, show screw life as a function of F_m

COMPONENTS

IN-LINE VERSION



GEARED VERSION



- ① PISTON ROD: stainless steel (AISI 316)
- ② BODY: aluminium alloy with wear-resistant coating
- ③ WIPER RING: polyurethane
- ④ MAGNET: plastoferrite (optional)
- ⑤ ANTI-ROTATION KEY: brass (optional)
- ⑥ BUFFER: polyurethane
- ⑦ BEARING: oblique with two ball rings
- ⑧ PLATE: stainless steel (AISI 304)
- ⑨ ADAPTOR PLATE: anodized aluminium
- ⑩ ELASTIC COUPLING: aluminium / polyurethane
- ⑪ PLUG: for access to the elastic coupling screw
- ⑫ TRANSMISSION PLATE: anodized aluminium
- ⑬ COVER: anodized aluminium
- ⑭ COG PULLEY: anodized aluminium

- ⑮ ELASTIC COLLAR: anodized aluminium
- ⑯ ELASTIC COLLAR-LOCKING SCREWS: zinc-plated steel
- ⑰ BELT FLANGES: anodized aluminium
- ⑱ TOOTHED BELT: polyurethane with steel cables
- ⑲ MOTOR

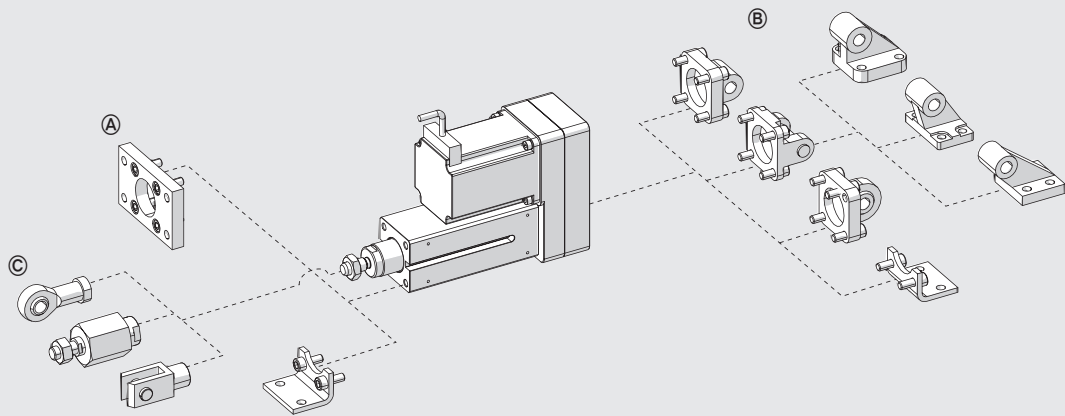
Version with lead screw:

- ⑳ LEAD SCREW: stainless steel (AISI 304)
- ㉑ NUT: technopolymer

Version with ball screw:

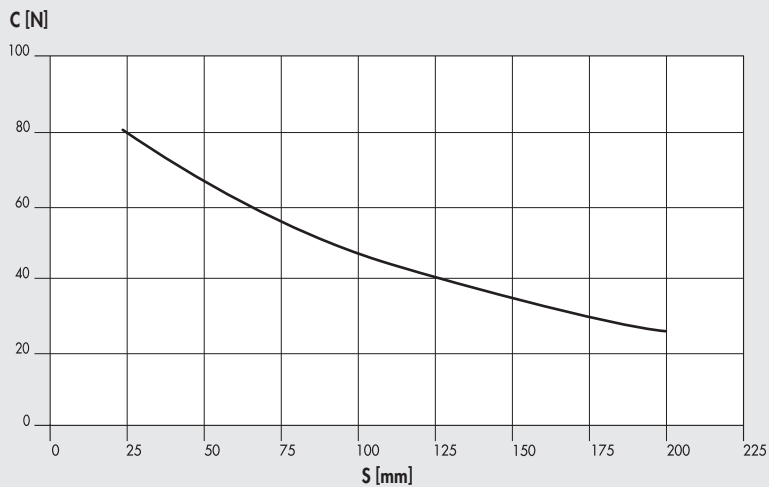
- ㉒ SCREW: hardened and rolled steel
- ㉓ NUT: steel

FIXING OPTIONS

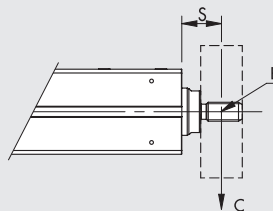


- Ⓐ Fitted directly to the front of the cylinder body, using 4 threaded holes according to ISO 15552
- Ⓑ Fitted to the rear (geared version only), using 4 threaded holes according to ISO 15552
- Ⓒ Piston rod accessories.

MAXIMUM RADIAL LOADS ON PISTON ROD



Radial loads can be applied to the piston rod. They must not exceed the values in the adjacent chart, otherwise the guides on the rod and piston will be subjected to excessive wear.

