

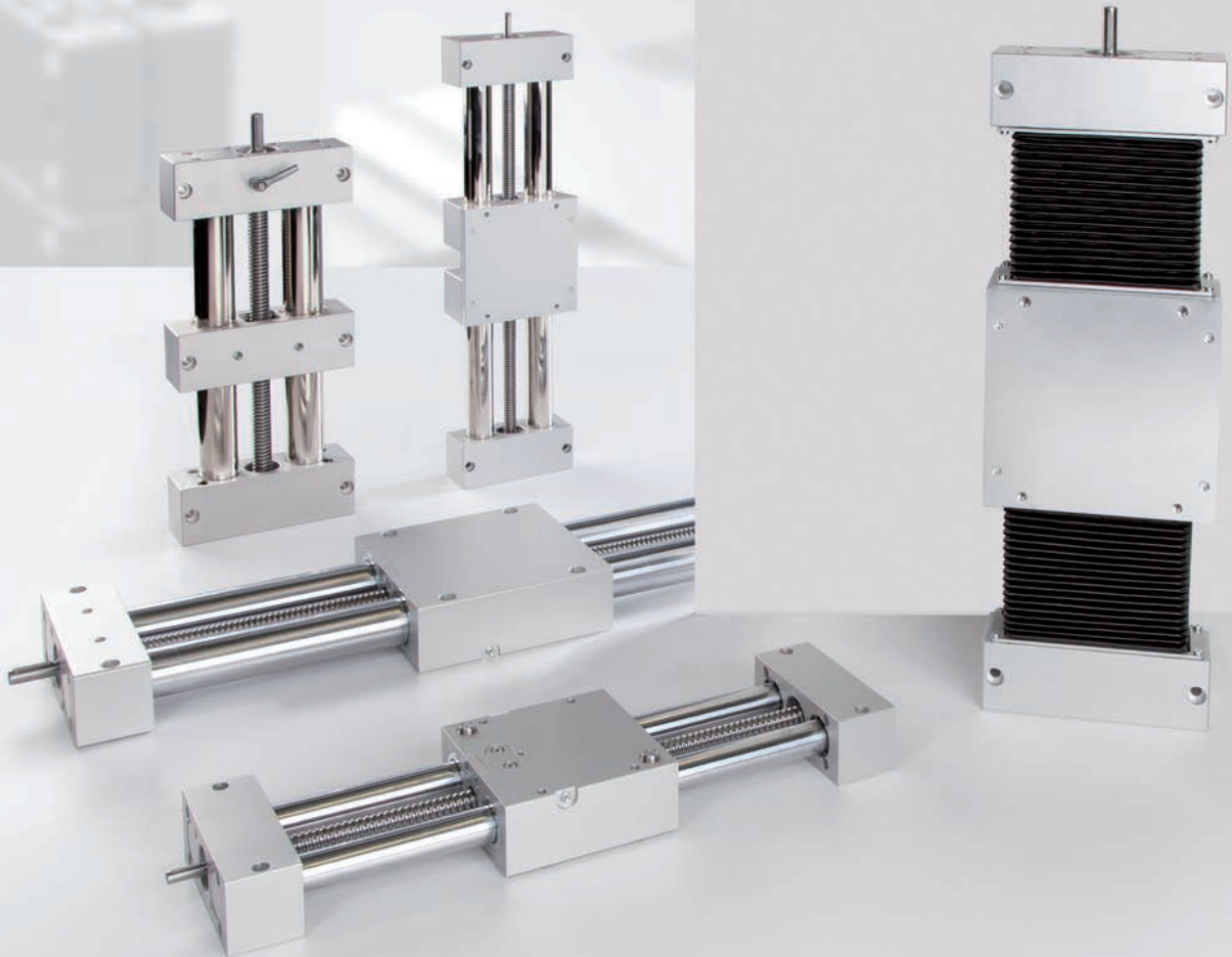


**RK ROSE+KRIEGER**

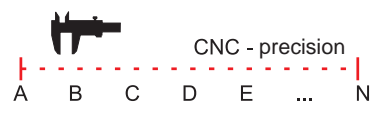
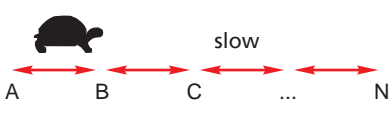
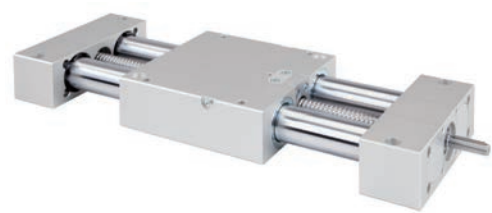
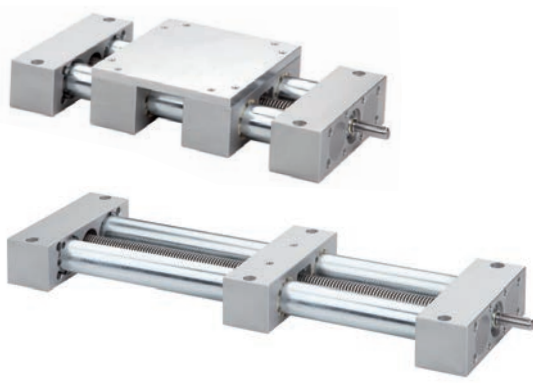
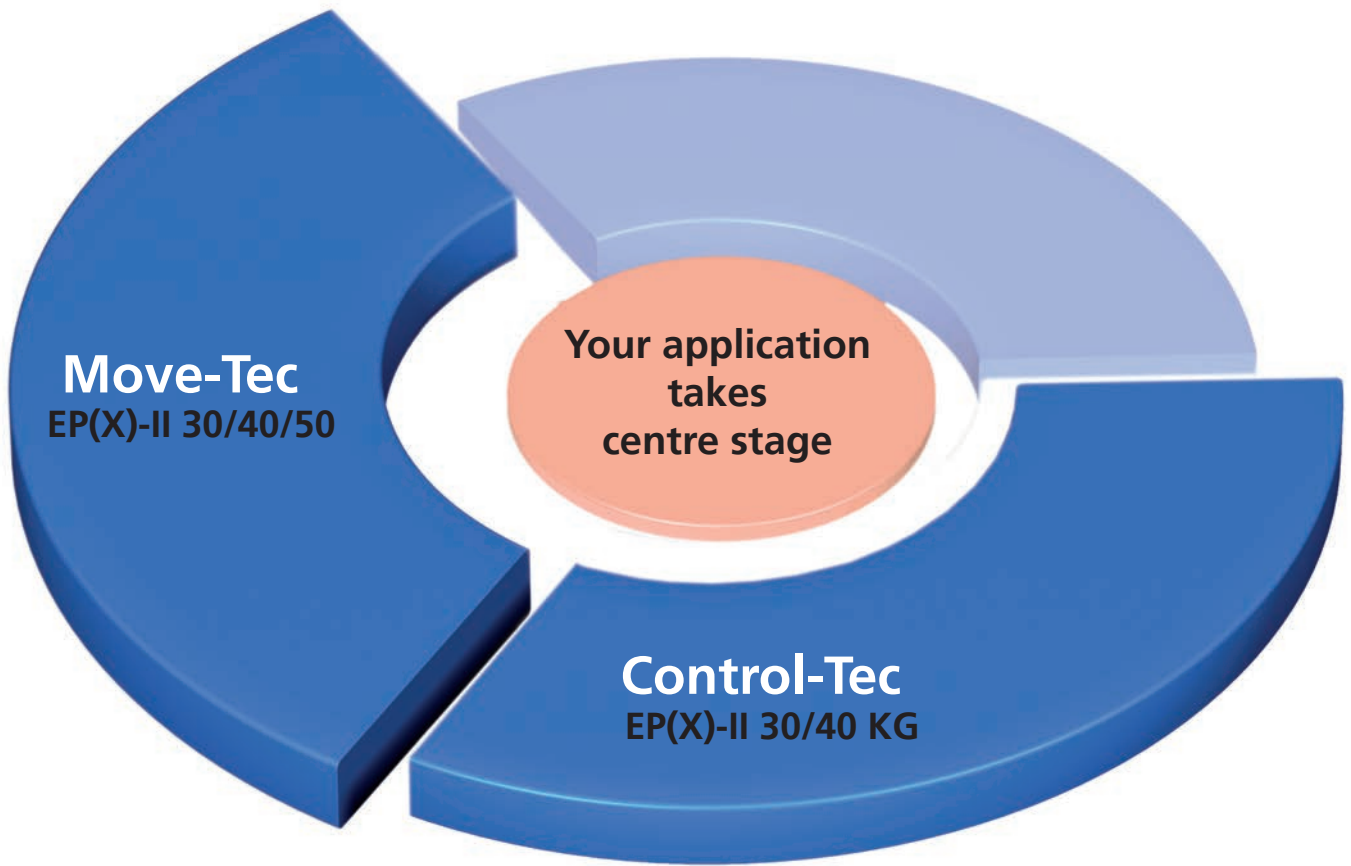
A Phoenix Mecano Company

## EP(X)-II 30/40/50

The new performance class with  
trapezoidal- and ball screw drive



# The latest generation of twin tube units



**Features:**

- Manual or electric drive
- Occasional to multiple adjustments daily
- Low duty cycle
- Low speed
- Medium to high stability
- Width, length and height adjustment

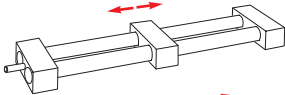
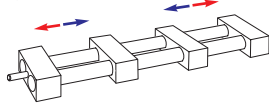
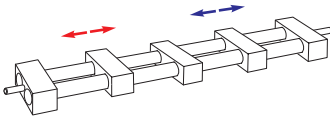
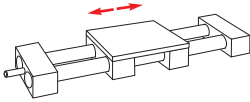
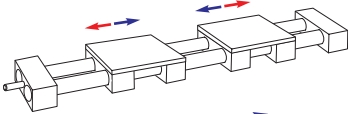
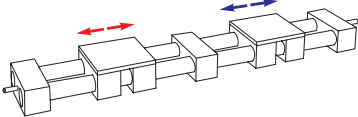
**Features:**

- High positioning accuracy
- Uniform motion
- High drive stiffness
- 3 shift operation
- IP 40 protected

<b>Properties/performance data</b>	General information / operating conditions .....	6
	Load data .....	6
	Geometric moments of inertia .....	6

## Versions

(Dimensions, order numbers)

	EP-II 30/40/50 right or lefthand thread .....	10
	EP-II 30/40/50 right and lefthand thread .....	12
	EP-II 30/40/50 split screw .....	14
	EPX-II 30/40/50 right or lefthand thread.....	16
	EPX-II 30/40/50 right and lefthand thread.....	18
	EPX-II 30/40/50 split screw.....	20
	EPX-II 30/40 KG right thread.....	22

## Accessories

Drive

	Handwheel .....	28
	Chain wheel.....	29
	Timing-belt pulley .....	29
	Angle drive .....	30
	Flange bearing unit.....	33
	Transmission unit.....	33
	Motor adapter / coupling .....	38
Position determination	Positioning indicator .....	44
	Limit switch.....	45

## EP(X)-II 30/40/50

The latest generation of EP(X)-II 30/40/50 twin tube units – compensates for high bending moments during hand and motor-driven adjustments

### Precise / plane mounting surface

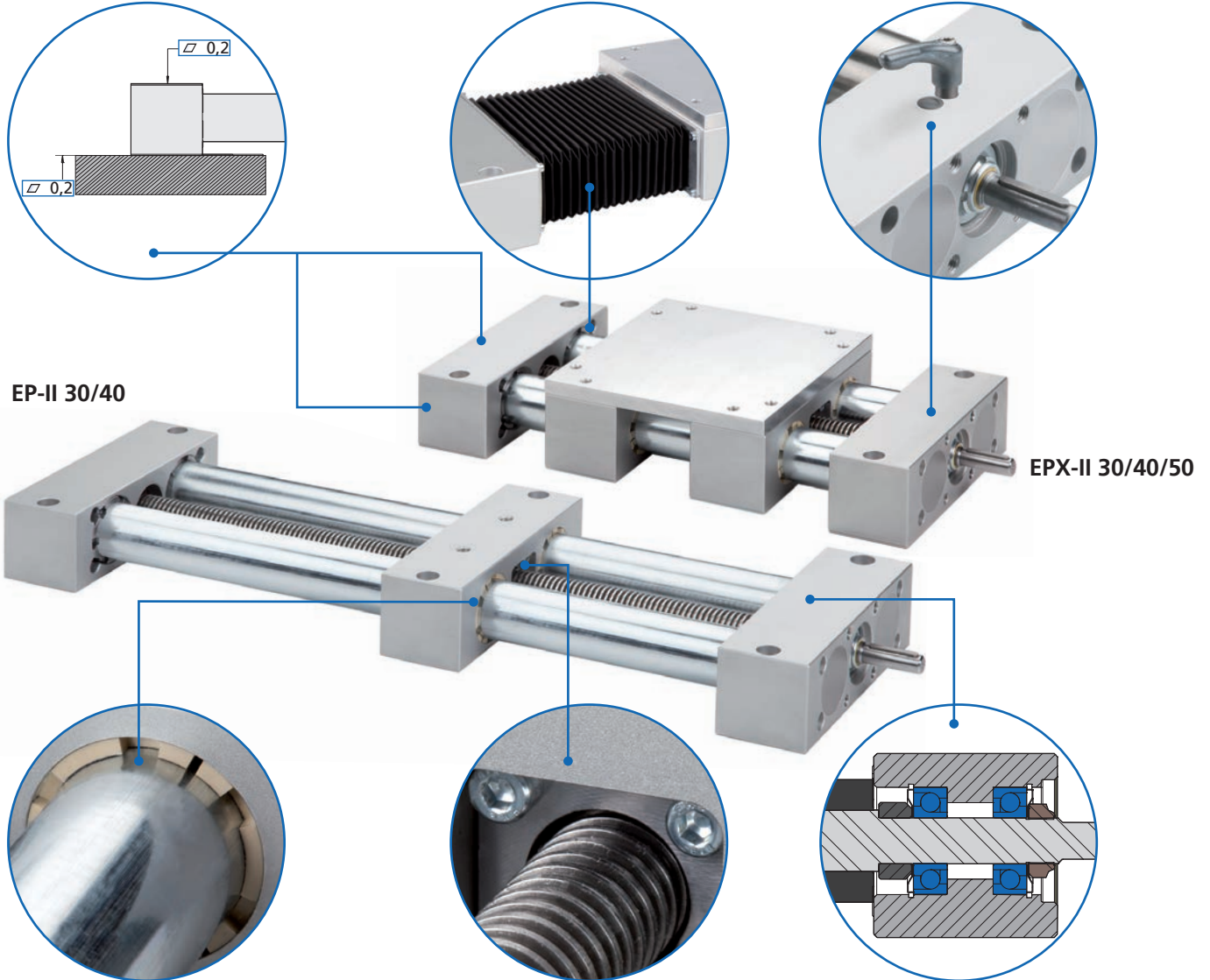
- Distortion-free installation

### Bellows

- Protection class IP 40

### Integrated spindle clamping

- Manual force locking spindle clamping optional



### Carriage with slide bushings as standard

- Longer lifetime due sleeves made of high performance material

### New guide nut concept

- Split nuts, simple replacement – no need to dismantle the linear unit
- Longer lifetime due to high performance materials

### Reduced axial play

- Optimised lead screw with fixed bearing in end element

### Features:

- High moment capacity
- Version available with large fixing plate
- Identical connection sizes as previous version

### Versions – size 30/40/50

- EP-II 30/40/50  
Right or lefthand thread  
Right and lefthand thread  
Split Screw
- EPX-II 30/40/50  
Right or lefthand thread  
Right and lefthand thread  
Split Screw

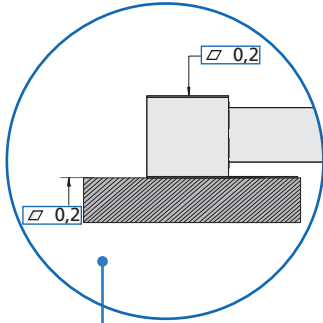
### Options:

- Corrosion-protected units
- Second free-running carriage
- Protect: with bellows and protection class IP 40
- Spindle clamping only at ball-screw spindle units

