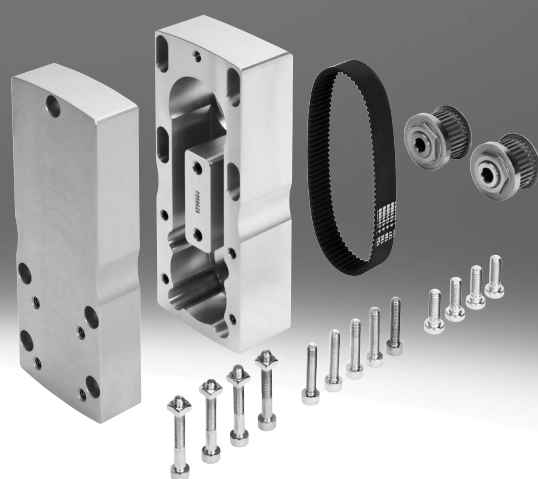


Parallel kits EAMM-U

FESTO



Key features

At a glance

The following kits are used for coupling motors and axes. The couplings transmit the drive energy of the motor to the axes via a belt. They can be connected to Festo motors or third-party motors.

Electric Motion Sizing

Configuring electromechanical drives

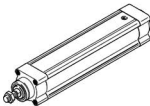


The selection provides you with an overview of possible combinations. The planning tool "Electric Motion Sizing" helps you to find the right combination.

Create the optimum drive package quickly and reliably. Electric Motion Sizing calculates suitable combinations of electric axis, electric motor and servo drive using just a few application details. It provides you with all the relevant data including the bill of materials and documentation for the selected combination. This avoids design errors and results in significantly improved energy efficiency for the system. A smooth connection to the Festo Automation Suite also makes commissioning easier for you. To find out more, go to www.festo.com/ems

Quickly find the right axis/motor combination with third-party motors

Select the required axis and note the code in the "Motor interface" column

Zulässige Achs-/Motor-Kombinationen mit Elektrozyliner ESBF			
		Schnittstellentabelle für Fremdmotoren → ab Seite 67 Technische Daten für Axialbausätze → ab Seite 72	
Motor/Getriebe ¹⁾	Schnittstelle	Axialbausatz	
Typ	Motor	Teile-Nr.	Typ
ESBF-32			
mit Servomotor			
EMME-AS-40-...	40P	1976465	EAMM-A-D32-40P
		2207372	EAMM-A-D32-40P-S1 ²⁾
EMMS-AS-40-..., Fremdmotor			
	40A	543147	EAMM-A-D32-40A
		1322178	EAMM-A-D32-40A-S1 ²⁾

 **Note**
Depending on the combination of motor and drive, it may not be possible to reach the maximum feed force of the drive in certain circumstances. When using parallel kits, the no-load driving torque of the particular kit must be taken into consideration.

Look for the interface code in the table of interfaces for third-party motors (→ from page 64) and check if the required third-party motor is listed

Fremdmotoren und Fremdgetriebe		
Schnittstelle	Hersteller	Typ
Fremdmotoren		
58AA	SEW Eurodrive	CMP40; CMP40S/IM
	Bosch Rexroth	MXD 025; MSK030B; MSK030C; MSK03x
	Danaher Motion	AKM21 AC; AKM21 AN; AKM22 AC; AKM22 AN; AKM23 AC; AKM23 AN; AKM24 AC; AKM24 AN; AKM2x-AC/AN
	Beckhoff	AM3021; AM3022; AM3023; AM3024
	B+R Automation	8JSA2
60AA	Mitsubishi	AKM21; AKM21x-Ax; AKM22; AKM22x-Ax; AKM23; AKM23x-Ax; AKM24; AKM24x-Ax
	Fastech	EzM2-60S/M/L

Key features

Type	For axis	Can be mounted	Transmission ratio	Description	→ Page
EAMM-U-...-D	• Electric cylinder ESBF • Mini slide EGSL	In all directions	$i = 1$	Optionally with degree of protection IP65	4
EAMM-U-...-S	• Ball screw axis ELGA-BS • Ball screw axis EGC-BS • Ball screw axis EGC-HD-BS	In all directions	$i = 1$	A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery of the parallel kit to support for the axis shaft.	4
EAMM-U-...-C	• Electric cylinders EPRF	In all directions	$i = 1$	Stainless steel kits with CRC 4 and degree of protection IP69k for the food industry	<?>
EAMM-U-...-V/T	• Electric cylinder EPCC • Mini slide EGSC-BS • Ball screw axis ELGD-BS • Ball screw axis ELGD-BS-WD • Ball screw axis ELGC-BS • Ball screw axis ELGT-BS	In all directions	$i = 1$	–	51

Accessories for parallel kit EAMM-U-...-D/S

Clamping component EADT

→ page 42



For adjusting the toothed belt pretension with EAMM-U-110 and EAMM-U-145. The motor is pushed away from the axis mechanism by turning the clamping component secured in a hole in the housing (the motor can be moved in a slot for this purpose). This enables high toothed belt pretension forces to be generated with low torques at the clamping component.

Counter bearing EAMG

→ page 43



A counter bearing EAMG reduces the load on the axis or motor bearings to improve the service life under high loads. For every counter bearing, an additional clamping sleeve EAMH-...-P is required.

Clamping sleeve EAMH-...-P

→ page 44



To retrofit the counter bearing, the clamping sleeve without trunnion included in the parallel kit as standard must be replaced by the clamping sleeve EAMH-...-P with integrated trunnion.

Clamping sleeve EAMH-...

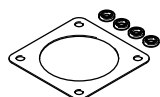
→ page 45



Clamping sleeves for adapting third-party motors with deviating shaft diameters to the parallel kits.

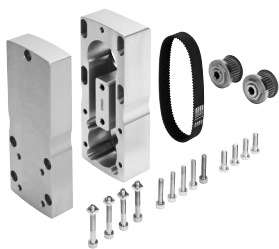
Seal set EADS-F...

→ page 46



Spare part for sealed parallel kit EAMM-U-...-S1, between motor and kit

Overview of interfaces



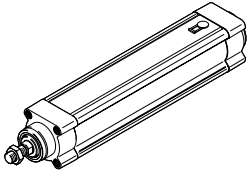
Axis mechanism interface	
D19	EGSL-35
D32	ESBF-32, EGSL-45
D40	ESBF-40, EGSL-55
D50	ESBF-50
D60	EGSL-75, ESBF-63
D80	ESBF-80
D100	ESBF-100
S38	ELGA-BS-70, EGC-70-BS, EGC-HD-125-BS
S48	ELGA-BS-80, EGC-80-BS, EGC-HD-160-BS
S60	ELGD-BS-120
S62	ELGA-BS-120, EGC-120-BS, EGC-HD-220-BS
S95	ELGA-BS-150, EGC-185-BS

60H	Gear unit EMGA-60-P-...-EAS, EMGC-60-P
80G	Gear unit EMGA-80
120G	Gear unit EMGA-120
50GA	Third-party gear unit
68GA	Third-party gear unit
70GA	Third-party gear unit
90GA	Third-party gear unit
120GA	Third-party gear unit
126AA	Third-party gear unit

Motor interface	
38AA	Third-party motor
40A	Third-party motor
40P	Servo motor EMMT-AS-40, EMMB-AS-40
40R	Third-party motor
40RA	Third-party motor
42A	Stepper motor EMMT-ST-42, EMMB-ST-42
57A	Stepper motor EMMT-ST-57, EMMB-ST-57
55A	Third-party motor
57AA	Third-party motor
57AC	Third-party motor
58AA	Third-party motor
60AA	Third-party motor
60P	Servo motor EMMT-AS-60, EMMB-AS-60, third-party motor
60PA	Third-party motor
60R	Third-party motor
60RA	Third-party motor
60RB	Third-party motor
70A	Third-party motor
70AA	Third-party motor
70AB	Third-party motor
80P	Servo motor EMMT-AS-80, EMMB-AS-80
80PB	Third-party motor
80R	Third-party motor
82AA	Third-party motor
84AA	Third-party motor
87A	Stepper motor EMMT-ST-87, EMMB-ST-87, third-party motor
88A	Third-party motor
100A	Servo motor EMMT-AS-100
150A	Servo motor EMMT-AS-150
126AA	Third-party motor
40G	Gear unit EMGA-40
60G	Gear unit EMGA-60-P-...-SAS/SST

Product range overview

Permissible axis/motor combinations with electric cylinder ESBF



- The kit can be mounted in all directions
- Optionally with degree of protection IP65
- Table of interfaces for third-party motors → from page 64

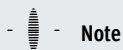
Motor/gear unit ²⁾	Motor interface		Parallel kit	
Type		Part no.	Type	
ESBF-32				
With servo motor				
Third-party motor	38AA	8058924	EAMM-U-50-D32-38AA-78	
EMMT-AS-40-..., EMMB-AS-40-...	40P	8164734	EAMM-U-50-D32-40P-48 ⁴⁾	
EMMT-AS-40-..., EMMB-AS-40-...	40P	2153283	EAMM-U-50-D32-40P-78	
		2154009	EAMM-U-50-D32-40P-78-S1 ¹⁾	
Third-party motor	40A	1201591	EAMM-U-50-D32-40A-78	
		1202302	EAMM-U-50-D32-40A-78-S1 ¹⁾	
Third-party motor	40R	1201662	EAMM-U-50-D32-40R-78	
Third-party motor	40RA	8058925	EAMM-U-50-D32-40RA-78	
Third-party motor	55A	1210126	EAMM-U-60-D32-55A-91	
		1210450	EAMM-U-60-D32-55A-91-S1 ¹⁾	
Third-party motor	58AA	8058930	EAMM-U-60-D32-58AA-91	
EMMT-AS-60-..., EMMB-AS-60, third-party motor	60P, 60PA	8125069	EAMM-U-60-D32-60P-91	
Third-party motor	60R	1210434	EAMM-U-60-D32-60R-91	
		1210455	EAMM-U-60-D32-60R-91-S1 ¹⁾	
Third-party motor	60RA	8123497	EAMM-U-60-D32-60RA-91	
Third-party motor	60RB	8058932	EAMM-U-60-D32-60RB-91	
EMMT-AS-60-..., EMMB-AS-60	60P, 60PA	2619586	EAMM-U-70-D32-60P-96	
		2619688	EAMM-U-70-D32-60P-96-S1 ¹⁾	
Third-party motor	70A	2755565	EAMM-U-70-D32-70A-96	
		2781711	EAMM-U-70-D32-70A-96-S1 ¹⁾	
Third-party motor	70AA	8123499	EAMM-U-70-D32-70AA-96	
With stepper motor				
EMMT-ST-42-..., EMMB-ST-42-...	42A	1201607	EAMM-U-50-D32-42A-78	
		1202312	EAMM-U-50-D32-42A-78-S1 ¹⁾	
EMMT-ST-57-..., EMMB-ST-57-...	57A	1210419	EAMM-U-60-D32-57A-91	
		1210453	EAMM-U-60-D32-57A-91-S1 ¹⁾	
Third-party motor	57AC	8058929	EAMM-U-60-D32-57AC-91	
Third-party motor	60AA	8123498	EAMM-U-60-D32-60AA-91	

1) With degree of protection IP65

2) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

3) Gear unit output shaft diameter: EMGA-60-P-...SAS/-SST: 11 mm; EMGA-60-P-...EAS, EMGC-60-P: 14 mm

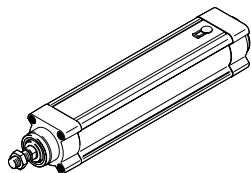
4) The counter bearing EAMG cannot be used in combination with this parallel kit.

**Note**

The seal for EAMM-U-...-S1 reduces the heat dissipation between the motor and the flange. Note the derating of the motor.

Product range overview

Permissible axis/motor combinations with electric cylinder ESBF



- The kit can be mounted in all directions
- Optionally with degree of protection IP65
- Table of interfaces for third-party motors → from page 64

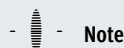
Motor/gear unit ²⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ESBF-32			
With gear unit			
EMGA-40-P-...	40G	1577358	EAMM-U-60-D32-40G-91
EMGC-40-P-...		1577346	EAMM-U-60-D32-40G-91-S1 ¹⁾
EMGA-60-P-...-EAS, EMGC-60-P-...3), third-party gear unit	60H	2778393	EAMM-U-70-D32-60H-96
		2781450	EAMM-U-70-D32-60H-96-S1 ¹⁾
EMGA-60-P-...-SAS/SST ³⁾	60G	2748181	EAMM-U-70-D32-60G-96
		2778302	EAMM-U-70-D32-60G-96-S1 ¹⁾
Third-party gear unit	68GA	8058951	EAMM-U-70-D32-68GA-96
ESBF-40			
With servo motor			
Third-party motor	40R	8058934	EAMM-U-60-D40-40R-91
Third-party motor	55A	1210438	EAMM-U-60-D40-55A-91
		1210458	EAMM-U-60-D40-55A-91-S1 ¹⁾
Third-party motor	58AA	8058940	EAMM-U-60-D40-58AA-91
EMMT-AS-60-..., EMMB-AS-60	60P	2617488	EAMM-U-70-D40-60P-96
		2546123	EAMM-U-70-D40-60P-96-S1 ¹⁾
Third-party motor	60PA	8058972	EAMM-U-86-D40-60PA-102
EMMT-AS-60-..., EMMB-AS-60	60P	8164735	EAMM-U-60-D40-60P-61 ⁴⁾
Third-party motor	60R	1210446	EAMM-U-60-D40-60R-91
		1210466	EAMM-U-60-D40-60R-91-S1 ¹⁾
Third-party motor	60RA	8058952	EAMM-U-70-D40-60RA-96
Third-party motor	70A	2786204	EAMM-U-70-D40-70A-96
		2786316	EAMM-U-70-D40-70A-96-S1 ¹⁾
Third-party motor	70A	1212826	EAMM-U-86-D40-70A-102
		1212854	EAMM-U-86-D40-70A-102-S1 ¹⁾
Third-party motor	70AA, 70AB	8058973	EAMM-U-86-D40-70AA-102
EMMT-AS-80-..., EMMB-AS-80	80P	2802441	EAMM-U-86-D40-80P-102
		2802656	EAMM-U-86-D40-80P-102-S1 ¹⁾
Third-party motor	80PB	8123501	EAMM-U-86-D40-80PB-102
Third-party motor	82AA	8058975	EAMM-U-86-D40-82AA-102
Third-party motor	84AA	8058976	EAMM-U-86-D40-84AA-102
Third-party motor	88A	1362229	EAMM-U-86-D40-88A-102
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	1210442	EAMM-U-60-D40-57A-91
		1210462	EAMM-U-60-D40-57A-91-S1 ¹⁾
Third-party motor	57AC	8058939	EAMM-U-60-D40-57AC-91
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	1215802	EAMM-U-86-D40-87A-102
		1215814	EAMM-U-86-D40-87A-102-S1 ¹⁾

1) With degree of protection IP65

2) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

3) Gear unit output shaft diameter: EMGA-60-P-...-SAS/SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P-...: 14 mm

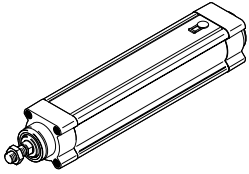
4) The counter bearing EAMG cannot be used in combination with this parallel kit.