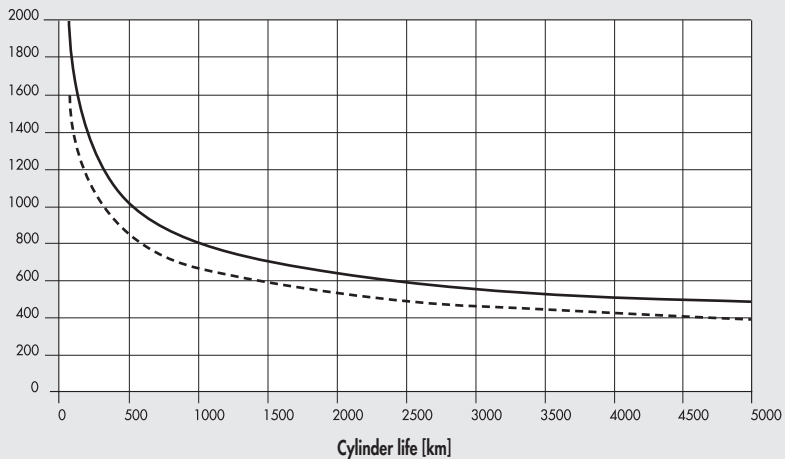


B = Barycentre;
S = Projection;
C = Radial load

LIFE CHARACTERISTICS AS A FUNCTION OF THE MEAN AXIAL LOAD, VERSION WITH BALL SCREW

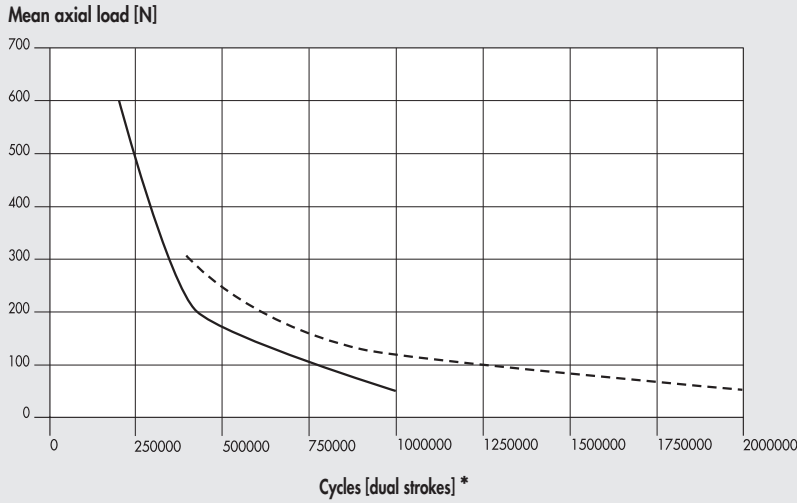
Life characteristics can vary considerably from those indicated in the graphs due to different operating conditions (radial loads, temperature, lubrication status, etc.).

Mean axial load [N]



— Screw pitch 4
 - - - Screw pitch 10

LIFE CHARACTERISTICS AS A FUNCTION OF THE MEAN AXIAL LOAD, VERSION WITH LEAD SCREW



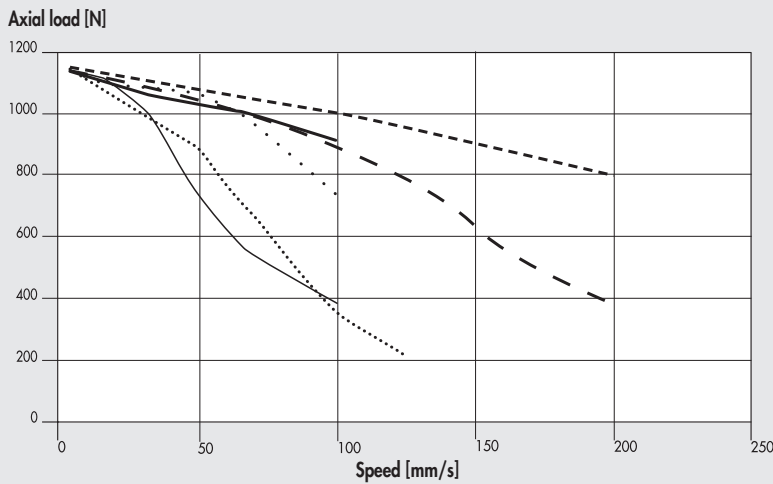
— Screw pitch 5
 - - - Screw pitch 12.7

* Relative to cylinders stroke 55 mm. For 30 mm stroke cylinders, the data must be multiplied by 1.8

AXIAL LOAD CURVES AS A FUNCTION OF SPEED (CYLINDER COMPLETE WITH MOTOR AND DRIVE)

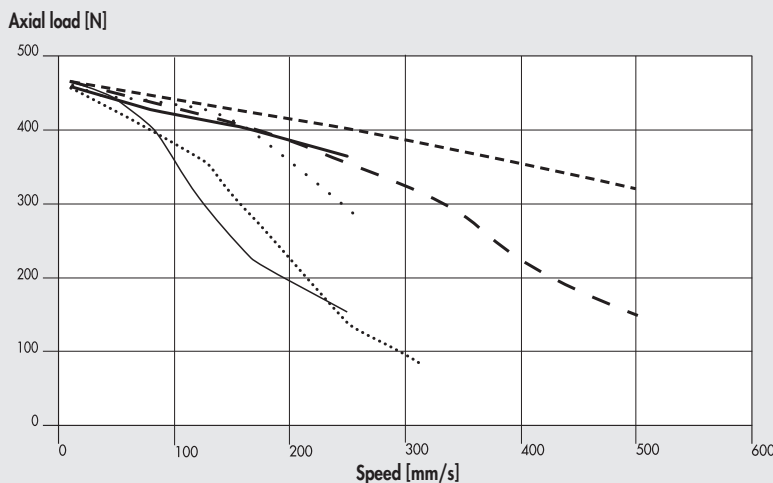
N.B.: The obtainable load values already take the efficiency of the system into account. For **STEPPING** motors, with the motor off, the drive current is automatically reduced by 50% to prevent overheating. Consequently, available axial load with the motor stopped is also reduced by 50%.