## EPX-II 30/40 linear unit with precise ball screw drive and guide shafts

### Precise / plane mounting surface

- Distortion-free installation



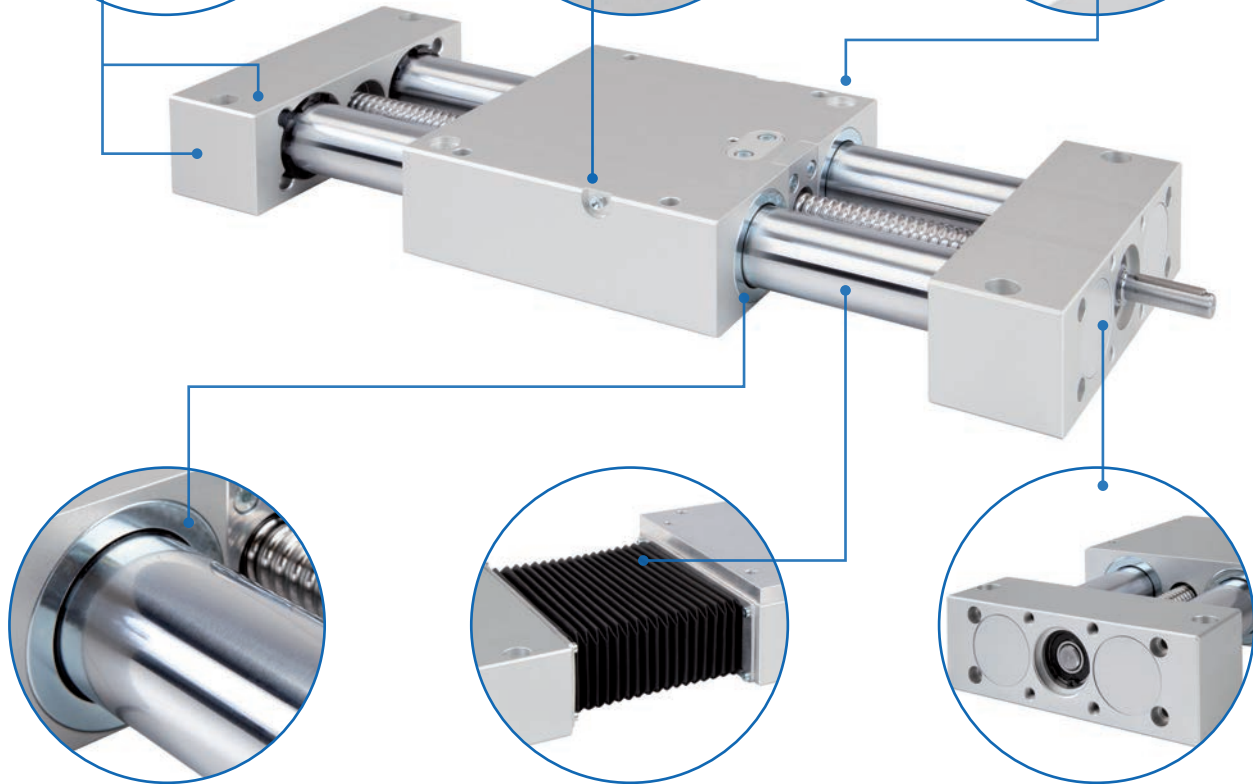
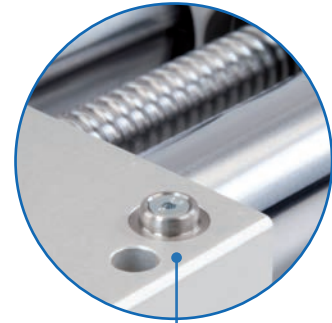
### Tapered lubricating nipple

- Central lubricating access on the carriage facilitates maintenance on both sides



### Centering holes in the guide table

(Image shows optional centering sets from the accessories)



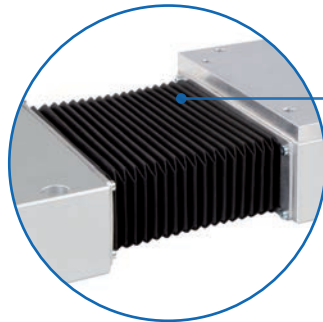
### Carriage with ball bushing

- Exceptionally long lifetime
- Smooth running performance



### Bellows

- Protection class IP 40



### Various fixing possibilities at the endelement

- Simple connection of accessories
- Also for vertical installation position suitable



### Features:

- Identical connection sizes as previous version
- X-version possible via connecting plate and external guide table
- Combination of EPX-II 30/40 KG and EPX-II 30/40 trapezoidal thread is possible

### Versions:

- EPX-II 30/40 KG Right thread
- EPX-II 30/40 without drive on request
- Optional with bellows

### Options:

- Standard- and long carriage
- Protect: with bellows and protection class IP 40
- Second free-running carriage

# Technical data

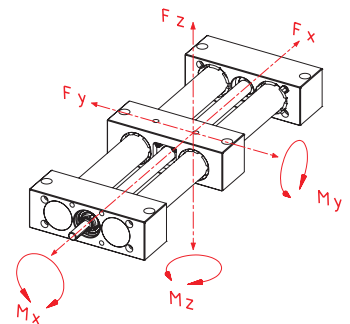
## General information / operating conditions

	EP-II 30	EPX-II 30	EP-II 40	EPX-II 40	EP-II 50	EPX-II 50
Guide	Slide guide					
Installation position	Any position					
Max. speed	0.015 m/s (stroke independent)			0.02 m/s (stroke independent)		
Max. acceleration	3 m/s <sup>2</sup>					
Repeatability	± 0,1 mm					
Max. no-load torque	0,6 Nm	0,7 Nm	0,7 Nm	0,8 Nm	1,1 Nm	1,2 Nm
Drive	Trapezoidal screw, Ø 14, pitch 3			Trapezoidal screw, Ø 20, pitch 4		
Lead accuracy	(± 0,1 / 300 mm)					
Duty cycle	S3, 30%, base 1h					
Ambient temperature	0 to +60°C					
Protection class	Basic: no / Protect: IP 40					

### Static load data\*

- F Force [N]
- M Moment [Nm]
- I Geometric moment of inertia [cm<sup>4</sup>]

\* with reference to carriage (deflection of guide element f = 0.5 mm, static, end elements supported)



Type	Fx	Fy			Fz			Mx	My	Mz
		500	1000	1500	500	1000	1500			
EP-II 30	800	1000	800	500	550	300	100	60	60	75
EPX-II 30	800	1400	1200	700	650	450	200	80	110	140
EP-II 40	1000	3500	2600	1300	2000	580	120	120	130	150
EPX-II 40	1000	6000	3100	1800	2200	680	220	160	190	240
EP-II 50	1700	3800	2300	2050	3000	670	170	160	200	260
EPX-II 50	1700	7700	5000	2500	3300	830	310	240	345	510

### Geometric moment of inertia

Type	Iy	Iz
EP(X)-II 30	3.47	46.57
EP(X)-II 40	14.84	198.06
EP(X)-II 50	30.81	319.84

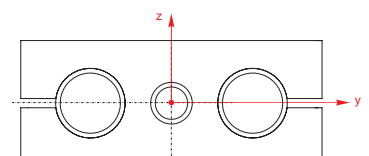




Image shows different versions of the EP(X)-II series:  
EPX-II 30 with righthand thread, EP-II 40 with righthand thread and EP-II 50 with right and lefthand thread

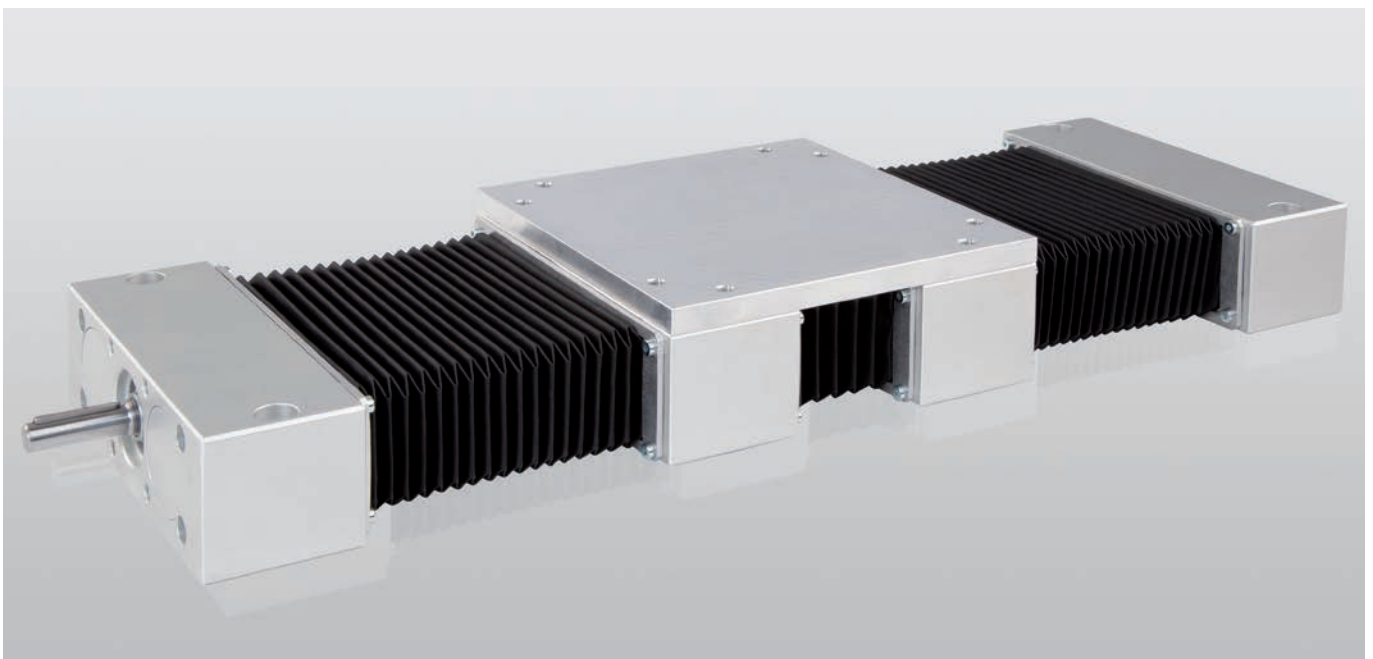
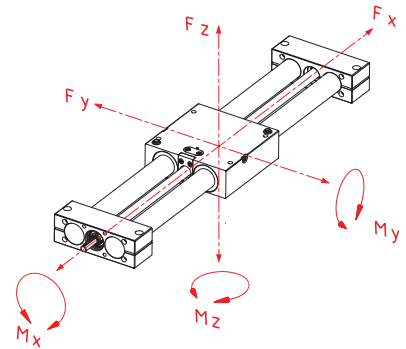


Image shows an EPX in the Protect version (with bellows)

# Technical data

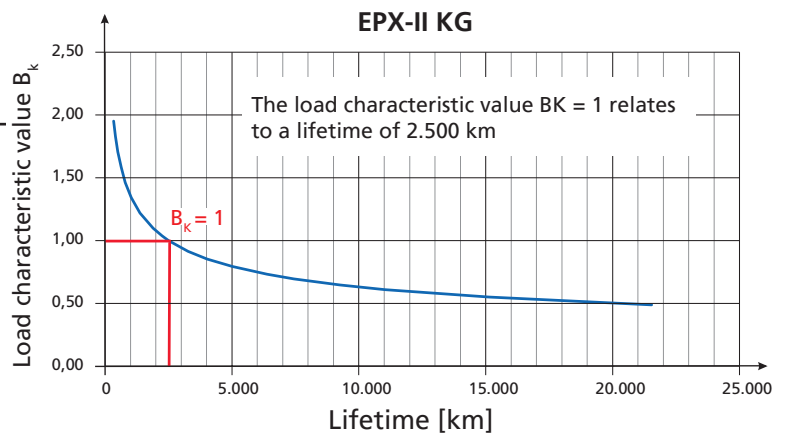
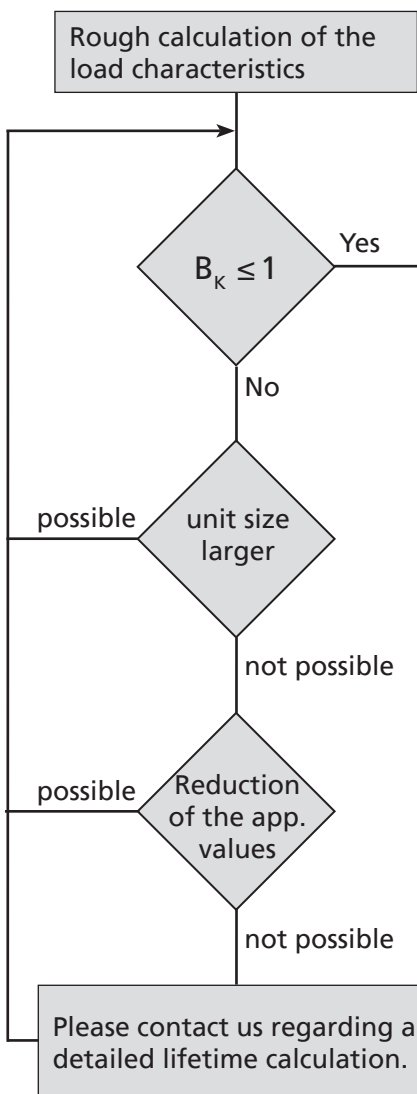
## Calculation of the load characteristic to define the lifetime

- The lifetime of linear units are in accordance with the average loads and moments of an application. The load characteristic can approximately calculated by following equation with simultaneously appearing load and moments.



$$\text{Load characteristic} = \frac{\text{Application values (z.B. } F_y)}{\text{Catalog values (z.B. } F_{y_{\max}})}$$

$$\text{Load characteristic } B_k = \frac{F_y}{F_{y_{\max}}} + \frac{F_z}{F_{z_{\max}}} + \frac{M_x}{M_{x_{\max}}} + \frac{M_y}{M_{y_{\max}}} + \frac{M_z}{M_{z_{\max}}} \leq 1$$



At a load characteristic value of  $B_k < 1$  higher theoretical lifetime can be achieved. The illustration is intended as an approximate reflection of the expected lifetime depending on the load characteristic value  $B_k$ . Increased speeds, short-stroke, vibrations, impacts, insufficient lubrication or other specific conditions are not taken into account.

Please contact us regarding a detailed lifetime calculation.

### Example:

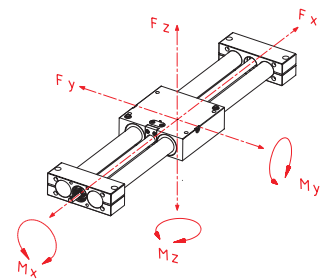
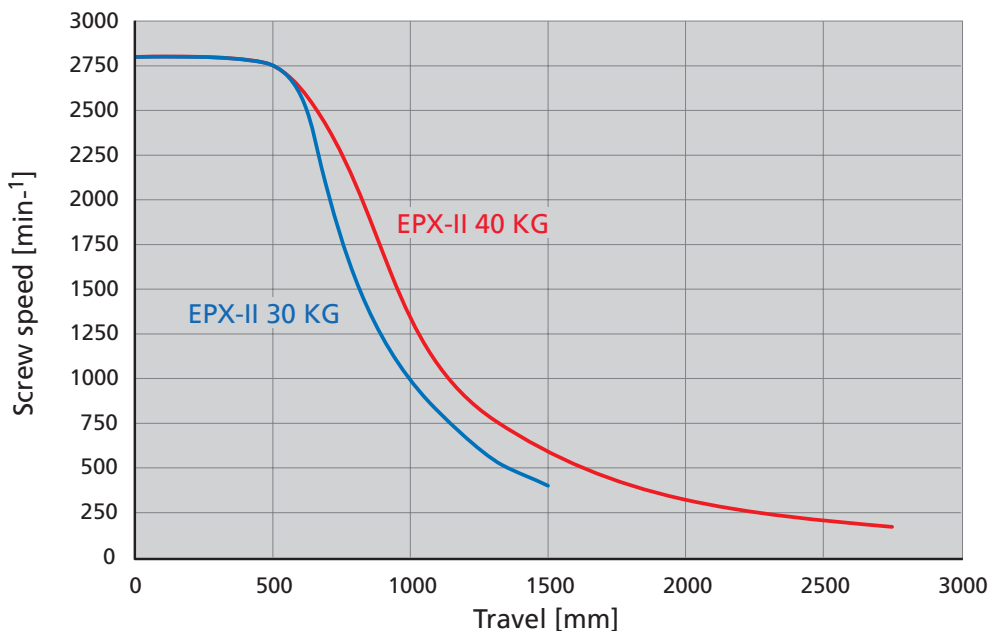
- The load and moments of the application are:  
 $F_z = 1200N$ ,  $M_x = 20 Nm$  und  $M_z = 45 Nm$   
 According to the above equation you will have following load characteristic of a EPX-II 30/40 KG:  $B_k = 0.83$ .