**Note**

The seal for EAMM-U-...-S1 reduces the heat dissipation between the motor and the flange. Note the derating of the motor.

Product range overview

Permissible axis/motor combinations with electric cylinder ESBF



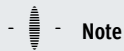
- The kit can be mounted in all directions
- Optionally with degree of protection IP65
- Table of interfaces for third-party motors → from page 64

Motor/gear unit ²⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ESBF-40			
With gear unit			
EMGA-40-P-... EMGC-40-P-...	40G	1577165	EAMM-U-60-D40-40G-91
		1435968	EAMM-U-60-D40-40G-91-S1 ¹⁾
Third-party gear unit	50GA	8058935	EAMM-U-60-D40-50GA-91
EMGA-60-P-...-EAS, EMGC-60-P-...3), third-party gear unit	60H	2786101	EAMM-U-70-D40-60H-96
		2786137	EAMM-U-70-D40-60H-96-S1 ¹⁾
EMGA-60-P-...-SAS/SST ³⁾	60G	2785471	EAMM-U-70-D40-60G-96
		2785542	EAMM-U-70-D40-60G-96-S1 ¹⁾
EMGA-60-P-...-EAS, EMGC-60-P-...3), third-party gear unit	60H	1586496	EAMM-U-86-D40-60H-102
		1586372	EAMM-U-86-D40-60H-102-S1 ¹⁾
EMGA-60-P-...-SAS/SST ³⁾	60G	1586445	EAMM-U-86-D40-60G-102
		1586429	EAMM-U-86-D40-60G-102-S1 ¹⁾
Third-party gear unit	68GA	8058954	EAMM-U-70-D40-68GA-96
ESBF-50			
With servo motor			
Third-party motor	60P	8123171	EAMM-U-70-D50-60P-96
Third-party motor	60RA	8058963	EAMM-U-70-D50-60RA-96
Third-party motor	70A	2786899	EAMM-U-70-D50-70A-96
		2756078	EAMM-U-70-D50-70A-96-S1 ¹⁾
EMMT-AS-80-..., EMMB-AS-80	80P	2803053	EAMM-U-86-D50-80P-102
		2803073	EAMM-U-86-D50-80P-102-S1 ¹⁾
Third-party motor	80PB	8107089	EAMM-U-86-D50-80PB-102
Third-party motor	84AA	8107241	EAMM-U-110-D50-84AA-120
EMMT-AS-100-...	100A	2799424	EAMM-U-110-D50-100A-120
		2799488	EAMM-U-110-D50-100A-120-S1 ¹⁾

1) With degree of protection IP65

2) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

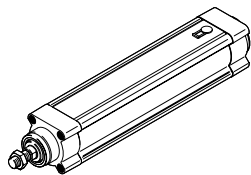
3) Gear unit output shaft diameter: EMGA-60-P-...-SAS/-SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P-: 14 mm

**Note**

The seal for EAMM-U-...-S1 reduces the heat dissipation between the motor and the flange. Note the derating of the motor.

Product range overview

Permissible axis/motor combinations with electric cylinder ESBF



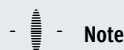
- The kit can be mounted in all directions
- Optionally with degree of protection IP65
- Table of interfaces for third-party motors → from page 64

Motor/gear unit ²⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ESBF-50			
With stepper motor			
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	2802708	EAMM-U-86-D50-87A-102
		2802742	EAMM-U-86-D50-87A-102-S1 ¹⁾
With gear unit			
EMGA-60-P-...-EAS, EMGC-60-P-...3), third-party gear unit	60H	2803326	EAMM-U-86-D50-60H-102
		2803325	EAMM-U-86-D50-60H-102-S1 ¹⁾
EMGA-60-P-...-SAS/SST ³⁾	60G	2803125	EAMM-U-86-D50-60G-102
		2803197	EAMM-U-86-D50-60G-102-S1 ¹⁾
EMGA-60-P-...-EAS, EMGC-60-P-...3), third-party gear unit	60H	2798760	EAMM-U-110-D50-60H-120
		2799150	EAMM-U-110-D50-60H-120-S1 ¹⁾
EMGA-60-P-...-SAS/SST ³⁾	60G	2797368	EAMM-U-110-D50-60G-120
		2798665	EAMM-U-110-D50-60G-120-S1 ¹⁾
Third-party gear unit	68GA	8058965	EAMM-U-70-D50-68GA-96
Third-party gear unit	70GA	8107044	EAMM-U-86-D50-70GA-102
EMGA-80-P-...	80G	2799196	EAMM-U-110-D50-80G-120
		2799281	EAMM-U-110-D50-80G-120-S1 ¹⁾
Third-party gear unit	120GA	8059040	EAMM-U-110-D50-120GA-120
ESBF-63			
With servo motor			
Third-party motor	55A	8058979	EAMM-U-86-D60-55A-102
Third-party motor	58AA	8058981	EAMM-U-86-D60-58AA-102
EMMT-AS-60-..., EMMB-AS-60	60P	8058982	EAMM-U-86-D60-60P-102
Third-party motor	60PA	8058983	EAMM-U-86-D60-60PA-102
Third-party motor	60RB	8058986	EAMM-U-86-D60-60RB-102
Third-party motor	70A	1212477	EAMM-U-86-D60-70A-102
		1212835	EAMM-U-86-D60-70A-102-S1 ¹⁾
Third-party motor	70AA, 70AB	8058988	EAMM-U-86-D60-70AA-102
EMMT-AS-80-..., EMMB-AS-80	80P	2155875	EAMM-U-86-D60-80P-102
		2156527	EAMM-U-86-D60-80P-102-S1 ¹⁾
EMMT-AS-80-..., EMMB-AS-80, third-party motor	80P, 80PA, 80RA	8234872	EAMM-U-86-D60-80P-102-G2
		8234873	EAMM-U-86-D60-80P-102-S1-G2 ¹⁾

1) With degree of protection IP65

2) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

3) Gear unit output shaft diameter: EMGA-60-P-...-SAS/SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P-...: 14 mm

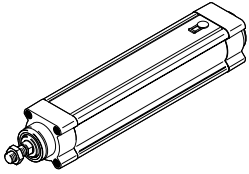
**Note**

Clamping component EADT for adjusting the toothed belt pretension for EAMM-U-110 and EAMM-U-145 → page 42

The seal for EAMM-U-...-S1 reduces the heat dissipation between the motor and the flange. Note the derating of the motor.

Product range overview

Permissible axis/motor combinations with electric cylinder ESBF



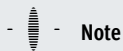
- The kit can be mounted in all directions
- Optionally with degree of protection IP65
- Table of interfaces for third-party motors → from page 64

Motor/gear unit ²⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ESBF-63			
With servo motor			
Third-party motor	80PB	8107722	EAMM-U-86-D60-80PB-102
Third-party motor	82AA	8058992	EAMM-U-86-D60-82AA-102
Third-party motor	84AA	8058993	EAMM-U-86-D60-84AA-102
Third-party motor	84AA	8059043	EAMM-U-110-D60-84AA-120
Third-party motor	88A	1441042	EAMM-U-86-D60-88A-102
Third-party motor	88A	8059044	EAMM-U-110-D60-88A-120
Third-party motor	90R	1202981	EAMM-U-110-D60-90R-120
		1203181	EAMM-U-110-D60-90R-120-S1 ¹⁾
EMMT-AS-100-...	100A	1202436	EAMM-U-110-D60-100A-120 ¹⁾
		1203112	EAMM-U-110-D60-100A-120-S1 ¹⁾
With stepper motor			
Third-party motor	57AA	8058980	EAMM-U-86-D60-57AA-102
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	1215784	EAMM-U-86-D60-87A-102
		1215810	EAMM-U-86-D60-87A-102-S1 ¹⁾
With gear unit			
EMGA-60-P-...SAS/SST ³⁾	60G	1586347	EAMM-U-86-D60-60G-102
		1437163	EAMM-U-86-D60-60G-102-S1 ¹⁾
EMGA-60-P-...EAS, EMGC-60-P-...3), third-party gear unit	60H	1586276	EAMM-U-86-D60-60H-102
		1530837	EAMM-U-86-D60-60H-102-S1 ¹⁾
EMGA-60-P-...SAS/SST ³⁾	60G	1543240	EAMM-U-110-D60-60G-120
		1436183	EAMM-U-110-D60-60G-120-S1 ¹⁾
EMGA-60-P-...EAS, EMGC-60-P-...3), third-party gear unit	60H	1542264	EAMM-U-110-D60-60H-120
		1530621	EAMM-U-110-D60-60H-120-S1 ¹⁾
Third-party gear unit	70GA	8058990	EAMM-U-86-D60-70GA-102
EMGA-80-P-...	80G	1532949	EAMM-U-110-D60-80G-120
		1530875	EAMM-U-110-D60-80G-120-S1 ¹⁾
Third-party gear unit	90GA	8107723	EAMM-U-110-D60-90GA-120
Third-party gear unit	120GA	8059046	EAMM-U-110-D60-120GA-120

1) With degree of protection IP65

2) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

3) Gear unit output shaft diameter: EMGA-60-P-...-SAS/-SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

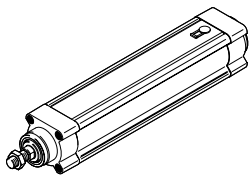
**Note**

Clamping component EADT for adjusting the toothed belt pretension for EAMM-U-110 and EAMM-U-145 → page 42

The seal for EAMM-U-...-S1 reduces the heat dissipation between the motor and the flange. Note the derating of the motor.

Product range overview

Permissible axis/motor combinations with electric cylinder ESBF



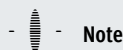
- The kit can be mounted in all directions
- Optionally with degree of protection IP65
- Table of interfaces for third-party motors → from page 64

Motor/gear unit ²⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ESBF-80			
With servo motor			
Third-party motor	84AA	8059048	EAMM-U-110-D80-84AA-120
EMMT-AS-100-...	100A	1465438	EAMM-U-110-D80-100A-120
		1433650	EAMM-U-110-D80-100A-120-S1 ¹⁾
Third-party motor	126AA	8059069	EAMM-U-145-D80-126AA-188
EMMT-AS-150-...	140A, 150A	8157285	EAMM-U-145-D80-150A-188
		8157286	EAMM-U-145-D80-150A-188-S1 ¹⁾
With gear unit			
EMGA-80-P-...	80G	1589614	EAMM-U-110-D80-80G-120
		1589706	EAMM-U-110-D80-80G-120-S1 ¹⁾
Third-party gear unit	90GA	8105897	EAMM-U-145-D80-90GA-188
Third-party gear unit	120GA	8059050	EAMM-U-110-D80-120GA-120
ESBF-100			
With servo motor			
EMMT-AS-150-...	140A, 150A	8157283	EAMM-U-145-D100-150A-188
		8157284	EAMM-U-145-D100-150A-188-S1 ¹⁾
With gear unit			
EMGA-120-P-...	120G	2803620	EAMM-U-145-D100-120G-188
		2803622	EAMM-U-145-D100-120G-188-S1 ¹⁾

1) With degree of protection IP65

2) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

3) Gear unit output shaft diameter: EMGA-60-P-...-SAS/-SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

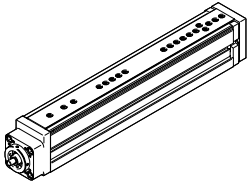
**Note**

Clamping component EADT for adjusting the toothed belt pretension for EAMM-U-110 and EAMM-U-145 → page 42

The seal for EAMM-U-...-S1 reduces the heat dissipation between the motor and the flange. Note the derating of the motor.

Product range overview

Permissible axis/motor combinations with mini slide EGSL



- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
EGSL-35			
With servo motor			
Third-party motor	38AA	8107032	EAMM-U-50-D19-38AA-78
Third-party motor	40R	8107034	EAMM-U-50-D19-40R-78
EGSL-45			
With servo motor			
Third-party motor	38AA	8058924	EAMM-U-50-D32-38AA-78
Third-party motor	40A	1201591	EAMM-U-50-D32-40A-78
EMMT-AS-40-..., EMMB-AS-40-...	40P	8164734	EAMM-U-50-D32-40P-48 ³⁾
EMMT-AS-40-..., EMMB-AS-40-...	40P	2153283	EAMM-U-50-D32-40P-78
Third-party motor	40RA	8058925	EAMM-U-50-D32-40RA-78
Third-party motor	55A	1210126	EAMM-U-60-D32-55A-91
Third-party motor	58AA	8058930	EAMM-U-60-D32-58AA-91
EMMT-AS-60-..., EMMB-AS-60, third-party motor	60P, 60PA	8125069	EAMM-U-60-D32-60P-91
EMMT-AS-60-..., EMMB-AS-60	60P	2619586	EAMM-U-70-D32-60P-96
Third-party motor	60RA	8123497	EAMM-U-60-D32-60RA-91
Third-party motor	60RB	8058932	EAMM-U-60-D32-60RB-91
Third-party motor	70A	2755565	EAMM-U-70-D32-70A-96
Third-party motor	70AA	8123499	EAMM-U-70-D32-70AA-96
With stepper motor			
EMMT-ST-42-..., EMMB-ST-42-...	42A	1201607	EAMM-U-50-D32-42A-78
EMMT-ST-57-..., EMMB-ST-57-...	57A	1210419	EAMM-U-60-D32-57A-91
Third-party motor	57AC	8058929	EAMM-U-60-D32-57AC-91
Third-party motor	60AA	8123498	EAMM-U-60-D32-60AA-91
With gear unit			
EMGA-40-P-...	40G	1577358	EAMM-U-60-D32-40G-91
EMGC-40-P-...			
EMGA-60-P-...SAS/SST ²⁾	60G	2748181	EAMM-U-70-D32-60G-96
EMGA-60-P-...EAS, EMGC-60-P-...2), third-party gear unit	60H	2778393	EAMM-U-70-D32-60H-96
Third-party gear unit	68GA	8058951	EAMM-U-70-D32-68GA-96

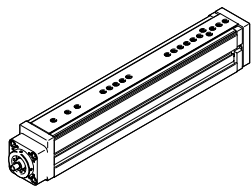
1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...-SAS/SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

3) The counter bearing EAMG cannot be used in combination with this parallel kit.