Ø 32 with pitch 4 ball screw, STEPPING motor, STEPPING motors with encoder, STEPPING motors with encoder + brake



— 37M1220000 (24VDC) or 37M8220000 (with encoder, 24VDC) or 37M3220000 (with encoder + brake, 24VDC)
 37M1220000 (48VDC) or 37M8220000 (with encoder, 48VDC) or 37M3220000 (with encoder + brake, 48VDC)
 — 37M1220000 (75VDC) or 37M8220000 (with encoder, 75VDC) or 37M3220000 (with encoder + brake, 75VDC)
 37M1120001 (24VDC)
 - - - 37M1120001 (48VDC)
 - - - 37M1120001 (75VDC)

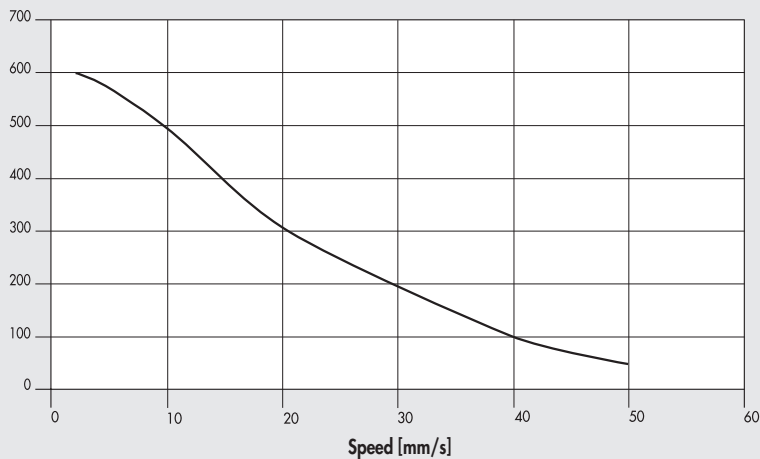
Ø 32 with pitch 10 ball screw, STEPPING motor, STEPPING motors with encoder, STEPPING motors with encoder + brake



— 37M1220000 (24VDC) or 37M8220000 (with encoder, 24VDC) or 37M3220000 (with encoder + brake, 24VDC)
 37M1220000 (48VDC) or 37M8220000 (with encoder, 48VDC) or 37M3220000 (with encoder + brake, 48VDC)
 — 37M1220000 (75VDC) or 37M8220000 (with encoder, 75VDC) or 37M3220000 (with encoder + brake, 75VDC)
 37M1120001 (24VDC)
 - - - 37M1120001 (48VDC)
 - - - 37M1120001 (75VDC)

Ø 32 with pitch 5 lead screw, STEPPING motor

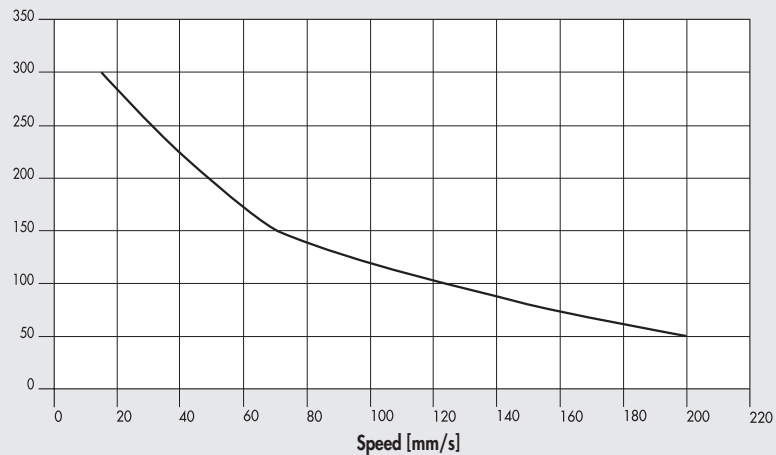
Axial load [N]



— 37M1120001 (24VDC)
 or 37M1220000 (24VDC)
 or 37M8220000 (with encoder, 24VDC)
 or 37M3220000 (with encoder + brake, 24VDC)

Ø 32 with pitch 12.7 lead screw, STEPPING motor

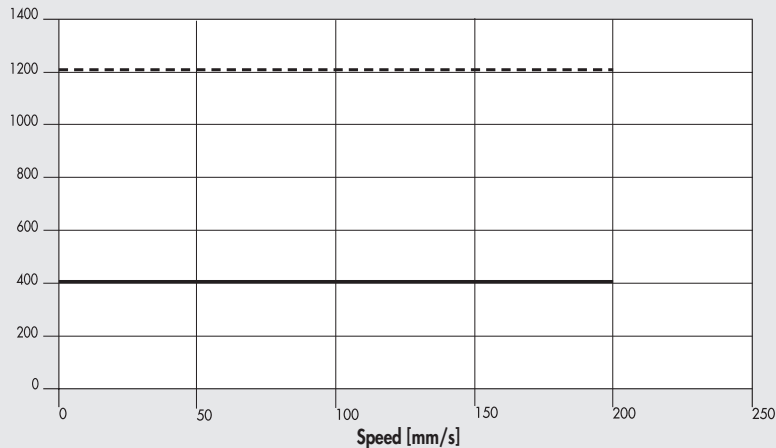
Axial load [N]