## General information / operating conditions

	EPX-II 30 KG	EPX-II 40 KG
Guide		Ball bushing
Installation position		Any position
Max. speed		0.24 m/s
Max. acceleration		10 m/s <sup>2</sup>
Repeatability		± 0.05 mm
Max. no-load torque	0.4 Nm	0.5 Nm
Drive	Ball screw, Ø16, pitch 5	Ball screw, Ø20, pitch 5
Lead accuracy	T7 (0.052 mm/300 mm)	
Duty cycle	S3, 100%	
Ambient temperature	0 to +60°C	
Protection class	Basic: no / Protect: IP 40	

## Control of Screw speed (Critical screw speed)



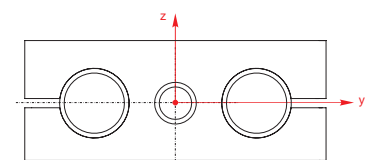
## Dynamic load data

- F Force [N]
- M Moment [Nm]
- I Geometric moment of inertia [cm<sup>4</sup>]

Type	F <sub>x</sub>	F <sub>y</sub>	F <sub>z</sub>	M <sub>x</sub>	M <sub>y</sub>	M <sub>z</sub>
<b>Compact guide carriage</b>						
EPX-II 30 KG	1000	1100	1100	70	85	99
EPX-II 40 KG	1200	2400	2400	160	190	220
<b>Extended guide carriage</b>						
EPX-II 30 KG	1000	1100	1100	70	100	120
EPX-II 40 KG	1200	2400	2400	160	250	280

## Geometric moment of inertia

Type	I <sub>y</sub>	I <sub>z</sub>
EPX-II 30 KG	3.83	124.13
EPX-II 40 KG	25.1	534



# Dimensions/ordering data

### Order instructions:

- Corrosion-protected units available on request
- Second non driven carriage available on request
- Scale upon request
- Other screw leads available on request

### Version:

- Right or lefthand thread



Code No.	Type	Spindle	Basic length	B	C	D1	D2	D3	F	G1	G2	H	J	L1	L2	M1	M2	M3
79_301_ _AA_ _ _ _	30	Tr 14x3	150	130	54	8	-	30 <sup>H8</sup>	2	M6 / 12 deep	M6 / 9 deep	27	50	26	-	40x30	114	70
79_303_ _AA_ _ _ _							8								26			
79_401_ _AA_ _ _ _	40	Tr 20x4	180	180	63	12	-	40 <sup>H8</sup>	3	M8 / 20 deep	M8 / 8 deep	31,5	60	38	-	46	160	90
79_403_ _AA_ _ _ _							12								38			
79_501_ _AA_ _ _ _	50	Tr 20x4	216	206	73	12	-	40 <sup>H8</sup>	1	M8 / 30 deep	M8 / 8 deep	36,5	72	38	-	46	184	100
79_503_ _AA_ _ _ _							12								38			

----- Total length = basic length + travel [mm] (Minimum travel: Basic 25 mm, Protect 120 mm)

**Version:**

- 1 = Basic
- 2 = Protect (For the Protect version, the stroke must be ordered longer than required by a factor of 1.5 due to the space required for installation of the bellows.)

A = standard

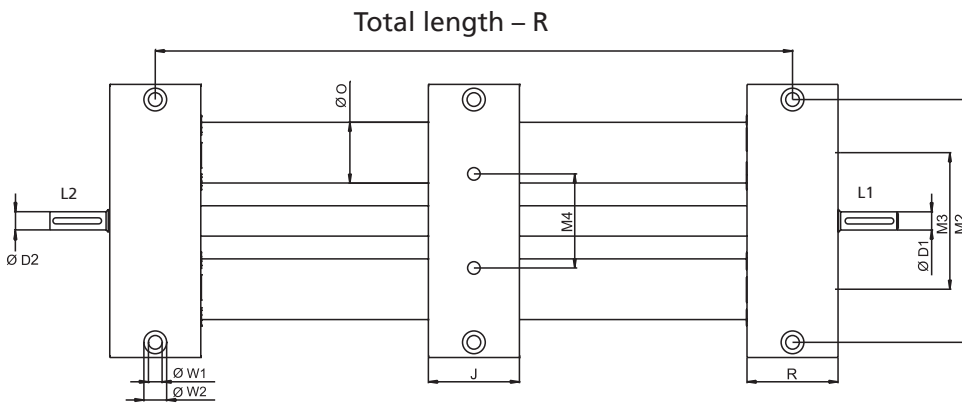
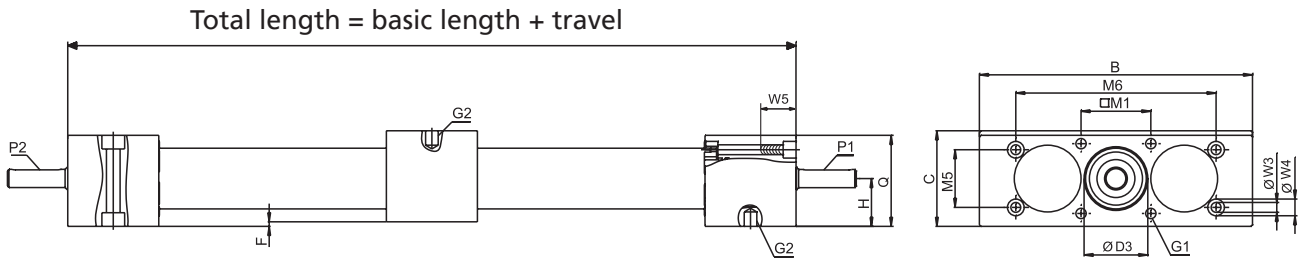
B = c/w integrated spindle clamping (Only with spindle bearing ball bearing)

**Spindle bearing:**

- 1 = ball bearing
- 0 = slide bearing

**Spindle version:**

- 1 = righthand thread
- 2 = lefthand thread



[mm]

M4	M5	M6	O	P1	P2	Q	R	W1	W2	W3	W4	W5	Max. travel	Mass [kg]	
														Basic length	per 100 mm travel
42	-	-	30	2x2x20	-	52	50	7	11 / 7 deep	-	-	-	1424	2,6	0,4
					2x2x20								1398		
62	38	132	40	4x4x32	-	60	60	9	15 / 9 deep	6,5	11 / 8,5 deep	M8 / 25 deep	2820	5,53	0,96
					4x4x32										
62	50	150	50	4x4x32	-	72	72	9	15 / 9 deep	9,3	15 / 10 deep	M10 / 30 deep	2784	8,37	1,5
					4x4x32										

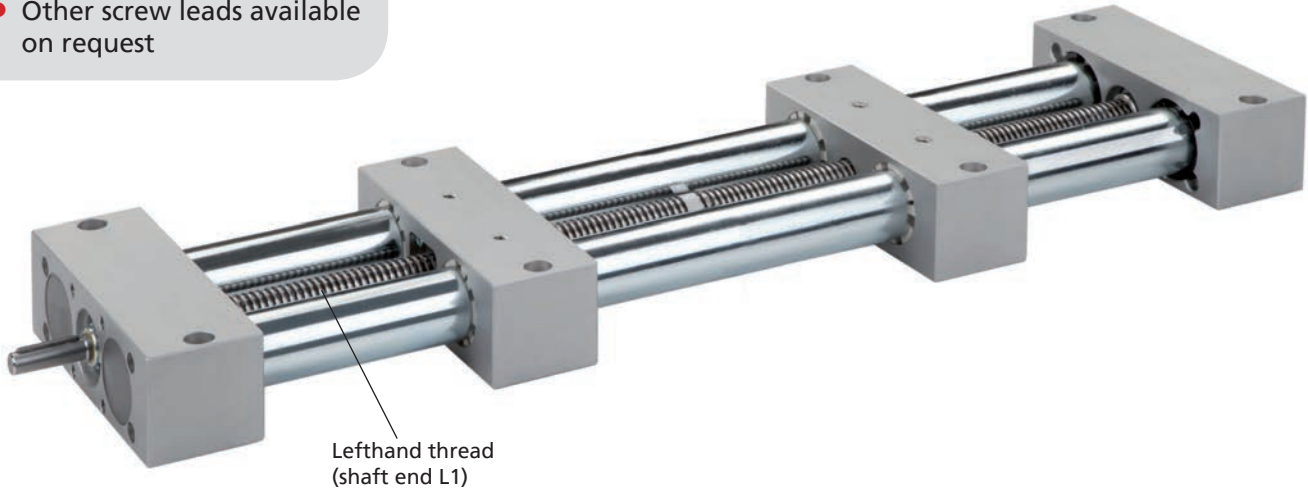
# Dimensions/ordering data

### Order instructions:

- Please specify basic length and total travel when placing an order
- Corrosion-protected units available on request
- Second non driven carriage available on request
- Scale upon request
- Protect: version with bellows optional (IP 40)
- Other screw leads available on request

### Version:

- Right and lefthand thread



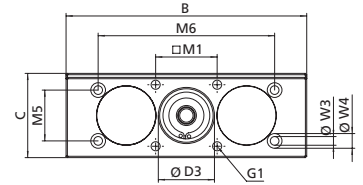
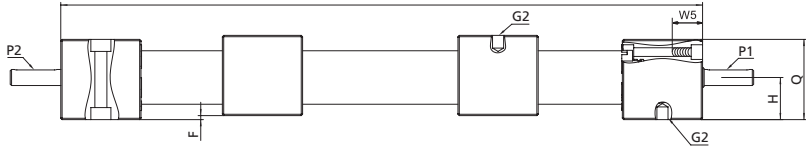
Code No.	Type	Spindle	Basic length	B	C	D1	D2	D3	F	G1	G2	H	J	L1	L2	M1	M2	M3
793301_1AA	30	Tr 14x3	200	130	54	8	-	30 <sup>H8</sup>	2	M6 / 12 deep	M6 / 9 deep	27	50	26	-	40x30	114	70
793303_1AA							8								26			
793401_1AA	40	Tr 20x4	240	180	63	12	-	40 <sup>H8</sup>	3	M8 / 20 deep	M8 / 8 deep	31,5	60	38	-	46	160	90
793403_1AA							12								38			
793501_1AA	50	Tr 20x4	288	206	73	12	-	40 <sup>H8</sup>	1	M8 / 30 deep	M8 / 8 deep	36,5	72	38	-	46	184	100
793503_1AA							12								38			

\_\_\_\_\_ Total length = basic length + total travel [mm] (minimum total travel 50 mm)

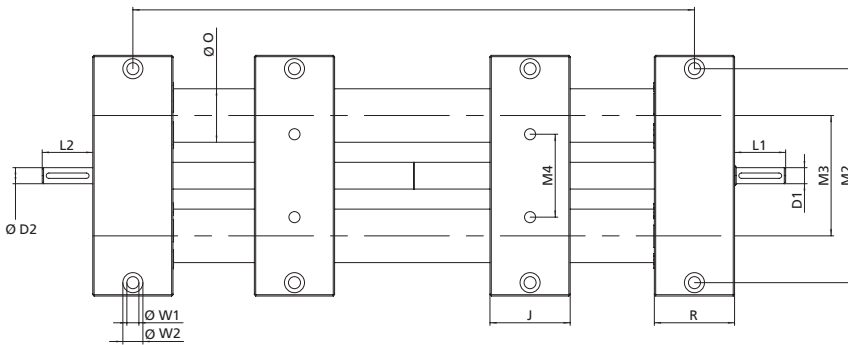
A = standard  
 B = c/w integrated spindle clamping (Only with spindle bearing ball bearing)

Spindle bearing:  
 1 = ball bearing  
 0 = slide bearing

Total length = basic length + travel



Total length – R



[mm]

M4	M5	M6	O	P1	P2	Q	R	W1	W2	W3	W4	W5	Max. travel	Mass [kg]	
														Basic length	per 100 mm Hub
42	-	-	30	2x2x20	- 2x2x20	52	50	7	11 / 7 deep	-	-	-	1800	3,43	0,4
62	38	132	40	4x4x32	- 4x4x32	60	60	9	15 / 9 deep	6,5	11 / 8,5 deep	M8 / 25 deep	2760	7,73	0,96
62	50	150	50	4x4x32	4x4x32	72	72	9	15 / 9 deep	9,3	15 / 10 deep	M10 / 30 deep	2712	11,07	1,5

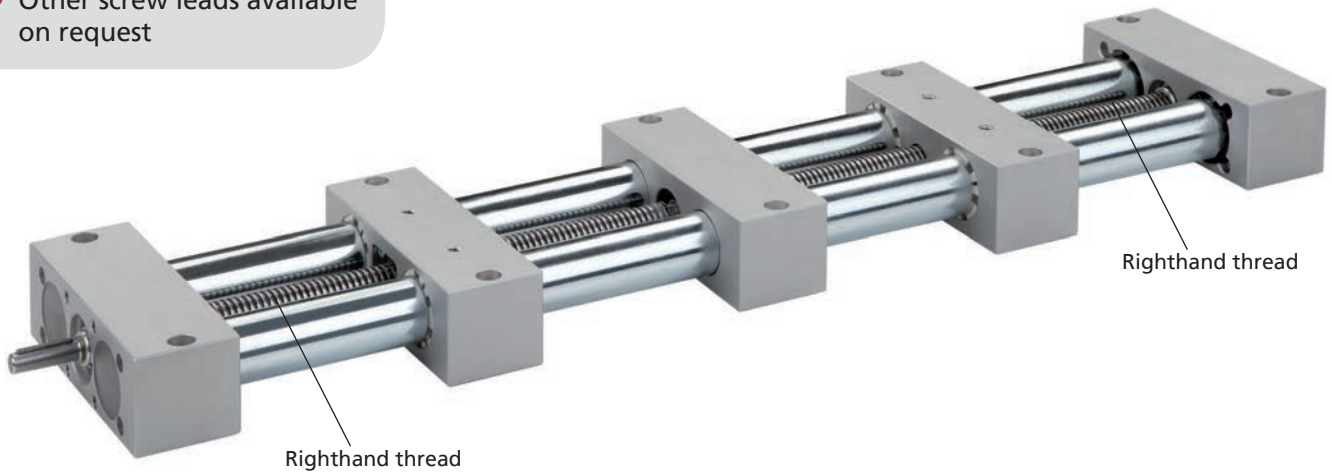
# Dimensions/ordering data

### Order instructions:

- Please specify basic length and total travel when placing an order
- Corrosion-protected units available on request
- Second non driven carriage available on request
- Scale upon request
- Protect: version with bellows optional (IP 40)
- Other screw leads available on request

### Version:

- Split screw

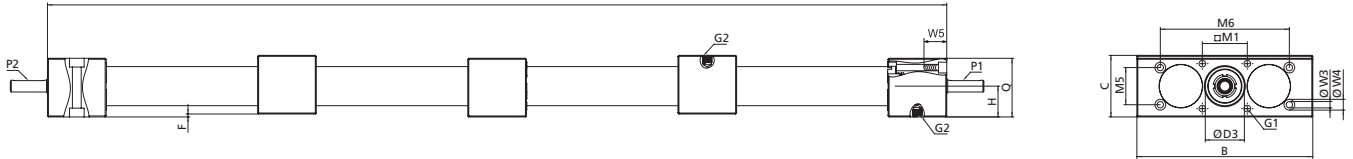


Code No.	Type	Spindle	Basic length	B	C	D1	D2	D3	F	G1	G2	H	J	L1	L2	M1	M2	M3
7943031_1AA_	30	Tr 14x3	250	130	54	8	8	30 <sup>H8</sup>	2	M6 / 12 deep	M6 / 9 deep	27	50	26	26	40x30	114	70
7944031_1AA_	40	Tr 20x4	300	180	63	12	12	40 <sup>H8</sup>	3	M8 / 20 deep	M8 / 8 deep	31,5	60	38	38	46	160	90
7945031_1AA_	50	Tr 20x4	360	206	73	12	12	40 <sup>H8</sup>	1	M8 / 30 deep	M8 / 8 deep	36,5	72	38	38	46	184	100

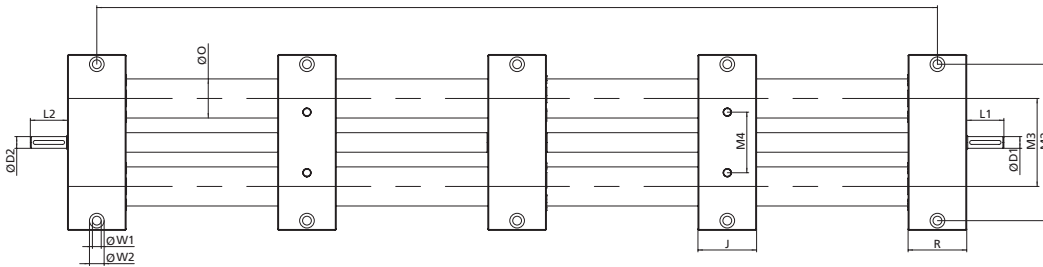
\_\_\_\_\_ Total length = basic length + total travel [mm] (minimum total travel 50 mm)

A = standard  
B = c/w integrated spindle clamping

Total length = basic length + travel



Total length – R



[mm]

M4	M5	M6	O	P1	P2	Q	R	W1	W2	W3	W4	W5	Max. travel	Mass [kg]	
													Basic length	per 100 mm travel	
42	-	-	30	2x2x20	2x2x20	52	50	7	11 / 7 deep	-	-	-	1375	4,2	0,4
62	38	132	40	4x4x32	4x4x32	60	60	9	15 / 9 deep	6,5	11 / 8,5 deep	M8 / 25 deep	2700	9,32	0,96
62	50	150	50	4x4x32	4x4x32	72	72	9	15 / 9 deep	9,3	15 / 10 deep	10 / 30 deep	2640	14,11	1,15