Product range overview

Permissible axis/motor combinations with mini slide EGSL



- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
EGSL-55			
With servo motor			
Third-party motor	55A	1210438	EAMM-U-60-D40-55A-91
EMMT-AS-60-..., EMMB-AS-60	60P	★ 2617488	EAMM-U-70-D40-60P-96
Third-party motor	70A	2786204	EAMM-U-70-D40-70A-96
Third-party motor	70A	1212826	EAMM-U-86-D40-70A-102
EMMT-AS-80-..., EMMB-AS-80	80P	2802441	EAMM-U-86-D40-80P-102
Third-party motor	40R	8058934	EAMM-U-60-D40-40R-91
Third-party motor	58AA	8058940	EAMM-U-60-D40-58AA-91
EMMT-AS-60-..., EMMB-AS-60	60P	8164735	EAMM-U-60-D40-60P-61 ³⁾
Third-party motor	60R	1210446	EAMM-U-60-D40-60R-91
Third-party motor	60RA	8058952	EAMM-U-70-D40-60RA-96
Third-party motor	60PA	8058972	EAMM-U-86-D40-60PA-102
Third-party motor	70AA, 70AB	8058973	EAMM-U-86-D40-70AA-102
Third-party motor	80PB	8123501	EAMM-U-86-D40-80PB-102
Third-party motor	82AA	8058975	EAMM-U-86-D40-82AA-102
Third-party motor	84AA	8058976	EAMM-U-86-D40-84AA-102
Third-party motor	88A	1362229	EAMM-U-86-D40-88A-102
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	1210442	EAMM-U-60-D40-57A-91
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	1215802	EAMM-U-86-D40-87A-102
Third-party motor	57AC	8058939	EAMM-U-60-D40-57AC-91
With gear unit			
EMGA-40-P-...	40G	1577165	EAMM-U-60-D40-40G-91
EMGC-40-P-...			
EMGA-60-P-...-SAS/SST ²⁾	60G	2785471	EAMM-U-70-D40-60G-96
EMGA-60-P-...-EAS,	60H	2786101	EAMM-U-70-D40-60H-96
EMGC-60-P-...2), third-party gear unit			
EMGA-60-P-...-SAS/SST ²⁾	60G	1586445	EAMM-U-86-D40-60G-102
EMGA-60-P-...-EAS,	60H	1586496	EAMM-U-86-D40-60H-102
EMGC-60-P-...2), third-party gear unit			
Third-party gear unit	50GA	8058935	EAMM-U-60-D40-50GA-91
Third-party gear unit	68GA	8058954	EAMM-U-70-D40-68GA-96

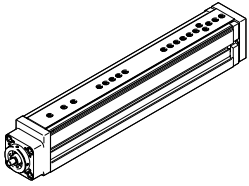
1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...-SAS/SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

3) The counter bearing EAMG cannot be used in combination with this parallel kit.

Product range overview

Permissible axis/motor combinations with mini slide EGSL

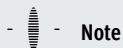


- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
EGSL-75			
With servo motor			
Third-party motor	55A	8058979	EAMM-U-86-D60-55A-102
EMMT-AS-60-..., EMMB-AS-60	60P	8058982	EAMM-U-86-D60-60P-102
Third-party motor	70A	1212477	EAMM-U-86-D60-70A-102
EMMT-AS-80-..., EMMB-AS-80	80P	2155875	EAMM-U-86-D60-80P-102
	80P, 80PA, 80RA	8234872	EAMM-U-86-D60-80P-102-G2
EMMT-AS-100-...	100A	1202436	EAMM-U-110-D60-100A-120
Third-party motor	58AA	8058981	EAMM-U-86-D60-58AA-102
Third-party motor	60PA	8058983	EAMM-U-86-D60-60PA-102
Third-party motor	60RB	8058986	EAMM-U-86-D60-60RB-102
Third-party motor	70AA, 70AB	8058988	EAMM-U-86-D60-70AA-102
Third-party motor	80PB	8107722	EAMM-U-86-D60-80PB-102
Third-party motor	82AA	8058992	EAMM-U-86-D60-82AA-102
Third-party motor	84AA	8058993	EAMM-U-86-D60-84AA-102
Third-party motor	88A	1441042	EAMM-U-86-D60-88A-102
Third-party motor	84AA	8059043	EAMM-U-110-D60-84AA-120
Third-party motor	88A	8059044	EAMM-U-110-D60-88A-120
With stepper motor			
Third-party motor	57AA	8058980	EAMM-U-86-D60-57AA-102
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	1215784	EAMM-U-86-D60-87A-102
With gear unit			
EMGA-60-P-...-SAS/SST ²⁾	60G	1536988	EAMM-U-86-D60-60G-102
EMGA-60-P-...-EAS, EMGC-60-P-...2), third-party gear unit	60H	1536988	EAMM-U-86-D60-60H-102
EMGA-60-P-...-SAS/SST ²⁾	60G	1543240	EAMM-U-110-D60-60G-120
EMGA-60-P-...-EAS, EMGC-60-P-...2), third-party gear unit	60H	1542264	EAMM-U-110-D60-60H-120
EMGA-80-P-...	80G	1532949	EAMM-U-110-D60-80G-120
Third-party gear unit	70GA	8058990	EAMM-U-86-D60-70GA-102
Third-party gear unit	90GA	8107723	EAMM-U-110-D60-90GA-120
Third-party gear unit	120GA	8059046	EAMM-U-110-D60-120GA-120

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

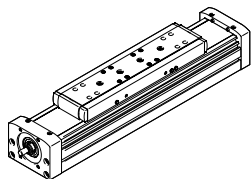
2) Gear unit output shaft diameter: EMGA-60-P-...-SAS/SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

**Note**

Clamping component EADT for adjusting the toothed belt pretension for EAMM-U-110 and EAMM-U-145 → page 42

Product range overview

Permitted axis/motor combinations with ball screw axis ELGA-BS



- The kit can be mounted in all directions
- A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery for the parallel kit to support the axis shaft.
- Table of interfaces for third-party motors → from page 64

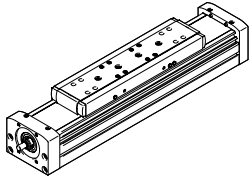
Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ELGA-BS-...-70			
With servo motor			
Third-party motor	38AA	8058926	EAMM-U-50-S38-38AA-78
Third-party motor	40A	1217708	EAMM-U-50-S38-40A-78
EMMT-AS-40-..., EMMB-AS-40-...	40P	2155239	EAMM-U-50-S38-40P-78
Third-party motor	40R	8058943	EAMM-U-60-S38-40R-91
Third-party motor	55A	1218538	EAMM-U-60-S38-55A-91
Third-party motor	58AA	8058947	EAMM-U-60-S38-58AA-91
Third-party motor	60P, 60PA	8125092	EAMM-U-60-S38-60P-91
Third-party motor	60RA	8058948	EAMM-U-60-S38-60RA-91
With stepper motor			
EMMT-ST-42-..., EMMB-ST-42-...	42A	1217945	EAMM-U-50-S38-42A-78
EMMT-ST-57-..., EMMB-ST-57-...	57A	1218568	EAMM-U-60-S38-57A-91
Third-party motor	57AC	8058946	EAMM-U-60-S38-57AC-91
With gear unit			
EMGA-40-P-...	40G	2283732	EAMM-U-60-S38-40G-91
EMGC-40-P-...	40G	2283732	EAMM-U-60-S38-40G-91
Third-party gear unit	50GA	8107724	EAMM-U-60-S38-50GA-91
ELGA-BS-...-80			
With servo motor			
Third-party motor	40R	8058949	EAMM-U-60-S48-40R-91
Third-party motor	55A	1219370	EAMM-U-60-S48-55A-91
Third-party motor	58AA	8058950	EAMM-U-60-S48-58AA-91
Third-party motor	58AA	8058995	EAMM-U-86-S48-58AA-102
Third-party motor	58AA	8059008	EAMM-U-86-S48-58AA-177
EMMT-AS-60-..., EMMB-AS-60	60P	2629253	EAMM-U-70-S48-60P-96
EMMT-AS-60-..., EMMB-AS-60	60P	8058996	EAMM-U-86-S48-60P-102
EMMT-AS-60-..., EMMB-AS-60	60P	8059011	EAMM-U-86-S48-60P-177
Third-party motor	60PA	8059012	EAMM-U-86-S48-60PA-177
Third-party motor	60R	8105843	EAMM-U-70-S48-60R-96
Third-party motor	60RA	8058969	EAMM-U-70-S48-60RA-96
Third-party motor	60RB	8058997	EAMM-U-86-S48-60RB-102
Third-party motor	60RB	8059014	EAMM-U-86-S48-60RB-177
Third-party motor	70A	2787320	EAMM-U-70-S48-70A-96
Third-party motor	70A	1217689	EAMM-U-86-S48-70A-102
Third-party motor	70A	8059016	EAMM-U-86-S48-70A-177
Third-party motor	70AA, 70AB	8058970	EAMM-U-70-S48-70AA-96
Third-party motor	70AA, 70AB	8058999	EAMM-U-86-S48-70AA-102
Third-party motor	70AA, 70AB	8059017	EAMM-U-86-S48-70AA-177
Third-party motor	82AA	8059002	EAMM-U-86-S48-82AA-102
Third-party motor	82AA	8059021	EAMM-U-86-S48-82AA-177
Third-party motor	84AA	8059003	EAMM-U-86-S48-84AA-102
Third-party motor	84AA	8059022	EAMM-U-86-S48-84AA-177

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...SAS/SST: 11 mm; EMGA-60-P-...EAS, EMGC-60-P: 14 mm

Product range overview

Permitted axis/motor combinations with ball screw axis ELGA-BS



- The kit can be mounted in all directions
- A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery for the parallel kit to support the axis shaft.
- Table of interfaces for third-party motors → from page 64

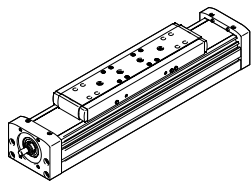
Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ELGA-BS-...-80			
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	1219379	EAMM-U-60-S48-57A-91
Third-party motor	60AA	8105898	EAMM-U-60-S48-60AA-91
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	8059004	EAMM-U-86-S48-87A-102
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	1217604	EAMM-U-86-S48-87A-177
With gear unit			
EMGA-40-P-...	40G	2283760	EAMM-U-60-S48-40G-91
EMGC-40-P-...	40G	2283760	EAMM-U-60-S48-40G-91
Third-party gear unit	50GA	8105900	EAMM-U-60-S48-50GA-91
EMGA-60-P-...SAS/SST ²⁾	60G	2283760	EAMM-U-70-S48-60G-96
EMGA-60-P-...SAS/SST ²⁾	60G	1587251	EAMM-U-86-S48-60G-102
Third-party gear unit	60G	8059009	EAMM-U-86-S48-60G-177
EMGA-60-P-...EAS, EMGC-60-P-...2), third-party gear unit	60H	2801715	EAMM-U-70-S48-60H-96
EMGA-60-P-...EAS, EMGC-60-P-...2), third-party gear unit	60H	1587338	EAMM-U-86-S48-60H-102
Third-party gear unit	70GA	8059000	EAMM-U-86-S48-70GA-102
Third-party gear unit	70GA	8059019	EAMM-U-86-S48-70GA-177
ELGA-BS-...-120			
With servo motor			
Third-party motor	55A	8059033	EAMM-U-86-S62-55A-177
Third-party motor	60PA	8059026	EAMM-U-86-S62-60PA-102
Third-party motor	60PA	8059034	EAMM-U-86-S62-60PA-177
Third-party motor	70A	8059027	EAMM-U-86-S62-70A-102
Third-party motor	70A	1217543	EAMM-U-86-S62-70A-177
Third-party motor	70AA, 70AB	8059028	EAMM-U-86-S62-70AA-102
Third-party motor	70AA, 70AB	8059036	EAMM-U-86-S62-70AA-177
EMMT-AS-80-..., EMMB-AS-80	80P	2157004	EAMM-U-86-S62-80P-177
Third-party motor	80PB	8105905	EAMM-U-86-S62-80PB-177
Third-party motor	82AA	8059031	EAMM-U-86-S62-82AA-102
Third-party motor	82AA	8059038	EAMM-U-86-S62-82AA-177
Third-party motor	84AA	8059051	EAMM-U-110-S62-84AA-120
Third-party motor	84AA	8059057	EAMM-U-110-S62-84AA-207
Third-party motor	88A	8059052	EAMM-U-110-S62-88A-120
Third-party motor	88A	8059058	EAMM-U-110-S62-88A-207
EMMT-AS-100-...	100A	1217381	EAMM-U-110-S62-100A-207
Third-party motor	126AA	8059073	EAMM-U-145-S62-126AA-288
EMMT-AS-150-...,	140A, 150A	8157287	EAMM-U-145-S62-150A-288

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...-SAS/-SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

Product range overview

Permitted axis/motor combinations with ball screw axis ELGA-BS

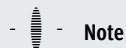


- The kit can be mounted in all directions
- A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery for the parallel kit to support the axis shaft.
- Table of interfaces for third-party motors → from page 64

Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ELGA-BS-...-120			
With stepper motor			
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	8059032	EAMM-U-86-S62-87A-102
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	1217373	EAMM-U-86-S62-87A-177
With gear unit			
EMGA-60-P-...SAS/SST ²⁾	60G	1587411	EAMM-U-86-S62-60G-177
EMGA-60-P-...-EAS, EMGC-60-P-...2), third-party gear unit	60H	1587453	EAMM-U-86-S62-60H-177
Third-party gear unit	70GA	8105902	EAMM-U-86-S62-70GA-177
ELGA-BS-...-150			
With servo motor			
Third-party motor	84AA	8059063	EAMM-U-110-S95-84AA-207
EMMT-AS-100-...	100A	1220656	EAMM-U-110-S95-100A-207
EMMT-AS-150-...	140A, 150A	1220582	EAMM-U-145-S95-140A-288
With gear unit			
EMGA-80-P-...	80G	1589544	EAMM-U-110-S95-80G-207
Third-party gear unit	90GA	8105907	EAMM-U-110-S95-90GA-207

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

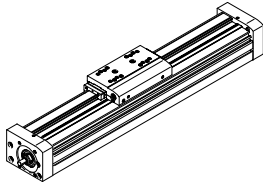
2) Gear unit output shaft diameter: EMGA-60-P-...-SAS/SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

**Note**

Clamping component EADT for adjusting the toothed belt pretension for EAMM-U-110 and EAMM-U-145 → page 42

Product range overview

Permitted axis/motor combinations with ball screw axis EGC-BS



- The kit can be mounted in all directions
- A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery for the parallel kit to support the axis shaft.
- Table of interfaces for third-party motors → from page 64