— 37M1120001 (24VDC)
 or 37M1220000 (24VDC)
 or 37M8220000 (with encoder, 24VDC)
 or 37M3220000 (with encoder + brake, 24VDC)

Ø 32 with pitch 4 ball screw, BRUSHLESS motor and BRUSHLESS motor with brake

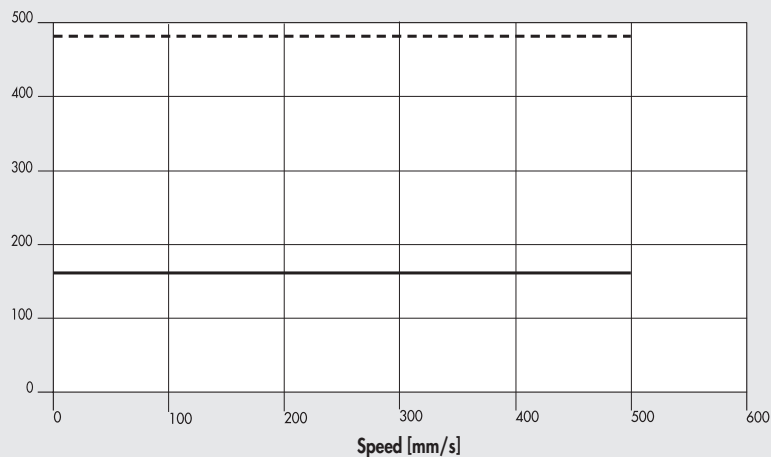
Axial load [N]



— Nominal 37M2000000
 or 37M4000000 (with brake)
 + 37D2100000 (100W)
 - - - Max 37M2000000
 or 37M4000000 (with brake)
 + 37D2100000 (100W)

Ø 32 with pitch 10 ball screw, BRUSHLESS motor and BRUSHLESS motor with brake

Axial load [N]

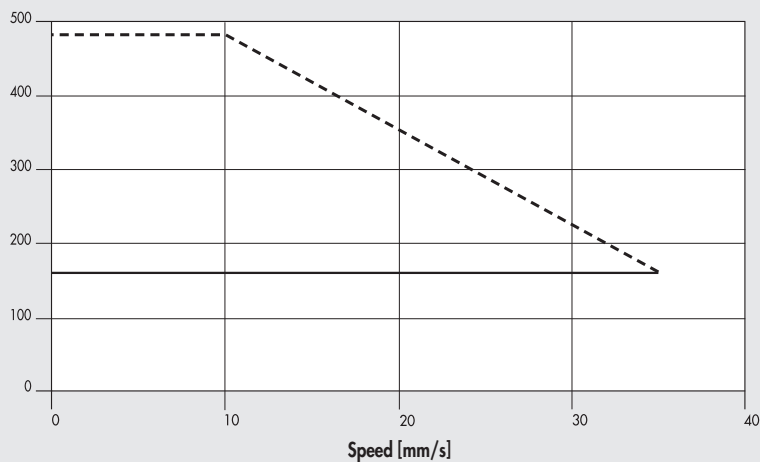


— Nominal 37M2000000
or 37M4000000 (with brake)
+ 37D2100000 (100W)

- - - Max 37M2000000
or 37M4000000 (with brake)
+ 37D2100000 (100W)

Ø 32 with pitch 5 lead screw, BRUSHLESS motor and BRUSHLESS motor with brake

Axial load [N]

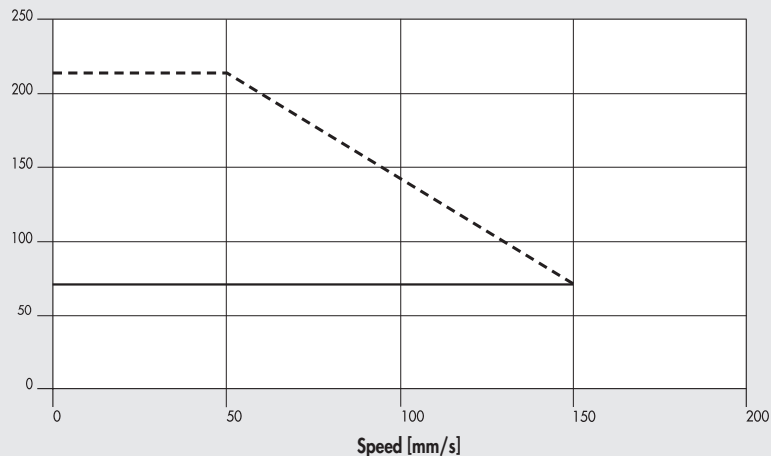


— Nominal 37M2000000
or 37M4000000 (with brake)
+ 37D2100000 (100W)

- - - Max 37M2000000
or 37M4000000 (with brake)
+ 37D2100000 (100W)

Ø 32 with pitch 12.7 lead screw, BRUSHLESS motor and BRUSHLESS motor with brake

Axial load [N]