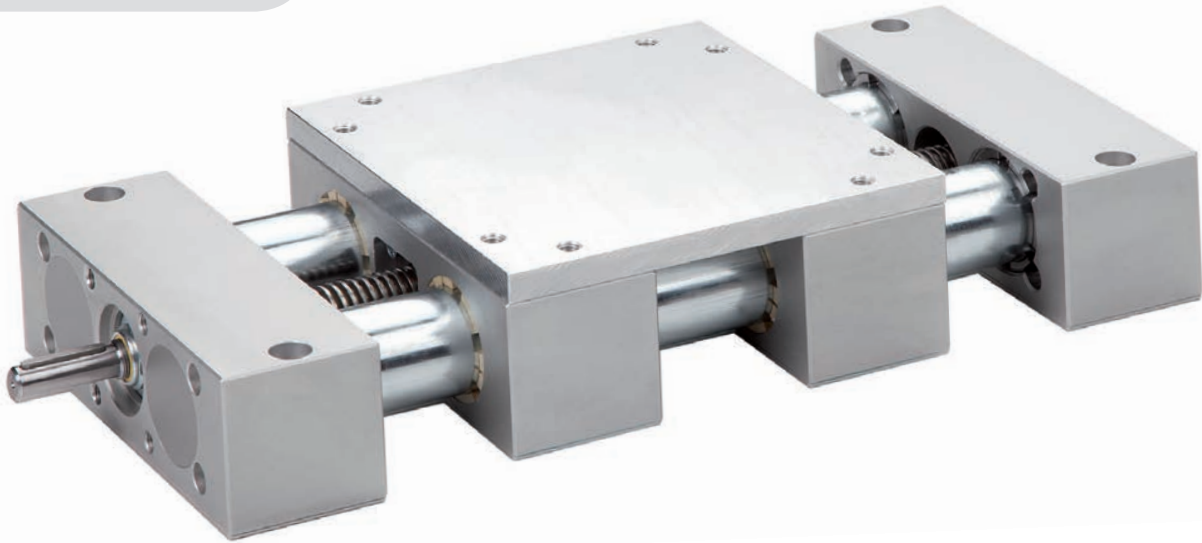
# Dimensions/ordering data

**Order instructions:**

- Corrosion-protected units available on request
- Second non driven carriage available on request
- Scale upon request
- Other screw leads available on request

**Version:**

- Right or lefthand thread



Code No.	Type	Spindle	Basic length	B	C	D1	D2	D3	F	G1	G2	G3	H	H2	J	L1	L2	M1	M2
79_301__AA__	30	Tr 14x3	230	130	64	8	-	30 <sup>H8</sup>	2	M6 / 12 deep	M6	M6 / 9 deep	27	10	130	26	-	40x30	114
79_303__AA__							8										26		
79_401__AA__	40	Tr 20x4	300	180	75	12	-	40 <sup>H8</sup>	3	M8 / 20 deep	M8	M8 / 8 deep	31,5	12	180	38	-	46	160
79_403__AA__							12										38		
79_501__AA__	50	Tr 20x4	350	206	73	12	-	40 <sup>H8</sup>	1	M8 / 30 deep	M8	M8 / 8 deep	36,5	15	206	46	184	100	184
79_503__AA__							12												

----- Total length = basic length + travel [mm] (Minimum travel: Protect 120 mm)

**Version:**

- 1 = Basic
- 2 = Protect (For the Protect version, the stroke must be ordered longer than required by a factor of 1.5 due to the space required for installation of the bellows.)

**A = standard**

- B = c/w integrated spindle clamping (Only with spindle bearing ball bearing)

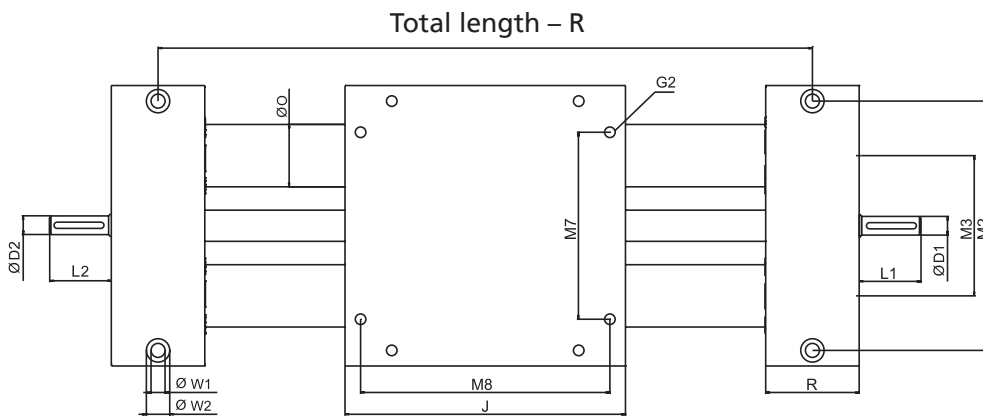
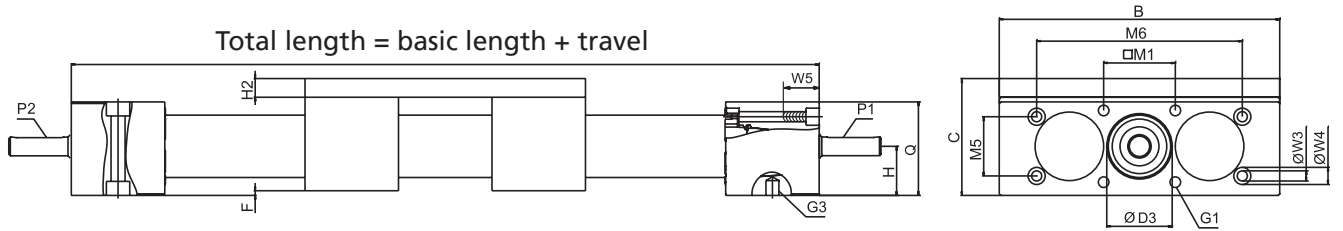
**Spindle bearing:**

- 1 = ball bearing
- 0 = slide bearing

**Spindle version:**

- 5 = righthand thread
- 6 = lefthand thread





[mm]

M3	M5	M6	M7	M8	O	P 1	P 2	Q	R	W1	W2	W3	W4	W5	Max. travel	Mass [kg]	
																Basic length	per 100 mm travel
70	-	-	80	114	30	2x2x20	-	52	50	7	11 / 7 deep	-	-	-	1344	4,1	0,4
							2x2x20								1318		
90	38	132	120	160	40	4x4x32	-	60	60	9	15 / 9 deep	6,5	11 / 8,5 deep	M8 / 25 deep	2700	8,95	0,96
100	50	150	134	184	50	4x4x32	-	72	72	9	15 / 9 deep	9,3	15 / 10 deep	M10 / 30 deep	2650	13,56	1,15
						4x4x32											

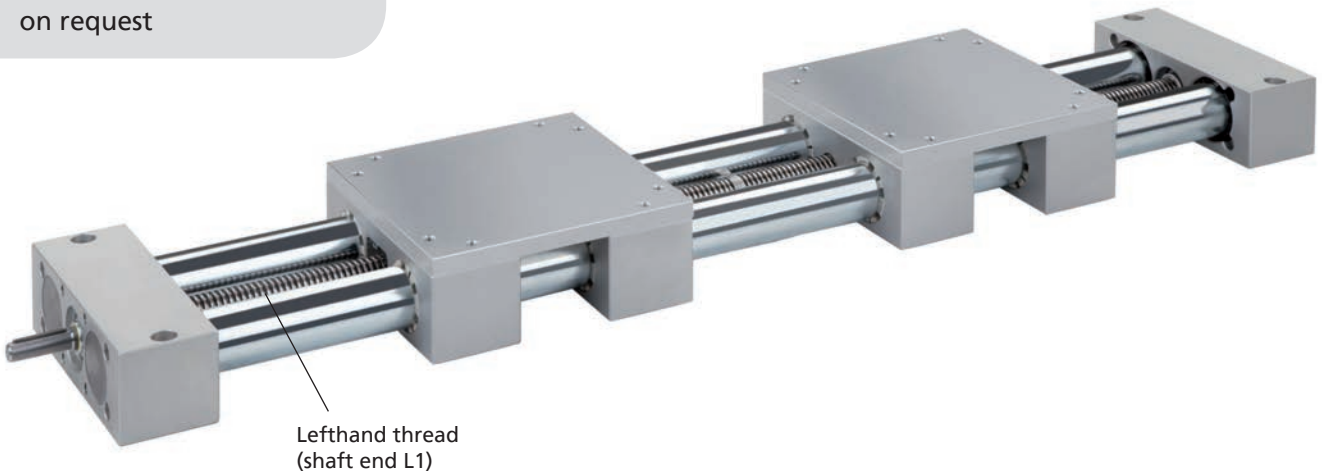
# Dimensions/ordering data

### Order instructions:

- Please specify basic length and total travel when placing an order
- Corrosion-protected units available on request
- Second non driven carriage available on request
- Scale upon request
- Protect: version with bellows optional (IP 40)
- Other screw leads available on request

### Version:

- Right and lefthand thread



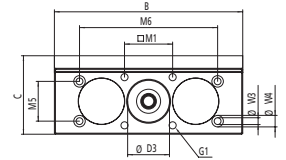
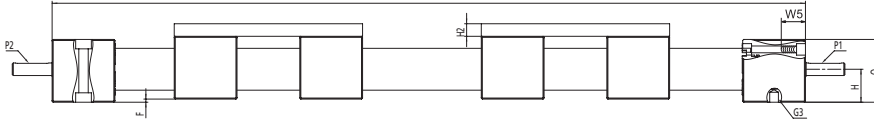
Code No.	Type	Spindle	Basic length	B	C	D1	D2	D3	F	G1	G2	G3	H	H2	J	L1	L2	M1	M2
797301_1AA	30	Tr 14x3	360	130	64	8	-	30 H <sup>8</sup>	2	M6 / 12 deep	M6	M6 / 9 deep	27	10	130	26	-	40x30	114
797303_1AA							8										26		
797401_1AA	40	Tr 20x4	480	180	75	12	-	40 H <sup>8</sup>	3	M8 / 20 deep	M8	M8 / 8 deep	31,5	12	180	38	-	46	160
797403_1AA							12										38		
797501_1AA	50	Tr 20x4	556	206	73	12	-	40 H <sup>8</sup>	1	M8 / 30 deep	M8	M8 / 8 deep	36,5	15	206	46	184	100	184
797503_1AA							12												

----- Total length = basic length + travel [mm]

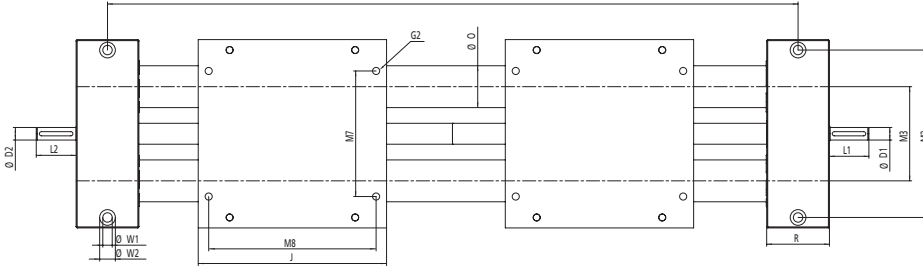
A = standard  
 B = c/w integrated spindle clamping (Only with spindle bearing ball bearing)

**Spindle bearing:**  
 1 = ball bearing  
 0 = slide bearing

Total length = basic length + travel



Total length - R



[mm]

M3	M5	M6	M7	M8	O	P 1	P 2	Q	R	W1	W2	W3	W4	W5	Max. travel	Mass [kg]	
																Basic length	per 100 mm Hub
70	-	-	80	114	30	2x2x20	- 2x2x20	52	50	7	11 / 7 deep	-	-	-	1640	6,3	0,4
90	38	132	120	160	40	4x4x32	- 4x4x32	60	60	9	15 / 9 deep	6,5	11 / 8,5 deep	M8 / 25 deep	2520	14,17	0,96
100	50	150	134	184	50	4x4x32	- 4x4x32	72	72	9	15 / 9 deep	9,3	15 / 10 deep	15 / 10 deep	2444	21,46	1,15

# Dimensions/ordering data

### Order instructions:

- Please specify basic length and total travel when placing an order
- Corrosion-protected units available on request
- Second non driven carriage available on request
- Scale upon request
- Protect: version with bellows optional (IP 40)
- Other screw leads available on request

### Version:

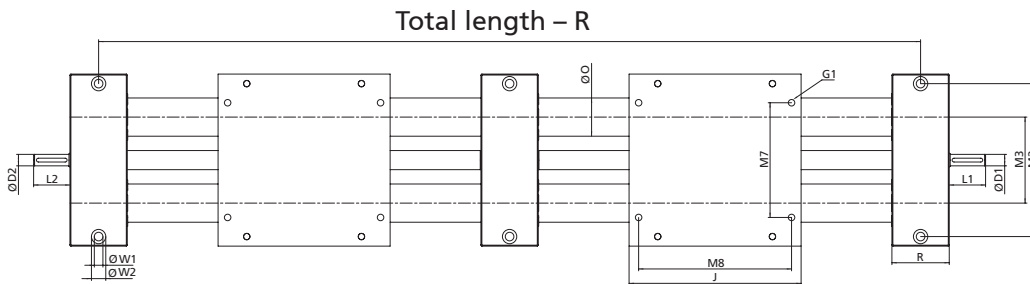
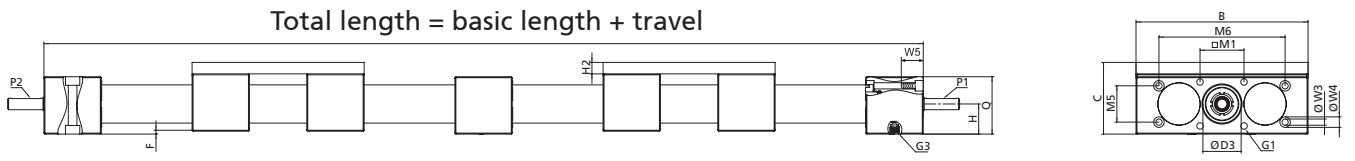
- Split screw



Code No.	Type	Spindle	Basic length	B	C	D1	D2	D3	F	G1	G2	G3	H	H2	J	L1	L2	M1	M2
7983031_1AA_	30	Tr 14x3	410	130	64	8	8	30 <sup>H8</sup>	2	M6 / 12 deep	M6	M6 / 9 deep	27	10	130	26	26	40x30	114
7984031_1AA_	40	Tr 20x4	540	180	75	12	12	40 <sup>H8</sup>	3	M8 / 20 deep	M8	M8 / 8 deep	31,5	12	180	38	38	46	160
7985031_1AA_	50	Tr 20x4	628	206	73	12	12	40 <sup>H8</sup>	1	M8 / 20 deep	M8	M8 / 8 deep	36,5	15	206	46	184	100	184

\_\_\_\_\_ Total length = basic length + travel [mm]

A = standard  
B = c/w integrated spindle clamping



[mm]

M3	M5	M6	M7	M8	O	P 1	P 2	Q	R	W1	W2	W3	W4	W5	Max. travel	Mass [kg]	
																Basic length	per 100 mm travel
70	-	-	80	114	30	2x2x20	2x2x20	52	50	7	11 / 7 deep	-	-	-	1295	7,2	0,4
90	38	132	120	160	40	4x4x32	4x4x32	60	60	9	15 / 9 deep	6,5	11 / 8,5 deep	M8 / 25 deep	2460	16,16	0,96
100	50	150	134	184	50	4x4x32	4x4x32	72	72	9	15 / 9 deep	9,3	15 / 10 deep	10 / 30 deep	2372	24,5	1,15

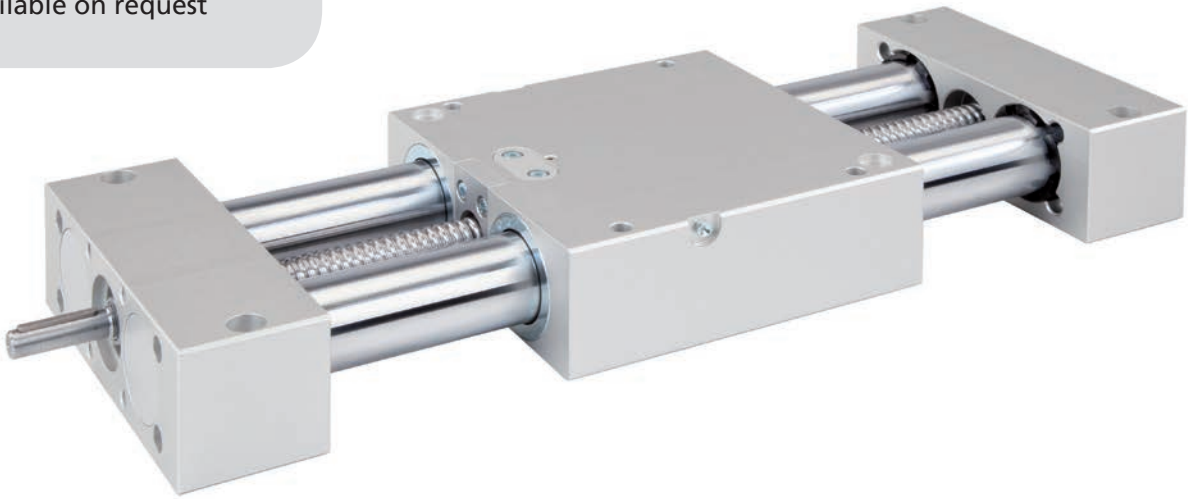
# Dimensions/ordering data

### Order instructions:

- Without drive (Ball screw drive) available on request
- Second shaft end available on request
- Second non driven carriage available on request
- Split screw available on request
- For further screw leads available on request