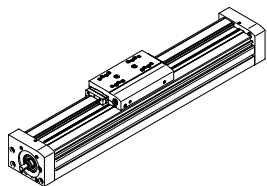
Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
EGC-70-...-BS			
With servo motor			
Third-party motor	38AA	8058926	EAMM-U-50-S38-38AA-78
Third-party motor	40A	1217708	EAMM-U-50-S38-40A-78
EMMT-AS-40-..., EMMB-AS-40-...	40P	2155239	EAMM-U-50-S38-40P-78
Third-party motor	40R	8058943	EAMM-U-60-S38-40R-91
Third-party motor	55A	1218538	EAMM-U-60-S38-55A-91
Third-party motor	58AA	8058947	EAMM-U-60-S38-58AA-91
Third-party motor	60P, 60PA	8125092	EAMM-U-60-S38-60P-91
Third-party motor	60RA	8058948	EAMM-U-60-S38-60RA-91
With stepper motor			
EMMT-ST-42-..., EMMB-ST-42-...	42A	1217945	EAMM-U-50-S38-42A-78
EMMT-ST-57-..., EMMB-ST-57-...	57A	1218568	EAMM-U-60-S38-57A-91
Third-party motor	57AC	8058946	EAMM-U-60-S38-57AC-91
With gear unit			
EMGA-40-P-...	40G	2283732	EAMM-U-60-S38-40G-91
EMGC-40-P-...	40G	2283732	EAMM-U-60-S38-40G-91
Third-party gear unit	50GA	8107724	EAMM-U-60-S38-50GA-91
EGC-80-...-BS			
With servo motor			
Third-party motor	40R	8058949	EAMM-U-60-S48-40R-91
Third-party motor	55A	1219370	EAMM-U-60-S48-55A-91
Third-party motor	58AA	8058950	EAMM-U-60-S48-58AA-91
Third-party motor	58AA	8058995	EAMM-U-86-S48-58AA-102
Third-party motor	58AA	8059008	EAMM-U-86-S48-58AA-177
EMMT-AS-60-..., EMMB-AS-60	60P	2629253	EAMM-U-70-S48-60P-96
EMMT-AS-60-..., EMMB-AS-60	60P	8058996	EAMM-U-86-S48-60P-102
EMMT-AS-60-..., EMMB-AS-60	60P	8059011	EAMM-U-86-S48-60P-177
Third-party motor	60PA	8059012	EAMM-U-86-S48-60PA-177
Third-party motor	60R	8105843	EAMM-U-70-S48-60R-96
Third-party motor	60RA	8058969	EAMM-U-70-S48-60RA-96
Third-party motor	60RB	8058997	EAMM-U-86-S48-60RB-102
Third-party motor	60RB	8059014	EAMM-U-86-S48-60RB-177
Third-party motor	70A	2787320	EAMM-U-70-S48-70A-96
Third-party motor	70A	1217689	EAMM-U-86-S48-70A-102
Third-party motor	70A	8059016	EAMM-U-86-S48-70A-177
Third-party motor	70AA, 70AB	8058970	EAMM-U-70-S48-70AA-96
Third-party motor	70AA, 70AB	8058999	EAMM-U-86-S48-70AA-102
Third-party motor	70AA, 70AB	8059017	EAMM-U-86-S48-70AA-177
Third-party motor	82AA	8059002	EAMM-U-86-S48-82AA-102
Third-party motor	82AA	8059021	EAMM-U-86-S48-82AA-177
Third-party motor	84AA	8059003	EAMM-U-86-S48-84AA-102
Third-party motor	84AA	8059022	EAMM-U-86-S48-84AA-177

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...SAS/-SST: 11 mm; EMGA-60-P-...EAS, EMGC-60-P: 14 mm

Product range overview

Permitted axis/motor combinations with ball screw axis EGC-BS



- The kit can be mounted in all directions
- A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery for the parallel kit to support the axis shaft.
- Table of interfaces for third-party motors → from page 64

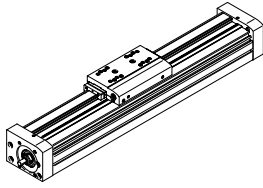
Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
EGC-80-...-BS			
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	1219379	EAMM-U-60-S48-57A-91
Third-party motor	60AA	8105898	EAMM-U-60-S48-60AA-91
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	8059004	EAMM-U-86-S48-87A-102
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	1217604	EAMM-U-86-S48-87A-177
With gear unit			
EMGA-40-P-...	40G	2283760	EAMM-U-60-S48-40G-91
EMGC-40-P-...	40G	2283760	EAMM-U-60-S48-40G-91
Third-party gear unit	50GA	8105900	EAMM-U-60-S48-50GA-91
EMGA-60-P-...-SAS/SST ²⁾	60G	2283760	EAMM-U-70-S48-60G-96
EMGA-60-P-...-SAS/SST ²⁾	60G	1587251	EAMM-U-86-S48-60G-102
EMGA-60-P-...-SAS/SST ²⁾	60G	8059009	EAMM-U-86-S48-60G-177
EMGA-60-P-...-EAS, EMGC-60-P-...2), third-party gear unit	60H	2801715	EAMM-U-70-S48-60H-96
EMGA-60-P-...-EAS, EMGC-60-P-...2), third-party gear unit	60H	1587338	EAMM-U-86-S48-60H-102
Third-party gear unit	70GA	8059000	EAMM-U-86-S48-70GA-102
Third-party gear unit	70GA	8059019	EAMM-U-86-S48-70GA-177
EGC-120-...-BS			
With servo motor			
Third-party motor	55A	8059033	EAMM-U-86-S62-55A-177
Third-party motor	60PA	8059026	EAMM-U-86-S62-60PA-102
Third-party motor	60PA	8059034	EAMM-U-86-S62-60PA-177
Third-party motor	70A	8059027	EAMM-U-86-S62-70A-102
Third-party motor	70A	1217543	EAMM-U-86-S62-70A-177
Third-party motor	70AA, 70AB	8059028	EAMM-U-86-S62-70AA-102
Third-party motor	70AA, 70AB	8059036	EAMM-U-86-S62-70AA-177
EMMT-AS-80-..., EMMB-AS-80	80P	2157004	EAMM-U-86-S62-80P-177
Third-party motor	80PB	8105905	EAMM-U-86-S62-80PB-177
Third-party motor	82AA	8059031	EAMM-U-86-S62-82AA-102
Third-party motor	82AA	8059038	EAMM-U-86-S62-82AA-177
Third-party motor	84AA	8059051	EAMM-U-110-S62-84AA-120
Third-party motor	84AA	8059057	EAMM-U-110-S62-84AA-207
Third-party motor	88A	8059052	EAMM-U-110-S62-88A-120
Third-party motor	88A	8059058	EAMM-U-110-S62-88A-207
EMMT-AS-100-...	100A	1217381	EAMM-U-110-S62-100A-207
Third-party motor	126AA	8059073	EAMM-U-145-S62-126AA-288
EMMT-AS-150-...,	140A, 150A	8157287	EAMM-U-145-S62-150A-288

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...-SAS/SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

Product range overview

Permitted axis/motor combinations with ball screw axis EGC-BS

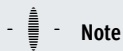


- The kit can be mounted in all directions
- A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery for the parallel kit to support the axis shaft.
- Table of interfaces for third-party motors → from page 64

Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
EGC-120-...-BS			
With stepper motor			
EMMT-ST-57-..., EMMB-ST-87-..., third-party motor	87A	8059032	EAMM-U-86-S62-87A-102
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	1217373	EAMM-U-86-S62-87A-177
With gear unit			
EMGA-60-P-...-SAS/SST ²⁾	60G	1587411	EAMM-U-86-S62-60G-177
EMGA-60-P-...-EAS, EMGC-60-P-...2), third-party gear unit	60H	1587453	EAMM-U-86-S62-60H-177
Third-party gear unit	70GA	8105902	EAMM-U-86-S62-70GA-177
EGC-185-...-BS			
With servo motor			
Third-party motor	84AA	8059063	EAMM-U-110-S95-84AA-207
EMMT-AS-100-...	100A	1220656	EAMM-U-110-S95-100A-207
EMMT-AS-150-...	140A, 150A	8157288	EAMM-U-145-S95-150A-288
With gear unit			
EMGA-80-P-...	80G	1589544	EAMM-U-110-S95-80G-207
Third-party gear unit	90GA	8105907	EAMM-U-110-S95-90GA-207

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

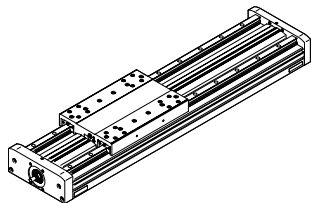
2) Gear unit output shaft diameter: EMGA-60-P-...SAS/SST: 11 mm; EMGA-60-P-...EAS, EMGC-60-P: 14 mm

**Note**

Clamping component EADT for adjusting the toothed belt pretension for EAMM-U-110 and EAMM-U-145 → page 42

Product range overview

Permitted axis/motor combinations with ball screw axis with heavy-duty guide EGC-HD-BS



- A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery for the parallel kit to support the axis shaft.
- Table of interfaces for third-party motors → from page 64

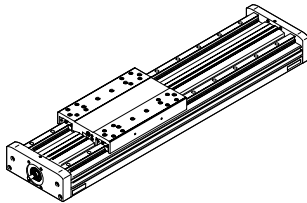
Motor/gear unit ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
EGC-HD-125-...-BS			
With servo motor			
Third-party motor	38AA	8058926	EAMM-U-50-S38-38AA-78
Third-party motor	40A	1217708	EAMM-U-50-S38-40A-78
EMMT-AS-40-..., EMMB-AS-40-...	40P	2155239	EAMM-U-50-S38-40P-78
Third-party motor	40R	8058943	EAMM-U-60-S38-40R-91
Third-party motor	55A	1218538	EAMM-U-60-S38-55A-91
Third-party motor	58AA	8058947	EAMM-U-60-S38-58AA-91
Third-party motor	60P, 60PA	8125092	EAMM-U-60-S38-60P-91
Third-party motor	60RA	8058948	EAMM-U-60-S38-60RA-91
With stepper motor			
EMMT-ST-42-..., EMMB-ST-42-...	42A	1217945	EAMM-U-50-S38-42A-78
EMMT-ST-57-..., EMMB-ST-57-...	57A	1218568	EAMM-U-60-S38-57A-91
Third-party motor	57AC	8058946	EAMM-U-60-S38-57AC-91
With gear unit			
EMGA-40-P-...	40G	2283732	EAMM-U-60-S38-40G-91
EMGC-40-P-...	40G	2283732	EAMM-U-60-S38-40G-91
Third-party gear unit	50GA	8107724	EAMM-U-60-S38-50GA-91
EGC-HD-160-...-BS			
With servo motor			
Third-party motor	40R	8058949	EAMM-U-60-S48-40R-91
Third-party motor	55A	1219370	EAMM-U-60-S48-55A-91
Third-party motor	58AA	8058950	EAMM-U-60-S48-58AA-91
Third-party motor	58AA	8058995	EAMM-U-86-S48-58AA-102
Third-party motor	58AA	8059008	EAMM-U-86-S48-58AA-177
EMMT-AS-60-..., EMMB-AS-60	60P	2629253	EAMM-U-70-S48-60P-96
EMMT-AS-60-..., EMMB-AS-60	60P	8058996	EAMM-U-86-S48-60P-102
EMMT-AS-60-..., EMMB-AS-60	60P	8059011	EAMM-U-86-S48-60P-177
Third-party motor	60PA	8059012	EAMM-U-86-S48-60PA-177
Third-party motor	60R	8105843	EAMM-U-70-S48-60R-96
Third-party motor	60RA	8058969	EAMM-U-70-S48-60RA-96
Third-party motor	60RB	8058997	EAMM-U-86-S48-60RB-102
Third-party motor	60RB	8059014	EAMM-U-86-S48-60RB-177
Third-party motor	70A	2787320	EAMM-U-70-S48-70A-96
Third-party motor	70A	1217689	EAMM-U-86-S48-70A-102
Third-party motor	70A	8059016	EAMM-U-86-S48-70A-177
Third-party motor	70AA, 70AB	8058970	EAMM-U-70-S48-70AA-96
Third-party motor	70AA, 70AB	8058999	EAMM-U-86-S48-70AA-102
Third-party motor	70AA, 70AB	8059017	EAMM-U-86-S48-70AA-177
Third-party motor	82AA	8059002	EAMM-U-86-S48-82AA-102
Third-party motor	82AA	8059021	EAMM-U-86-S48-82AA-177
Third-party motor	84AA	8059003	EAMM-U-86-S48-84AA-102
Third-party motor	84AA	8059022	EAMM-U-86-S48-84AA-177

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...SAS/SST: 11 mm; EMGA-60-P-...EAS, EMGC-60-P: 14 mm

Product range overview

Permitted axis/motor combinations with ball screw axis with heavy-duty guide EGC-HD-BS



- A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery for the parallel kit to support the axis shaft.
- Table of interfaces for third-party motors → from page 64

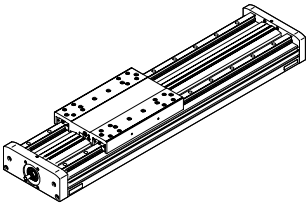
Motor/gear unit ¹⁾ Type	Motor interface	Parallel kit Part no.	Type
EGC-HD-160-...-BS			
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	1219379	EAMM-U-60-S48-57A-91
Third-party motor	60AA	8105898	EAMM-U-60-S48-60AA-91
EMMT-ST-87, EMMB-ST-87-..., third-party motor	87A	8059004	EAMM-U-86-S48-87A-102
EMMT-ST-87, EMMB-ST-87-..., third-party motor	87A	1217604	EAMM-U-86-S48-87A-177
With gear unit			
EMGA-40-P-...	40G	2283760	EAMM-U-60-S48-40G-91
EMGC-40-P-...	40G	2283760	EAMM-U-60-S48-40G-91
Third-party gear unit	50GA	8105900	EAMM-U-60-S48-50GA-91
EMGA-60-P-...-SAS/SST ²⁾	60G	2283760	EAMM-U-70-S48-60G-96
EMGA-60-P-...-SAS/SST ²⁾	60G	1587251	EAMM-U-86-S48-60G-102
EMGA-60-P-...-SAS/SST ²⁾	60G	8059009	EAMM-U-86-S48-60G-177
EMGA-60-P-...-EAS, EMGC-60-P-...2), third-party gear unit	60H	2801715	EAMM-U-70-S48-60H-96
EMGA-60-P-...-EAS, EMGC-60-P-...2), third-party gear unit	60H	1587338	EAMM-U-86-S48-60H-102
Third-party gear unit	70GA	8059000	EAMM-U-86-S48-70GA-102
Third-party gear unit	70GA	8059019	EAMM-U-86-S48-70GA-177
EGC-HD-220-...-BS			
With servo motor			
Third-party motor	55A	8059033	EAMM-U-86-S62-55A-177
Third-party motor	60PA	8059026	EAMM-U-86-S62-60PA-102
Third-party motor	60PA	8059034	EAMM-U-86-S62-60PA-177
Third-party motor	70A	8059027	EAMM-U-86-S62-70A-102
Third-party motor	70A	1217543	EAMM-U-86-S62-70A-177
Third-party motor	70AA, 70AB	8059028	EAMM-U-86-S62-70AA-102
Third-party motor	70AA, 70AB	8059036	EAMM-U-86-S62-70AA-177
EMMT-AS-80-..., EMMB-AS-80	80P	2157004	EAMM-U-86-S62-80P-177
Third-party motor	80PB	8105905	EAMM-U-86-S62-80PB-177
Third-party motor	82AA	8059031	EAMM-U-86-S62-82AA-102
Third-party motor	82AA	8059038	EAMM-U-86-S62-82AA-177
Third-party motor	84AA	8059051	EAMM-U-110-S62-84AA-120
Third-party motor	84AA	8059057	EAMM-U-110-S62-84AA-207
Third-party motor	88A	8059052	EAMM-U-110-S62-88A-120
Third-party motor	88A	8059058	EAMM-U-110-S62-88A-207
EMMT-AS-100-...	100A	1217381	EAMM-U-110-S62-100A-207
Third-party motor	126AA	8059073	EAMM-U-145-S62-126AA-288
EMMT-AS-150-...,	140A, 150A	8157287	EAMM-U-145-S62-150A-288