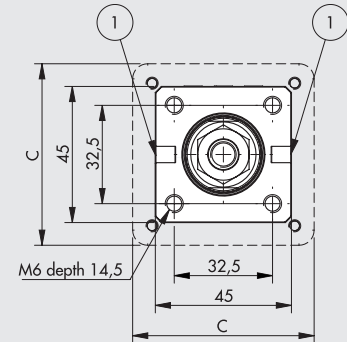
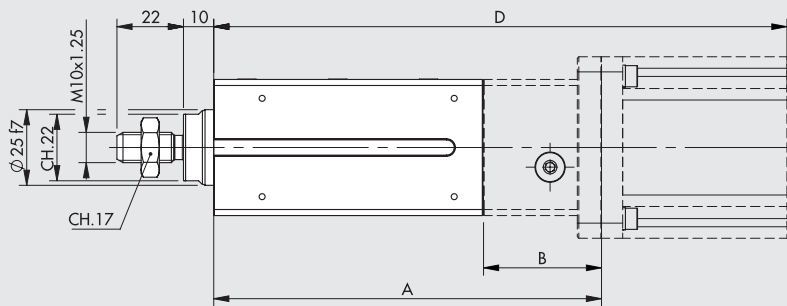
— Nominal 37M2000000
or 37M4000000 (with brake)
+ 37D2100000 (100W)

- - - Max 37M2000000
or 37M4000000 (with brake)
+ 37D2100000 (100W)

DIMENSIONS CYLINDER IN-LINE

WITHOUT MOTOR

① = Slots for sensors



WITH MOTOR

CYLINDER WITH LEAD SCREW AND MOTOR

		1121				1220				8220				3220				2000				4000						
		STEPPING MOTOR				STEPPING MOTOR				STEPPING MOTOR + ENCODER				STEPPING MOTOR + ENCODER + BRAKE				BRUSHLESS MOTOR				BRUSHLESS MOTOR + BRAKE						
		code 37M1120001				code 37M1220000				code 37M8220000				code 37M3220000				code 37M2000000				code 37M4000000						
STROKE	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
	0030	125	36	56	201	128	39	60	220	128	39	60	235	128	39	60	280	132	43	45	233	132	43	45	269			
0055	150	36	56	226	153	39	60	245	153	39	60	260	153	39	60	305	157	43	45	258	157	43	45	294				

3760320030C3 ----- 3760320030C4 ----- 3760320030F3 ----- 3760320030F4 -----
 3760320055C3 ----- 3760320055C4 ----- 3760320055F3 ----- 3760320055F4 -----

To complete the code: ----- = enter the type of drive

CYLINDER WITH BALL SCREW AND MOTOR

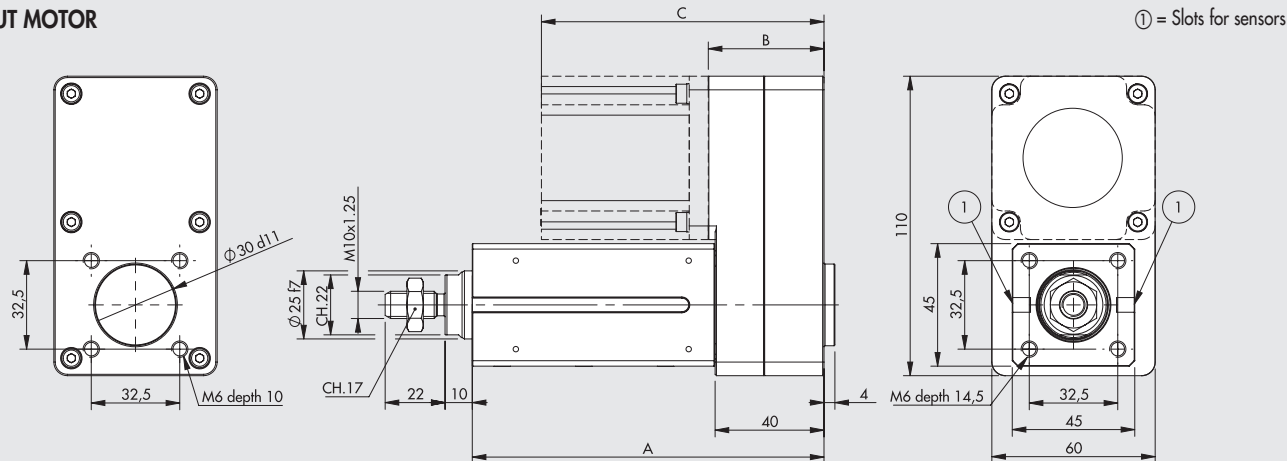
		1121				1220				8220				3220				2000				4000						
		STEPPING MOTOR				STEPPING MOTOR				STEPPING MOTOR + ENCODER				STEPPING MOTOR + ENCODER + BRAKE				BRUSHLESS MOTOR				BRUSHLESS MOTOR + BRAKE						
		code 37M1120001				code 37M1220000				code 37M8220000				code 37M3220000				code 37M2000000				code 37M4000000						
STROKE	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
	0030	160	48.5	56	236	160	48.5	60	252	160	48.5	60	267	160	48.5	60	312	165	53.5	45	266	165	53.5	45	302			
	0055	185	48.5	56	261	185	48.5	60	277	185	48.5	60	292	185	48.5	60	337	190	53.5	45	291	190	53.5	45	327			
	0080	210	48.5	56	286	210	48.5	60	302	210	48.5	60	317	210	48.5	60	362	215	53.5	45	316	215	53.5	45	352			
	0100	230	48.5	56	306	230	48.5	60	322	230	48.5	60	337	230	48.5	60	382	235	53.5	45	336	235	53.5	45	372			
	0125	255	48.5	56	331	255	48.5	60	347	255	48.5	60	362	255	48.5	60	407	260	53.5	45	361	260	53.5	45	397			
	0150	280	48.5	56	356	280	48.5	60	372	280	48.5	60	387	280	48.5	60	432	285	53.5	45	386	285	53.5	45	422			
0200	330	48.5	56	406	330	48.5	60	422	330	48.5	60	437	330	48.5	60	482	335	53.5	45	436	335	53.5	45	472				