### Version:

- Righthand thread



Code No.	Type	Spindle	Basic length	B	C	D1	D3	F	G1	G3	H	J1	J2	L1	M1	M2
79A3011A_ AAA_ _ _ _	30	KG 16x5	190	130	54	8	30 <sup>H8</sup>	2	M6 / 16 deep	M6 / 12 deep	27	90	-	26	40x30	114
79A3011A_ ABA_ _ _ _	30 with extended guide carriage		230									-	130			
79A4011A_ AAA_ _ _ _	40	KG 20x5	250	180	63	12	40 <sup>H8</sup>	3	M8 / 20 deep	M8 / 12 deep	31.5	130	-	38	46	160
79A4011A_ ABA_ _ _ _	40 with extended guide carriage		300									-	180			

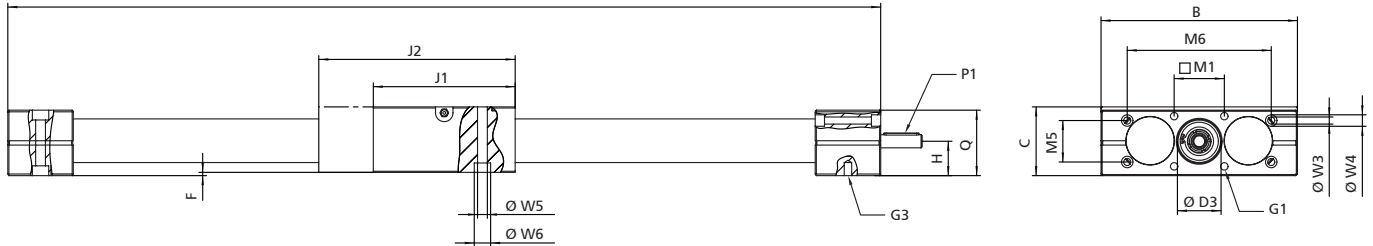
\_\_\_\_\_ Total length = basic length + travel [mm] (Minimum travel: Basic 50 mm, Protect 120 mm)

**Version:**

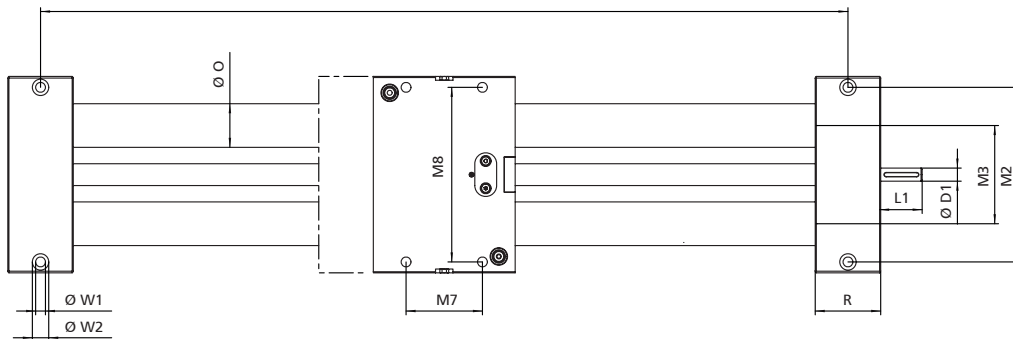
1 = Basic

2 = Protect (For the Protect version, the stroke must be ordered longer than required by a factor of 1.5 due to the space required for installation of the bellows.)

Total length = basic length + travel



Total length – R



M3	M5	M6	M7	M8	O	P 1	Q	R	W1	W2	W3	W4	W5	W6	max. Hub	Mass [kg]	
																Basic length	pro 100 mm travel
70	35	92	30	114	25	2x2x20	52	50	7	11 / 7 deep	M6	9 / 6 deep	6,6	11 / 8,6 deep	1310	4.5	0.93
			1270												5.4	0.93	
90	38	132	70	160	40	4x4x32	60	60	9	15 / 9 deep	M8	10,5 / 8,5 deep	9	15 / 8,6 deep	2250	9.80	2.22
			2200												11.92	2.22	

# Fixation

## Centering Sets for EPX-II KG

- The following positions could be defined exactly during the design process per set
  - Load capacity
  - Linear unit
- Reproducible position of the load capacity
- Reduced assembly/disassembly time of the load capacity or the linear unit
- Accuracy of the centering bolts h6
- **To use for all EPX-II KG linear units in Basic and Protect design**

**Scope of delivery per set:**  
2 centering bolts and fixing material

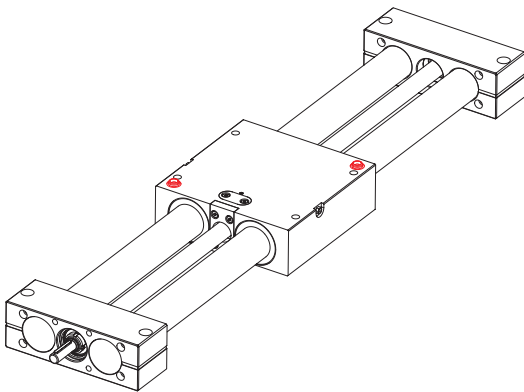
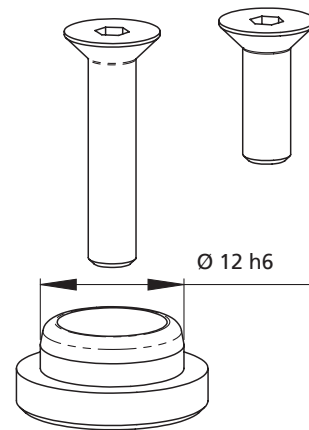


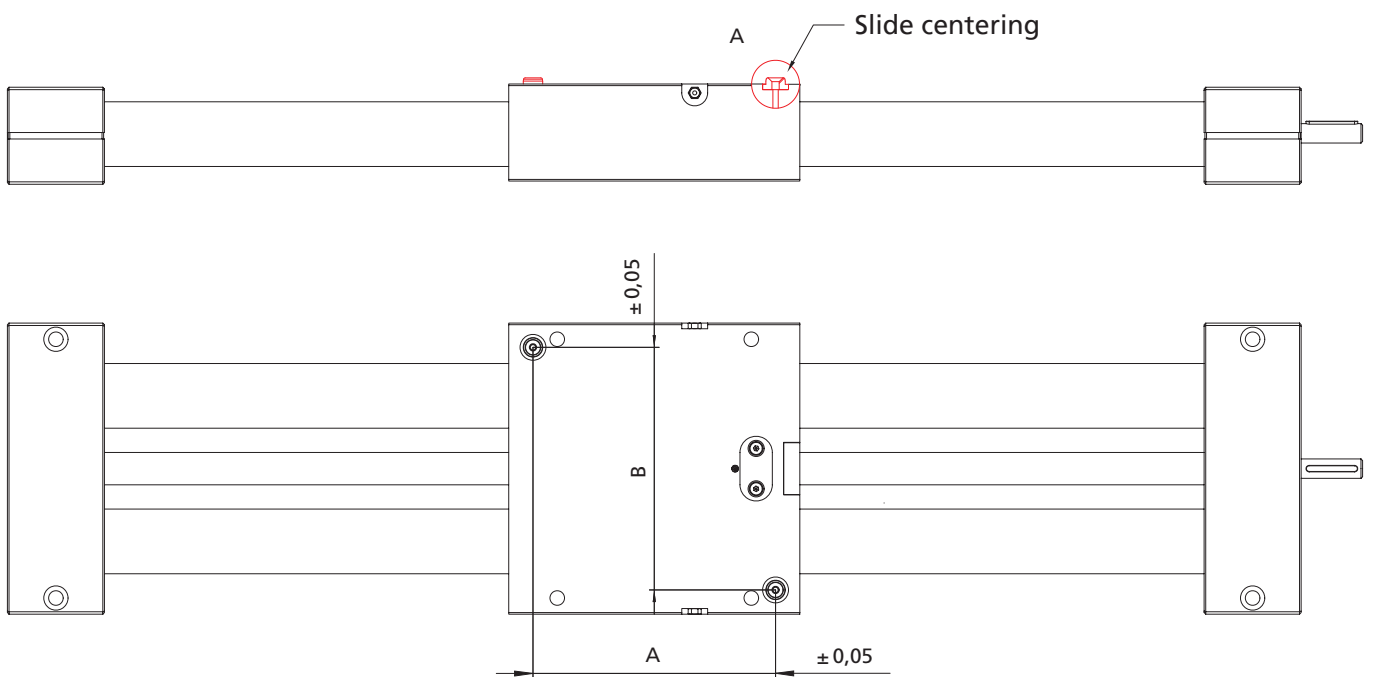
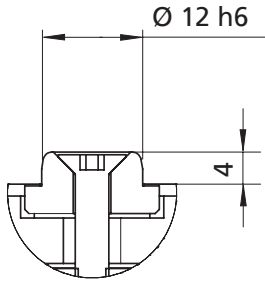
Fig. 1: Slide centering



Size -B-

Code No.	Type	Use for
91899	Centering Set Size -B-	Slide centering EPX-II 30/40 KG





[mm]

Type	A	B
EPX-II 30 KG	60	100
EPX-II 30 KG with extended guide carriage	100	100
EPX-II 40 KG	100	150
EPX-II 40 KG with extended guide carriage	150	150

## Fixation

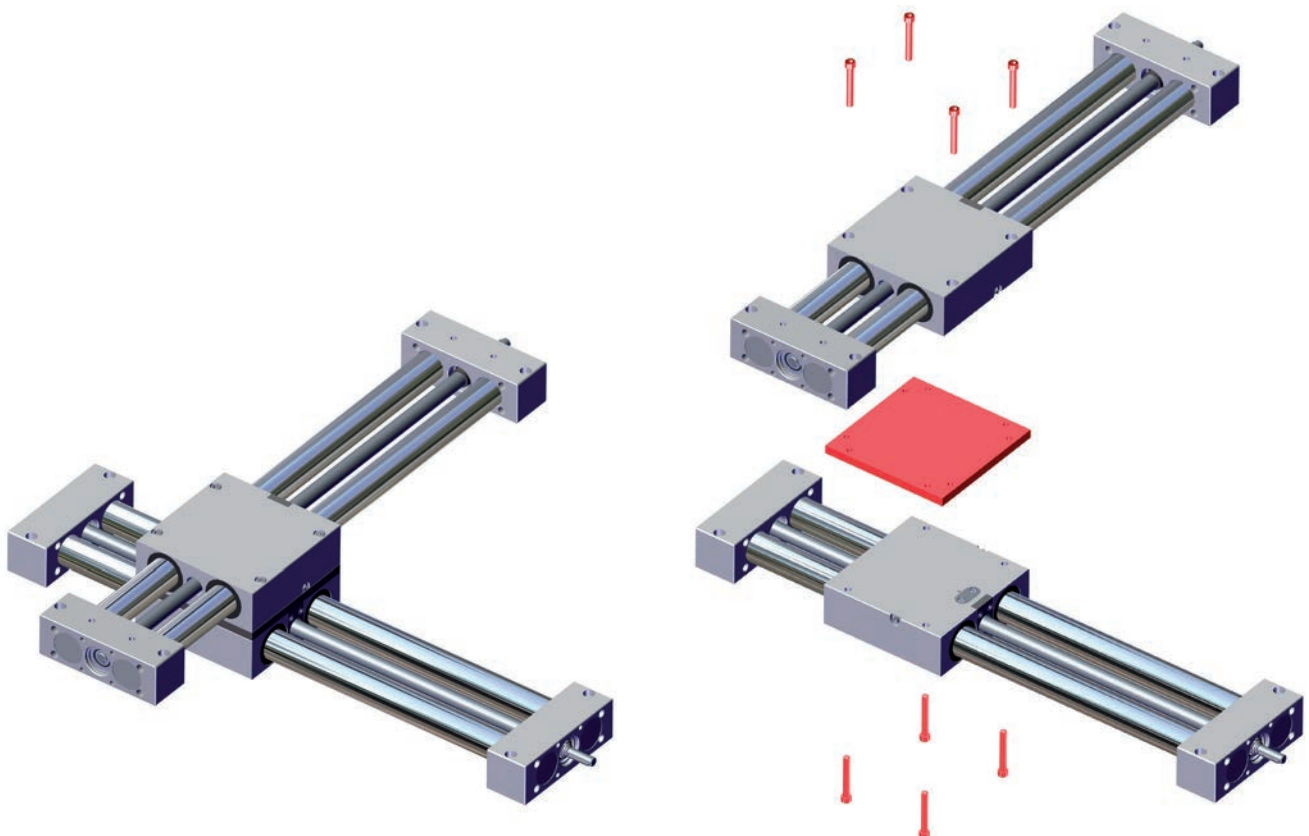
### Adapter sets for crossing combinations

- For crossing combination of EPX-II units of the same size
- An extended carriage is required for EPX-II KG
- Crossing combinations of EPX-II KG with extended carriage to EPX-II with trapezoidal screw possible
- Regardless of Basic or Protect version

Scope of delivery per set – Fig. 1:  
Adapter plate and Fixing screws

Scope of delivery per set – Fig. 2:  
Fixing screws

**Fig. 1:**  
Crossing combination of two EPX-II with ball screw and extended carriage

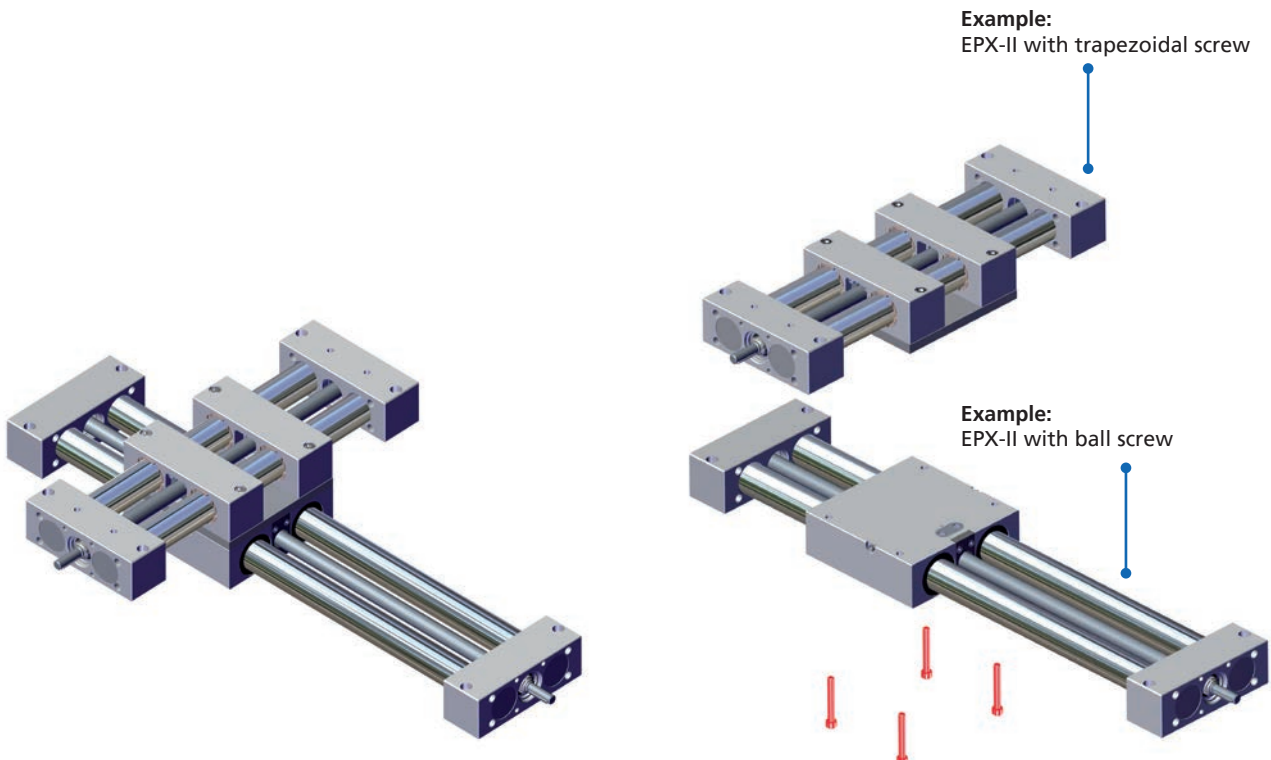


Code No.	Type	Use for
955115	Fig. 1	EPX-II 30
955116	Fig. 1	EPX-II 40
955117	Fig. 2	EPX-II 30
955118	Fig. 2	EPX-II 40

**Order example – Fig. 1:**  
 Crossed arrangement of two  
 EPX-II 40 Basic with ball screw  
 One total length 400mm,  
 once total length 800mm

**Order:**  
 1x 79A4011A1ABA00400  
 1x 79A4011A1ABA00800  
 1x 955116

**Fig. 2:**  
 Crossing combination of an EPX-II with ball screw  
 and extended carriage with an EPX-II with trapezoidal screw