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...-SAS/SST: 11 mm; EMGA-60-P-...-EAS, EMGC-60-P: 14 mm

Product range overview

Permitted axis/motor combinations with ball screw axis with heavy-duty guide EGC-HD-BS



- A counter bearing EAMG and a clamping sleeve EAMH-...-P with integrated trunnion are included in the scope of delivery for the parallel kit to support the axis shaft.
- Table of interfaces for third-party motors → from page 64

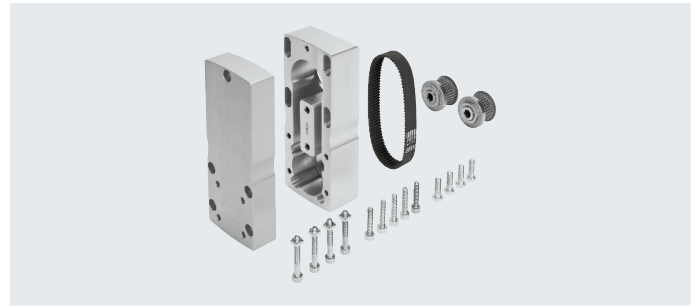
Motor/gear unit ¹⁾ Type	Motor interface	Parallel kit Part no.	Type
EGC-HD-220-...-BS			
With stepper motor			
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	8059032	EAMM-U-86-S62-87A-102
EMMT-ST-87-..., EMMB-ST-87-..., third-party motor	87A	1217373	EAMM-U-86-S62-87A-177
With gear unit			
EMGA-60-P-...-SAS/SST ²⁾	60G	1587411	EAMM-U-86-S62-60G-177
EMGA-60-P-...-EAS, EMGC-60-P-...2), third-party gear unit	60H	1587453	EAMM-U-86-S62-60H-177
Third-party gear unit	70GA	8105902	EAMM-U-86-S62-70GA-177

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.
2) Gear unit output shaft diameter: EMGA-60-P-...SAS/SST: 11 mm; EMGA-60-P-...EAS, EMGC-60-P: 14 mm

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Material:

Housing: Wrought aluminium alloy
Clamping sleeve, toothed belt pulley:
Corrosion-resistant steel
Toothed belt: Polychloroprene
Screws: Galvanised steel



General technical data								
Type	For axis	Transferable torque	Mass moment of inertia	Max. speed	No-load driving torque	Weight	→ Page	
		[Nm]	[kgmm ²]	[rpm]	[Nm]	[g]		
EAMM-U-50-D19-38AA-78	EGSL-BS-35	1	12.1	6000	0.01	600	29	
EAMM-U-50-D19-40R-78						600		
EAMM-U-50-D32-38AA-78	ESBF-BS-32, EGSL-BS-45					600	29, 35	
EAMM-U-50-D32-40A-78						603		
EAMM-U-50-D32-40A-78-S1	ESBF-BS-32					620		
EAMM-U-50-D32-40P-48	ESBF-BS-32, EGSL-BS-45					479		
EAMM-U-50-D32-40P-78						596		
EAMM-U-50-D32-40P-78-S1	ESBF-BS-32					610		
EAMM-U-50-D32-40R-78	ESBF-BS-32					589		
EAMM-U-50-D32-40RA-78	ESBF-BS-32, EGSL-BS-45					589		
EAMM-U-50-D32-42A-78						610		
EAMM-U-50-D32-42A-78-S1	ESBF-BS-32					625		
EAMM-U-60-D32-40G-91	ESBF-BS-32, EGSL-BS-45	3	26.7	6000	0.07	1100		
EAMM-U-60-D32-40G-91-S1						ESBF-BS-32		1140
EAMM-U-60-D32-55A-91	ESBF-BS-32, EGSL-BS-45					1050		
EAMM-U-60-D32-55A-91-S1						1100		
EAMM-U-60-D32-57A-91	ESBF-BS-32, EGSL-BS-45					1160		
EAMM-U-60-D32-57A-91-S1						1190		
EAMM-U-60-D32-57AC-91	ESBF-BS-32, EGSL-BS-45					1150		
EAMM-U-60-D32-58AA-91						1150		
EAMM-U-60-D32-60AA-91						1150		
EAMM-U-60-D32-60P-91	ESBF-BS-40, EGSL-BS-55					1130		
EAMM-U-60-D32-60RA-91						1150		
EAMM-U-60-D32-60RB-91						1150		
EAMM-U-60-D40-40G-91						1080		
EAMM-U-60-D40-40G-91-S1	ESBF-BS-40					1130		
EAMM-U-60-D40-40R-91	ESBF-BS-40, EGSL-BS-55					1150		
EAMM-U-60-D40-50GA-91						1150		
EAMM-U-60-D40-55A-91	ESBF-BS-40					1040		
EAMM-U-60-D40-55A-91-S1						1080		
EAMM-U-60-D40-57A-91	ESBF-BS-40, EGSL-BS-55					1140		
EAMM-U-60-D40-57A-91-S1						1170		
EAMM-U-60-D40-57AC-91	ESBF-BS-40, EGSL-BS-55					1150		
EAMM-U-60-D40-58AA-91						1150		
EAMM-U-60-D40-60P-61						926		
EAMM-U-60-D40-60R-91						1120		
EAMM-U-60-D40-60R-91-S1						1150		

Datasheet

General technical data							
Type	For axis	Transferable torque [Nm]	Mass moment of inertia [kgmm ²]	Max. speed [rpm]	No-load driving torque [Nm]	Weight [g]	→ Page
EAMM-U-70-D32-60G-96	ESBF-BS-32, EGSL-BS-45	7	118	5000	0.18	1760	29, 35
EAMM-U-70-D32-60G-96-S1	ESBF-BS-32					1780	
EAMM-U-70-D32-60H-96	ESBF, EGSL					1750	
EAMM-U-70-D32-60H-96-S1	ESBF-BS-32					1780	
EAMM-U-70-D32-60P-96	ESBF, EGSL					1750	
EAMM-U-70-D32-60P-96-S1	ESBF-BS-32					1770	
EAMM-U-70-D32-68GA-96	ESBF, EGSL					1800	
EAMM-U-70-D32-70A-96	ESBF, EGSL					1720	
EAMM-U-70-D32-70A-96-S1	ESBF-BS-32					1750	
EAMM-U-70-D32-70AA-96	ESBF, EGSL					1750	
EAMM-U-70-D40-60G-96FDGF	ESBF-BS-40, EGSL-BS-55					1740	
EAMM-U-70-D40-60G-96-S1	ESBF-BS-40					1770	
EAMM-U-70-D40-60H-96	ESBF-BS-40, EGSL-BS-55					1730	
EAMM-U-70-D40-60H-96-S1	ESBF-BS-40					1760	
EAMM-U-70-D40-60P-96	ESBF-BS-40, EGSL-BS-55					1730	
EAMM-U-70-D40-60P-96-S1	ESBF-BS-40					1750	
EAMM-U-70-D40-60RA-96	ESBF-BS-40, EGSL-BS-55					1800	
EAMM-U-70-D40-68GA-96						1800	
EAMM-U-70-D40-70A-96						1700	
EAMM-U-70-D40-70A-96-S1	ESBF-BS-40					1730	
EAMM-U-70-D50-60P-96	ESBF-BS-50					1730	
EAMM-U-70-D50-70A-96						1700	
EAMM-U-70-D50-70A-96-S1						1730	
EAMM-U-70-D50-60RA-96						1800	
EAMM-U-70-D50-68GA-96						1800	
EAMM-U-86-D40-60G-102	ESBF-BS-40, EGSL-BS-55	9.5	175	5000	0.25	2480	
EAMM-U-86-D40-60G-102-S1	ESBF-BS-40					2500	
EAMM-U-86-D40-60H-102	ESBF-BS-40, EGSL-BS-55					2470	
EAMM-U-86-D40-60H-102-S1	ESBF-BS-40					2490	
EAMM-U-86-D40-60PA-102	ESBF-BS-40, EGSL-BS-55					2500	
EAMM-U-86-D40-70A-102						2450	
EAMM-U-86-D40-70A-102-S1	ESBF-BS-40					2460	
EAMM-U-86-D40-70AA-102	ESBF-BS-40, EGSL-BS-55					2400	
EAMM-U-86-D40-80P-102						2300	
EAMM-U-86-D40-80P-102-S1	ESBF-BS-40					2320	
EAMM-U-86-D40-80PB-102	ESBF-BS-40, EGSL-BS-55					2300	
EAMM-U-86-D40-82AA-102						2500	
EAMM-U-86-D40-84AA-102						2590	
EAMM-U-86-D40-87A-102						2510	
EAMM-U-86-D40-87A-102-S1	ESBF-BS-40					2530	
EAMM-U-86-D40-88A-102	ESBF-BS-40, EGSL-BS-55					2490	

Datasheet

General technical data							
Type	For axis	Transferable torque	Mass moment of inertia	Max. speed	No-load driving torque	Weight	→ Page
		[Nm]	[kgmm ²]	[rpm]	[Nm]	[g]	
EAMM-U-86-D50-60G-102	ESBF-BS-50	9.5	175	5000	0.25	2510	29
EAMM-U-86-D50-60G-102-S1						2530	
EAMM-U-86-D50-60H-102						2500	
EAMM-U-86-D50-60H-102-S1						2520	
EAMM-U-86-D50-80P-102						2330	
EAMM-U-86-D50-80P-102-S1						2350	
EAMM-U-86-D50-80PB-102						2330	
EAMM-U-86-D50-87A-102						2550	
EAMM-U-86-D50-87A-102-S1						2560	
EAMM-U-86-D60-55A-102	ESBF-BS-63, EGSL-BS-75	9.5	175	5000	0.25	2500	29, 35
EAMM-U-86-D60-57AA-102						2500	
EAMM-U-86-D60-58AA-102						2500	
EAMM-U-86-D60-60G-102						2480	
EAMM-U-86-D60-60G-102-S1	ESBF-BS-63					2500	
EAMM-U-86-D60-60H-102	ESBF-BS-63, EGSL-BS-75					2470	
EAMM-U-86-D60-60H-102-S1	ESBF-BS-63					2490	
EAMM-U-86-D60-60P-102	ESBF-BS-63, EGSL-BS-75					2500	
EAMM-U-86-D60-60PA-102						2500	
EAMM-U-86-D60-60RB-102						2500	
EAMM-U-86-D60-70A-102						2440	
EAMM-U-86-D60-70A-102-S1	ESBF-BS-63					2460	
EAMM-U-86-D60-70AA-102	ESBF-BS-63, EGSL-BS-75					2400	
EAMM-U-86-D60-70GA-102						2500	
EAMM-U-86-D60-80P-102						2300	
EAMM-U-86-D60-80P-102-G2						2290	
EAMM-U-86-D60-80P-102-S1	ESBF-BS-63					2320	
EAMM-U-86-D60-80P-102-S1-G2						2320	
EAMM-U-86-D60-80PB-102	ESBF-BS-63, EGSL-BS-75					2300	
EAMM-U-86-D60-82AA-102						2500	
EAMM-U-86-D60-84AA-102						2590	
EAMM-U-86-D60-87A-102						2510	
EAMM-U-86-D60-87A-102-S1	ESBF-BS-63					2520	
EAMM-U-86-D60-88A-102	ESBF-BS-63, EGSL-BS-75						
EAMM-U-110-D50-60G-120	ESBF-BS-50	25	799	5000	0.3	5290	29
EAMM-U-110-D50-60G-120-S1						5320	
EAMM-U-110-D50-60H-120						5280	
EAMM-U-110-D50-60H-120-S1						5310	
EAMM-U-110-D50-80G-120						5160	
EAMM-U-110-D50-80G-120-S1						5220	
EAMM-U-110-D50-84AA-120							
EAMM-U-110-D50-100A-120						4990	
EAMM-U-110-D50-100A-120-S1						5050	
EAMM-U-110-D50-120GA-120						5250	
EAMM-U-110-D60-60G-120	ESBF-BS-63, EGSL-BS-75					5250	29, 35
EAMM-U-110-D60-60G-120-S1						ESBF-BS-63	