376032 ___ 13 ----- 376032 ___ 14 ----- 376032 ___ 43 ----- 376032 ___ 44 -----

To complete the code: ----- = enter the stroke ----- = enter the type of drive

DIMENSIONS CYLINDER GEARED

WITHOUT MOTOR



WITH MOTOR

CYLINDER WITH LEAD SCREW AND MOTOR

1121	1220	8220	3220	2000	4000
STEPPING MOTOR	STEPPING MOTOR	STEPPING MOTOR + ENCODER	STEPPING MOTOR + ENCODER + BRAKE	MOTORE BRUSHLESS	MOTORE BRUSHLESS + BRAKE
code 37M1120001	code 37M1220000	code 37M8220000	code 37M3220000	code 37M2000000	code 37M4000000
A B C	A B C	A B C	A B C	A B C	A B C
0030 129 42.5 118.5	129 42.5 134.5	129 42.5 149	129 42.5 194.5	129 43.5 144	129 43.5 180
0055 154 42.5 118.5	154 42.5 134.5	154 42.5 149	154 42.5 194.5	154 43.5 144	154 43.5 180

3760320030C7 ----- 3760320030C8 ----- 3760320030F7 ----- 3760320030F8 -----
 3760320055C7 ----- 3760320055C8 ----- 3760320055F7 ----- 3760320055F8 -----

To complete the code: ----- = enter the type of drive

CYLINDER WITH BALL SCREW AND MOTOR

1121	1220	8220	3220	2000	4000
STEPPING MOTOR	STEPPING MOTOR	STEPPING MOTOR + ENCODER	STEPPING MOTOR + ENCODER + BRAKE	MOTORE BRUSHLESS	MOTORE BRUSHLESS + BRAKE
code 37M1120001	code 37M1220000	code 37M8220000	code 37M3220000	code 37M2000000	code 37M4000000
A B C	A B C	A B C	A B C	A B C	A B C
0030 152 42.5 118.5	152 42.5 134.5	152 42.5 149	152 42.5 194.5	152 43.5 144	152 43.5 180
0055 177 42.5 118.5	177 42.5 134.5	177 42.5 149	177 42.5 194.5	177 43.5 144	177 43.5 180
0080 202 42.5 118.5	202 42.5 134.5	202 42.5 149	202 42.5 194.5	202 43.5 144	202 43.5 180
0100 222 42.5 118.5	222 42.5 134.5	222 42.5 149	222 42.5 194.5	222 43.5 144	222 43.5 180
0125 247 42.5 118.5	247 42.5 134.5	247 42.5 149	247 42.5 194.5	247 43.5 144	247 43.5 180
0150 272 42.5 118.5	272 42.5 134.5	272 42.5 149	272 42.5 194.5	272 43.5 144	272 43.5 180
0200 322 42.5 118.5	322 42.5 134.5	322 42.5 149	322 42.5 194.5	322 43.5 144	322 43.5 180

376032 ___ 17 ----- 376032 ___ 18 ----- 376032 ___ 47 ----- 376032 ___ 48 -----

To complete the code: ----- = enter the stroke ----- = enter the type of drive

MOTOR-DRIVE COUPLINGS



ACTUATORS
ELECTRIC CYLINDER SERIES ELEKTRO SSC

MOTOR CODES		DRIVES CODES		
Metal Work	Manufacturer	Metal Work	Manufacturer	Manufacturer
		37D1332000 *	37D1442000	37D1552000
		RTA NDC 96	RTA PLUS A4	RTA PLUS B7
		(6A 24-75VDC)	(6A 24-75VDC)	(10A 28-62VAC) ●

STEPPING MOTORS				
37M1120001	SANYO DENKI 103-H7126-6640 (5.6A 75V max)	√	-	√ ■
37M1220000	B&R 80MPF3.250S000-01 + kit IP65 (5A 80V max)	√ ◆	√ ■	√ ■
STEPPING MOTORS + ENCODER				
37M8220000	B&R 80MPF3.500S114-01 (5A 80V max)	√ ◆	√ ■	√ ■
STEPPING MOTORS WITH BRAKE + ENCODER				
37M3220000	B&R 80MPF3.500D114-01 (5A 80V max)	√ ◆	√ ■	√ ■

* In all applications requiring motor powered up to 6A / 55VDC, the programmable drive e.drive, code 37D1332002, can be used.

● Important! AC drive to continuous voltage VDC = VAC · √ 2

◆ Important! Limit current

■ Important! Limit current and voltage

MOTOR CODES		DRIVES CODES	
Metal Work	Manufacturer	Metal Work	Manufacturer
		37D2100000	
		DELTA ASD-A2-0121-M	
		(100W)	
BRUSHLESS MOTORS			
37M2000000	DELTA ECMA-C20401RS (100W)	√	
BRUSHLESS MOTORS WITH BRAKE			
37M4000000	DELTA ECMA-C20401SS (100W)	√	