# Drive

## Handwheel

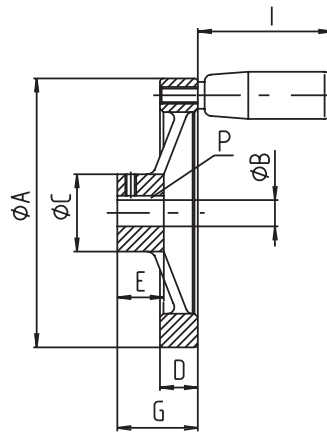
**Material:** Die-cast aluminium, black powder-coated



Diam. 140-200



Diam. 60-100



Code No.	Type	ØA	B	C	D	E	G	P	I
90913	30	100	8	28	14	17	30	2x2	52
90915	40/50	100	12	28	14	17	30	4x4	52
90905	40/50	140	12	36	16,5	19,5	36	4x4	66

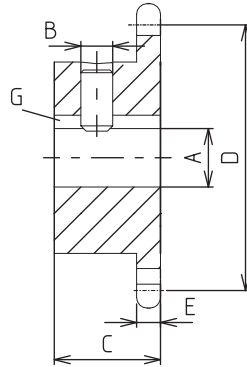
[mm]

## Chain wheel



- Other sizes on request

**Material:** Steel, 500 N/mm<sup>2</sup> min.



[mm]

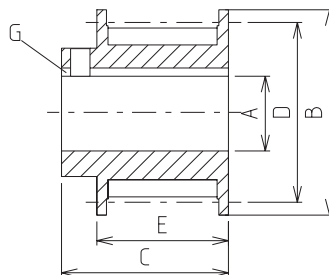
Code No.	Type	A	B	C	D	E	G	No. of teeth	Size
91703	30	8	M6	18	41.1	4.5	2x2	10	1/2 x 3/16"
91704	40	12	M6	20	53	4.5	4x4	13	1/2 x 3/16"
91705	50	12	M6	20	61	4.5	4x4	15	1/2 x 3/16"

## HTD timing belt pulley



- Suitable for maintenance-free continuous operation
- Excellent accuracy and zero backlash during change of direction
- Clampable on feather key

**Material:** Steel



[mm]

Code No.	Type	A	B	C	D	E	G	Tensile force	Pitch
92103	30	8	23	20	19.09	14.5	2x2	220 N	5
92105	40/50	12	32	26	28.65	20.5	4x4	330 N	5

# Drive

### Order instruction:

- When using angle drives, only use linear units with ball bearings

### Angular drive

- Fits all EP(X)-II linear units 30-50 with trapezoidal screw
- No shaft extension or adapter necessary
- Can be retrofitted
- Low noise level
- Suitable for manual adjustment and motorized via EHL or unit drive LZ

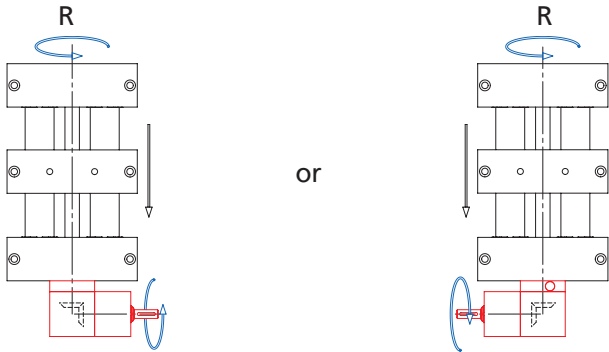


### Technical data

Angular Drive												
Type	Duty cycle		Ambient temperature		Drive speed		Nominal torque [Nm]		Max. torque* [Mm]		Efficiency [%]	
	L	T	L	T	L	T	L	T	L	T	L	T
30	S3 30% basis 1h		0°C to +60°C		0 to 350 min <sup>-1</sup>		1.90	0.95	8		95	90
40							2.90	1.45	12		95	90
50							4.70	2.35	17		95	90

\*Briefly. Not a permanent moment. Block travel not permitted.

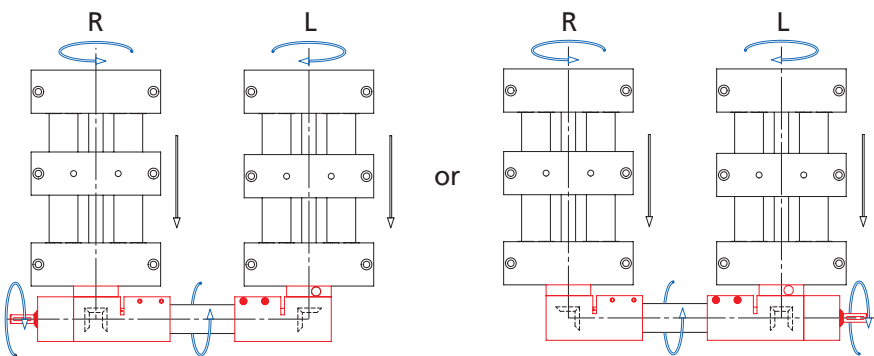
## Configuration examples



or

### Components needed:

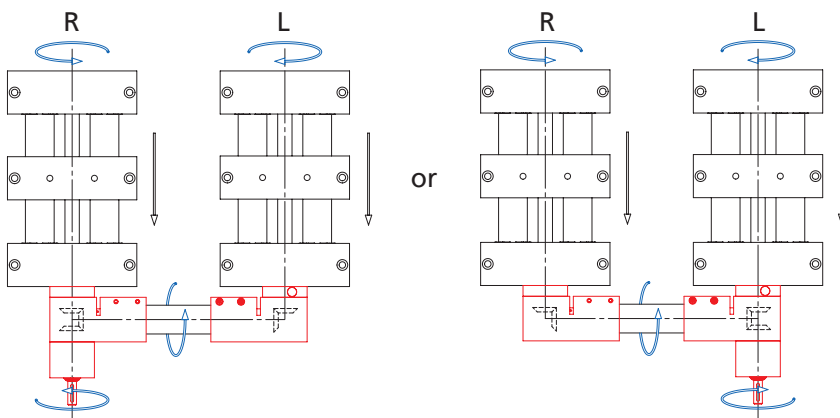
- 1x EP(X)-II with righthand thread
- 1x Angular drive – L
- 1x Flange bearing unit



or

### Components needed:

- 1x EP(X)-II with righthand thread
- 1x EP(X)-II with lefthand thread
- 2x Angular drive – T
- 1x Flange bearing unit
- 1x Transmission unit



or

### Components needed:

- 1x EP(X)-II with righthand thread
- 1x EP(X)-II with lefthand thread
- 2x Angular drive – T
- 1x Flange bearing unit
- 1x Transmission unit

# Drive

**Order instruction:**

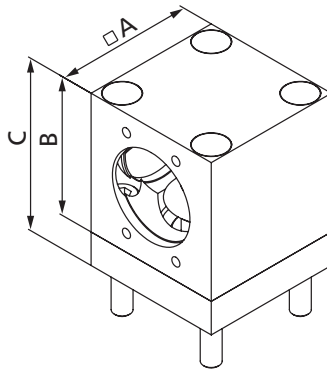
- When adapting an hand-wheel or positioning-indicator a flange bearing unit is still required

- For 90° arrangement of the handwheel, EHL or unit drive LZ on an EP(X)-II linear unit

**Scope of delivery:**

Housing, 1 Plastic-bevel gear with adjusting ring, screws and closing caps

## Angular drive – L



[mm]					
Code No.	Type	i	A	B	C
91530F1F1A	30	1:1	52	52	61
91531F1F1A	40	1:1	62	62	77
91532F1F1A	50	1:1	72	72	87

**Order instruction:**

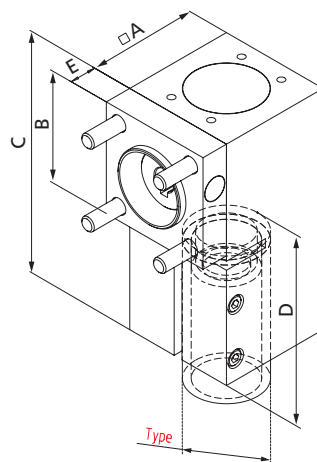
- When adapting an hand-wheel or positioning-indicator a flange bearing unit is still required

- For synchronization of two EP(X)-II linear units
- Suitable for manual adjustment, via EHL or unit drive LZ

**Scope of delivery:**

Housing, 2 Plastic-bevel gears with adjusting rings, screws and closing caps

## Angular drive – T



[mm]							
Code No.	Type	i	A	B	C	D	E
91530G1F1A	30	1:1	52	52	102	39	9
91531G1F1A	40	1:1	62	62	134	55	15
91532G1F1A	50	1:1	72	72	153	66	15



**Order instruction:**

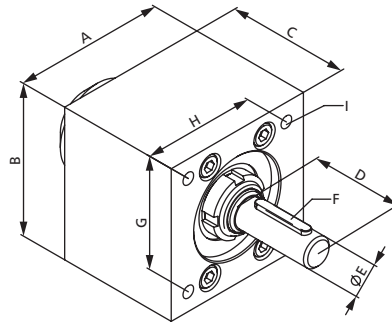
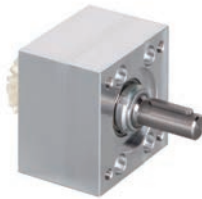
- When adapting an EHL or the unit drive LZ S, a motor adapter is still required

- For adaptation of the hand-wheel or position indicator on the angular drive
- When adapting an EHL or the unit drive LZ S, a motor adapter is still required

**Scope of delivery:**

Housing, 1 Plastic-bevel gear with shim rings and screws

**Flange bearing unit**



[mm]

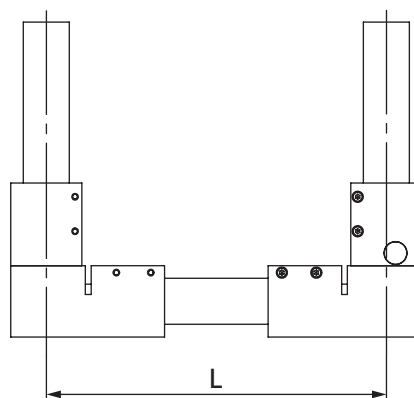
Code No.	Type	A	B	C	D	E	F	G	H	I
91540H1F1A	30	52	52	40	24	8	2x2x20	30	40	4xM6-12 deep
91541H1F1A	40	62	62	50	38	12	4x4x25	46	46	4xM6-12 deep
91542H1F1A	50	72	72	74	38	12	4x4x32	46	46	4xM6-16 deep

**Transmission unit**

- For torque transmission with parallel linear units

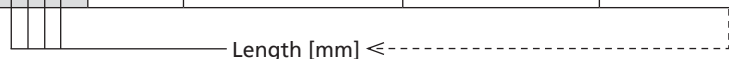
**Material:**

Tube and bearing elements zinc plated steel, shaft bright



[mm]

Code No.	Type	Basic length (minimum length)	Max. length	Required length
92523_ _ _ _	30	160	3074	L - 74
92544_ _ _ _	40	210	3096	L - 96
92555_ _ _ _	50	240	3102	L - 102



# Drive

### Order instruction:

- When using angle drives, only use linear units with ball bearings

### Angular drive

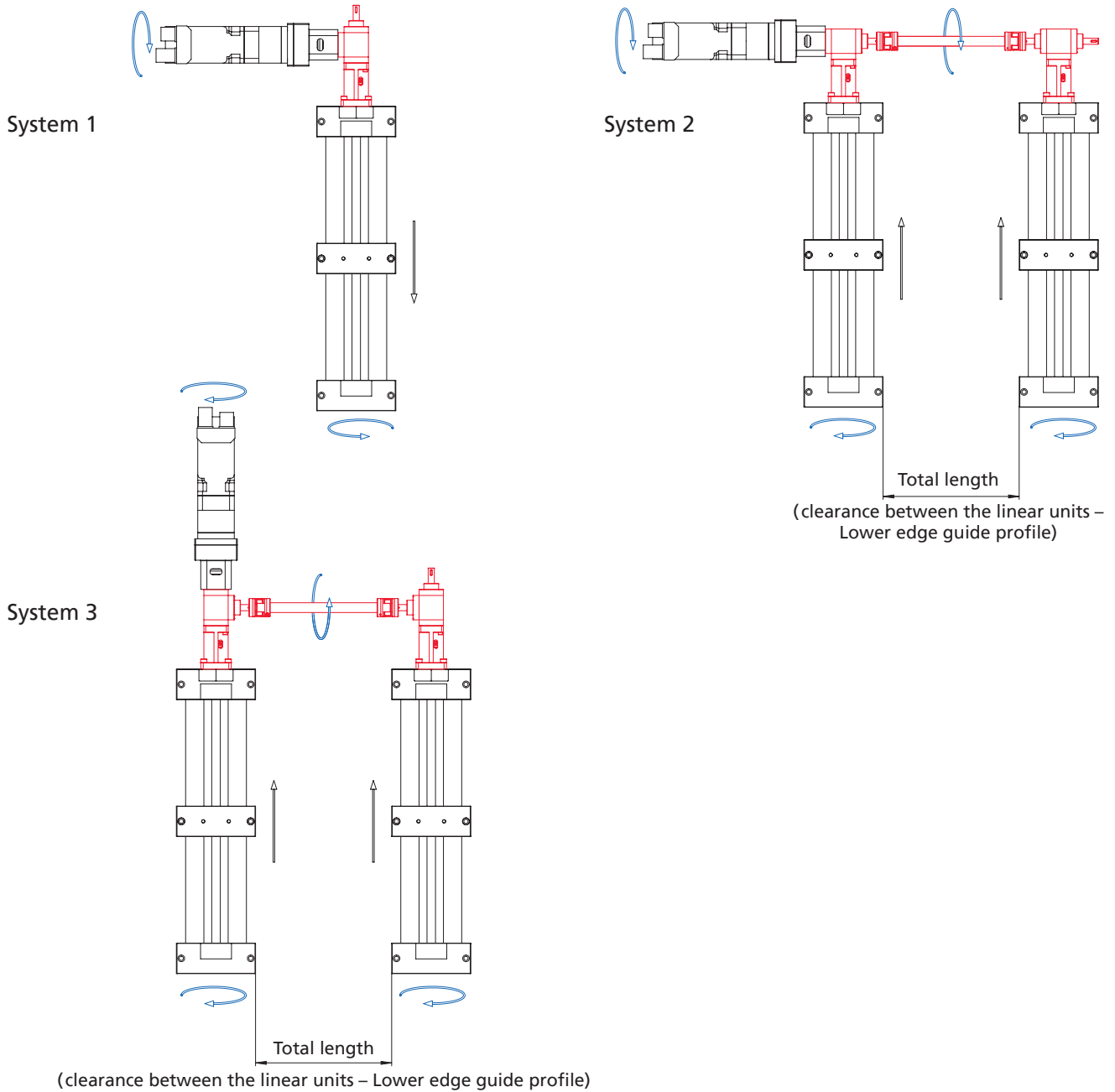
- Fits all EP(X)-II linear units 30-50 **with trapezoidal screw**
- No shaft extension or adapter necessary
- Can be retrofitted
- Low noise level
- **Suitable for adjustment with servo, stepper or three-phase motor**



### Technical data angular drive

	For EP(X)-II 30 - 50	
Reduction		1:1
Drive speed	min <sup>-1</sup>	0-350
Duty cycle		S3 30% Basis 1h
Efficiency at full load	%	System 1: 90 System 2-3: 81
Ambient temperature	°C	0 to +60

### Angular drive for EP(X)-II



[mm]

Code No.	Type	Size	Basic length (minimum length)	Max. length (clearance)	Weight [kg]	
					Basic length	per 100 mm travel
982__C1A0000	Angular gear system 1	30	-	-	0.62	-
		40			1.59	
		50			1.59	
982__C1B_____	Angular gear system 2	30	53	2000	1.28	0.06
		40	69	2800	3.57	0.18
		50	43			
982__C1C_____	Angular gear system 3	30	53	2000	1.28	0.06
		40	91	2800	3.57	0.18
		50	65			

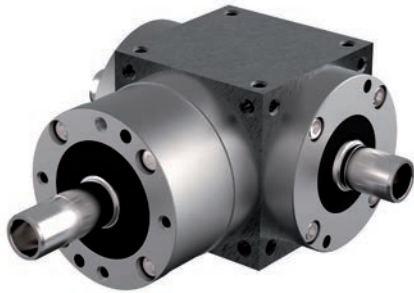
Total length (mm)