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General technical data								
Type	For axis	Transferable torque [Nm]	Mass moment of inertia [kgmm ²]	Max. speed [rpm]	No-load driving torque [Nm]	Weight [g]	→ Page	
EAMM-U-110-D60-60H-120	ESBF-BS-63, EGSL-BS-75	25	799	5000	0.3	5240	29, 35	
EAMM-U-110-D60-60H-120-S1	ESBF					5270		
EAMM-U-110-D60-80G-120	ESBF-BS-63, EGSL-BS-75					5120		
EAMM-U-110-D60-80G-120-S1	ESBF					5180		
EAMM-U-110-D60-84AA-120	ESBF-BS-63, EGSL-BS-75					5250		
EAMM-U-110-D60-88A-120						5250		
EAMM-U-110-D60-90R-120						5070		
EAMM-U-110-D60-90R-120-S1						5110		
EAMM-U-110-D60-90GA-120	ESBF					5250		
EAMM-U-110-D60-100A-120	ESBF-BS-63, EGSL-BS-75					4950		
EAMM-U-110-D60-100A-120-S1	ESBF					5020		
EAMM-U-110-D80-80G-120	ESBF-BS-80					5240		
EAMM-U-110-D80-80G-120-S1						5310		
EAMM-U-110-D80-100A-120						5070		
EAMM-U-110-D80-100A-120-S1						5140		
EAMM-U-110-D80-120GA-120						5250		
EAMM-U-145-D80-90GA-188		ESBF-BS-80	50	2270	4000	2.0	12000	29
EAMM-U-145-D80-126AA-188	12000							
EAMM-U-145-D80-140A-188	11900							
EAMM-U-145-D80-140A-188-S1	12100							
EAMM-U-145-D80-150A-188	11500							
EAMM-U-145-D80-150A-188-S1	11600							
EAMM-U-145-D100-120G-188	ESBF-BS-100	12000						
EAMM-U-145-D100-120G-188-S1		12100						
EAMM-U-145-D100-140A-188		11800						
EAMM-U-145-D100-140A-188-S1		11900						
EAMM-U-145-D100-150A-188		11400						
EAMM-U-145-D100-150A-188-S1		11500						
EAMM-U-50-S38-38AA-78	ELGA-BS-70, EGC-BS-70, EGC-HD-BS-125	1	12.1	6000	0.01	600	39	
EAMM-U-50-S38-40A-78						581		
EAMM-U-50-S38-40P-78						577		
EAMM-U-50-S38-42A-78						589		
EAMM-U-60-S38-40G-91		3	26.7	6000	0.07	1040		
EAMM-U-60-S38-40R-91						1150		
EAMM-U-60-S38-55A-91						990		
EAMM-U-60-S38-57A-91						1090		
EAMM-U-60-S38-57AC-91						1150		
EAMM-U-60-S38-58AA-91						1150		
EAMM-U-60-S38-50GA-91						1150		
EAMM-U-60-S38-60P-91						1120		
EAMM-U-60-S38-60RA-91						1150		
EAMM-U-60-S48-40G-91						ELGA-BS-80, EGC-BS-80, EGC-HD-BS-160		1110
EAMM-U-60-S48-40R-91								1150
EAMM-U-60-S48-50GA-91								1150
EAMM-U-60-S48-55A-91								1060
EAMM-U-60-S48-57A-91								1160
EAMM-U-60-S48-58AA-91								1150
EAMM-U-60-S48-60AA-91								1150
EAMM-U-70-S48-60G-96		7	118	5000	0.18		1780	39
EAMM-U-70-S48-60H-96						1780		
EAMM-U-70-S48-60P-96						1790		
EAMM-U-70-S48-60R-96						1790		
EAMM-U-70-S48-60RA-96						1760		
EAMM-U-70-S48-70A-96						1750		
EAMM-U-70-S48-70AA-96						1720		

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General technical data													
Type	For axis	Transferable torque [Nm]	Mass moment of inertia [kgmm ²]	Max. speed [rpm]	No-load driving torque [Nm]	Weight [g]	→ Page						
EAMM-U-86-S48-58AA-102	ELGA-BS-80, EGC-BS-80	9.5	175	5000	0.25	2500	39						
EAMM-U-86-S48-60G-102						2480							
EAMM-U-86-S48-60H-102						2470							
EAMM-U-86-S48-60P-102						2500							
EAMM-U-86-S48-60RB-102						2500							
EAMM-U-86-S48-70A-102						2440							
EAMM-U-86-S48-70AA-102						2430							
EAMM-U-86-S48-70GA-102						2500							
EAMM-U-86-S48-82AA-102						2500							
EAMM-U-86-S48-84AA-102						2600							
EAMM-U-86-S48-87A-102						2500							
EAMM-U-86-S48-58AA-177						EGC-HD-BS-160		3300					
EAMM-U-86-S48-60G-177								3300					
EAMM-U-86-S48-60P-177								3300					
EAMM-U-86-S48-60PA-177	3300												
EAMM-U-86-S48-60PB-177	3300												
EAMM-U-86-S48-70A-177	3160												
EAMM-U-86-S48-70AA-177	3170												
EAMM-U-86-S48-70GA-177	3300												
EAMM-U-86-S48-82AA-177	3300												
EAMM-U-86-S48-84AA-177	3340												
EAMM-U-86-S48-87A-177	3270												
EAMM-U-86-S60-60G-177	ELGD-BS-120	9.5	175	5000	0.25		3170	39					
EAMM-U-86-S60-60H-177							3160						
EAMM-U-86-S60-70A-177							3140						
EAMM-U-86-S60-80P-177						3010							
EAMM-U-86-S60-82AA-177						3030							
EAMM-U-86-S60-84AA-177						3320							
EAMM-U-86-S60-87A-177						3210							
EAMM-U-86-S62-60PA-102	ELGA-BS-120, EGC-BS-120	9.5	175	5000	0.25	2500	39						
EAMM-U-86-S62-70A-102						2960							
EAMM-U-86-S62-70AA-102						2950							
EAMM-U-86-S62-82AA-102						2500							
EAMM-U-86-S62-87A-102						2500							
EAMM-U-86-S62-55A-177	EGC-HD-BS-220	9.5	175	5000	0.25	3300							
EAMM-U-86-S62-60G-177						3300							
EAMM-U-86-S62-60H-177						3290							
EAMM-U-86-S62-60PA-177						3300							
EAMM-U-86-S62-70A-177						3270							
EAMM-U-86-S62-70AA-177						3210							
EAMM-U-86-S62-70GA-177						3300							
EAMM-U-86-S62-80PB-177						3300							
EAMM-U-86-S62-80P-177						3130							
EAMM-U-86-S62-82AA-177						3300							
EAMM-U-86-S62-87A-177						3330							
EAMM-U-110-S60-90R-207						ELGD-BS-120		25	799	5000	0.3	6540	39
EAMM-U-110-S60-100A-207												6420	
EAMM-U-110-S62-84AA-120						ELGA-BS-120, EGC-BS-120		25	799	5000	0.3	5250	
EAMM-U-110-S62-88A-120	5250												
EAMM-U-110-S62-84AA-207	EGC-HD-BS-220	6900											
EAMM-U-110-S62-88A-207		6900											
EAMM-U-110-S62-100A-207		6900											
EAMM-U-110-S95-80G-207	EGC-BS-185	25	799	5000	0.3	6940							
EAMM-U-110-S95-90GA-207						6940							
EAMM-U-110-S95-84AA-207						6900							
EAMM-U-110-S95-100A-207						6810							

Datasheet

General technical data											
Type	For axis	Transferable torque [Nm]	Mass moment of inertia [kgmm²]	Max. speed [rpm]	No-load driving torque [Nm]	Weight [g]	→ Page				
EAMM-U-145-S62-126AA-288	ELGA-BS-120, EGC-BS-120, EGC-HD-BS-220	50	2270	4000	2.0	15000	39				
EAMM-U-145-S62-140A-288						15000					
EAMM-U-145-S62-150A-288						14600					
EAMM-U-145-S95-140A-288	EGC-BS-185					14900					
EAMM-U-145-S95-150A-288						14500					

Operating and environmental conditions		
Gear ratio		1:1
Ambient temperature	[°C]	−10 ... +60
Storage temperature	[°C]	−25 ... +60
Degree of protection ¹⁾		
EAMM-U-....		IP40
EAMM-U-....S1		IP65
Relative humidity	[%]	0 ... 95
Corrosion resistance class CRC ²⁾		2
Note on materials		RoHS-compliant
LABS (PWIS) conformity		VDMA24364-Zone III

1) Only in combination with attached motor and axis.

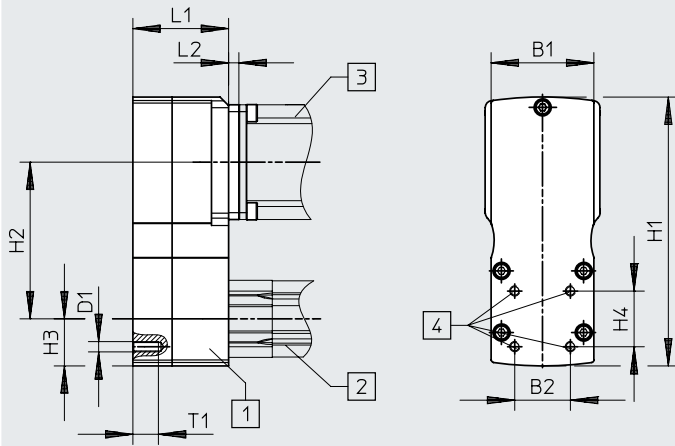
2) More information www.festo.com/x/topic/crc

Datasheet

Dimensions and ordering data

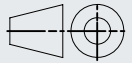
Download CAD data → www.festo.com

ESBF-BS-...



Main illustration:

- [1] Parallel kit
- [2] Electric cylinder
- [3] Motor
- [4] Interface for mounting accessories
- [5] Only with EAMM-U-...-S1 (with degree of protection IP65)



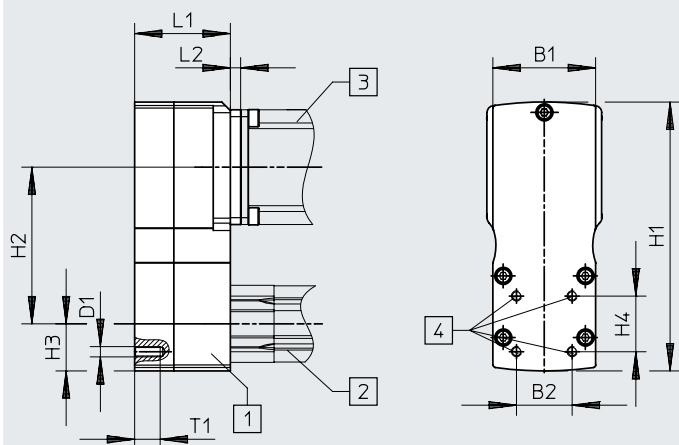
Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type	
EAMM-U-50-D32-32B-78	50	32.5	M6	128.8	78	22.8	32.5	45	-	15	1570862	EAMM-U-50-D32-32B-78	
EAMM-U-50-D32-38AA-78											8058924	EAMM-U-50-D32-38AA-78	
EAMM-U-50-D32-40RA-78											8058925	EAMM-U-50-D32-40RA-78	
EAMM-U-50-D32-40A-78											1201591	EAMM-U-50-D32-40A-78	
EAMM-U-50-D32-40A-78-S1											1202302	EAMM-U-50-D32-40A-78-S1	
EAMM-U-50-D32-40P-48					48						8164734	EAMM-U-50-D32-40P-48	
EAMM-U-50-D32-40P-78					78						2153283	EAMM-U-50-D32-40P-78	
EAMM-U-50-D32-40P-78-S1											2154009	EAMM-U-50-D32-40P-78-S1	
EAMM-U-50-D32-42A-78											1201607	EAMM-U-50-D32-42A-78	
EAMM-U-50-D32-42A-78-S1											1202312	EAMM-U-50-D32-42A-78-S1	
EAMM-U-60-D32-40G-91											60	32.5	M6
EAMM-U-60-D32-40G-91-S1	8.5	1577346	EAMM-U-60-D32-40G-91-S1										
EAMM-U-60-D32-55A-91	-	1210126	EAMM-U-60-D32-55A-91										
EAMM-U-60-D32-55A-91-S1		1210450	EAMM-U-60-D32-55A-91-S1										
EAMM-U-60-D32-57A-91		1210419	EAMM-U-60-D32-57A-91										
EAMM-U-60-D32-57A-91-S1		1210453	EAMM-U-60-D32-57A-91-S1										
EAMM-U-60-D32-57AC-91		8058929	EAMM-U-60-D32-57AC-91										
EAMM-U-60-D32-58AA-91		8058930	EAMM-U-60-D32-58AA-91										
EAMM-U-60-D32-60RB-91		8058932	EAMM-U-60-D32-60RB-91										
EAMM-U-60-D32-60AA-91		8123498	EAMM-U-60-D32-60AA-91										
EAMM-U-60-D32-60P-91		4	8125069	EAMM-U-60-D32-60P-91									
EAMM-U-60-D32-60RA-91		-	8123497	EAMM-U-60-D32-60RA-91									
EAMM-U-60-D40-40G-91	38	-	8	1577165	EAMM-U-60-D40-40G-91								
EAMM-U-60-D40-40G-91-S1			8.5	1435968	EAMM-U-60-D40-40G-91-S1								
EAMM-U-60-D40-40R-91			-	8058934	EAMM-U-60-D40-40R-91								
EAMM-U-60-D40-50GA-91				8058935	EAMM-U-60-D40-50GA-91								
EAMM-U-60-D40-55A-91				1210438	EAMM-U-60-D40-55A-91								
EAMM-U-60-D40-55A-91-S1				1210458	EAMM-U-60-D40-55A-91-S1								
EAMM-U-60-D40-57A-91				1210442	EAMM-U-60-D40-57A-91								
EAMM-U-60-D40-57A-91-S1				1210462	EAMM-U-60-D40-57A-91-S1								
EAMM-U-60-D40-57AC-91				8058939	EAMM-U-60-D40-57AC-91								
EAMM-U-60-D40-58AA-91				8058940	EAMM-U-60-D40-58AA-91								
EAMM-U-60-D40-60P-61				8164735	EAMM-U-60-D40-60P-61								
EAMM-U-60-D40-60R-91				1210446	EAMM-U-60-D40-60R-91								

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Dimensions and ordering data

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ESBF-BS-...