KEY TO CODES

CYL	37	6	032	0030	1	3	DRIVE			
							1	1	2	1
	TYPE	FAMILY	SIZE	STROKE	SCREW	VERSION	MOTOR	FLANGE	TORQUE	
	37 Electric actuators	6 Electric cylinder SSC	032 Ø32	BALL SCREW 0030 30 mm 0055 55 mm 0080 80 mm 0100 100 mm 0125 125 mm 0150 150 mm 0200 200 mm LEAD SCREW 0030 30 mm 0055 55 mm	1 Pitch 4 ball screw 4 Pitch 10 ball screw C Pitch 5 lead screw F Pitch 12.7 lead screw	IN-LINE ● 3 Without non-rotating IP55/IP65 ● 4 With antirotation, IP55/IP65 GEARED ● 7 Without non-rotating IP55/IP65 ● 8 With antirotation, IP55/IP65	1 STEPPING 2 BRUSHLESS 3 STEPPING with BRAKE + encoder 4 BRUSHLESS with BRAKE 8 STEPPING + encoder	0 40x40 1 NEMA 23 2 60x60	0 0 - 0.79 Nm 1 1.2 - 2.19 Nm 2 1.2 - 2.19 Nm	0 Base 1 Greater rpm

● Version available for all drives, except for motor code 37M1120001, which is IP55 protected.

POSSIBLE ORDERING CODES

Ø 32 with ball screw

Drive	Version	Screw pitch	
376032_	1	3	1121
	4	4	1220
		7	8220
		8	3220
			2000
			4000

--- = enter the stroke in mm

Ø 32 with lead screw

Drive	Version	Screw pitch	
376032_	C	3	1121
	F	4	1220
		7	8220
		8	3220
			2000
			4000

--- = enter the stroke in mm

NOTES

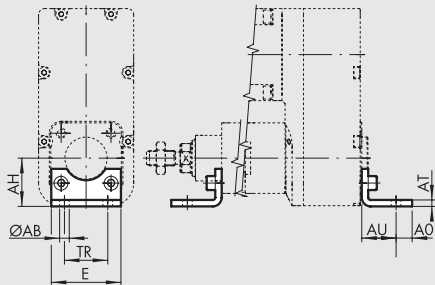
ACCESSORIES FOR ELECTRIC CYLINDER SERIES ELEKTRO SSC

Note: Where specified, limit the maximum axial loads (Fmax) according to the electric cylinders

ACTUATORS

ELECTRIC CYLINDER SERIES ELEKTRO SSC

FOOT MODEL A

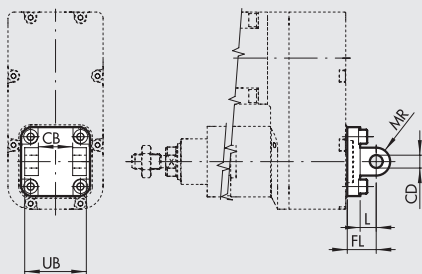


STEEL

Code	Ø	Ø AB	AH	AO	AT	AU	TR	E	Weight [g]	Fmax [N]
W0950322001	32	7	32	11	4	24	32	45	76	1600

Note: Individually packed with 2 screws.
N.B.: Rear mounting requires 2 M6x14 UNI 5931 screws.

FEMALE HINGE - MODEL B



ALUMINIUM

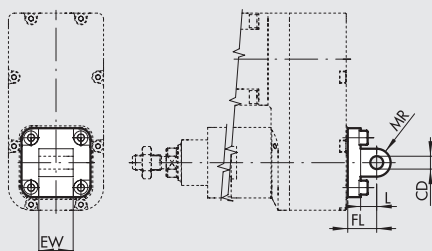
Code	Ø	UB	CB ^{H14}	FL	CD ^{H9}	MR	L	Weight [g]	Fmax [N]
W0950322003	32	45	26	22	10	10	12	116	800

STEEL

Code	Ø	UB	CB ^{H14}	FL	CD ^{H9}	MR	L	Weight [g]	Fmax [N]
W095E322003	32	45	26	22	10	10	13	348	1600

Note: Supplied with 4 screws, 4 washers, 2 snap rings and 1 pin.
N.B.: Rear mounting requires 4 M6x16 UNI 5931 screws.

MALE HINGE - MODEL BA



ALUMINIUM

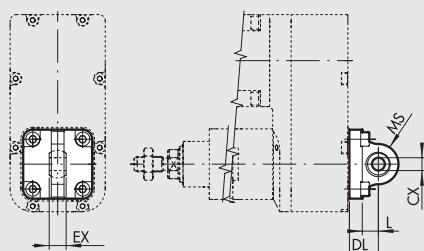
Code	Ø	EW	FL	MR	CD ^{H9}	L	Weight [g]	Fmax [N]
W0950322004	32	26	22	10	10	13	94	800

STEEL

Code	Ø	EW	FL	MR	CD ^{H9}	L	Weight [g]	Fmax [N]
W095E322004	32	26	22	10	10	13	282	1600

Note: Supplied with 4 screws.
N.B.: Rear mounting requires 4 M6x14 UNI 5931 screws.

ARTICULATED MALE HINGE - MODEL BAS



ALUMINIUM

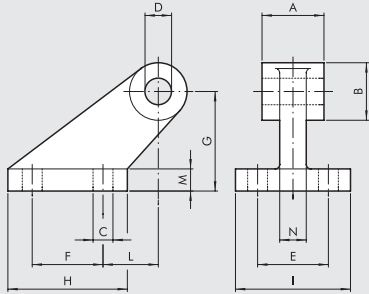
Code	Ø	DL	MS	L	CX ^{H9}	EX	Weight [g]	Fmax [N]
W0950322006	32	22	16	12	10	14	106	800

STEEL

Code	Ø	DL	MS	L	CX ^{H9}	EX	Weight [g]	Fmax [N]
W095E322006	32	22	15	14	10	14	318	1600

Note: Supplied with 4 screws, 4 washers.
N.B.: Rear mounting requires 4 M6x16 UNI 5931 screws.