60 = EP(X)-II 30  
61 = EP(X)-II 40

# Drive

### Order instruction:

- Reductions 1:1.5, 1:2, 1:3, 1:4 or 1:5 on request



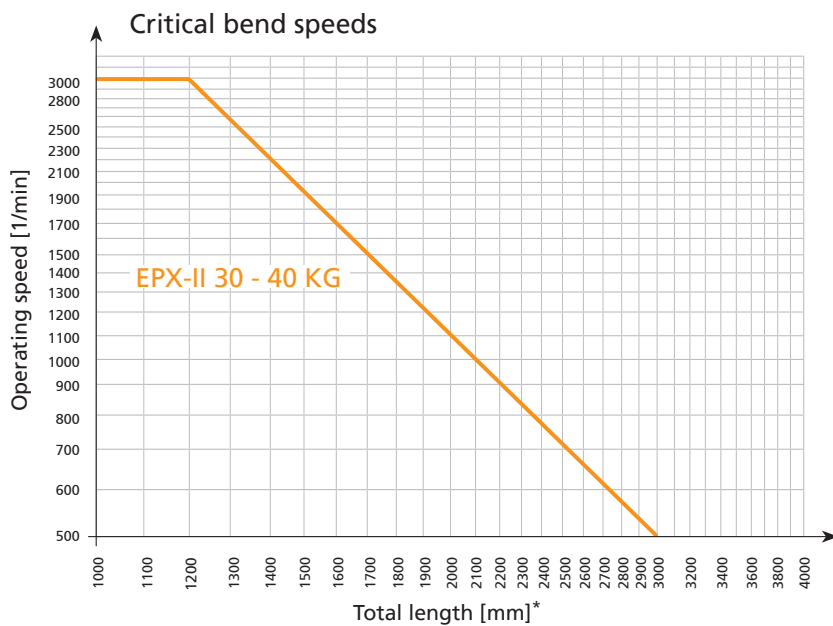
### Angular gear

- Fits all EPX-II KG -actuators
- Can be retrofitted
- Low torsional backlash
- Low noise level
- Spiral tooththing

**Scope of delivery:**  
Angular gear 1:1,  
Fastenings on EPX-II KG -actuators  
and synchronisation shaft  
depending on system

### Technical data angular gear

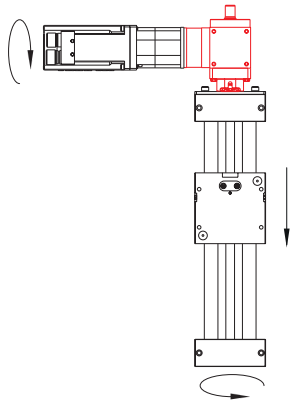
	For EPX-II 30 - 40 KG	
Reduction		1:1
Drive speed	min <sup>-1</sup>	3000
Torsional backlash at output shaft	arcmin	≤ 9
Efficiency at full load	%	> 98
Running noise at 1500 rpm	db(A)	≤ 70
Weight	Kg	4.5
Surface		Primer RAL 9005 – black matt
Geometric moment of inertia	Kgcm <sup>2</sup>	1.79
Idle torque	Nm	0.4



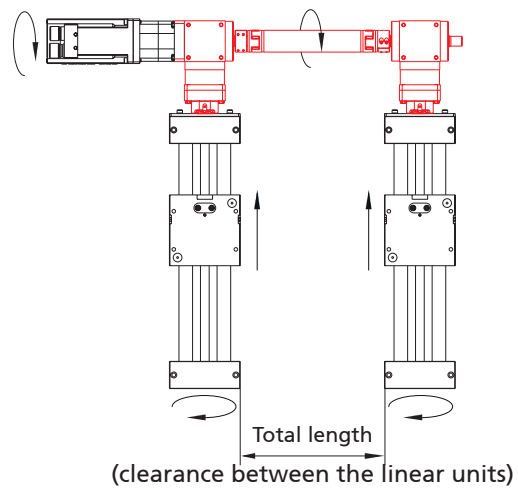
\*To calculate the critical bending speed of system 4, use half of the total length.

## Angular gear for EPX-II KG-actuators

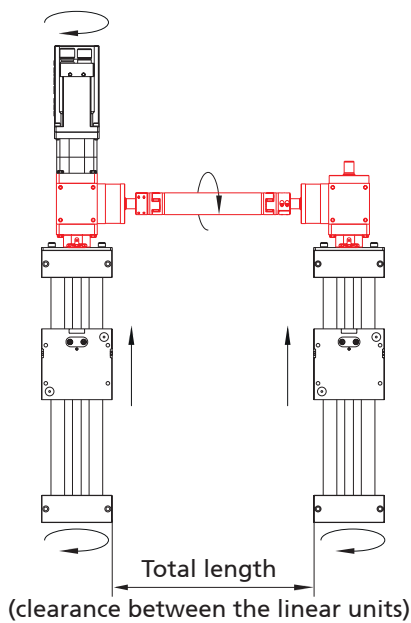
System 1



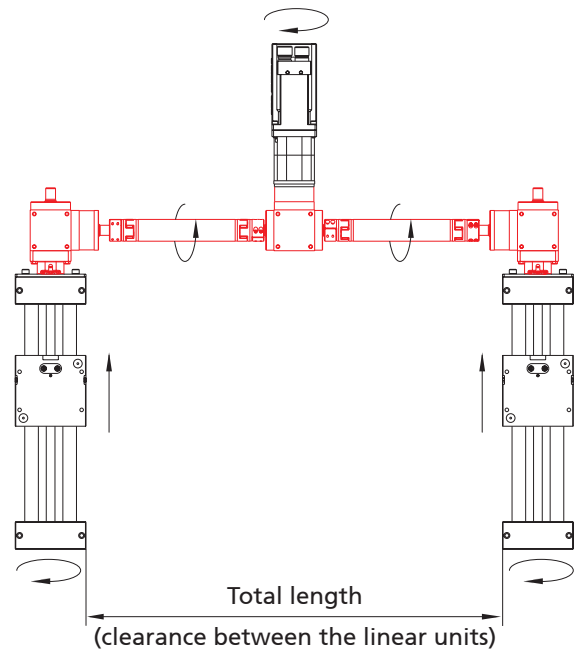
System 2



System 3

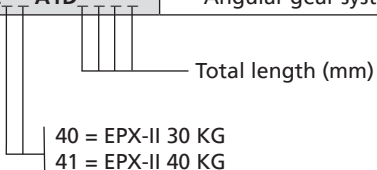


System 4



[mm]

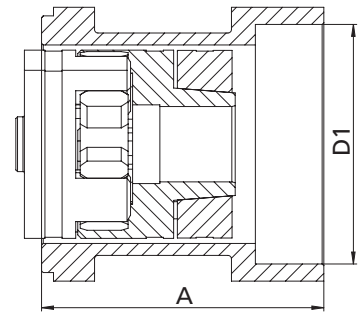
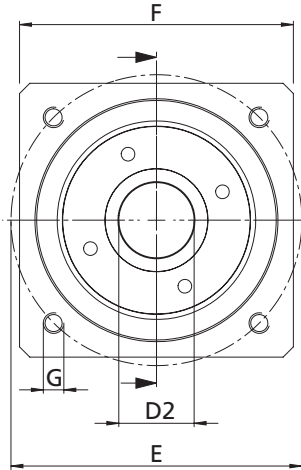
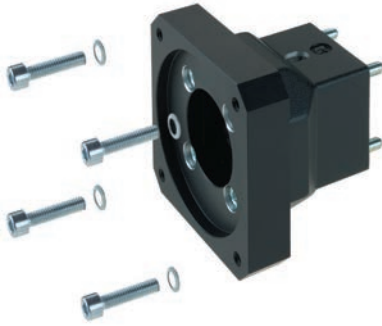
Code No.	Type	Basic length (minimum length)	Max. length (clearance)	Weight [kg]	
				Basic length	per 100 mm travel
982__A1A0000	Angular gear system 1	–	–	5.5	–
982__A1B__	Angular gear system 2	123	2860	10.5	0.1
982__A1C__	Angular gear system 3	228	2965	10.5	0.1
982__A1D	Angular gear system 4	500	6029	15.5	0.1



**Note:** Additional information, dimensions, accessories and necessary tools for assembling the angular gears can be found in our main catalogue “Linear Technology” (Chapter: Motors and controls).

# Drive

## Selection table - motor adaptor/coupling EP(X) -II for three-phase motor



Manufacturers	Motor	EP(X)-II 30	EP(X)-II 40	EP(X)-II 50
RK Rose+Krieger	90/120W	949996		949614
		911940 0812		911430 1212
	180/250W	-		949414
		-		911430 1214



Code No. Motor adaptor:  
**949996**

Code No. Coupling with  
specification of shaft  
diameter  
1st end=08 mm  
2st end=12 mm  
**911940 0812**

## Selection table - motor adaptor/coupling EP(X) -II for servo motors without gear

Manufacturers	Motor	EP(X)-II 30	EP(X)-II 40	EP(X)-II 50	Motor-flange	A	D1	D2	E	F	G	Mass [kg]
RK Rose+Krieger	RK-AC 118	949200	949201	949201	IM B5 56	64/74/74	Ø 60 <sup>H8</sup> 4,5 prof.	Ø11x23	Ø 75	□70	M5 13 prof.	0,53/0,65
		911430 0811	911430 1112	911430 1112		83/83/86/79	Ø 80 <sup>H8</sup> 5,7 prof.	Ø14x30	Ø 100	□90	M6 14,6 prof.	0,73/0,73/ 0,69/1,07
Baumüller	DSD2-036	949200	949201	949201	IM B5 56	64/74/74	Ø 60 <sup>H8</sup> 4,5 prof.	Ø11x23	Ø 75	□70	M5 13 prof.	0,53 / 0,65
		911430 0811	911430 1112	911430 1112		83/83/86/79	Ø 80 <sup>H8</sup> 5,7 prof.	Ø14x30	Ø 100	□90	M6 14,6 prof.	0,73/0,73/ 0,69/1,07
Beckhoff	AM8031, AM8032, AM8033	On request	On request	On request	IM B5 56			Ø14x30				
	AM8041, AM8042, AM8043	-						Ø19x40				
Bosch	MSK040B, MSK040C, MSK043C	-	On request	On request	-			Ø14x30				
Kollmorgen	AKM2G-31, AKM2G-32, AKM2G-33, AKM2G-34	On request	On request	On request	IM B5 56			Ø14x30				
	AKM2G-41, AKM2G-42, AKM2G-43, AKM2G-44	-						Ø19x40				
Lenze	MCS06I, MCS06F	949200	949201	949201	IM B5 56	64/74/74	Ø 60 <sup>H8</sup> 4,5 prof.	Ø11x23	Ø 75	□70	M5 13 prof.	0,53/0,65
		911430 0811	911430 1112	911430 1112		83/83/86/79	Ø 80 <sup>H8</sup> 5,7 prof.	Ø14x30	Ø 100	□90	M6 14,6 prof.	0,73/0,73/ 0,69/1,07
Mitsubishi	HG-JR53,(4), HG-JR 73(4), HG-JR103(4), HG-JR153(4), HG-JR203(4)	On request	On request	On request	IM B5 56			Ø16x40				
Parker	SMH 60, SMHA 60	949200	949201	949201	IM B5 56	64/74/74	Ø 60 <sup>H8</sup> 4,5 prof.	Ø11x23	Ø 75	□70	M5 13 prof.	0,53/0,65
		911430 0811	911430 1112	911430 1112		83/83/86/79	Ø 80 <sup>H8</sup> 5,7 prof.	Ø14x30	Ø 100	□90	M6 14,6 prof.	0,73/0,73/ 0,69/1,07
SEW	CMP50S, CMP50M, CMP50L	949200	949201	949201	IM B5 56	64/74/74	Ø 60 <sup>H8</sup> 4,5 prof.	Ø11x23	Ø 75	□70	M5 13 prof.	0,53 / 0,65
		911430 0811	911430 1112	911430 1112		83/83/86/79	Ø 80 <sup>H8</sup> 5,7 prof.	Ø14x30	Ø 100	□90	M6 14,6 prof.	0,73/0,73/ 0,69/1,07
Siemens	1FK7032, 1FK7033, 1FK7034	On request	On request	On request	IM B5 56			Ø14x30				
								Ø19x40				

Code No. Motor adaptor:  
**949221**

Code No. Coupling with  
specification of shaft  
diameter  
1st end= 12 mm  
2st end=14 mm  
**911430 1214**

For dimensions and order data for  
motor adaptor and coupling,  
please refer to next page.

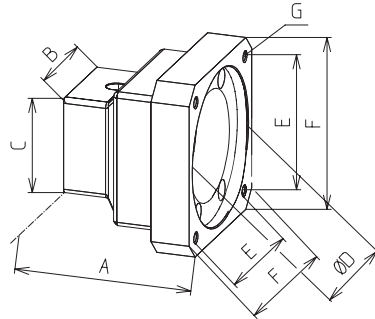
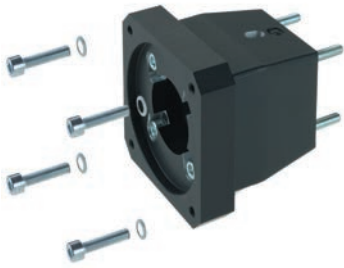
**Note:**  
For further details on  
motor versions, please  
refer to the chapter  
"Motors and controls"

# Drive

**Motor adaptor for three-phase motor / servo motors**

- Simple assembly
- Exact fit due to centering shoulders

**Material: Aluminium**



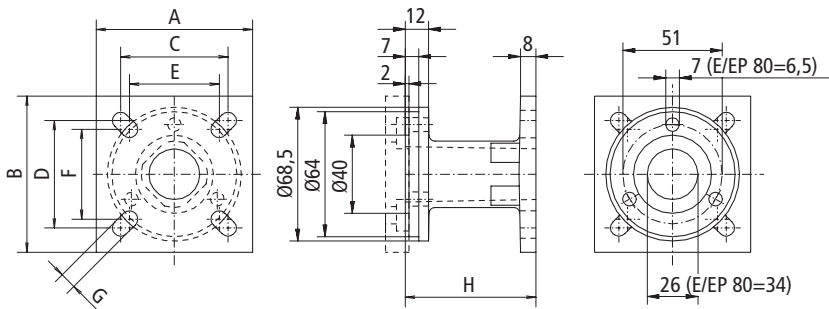
[mm]

Code No.	Type	A	B	C	D	E	F	G
949200	30	64	53.5	53.5	60	53	70	M5
949996	30	64	53.5	53.5	50	65	80	M5
949201	40/50	74	60	60	60	53	70	M5
949221	40/50	83	60	60	80	70.7	90	M6
949614	40/50	83	60	60	50	46	80	M5
949414	40/50	83	60	60	80	100	Ø120	Ø6.6

## Motor adaptor for EHL

Linear unit connection

EHL connection

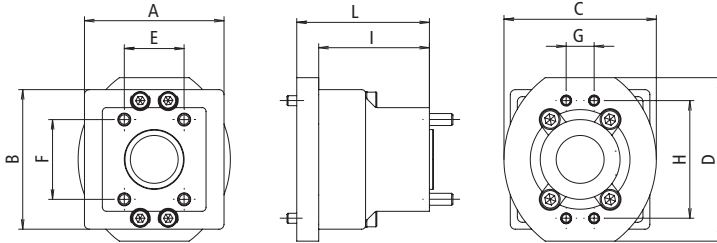


[mm]

Code No.	for linear unit	PinØ unit	A	B	C	D	E	F	G	H	L	Ø
92667	EP(X)-II 30	8	50	50	30	40	30	30	6	67	-	-
92668	EP(X)-II 40	12	60	60	46	46	36	36	7	67	-	-
92669	EP(X)-II 50	12	65	65	46	46	-	-	9	67	-	-



## Motor adaptor for LZ S/P linear units



[mm]

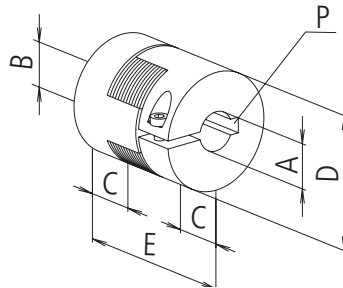
Linear unit	LZ S Code No.	LZ P Code No.	Coupling Code No.	A	B	C	D	E	F	G	H	I	L
EP(X)-II 30	949711		9109200810	70	70	76.4	82	30	40	14	59	55.5	66.5
EP(X)-II 40/50	949713		9114301012	70	70	76.4	82	46	46	52.3	52.3	73.5	81.5

## Coupling

- Small size
- Shaft connection without backlash
- Maintenance-free
- Easy plug-in assembly

**Material:** Hub – aluminium  
Gear ring – polyurethane

To ensure the smooth running of the coupling, a clearance of **D+3 mm** is required.