Main illustration:

- [1] Parallel kit
- [2] Electric cylinder
- [3] Motor
- [4] Interface for mounting accessories
- [5] Only with EAMM-U-...-S1 (with degree of protection IP65)



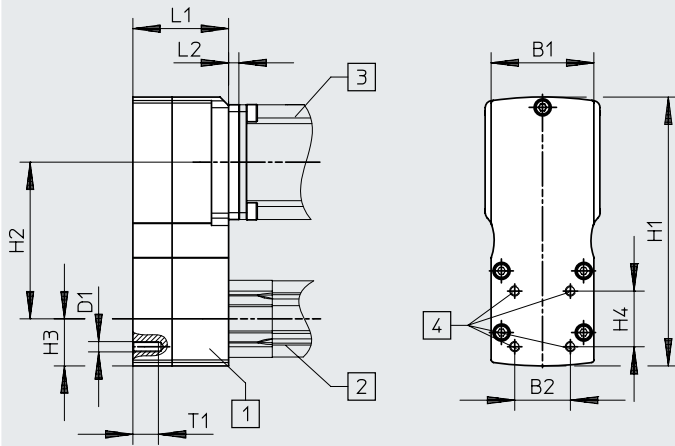
Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type
EAMM-U-70-D32-60G-96	70	32.5	M6	173.5	96	34.5	64.5	64.5	8	15	2748181	EAMM-U-70-D32-60G-96
EAMM-U-70-D32-60G-96-S1									8.5		2778302	EAMM-U-70-D32-60G-96-S1
EAMM-U-70-D32-60H-96									8		2778393	EAMM-U-70-D32-60H-96
EAMM-U-70-D32-60H-96-S1									8.5		2781450	EAMM-U-70-D32-60H-96-S1
EAMM-U-70-D32-60P-96									—		2619586	EAMM-U-70-D32-60P-96
EAMM-U-70-D32-60P-96-S1											2619688	EAMM-U-70-D32-60P-96-S1
EAMM-U-70-D32-68GA-96											8058951	EAMM-U-70-D32-68GA-96
EAMM-U-70-D32-70A-96											2755565	EAMM-U-70-D32-70A-96
EAMM-U-70-D32-70A-96-S1											2781711	EAMM-U-70-D32-70A-96-S1
EAMM-U-70-D32-70AA-96											8123499	EAMM-U-70-D32-70AA-96
EAMM-U-70-D40-60G-96		38					38		8		2785471	EAMM-U-70-D40-60G-96
EAMM-U-70-D40-60G-96-S1									8.5		2785542	EAMM-U-70-D40-60G-96-S1
EAMM-U-70-D40-60H-96									8		2786101	EAMM-U-70-D40-60H-96
EAMM-U-70-D40-60H-96-S1									8.5		2786137	EAMM-U-70-D40-60H-96-S1
EAMM-U-70-D40-60P-96									—		2617488	EAMM-U-70-D40-60P-96
EAMM-U-70-D40-60P-96-S1											2546123	EAMM-U-70-D40-60P-96-S1
EAMM-U-70-D40-60RA-96											8058952	EAMM-U-70-D40-60RA-96
EAMM-U-70-D40-68GA-96											8058954	EAMM-U-70-D40-68GA-96
EAMM-U-70-D40-70A-96									17		2786204	EAMM-U-70-D40-70A-96
EAMM-U-70-D40-70A-96-S1									—		2786316	EAMM-U-70-D40-70A-96-S1
EAMM-U-70-D50-60P-96	70	46.5	M8	173.5	96	34.5	46.5	66.5	—	15	8123171	EAMM-U-70-D50-60P-96
EAMM-U-70-D50-60RA-96									8058963		EAMM-U-70-D50-60RA-96	
EAMM-U-70-D50-68GA-96									17		8058965	EAMM-U-70-D50-68GA-96
EAMM-U-70-D50-70A-96									—		2786899	EAMM-U-70-D50-70A-96
EAMM-U-70-D50-70A-96-S1											2756078	EAMM-U-70-D50-70A-96-S1

Datasheet

Dimensions and ordering data

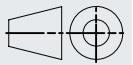
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ESBF-BS-...



Main illustration:

- [1] Parallel kit
- [2] Electric cylinder
- [3] Motor
- [4] Interface for mounting accessories
- [5] Only with EAMM-U-...-S1 (with degree of protection IP65)



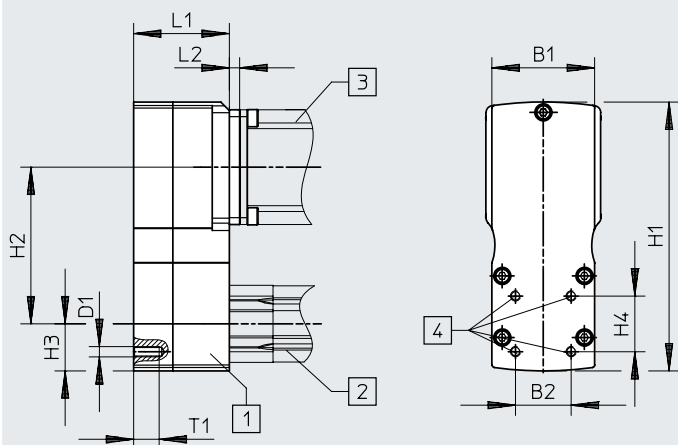
Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type
EAMM-U-86-D40-60G-102	86	38	M6	188.5	102.5	38	38	69	8	16	1586445	EAMM-U-86-D40-60G-102
EAMM-U-86-D40-60G-102-S1									8.5		1586429	EAMM-U-86-D40-60G-102-S1
EAMM-U-86-D40-60H-102									8		1586496	EAMM-U-86-D40-60H-102
EAMM-U-86-D40-60H-102-S1									8.5		1586372	EAMM-U-86-D40-60H-102-S1
EAMM-U-86-D40-60PA-102									—		8058972	EAMM-U-86-D40-60PA-102
EAMM-U-86-D40-70A-102											1212826	EAMM-U-86-D40-70A-102
EAMM-U-86-D40-70A-102-S1											1212854	EAMM-U-86-D40-70A-102-S1
EAMM-U-86-D40-70AA-102											8058973	EAMM-U-86-D40-70AA-102
EAMM-U-86-D40-80P-102									2		2802441	EAMM-U-86-D40-80P-102
EAMM-U-86-D40-80P-102-S1											2802656	EAMM-U-86-D40-80P-102-S1
EAMM-U-86-D40-80PB-102											8123501	EAMM-U-86-D40-80PB-102
EAMM-U-86-D40-82AA-102									—		8058975	EAMM-U-86-D40-82AA-102
EAMM-U-86-D40-84AA-102									10.5		8058976	EAMM-U-86-D40-84AA-102
EAMM-U-86-D40-87A-102									—		1215802	EAMM-U-86-D40-87A-102
EAMM-U-86-D40-87A-102-S1											1215814	EAMM-U-86-D40-87A-102-S1
EAMM-U-86-D50-60G-102	86	46.5	M8	188.5	102.5	38	46.5	71	8	16	2803125	EAMM-U-86-D50-60G-102
EAMM-U-86-D50-60G-102-S1									8.5		2803197	EAMM-U-86-D50-60G-102-S1
EAMM-U-86-D50-60H-102									8		2803326	EAMM-U-86-D50-60H-102
EAMM-U-86-D50-60H-102-S1									8.5		2803325	EAMM-U-86-D50-60H-102-S1
EAMM-U-86-D50-70GA-102									14		8107044	EAMM-U-86-D50-70GA-102
EAMM-U-86-D50-80P-102									—		2803053	EAMM-U-86-D50-80P-102
EAMM-U-86-D50-80P-102-S1											2803073	EAMM-U-86-D50-80P-102-S1
EAMM-U-86-D50-80PB-102											8107089	EAMM-U-86-D50-80PB-102
EAMM-U-86-D50-87A-102											2802708	EAMM-U-86-D50-87A-102
EAMM-U-86-D50-87A-102-S1											2802742	EAMM-U-86-D50-87A-102-S1

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Dimensions and ordering data

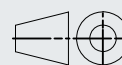
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ESBF-BS-...



Main illustration:

- [1] Parallel kit
- [2] Electric cylinder
- [3] Motor
- [4] Interface for mounting accessories
- [5] Only with EAMM-U-...-S1 (with degree of protection IP65)



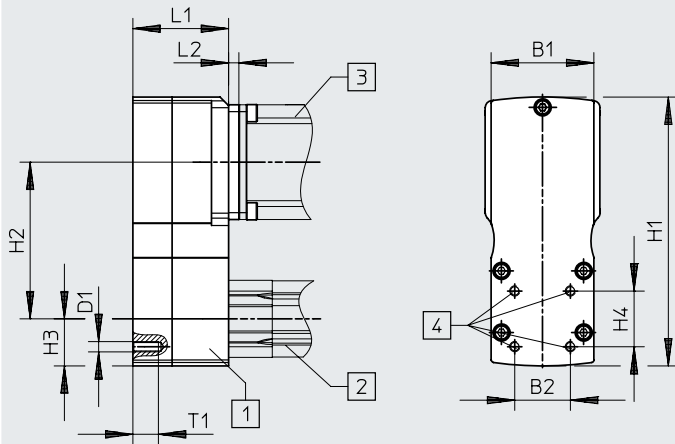
Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type			
EAMM-U-86-D60-55A-102	86	56.5	M8	188.5	102.5	38	56.5	67	-	16	8058979	EAMM-U-86-D60-55A-102			
EAMM-U-86-D60-57AA-102								8058980			EAMM-U-86-D60-57AA-102				
EAMM-U-86-D60-58AA-102								8058981			EAMM-U-86-D60-58AA-102				
EAMM-U-86-D60-60G-102								8			1586347	EAMM-U-86-D60-60G-102			
EAMM-U-86-D60-60G-102-S1								8.5			1437163	EAMM-U-86-D60-60G-102-S1			
EAMM-U-86-D60-60H-102								8			1586276	EAMM-U-86-D60-60H-102			
EAMM-U-86-D60-60H-102-S1								8.5			1530837	EAMM-U-86-D60-60H-102-S1			
EAMM-U-86-D60-60P-102								71			-	8058982	EAMM-U-86-D60-60P-102		
EAMM-U-86-D60-60PA-102												8058983	EAMM-U-86-D60-60PA-102		
EAMM-U-86-D60-60RB-102												8058986	EAMM-U-86-D60-60RB-102		
EAMM-U-86-D60-70A-102												1212477	EAMM-U-86-D60-70A-102		
EAMM-U-86-D60-70A-102-S1												1212835	EAMM-U-86-D60-70A-102-S1		
EAMM-U-86-D60-70AA-102												8058988	EAMM-U-86-D60-70AA-102		
EAMM-U-86-D60-70GA-102												8	8058990	EAMM-U-86-D60-70GA-102	
EAMM-U-86-D60-80P-102												-	2155875	EAMM-U-86-D60-80P-102	
EAMM-U-86-D60-80P-102-G2													8234872	EAMM-U-86-D60-80P-102-G2	
EAMM-U-86-D60-80P-102-S1													2156527	EAMM-U-86-D60-80P-102-S1	
EAMM-U-86-D60-80P-102-S1-G2													8234873	EAMM-U-86-D60-80P-102-S1-G2	
EAMM-U-86-D60-80PB-102													8107722	EAMM-U-86-D60-80PB-102	
EAMM-U-86-D60-82AA-102													8058992	EAMM-U-86-D60-82AA-102	
EAMM-U-86-D60-84AA-102													8058993	EAMM-U-86-D60-84AA-102	
EAMM-U-86-D60-87A-102													12	8058993	EAMM-U-86-D60-84AA-102
EAMM-U-86-D60-87A-102-S1													-	1215784	EAMM-U-86-D60-87A-102
	1215810	EAMM-U-86-D60-87A-102-S1													

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Dimensions and ordering data

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ESBF-BS-...



Main illustration:

- [1] Parallel kit
- [2] Electric cylinder
- [3] Motor
- [4] Interface for mounting accessories
- [5] Only with EAMM-U-...-S1 (with degree of protection IP65)



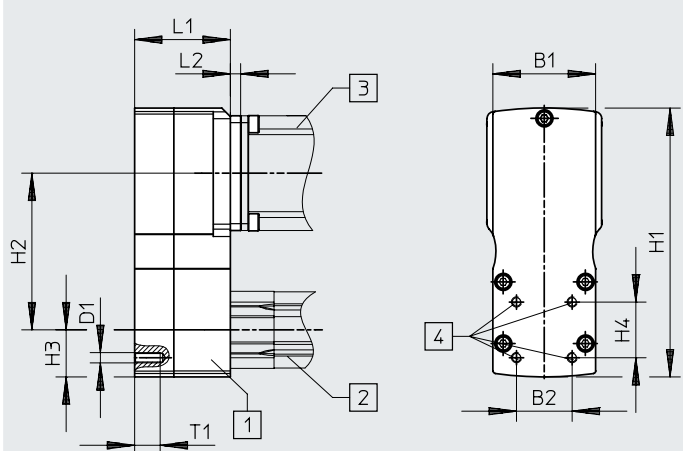
Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type
EAMM-U-110-D50-60G-120	110	46.5	M8	225	120	45	46.5	82	8	16	2797368	EAMM-U-110-D50-60G-120
EAMM-U-110-D50-60G-120-S1									8.5		2798665	EAMM-U-110-D50-60G-120-S1
EAMM-U-110-D50-60H-120									8		2798760	EAMM-U-110-D50-60H-120
EAMM-U-110-D50-60H-120-S1									8.5		2799150	EAMM-U-110-D50-60H-120-S1
EAMM-U-110-D50-80G-120									10		2799196	EAMM-U-110-D50-80G-120
EAMM-U-110-D50-80G-120-S1									10.5		2799281	EAMM-U-110-D50-80G-120-S1
EAMM-U-110-D50-84AA-120									-		8107241	EAMM-U-110-D50-84AA-120
EAMM-U-110-D50-100A-120											2799424	EAMM-U-110-D50-100A-120
EAMM-U-110-D50-100A-120-S1											2799488	EAMM-U-110-D50-100A-120-S1
EAMM-U-110-D50-120GA-120											8059040	EAMM-U-110-D50-120GA-120
EAMM-U-110-D60-60G-120	110	56.5	M8	225	120	45	56.5	82	8	16	1543240	EAMM-U-110-D60-60G-120
EAMM-U-110-D60-60G-120-S1									8.5		1436183	EAMM-U-110-D60-60G-120-S1
EAMM-U-110-D60-60H-120									8		1542264	EAMM-U-110-D60-60H-120
EAMM-U-110-D60-60H-120-S1									8.5		1530621	EAMM-U-110-D60-60H-120-S1
EAMM-U-110-D60-80G-120									10		1532949	EAMM-U-110-D60-80G-120
EAMM-U-110-D60-80G-120-S1									10.5		1530875	EAMM-U-110-D60-80G-120-S1
EAMM-U-110-D60-84AA-120									-		8059043	EAMM-U-110-D60-84AA-120
EAMM-U-110-D60-88A-120											8059044	EAMM-U-110-D60-88A-120
EAMM-U-110-D60-90GA-120									16.5		8107723	EAMM-U-110-D60-90GA-120
EAMM-U-110-D60-100A-120									-		1202436	EAMM-U-110-D60-100A-120
EAMM-U-110-D60-100A-120-S1											1203112	EAMM-U-110-D60-100A-120-S1
EAMM-U-110-D60-120GA-120											8059046	EAMM-U-110-D60-120GA-120

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ESBF-BS-...