CETOP HINGE FOR MODEL B - MODEL GL

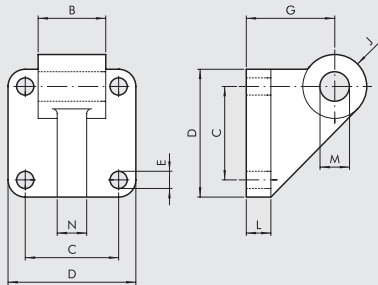


ALUMINIUM

Code	∅	A	B	C	D	E	F	G	H	I	L	M	N	Weight [g]	Fmax [N]
W0950322008	32	26	19	7	10	25	20	32	37	41	18	8	10	96	800

Note: Supplied with 4 screws, 4 washers.

COUNTER-HINGE FOR MODEL B - MODEL GS

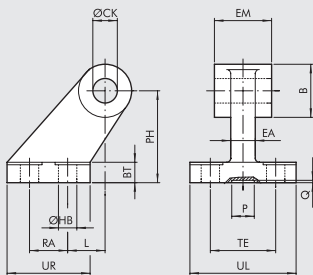


ALUMINIUM

Code	∅	B	C	D	E	G	J	L	M	N	Weight [g]	Fmax [N]
W0950322108	32	26	32.5	45	7	32	11	10	10	10	106	800

Note: Supplied with 4 screws, 4 washers.

ISO 1552 COUNTER-HINGE FOR MODEL B - MODEL AB7



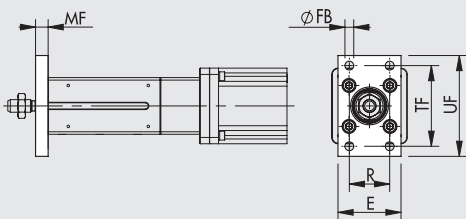
ALUMINIUM

Code	∅	EM	B	∅HB	∅CK	TE	RA	PH	UR	UL	L	BT	EA	P	Q	Weight [g]	Fmax [N]
W0950322017	32	26	20	6.6	10	38	18	32	31	51	3	8	10	21	3	60	800

STEEL

Code	∅	EM	B	∅HB	∅CK	TE	RA	PH	UR	UL	L	BT	EA	P	Q	Weight [g]	Fmax [N]
W095E322017	32	26	20	6.6	10	38	18	32	31	51	3	8	10	20	5	180	1600

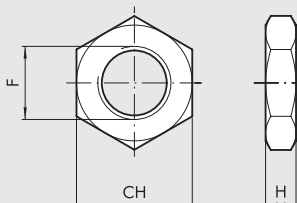
FRONT FLANGE - MODEL C



Code	∅	TF	UF	E	MF	R	∅FB	Weight [g]	Fmax [N]
W0950322002	32	64	80	50	10	32	7	246	1600

Note: Supplied with 4 screws.

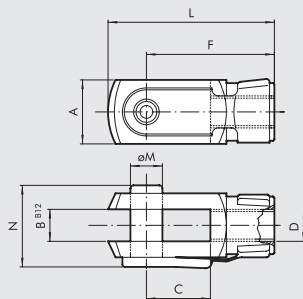
ROD NUT - MODEL S



Code	∅	F	H	CH	Weight [g]
0950322010	32	M10x1.25	6	17	6

Note: Individually packed.

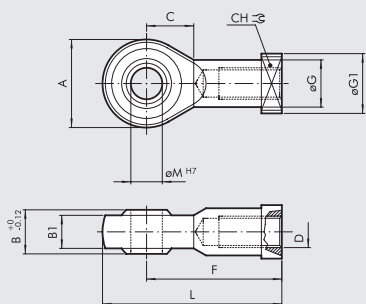
FORK MODEL GK-M



Code	Ø	øM	C	B	A	L	F	D	N	Weight [g]
W0950322020	32	10	20	10	20	52	40	M10x1.25	26	92

Note: Individually packed.

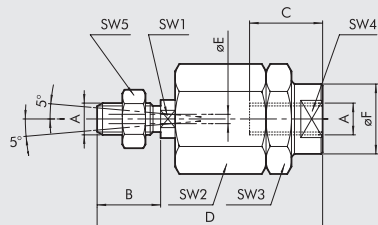
ROD EYE - MODEL GA-M



Code	Ø	øM	C	B1	B	A	L	F	D	øG	CH	øG1	Weight [g]
W0950322025	32	10	15	10.5	14	28	57	43	M10x1.25	15	17	19	78

Note: Individually packed.

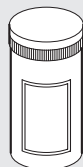
SELF ALIGNING ROD COUPLER - MODEL GA-K



Code	Ø	A	B	C	D	øF	øE	SW1	SW2	SW3	SW4	SW5	Weight [g]
W0950322030	32	M10x1.25	20	20	71	22	4	12	30	30	19	17	216

Note: Individually packed.

GREASE

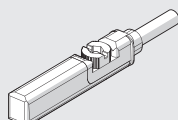


Code	Description	Weight [g]
9910514	Grease pipe ULTRAPLEX FG1 NSF CAT H1	400

RETRACTABLE SENSOR

SENSOR, SQUARE TYPE

Latest generation, secure fixing



For codes and technical data, see [chapter A6](#).