[mm]

Code No.	A	B	C	D	E	P	Torque [Nm]	
							with feather key	without feather key
9109200895	8	9,5	10	20	30	2x2 / –	5	3
9114300811	8	11	11	30	35	2x2 / 4x4	12	6
9114300816	8	16	11	30	35	2x2 / 5x5	12	6
9114309512	9.5	12	11	30	35	– / 4x4	12	6
9114301112	11	12	11	30	35	4x4 / 4x4	12	6
9114301212	12	12	11	30	35	4x4 / 4x4	12	6
9114301214	12	14	11	30	35	4x4 / 5x5	12	6
9114301216	12	16	11	30	35	4x4 / 5x5	12	6
9119400812	08	12	25	40	65	2x2 / 4x4	17	10

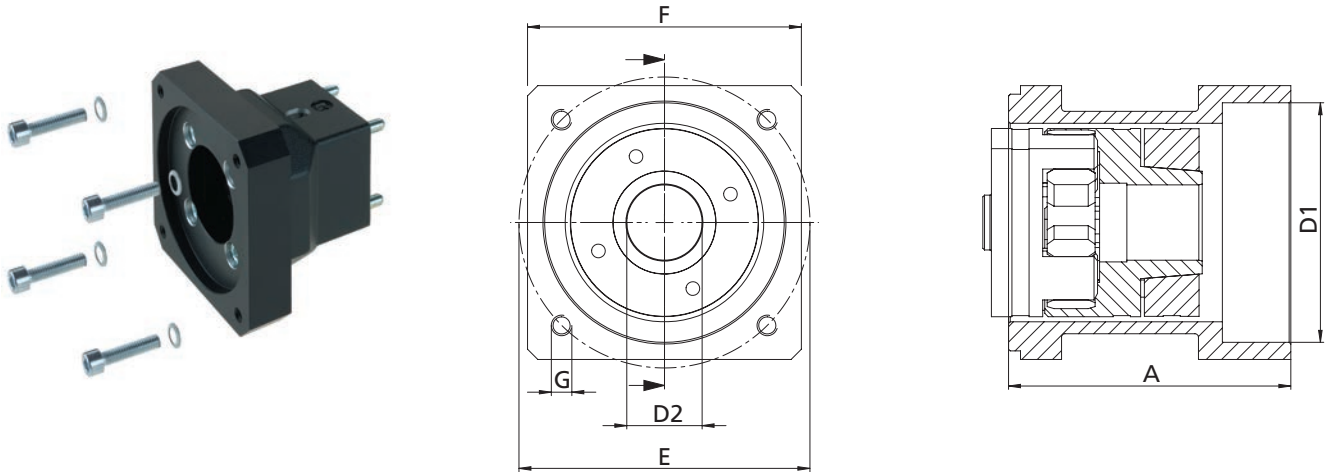
Further information for adaption and drives see catalogue linear technology, chapter motors & controls.

# Drive

## Motor adapter kits on angular gear

- Three-phase- or servomotors with gear from popular manufacturers can be easily connected
- Complete motor adapter kits manufactured to your specifications on request

**Scope of delivery:** Motor adapter kit, servo coupling with zero backlash and fixation material



## Selection table motor adapter kits for three-phase motor

Manufacturers	Motor	Angular gear System 1-3 EP(X)-II 30 TR	Angular gear System 1-3 EP(X)-II 40/50 TR	A	D1	D2	E	F	G	Mass [kg]
RK Rose+Krieger	90/120W	949766	949769	78/75.4	Ø 50 <sup>H8</sup> 3 deep/4 deep	Ø 12 x 30	Ø 65	Ø 80	M5 - 15 deep	0.55 / 0.52

## Selection table motor adapter kits servo motors with gear

Manufacturers	Gear	Angular gear System 1-3 EP(X)-II 30 TR	Angular gear System 1-3 EP(X)-II 40/50 TR	A	D1	D2	E	F	G	Mass [kg]
Neugart	PLE 60	949768	949771	82.9 / 80.4	Ø 40 <sup>H7</sup> 3 deep / 4 deep	Ø 14 x 30	Ø 52	□ 70 / Ø 62	Ø 5.5	0.58 / 0.25
Eppinger	PE065	949768	949771	82.9 / 80.4	Ø 40 <sup>H7</sup> 3 deep / 4 deep	Ø 14 x 30	Ø 52	□ 70 / Ø 62	Ø 5.5	0.58 / 0.25
Ruhrgetriebe	RPS060	949768	949771	82.9 / 80.4	Ø 40 <sup>H7</sup> 3 deep / 4 deep	Ø 14 x 30	Ø 52	□ 70 / Ø 62	Ø 5.5	0.58 / 0.25
SPN Schwaben Präzision	SPN-ECO (E2) EZ 23	949768	949771	82.9 / 80.4	Ø 40 <sup>H7</sup> 3 deep / 4 deep	Ø 14 x 30	Ø 52	□ 70 / Ø 62	Ø 5.5	0.58 / 0.25
Wittenstein	Alpha CP015 MF	949768	949771	82.9 / 80.4	Ø 40 <sup>H7</sup> 3 deep / 4 deep	Ø 14 x 30	Ø 52	□ 70 / Ø 62	Ø 5.5	0.58 / 0.25

### Selection table motor adapter kits for motors with NEMA-Flange

Manufacturers	Motor	Angular gear System 1-3 EP(X)-II 30 TR	Angular gear System 1-3 EP(X)-II 40/50 TR	Motor-flange	A	D1	D2	E	F	G	Mass [kg]
RK Rose+Krieger	Stepper motor PD6S	949767	949770	NEMA 34	84.9/82.4	∅ 73 <sup>H8</sup> 4 deep/3 deep	∅ 14 x 35	□ 69.5	□ 86	M6 - 15 deep	0.76/0.75
Various	All motors with NEMA 34 motor flange	949767	949770	NEMA 34	84.9/82.4	∅ 73 <sup>H8</sup> 4 deep/3 deep	∅ 14 x 35	□ 69.5	□ 86	M6 - 15 deep	0.76/0.75

### Selection table motor adapter kits servo motors without gear

Manufacturers	Motor	Angular gear System 1 + 4 EPX-II 30/40 KG	Angular gear System 2 + 3 EPX-II 30/40 KG	Motor-flange	A	D1	D2	E	F	G	Mass [kg]
RK Rose+Krieger	RK-AC 240	949130	949139	IM B5 56	99/94	∅ 80 <sup>H8</sup> 4 deep	∅ 14x30	∅ 100	□ 82	M6 12 deep	0.86
	RK-AC 470	949131	949140	IM B5 63	109/104	∅ 95 <sup>H8</sup> 4 deep	∅ 19x40	∅ 115	□ 100	M8 22 deep	1.2
Baumüller	DSD2-045	On request	On request	IM B5 56			∅ 14x30				
Beckhoff	AM8041, AM8042, AM8043	On request	On request	IM B5 56			∅ 19x40				
Bosch	MSK040B, MSK040C, MSK043C	On request	On request	-			∅ 14x30				
	MSK050B, MSK050C	949131	949140	IM B5 63	109/104	∅ 95 <sup>H8</sup> 4 deep	∅ 19x40	∅ 115	□ 100	M8 22 deep	1.2
Kollmorgen	AKM2G-41, AKM2G-42, AKM2G-43, AKM2G-44	On request	On request	IM B5 56			∅ 19x40				
Lenze	MCS09D, MCS09F, MCS09H, MCS09L	949130	949139	IM B5 56	99/94	∅ 80 <sup>H8</sup> 4 deep	∅ 14x30	∅ 100	□ 82	M6 12 deep	0.86
Lti/Keba	LSP10	949131	949140	IM B5 63	109/104	∅ 95 <sup>H8</sup> 4 deep	∅ 19x40	∅ 115	□ 100	M8 22 deep	1.2
Mitsubishi	HG-JR53(4), HG-JR 73(4), HG-JR103(4), HG-JR153(4), HG-JR203(4)	On request	On request	IM B5 56			∅ 16x40				
Parker	SMH 82, SMHA 82	949130	949139	IM B5 56	99/94	∅ 80 <sup>H8</sup> 4 deep	∅ 14x30	∅ 100	□ 82	M6 12 deep	0.86
	SMH 100, SMHA 100	949131	949140	IM B5 63	109/104	∅ 95 <sup>H8</sup> 4 deep	∅ 19x40	∅ 115	□ 100	M8 2 deep	1.2
SEW	CMP63S, CMP63M, CPM63L	949130	949139	IM B5 56	99/94	∅ 80 <sup>H8</sup> 4 deep	∅ 14x30	∅ 100	□ 82	M6 12 deep	0.86
Siemens	1FK7040, 1FK042, 1FK043, 1FK2205	On request	On request	IM B5 56			∅ 19x40				
	1FK2105	949131	949140	IM B5 63	109/104	∅ 95 <sup>H8</sup> 4 deep	∅ 19x40	∅ 115	□ 100	M8 22 deep	1.2

# Drive

## Positioning indicator

- Permitted ambient temperature +80° C
- Figure height 6 mm
- Reading accuracy ± 0.1 mm
- If positioning indicators are fitted, the linear units are delivered exclusively with ball bearings

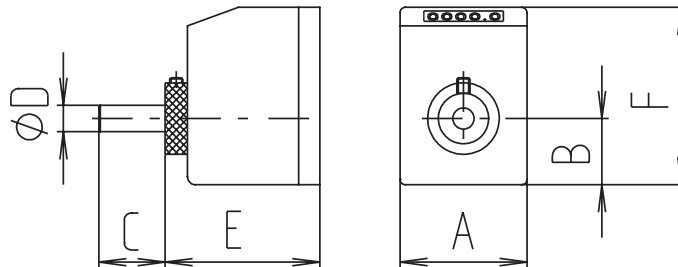
**Material:** Housing polyamide 6 Orange RAL 2004, Steel parts corrosion-protected

**Scope of delivery:** Positioning indicator, clamping ring, shaft extension and fastenings

**Note:** "rising" and "falling" versions refer to the clockwise rotation of the drive shaft.



Installation position: horizontal



Installation position: vertical

[mm]

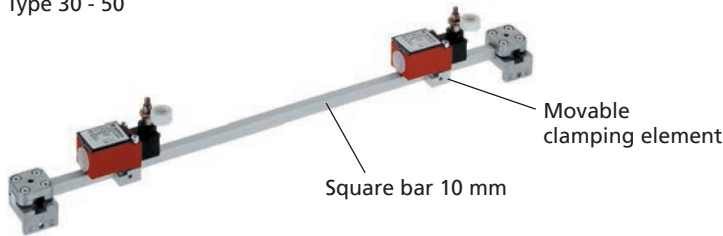
Type	Installation position	Code No.	Version	Code No.	Version*	A	B	C	D	E	F
30	horizontal	91043	3 mm rising	91010	6 mm rising	48	25	18	8	59	67
30		91053	3 mm falling	91029	6 mm falling	48	25	18	8	59	67
30	vertical	91063	3 mm rising	91020	6 mm rising	48	25	18	8	59	67
30		91073	3 mm falling	91019	6 mm falling	48	25	18	8	59	67
40	horizontal	91004	4 mm rising	91030	8 mm rising	48	25	38	12	59	67
40		91014	4 mm falling	91039	8 mm falling	48	25	38	12	59	67
40	vertical	91024	4 mm rising	91040	8 mm rising	48	25	38	12	59	67
40		91034	4 mm falling	91041	8 mm falling	48	25	38	12	59	67
50	horizontal	91045	4 mm rising	91046	8 mm rising	48	25	38	12	59	75
50		91055	4 mm falling	91047	8 mm falling	48	25	38	12	59	75
50	vertical	91065	4 mm rising	91048	8 mm rising	48	25	38	12	59	75
50		91075	4 mm falling	91049	8 mm falling	48	25	38	12	59	75

\* Version with double lead e.g. for installation on righthand/left-hand thread screws

### Holder for mechanical limit switch

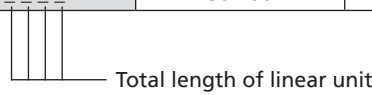
- Limit switch can be moved and fixed axially

Type 30 - 50

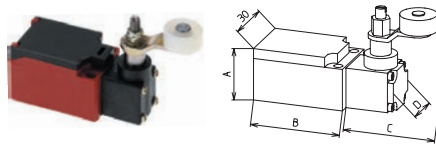


Type	30 - 50
Max. voltage	250 V AC
Max. switching current	6 A
Max. starting current	16 A
Lifetime	10 million switching cycles
Axis lever adjustment	locking at 10° increments
Protection rating	IP 65
Ambient temperature	-30°C to +80°C

Code No.	Type	Basic length	Version
92961_ _ _ _	30 - 50	245	with switch
92962_ _ _ _	30 - 50	245	without switch



### Mechanical limit switch



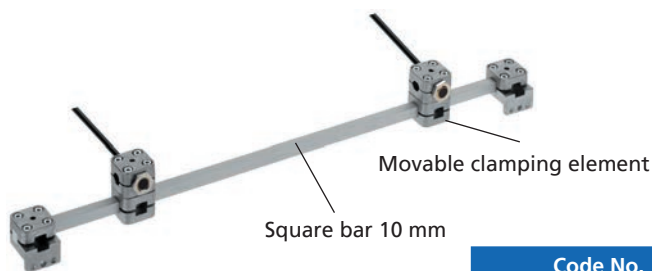
Code No.	Type	Switching function	A	B	C	D
91905	30 - 50	NC contact / NO contact	26.5	45	45.5	21

[mm]

### Holder for inductive limit switch

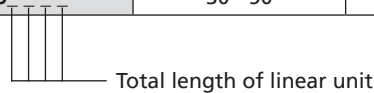
- Limit switch can be moved and fixed axially

Type 30 - 50

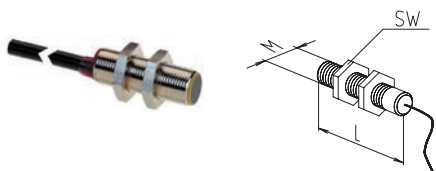


Type	30 - 50
Voltage	10 - 30 V DC
Max. switching current	200 mA
Operating distance	4 mm for steel
Protection rating	IP67
Ambient temperature	-25°C to +70°C
Cable lengths	2m

Code No.	Type	Basic length	Version
92965_ _ _ _	30 - 50	125	without switch



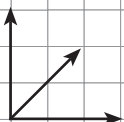
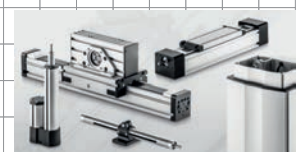
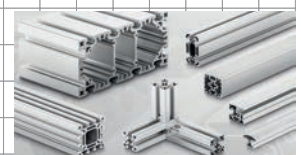
### Inductive limit switch



Code No.	Type	Switching function	L	M	Wrench size (SW)
92825	30 - 50	Changeover	50	12x1	17

[mm]

# Sketches / Notes



## Our product ranges

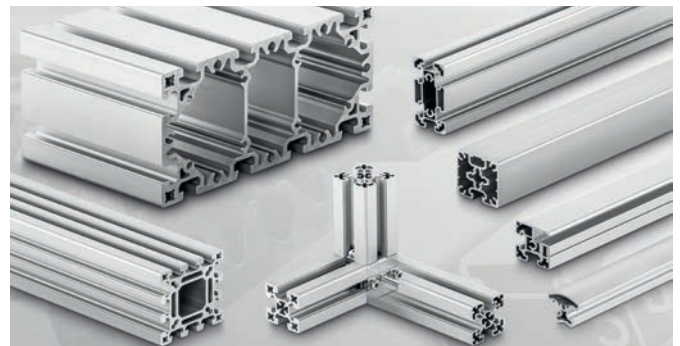
### CONNECTING TECHNOLOGY

- Fittings for the secure clamp connection of round and square tubes
- Elements made of aluminium, stainless steel and plastic
- Sizes from 8 mm to 80 mm



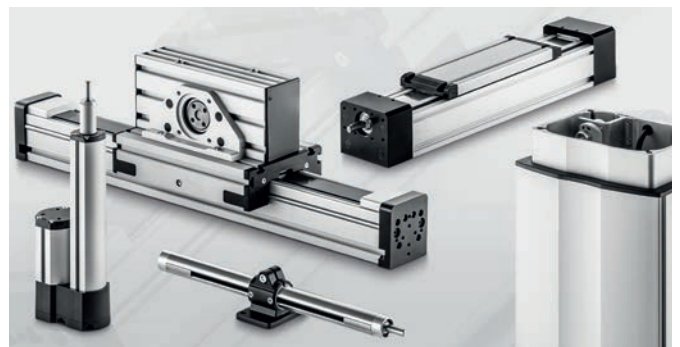
### PROFILE TECHNOLOGY

- The tried and tested BLOCAN® aluminium assembly system
- Sections from 20 mm to 320 mm for all applications
- Connecting technology with an unsurpassed combination of flexibility and reliability



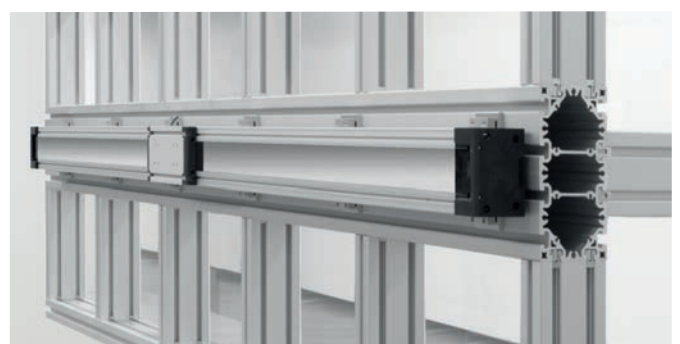
### LINEAR TECHNOLOGY

- Manual adjustment units
- Lifting columns
- Linear axes
- We can move loads for you of up to 3 t and up to 12 m dynamically, reliably and with great precision



### MODULE TECHNOLOGY

- Machine frames
- Workstations
- Machine guards
- Multidimensional linear axis modules
- Complete drive solutions





**RK ROSE+KRIEGER**

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