Main illustration:

- [1] Parallel kit
- [2] Electric cylinder
- [3] Motor
- [4] Interface for mounting accessories
- [5] Only with EAMM-U-...-S1 (with degree of protection IP65)



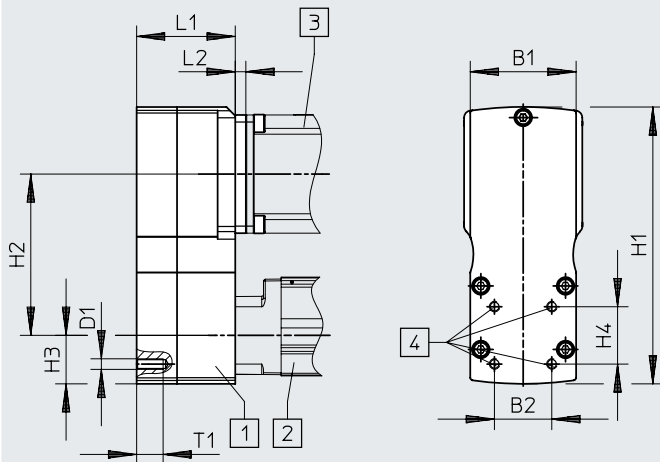
Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type
EAMM-U-110-D80-80G-120	110	72	M10	235	120	55	72	82	10	20.5	1589614	EAMM-U-110-D80-80G-120
EAMM-U-110-D80-80G-120-S1									10.5		1589706	EAMM-U-110-D80-80G-120-S1
EAMM-U-110-D80-84AA-120									—		8059048	EAMM-U-110-D80-84AA-120
EAMM-U-110-D80-100A-120											1465438	EAMM-U-110-D80-100A-120
EAMM-U-110-D80-100A-120-S1											1433650	EAMM-U-110-D80-100A-120-S1
EAMM-U-110-D80-120GA-120											8059050	EAMM-U-110-D80-120GA-120
EAMM-U-145-D80-90GA-188	145	72	M10	348	188	70	72	99.5	15	25	8105897	EAMM-U-145-D80-90GA-188
EAMM-U-145-D80-126AA-188									—		8059069	EAMM-U-145-D80-126AA-188
EAMM-U-145-D80-140A-188											1465530	EAMM-U-145-D80-140A-188
EAMM-U-145-D80-140A-188-S1											1433709	EAMM-U-145-D80-140A-188-S1
EAMM-U-145-D80-150A-188											8157285	EAMM-U-145-D80-150A-188
EAMM-U-145-D80-150A-188-S1											8157286	EAMM-U-145-D80-150A-188-S1
EAMM-U-145-D100-120G-188	145	89	M10	348	188	70	89	99.5	14	25	2803620	EAMM-U-145-D100-120G-188
EAMM-U-145-D100-120G-188-S1									14.5		2803622	EAMM-U-145-D100-120G-188-S1
EAMM-U-145-D100-140A-188									—		1465541	EAMM-U-145-D100-140A-188
EAMM-U-145-D100-140A-188-S1											1433852	EAMM-U-145-D100-140A-188-S1
EAMM-U-145-D100-150A-188											8157283	EAMM-U-145-D100-150A-188
EAMM-U-145-D100-150A-188-S1											8157284	EAMM-U-145-D100-150A-188-S1

Datasheet

Dimensions and ordering data

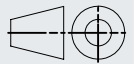
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EGSL-...



Main illustration:

- [1] Parallel kit
- [2] Mini slide
- [3] Motor
- [4] Interface for mounting accessories



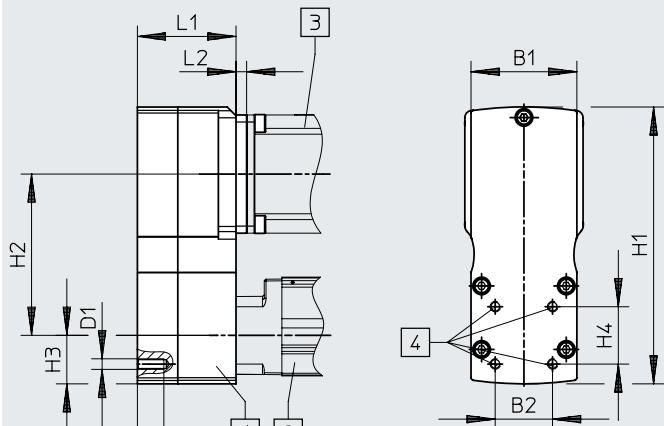
Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type
EAMM-U-50-D19-38AA-78	50	32.5	M6	128.8	78	22.8	32.5	45	—	15	8107032	EAMM-U-50-D19-38AA-78
EAMM-U-50-D19-40R-78											8107034	EAMM-U-50-D19-40R-78
EAMM-U-50-D32-32B-78											1570862	EAMM-U-50-D32-32B-78
EAMM-U-50-D32-38AA-78											8058924	EAMM-U-50-D32-38AA-78
EAMM-U-50-D32-40RA-78											8058925	EAMM-U-50-D32-40RA-78
EAMM-U-50-D32-40A-78											1201591	EAMM-U-50-D32-40A-78
EAMM-U-50-D32-40P-48											8164734	EAMM-U-50-D32-40P-48
EAMM-U-50-D32-40P-78											2153283	EAMM-U-50-D32-40P-78
EAMM-U-50-D32-42A-78											1201607	EAMM-U-50-D32-42A-78
EAMM-U-60-D32-40G-91											60	32.5
EAMM-U-60-D32-55A-91	—	1210126	EAMM-U-60-D32-55A-91									
EAMM-U-60-D32-57A-91		1210419	EAMM-U-60-D32-57A-91									
EAMM-U-60-D32-57AC-91		8058929	EAMM-U-60-D32-57AC-91									
EAMM-U-60-D32-58AA-91		8058930	EAMM-U-60-D32-58AA-91									
EAMM-U-60-D32-60RB-91		8058932	EAMM-U-60-D32-60RB-91									
EAMM-U-60-D32-60AA-91		8123498	EAMM-U-60-D32-60AA-91									
EAMM-U-60-D32-60P-91		4	8125069	EAMM-U-60-D32-60P-91								
EAMM-U-60-D32-60RA-91	—	8123497	EAMM-U-60-D32-60RA-91									
EAMM-U-60-D40-40G-91	38	8	1577165	EAMM-U-60-D40-40G-91								
EAMM-U-60-D40-40R-91		—	8058934	EAMM-U-60-D40-40R-91								
EAMM-U-60-D40-50GA-91			8058935	EAMM-U-60-D40-50GA-91								
EAMM-U-60-D40-55A-91			1210438	EAMM-U-60-D40-55A-91								

Datasheet

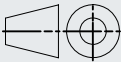
Dimensions and ordering data

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EGSL...



- Main illustration:
- [1] Parallel kit
 - [2] Mini slide
 - [3] Motor
 - [4] Interface for mounting accessories



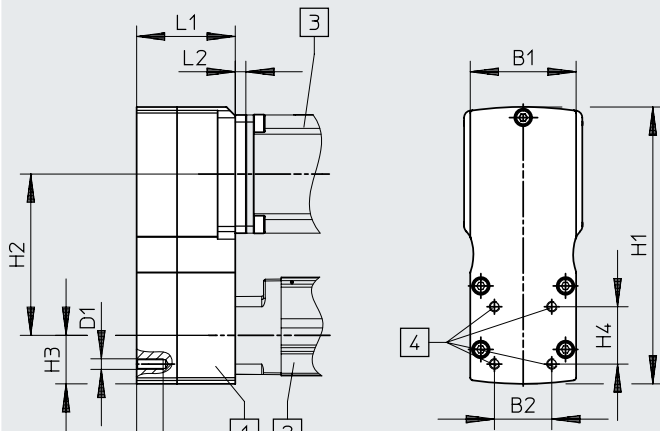
Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type
EAMM-U-60-D40-57A-91	60	38	M6	157	91.5	27.5	38	56	—	15	1210442	EAMM-U-60-D40-57A-91
EAMM-U-60-D40-57AC-91											8058939	EAMM-U-60-D40-57AC-91
EAMM-U-60-D40-58AA-91											8058940	EAMM-U-60-D40-58AA-91
EAMM-U-60-D40-60P-61											8164735	EAMM-U-60-D40-60P-61
EAMM-U-60-D40-60R-91											1210446	EAMM-U-60-D40-60R-91
EAMM-U-70-D32-60G-96	70	32.5	M6	173.5	96	34.5	32.5	64.5	8	15	2748181	EAMM-U-70-D32-60G-96
EAMM-U-70-D32-60H-96									8		2778393	EAMM-U-70-D32-60H-96
EAMM-U-70-D32-60P-96									—		2619586	EAMM-U-70-D32-60P-96
EAMM-U-70-D32-68GA-96											8058951	EAMM-U-70-D32-68GA-96
EAMM-U-70-D32-70A-96											2755565	EAMM-U-70-D32-70A-96
EAMM-U-70-D32-70AA-96		8123499				EAMM-U-70-D32-70AA-96						
EAMM-U-70-D40-60G-96		38				38	8	2785471	EAMM-U-70-D40-60G-96FDGF			
EAMM-U-70-D40-60H-96							8	2786101	EAMM-U-70-D40-60H-96			
EAMM-U-70-D40-60P-96							—	2617488	EAMM-U-70-D40-60P-96			
EAMM-U-70-D40-60RA-96								8058952	EAMM-U-70-D40-60RA-96			
EAMM-U-70-D40-68GA-96								8058954	EAMM-U-70-D40-68GA-96			
EAMM-U-70-D40-70A-96							—	2786204	EAMM-U-70-D40-70A-96			

Datasheet

Dimensions and ordering data

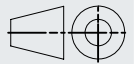
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EGSL...



Main illustration:

- [1] Parallel kit
- [2] Mini slide
- [3] Motor
- [4] Interface for mounting accessories

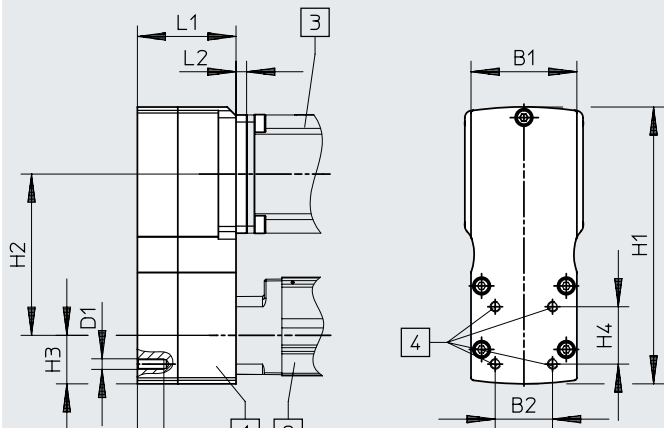


Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type
EAMM-U-86-D40-60G-102	86	38	M6	188.5	102.5	38	38	69	8	16	1586445	EAMM-U-86-D40-60G-102
EAMM-U-86-D40-60H-102									8		1586496	EAMM-U-86-D40-60H-102
EAMM-U-86-D40-60PA-102											8058972	EAMM-U-86-D40-60PA-102
EAMM-U-86-D40-70A-102									—		1212826	EAMM-U-86-D40-70A-102
EAMM-U-86-D40-70AA-102											8058973	EAMM-U-86-D40-70AA-102
EAMM-U-86-D40-80P-102											2802441	EAMM-U-86-D40-80P-102
EAMM-U-86-D40-80PB-102									2		8123501	EAMM-U-86-D40-80PB-102
EAMM-U-86-D40-82AA-102									—		8058975	EAMM-U-86-D40-82AA-102
EAMM-U-86-D40-84AA-102									12		8058976	EAMM-U-86-D40-84AA-102
EAMM-U-86-D40-87A-102									—		1215802	EAMM-U-86-D40-87A-102
EAMM-U-86-D60-55A-102	86	56.5	M8	188.5	102.5	38	56.5	67		16	8058979	EAMM-U-86-D60-55A-102
EAMM-U-86-D60-57AA-102									—		8058980	EAMM-U-86-D60-57AA-102
EAMM-U-86-D60-58AA-102											8058981	EAMM-U-86-D60-58AA-102
EAMM-U-86-D60-60G-102									8		1586347	EAMM-U-86-D60-60G-102
EAMM-U-86-D60-60H-102									8		1586276	EAMM-U-86-D60-60H-102
EAMM-U-86-D60-60P-102								71			8058982	EAMM-U-86-D60-60P-102
EAMM-U-86-D60-60PA-102											8058983	EAMM-U-86-D60-60PA-102
EAMM-U-86-D60-60RB-102									—		8058986	EAMM-U-86-D60-60RB-102
EAMM-U-86-D60-70A-102											1212477	EAMM-U-86-D60-70A-102
EAMM-U-86-D60-70AA-102											8058988	EAMM-U-86-D60-70AA-102
EAMM-U-86-D60-70GA-102									8		8058990	EAMM-U-86-D60-70GA-102

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Dimensions and ordering data Download CAD data → www.festo.com

EGSL...



- Main illustration:
- [1] Parallel kit
 - [2] Mini slide
 - [3] Motor
 - [4] Interface for mounting accessories



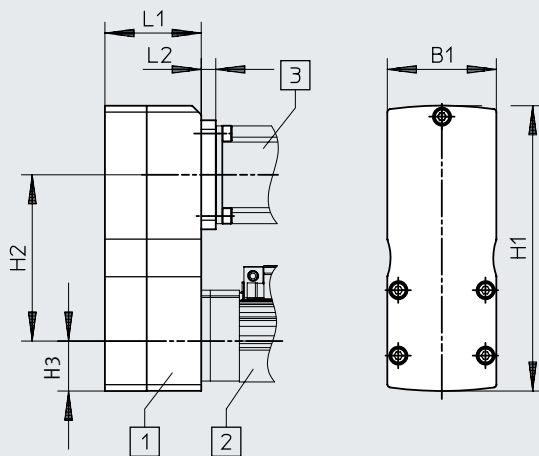
Type	B1	B2	D1	H1	H2 ±1	H3	H4	L1	L2	T1	Part no.	Type	
EAMM-U-86-D60-80P-102	86	56.5	M8	188.5	102.5	38	56.5	71	—	16	2155875	EAMM-U-86-D60-80P-102	
EAMM-U-86-D60-80P-102-G2											8234872	EAMM-U-86-D60-80P-102-G2	
EAMM-U-86-D60-80PB-102											8107722	EAMM-U-86-D60-80PB-102	
EAMM-U-86-D60-82AA-102									12		8058992	EAMM-U-86-D60-82AA-102	
EAMM-U-86-D60-84AA-102											8058993	EAMM-U-86-D60-84AA-102	
EAMM-U-86-D60-87A-102											—	1215784	EAMM-U-86-D60-87A-102
EAMM-U-110-D60-60G-120	110	56.5	M8	225	120	45	56.5	82	16	8	1543240	EAMM-U-110-D60-60G-120	
EAMM-U-110-D60-60H-120										8	1542264	EAMM-U-110-D60-60H-120	
EAMM-U-110-D60-62B-120										—	1536988	EAMM-U-110-D60-62B-120	
EAMM-U-110-D60-80G-120										10	1532949	EAMM-U-110-D60-80G-120	
EAMM-U-110-D60-84AA-120										—	8059043	EAMM-U-110-D60-84AA-120	
EAMM-U-110-D60-88A-120											8059044	EAMM-U-110-D60-88A-120	
EAMM-U-110-D60-90GA-120											16.5	8107723	EAMM-U-110-D60-90GA-120
EAMM-U-110-D60-100A-120										—		1202436	EAMM-U-110-D60-100A-120
EAMM-U-110-D60-120GA-120												8059046	EAMM-U-110-D60-120GA-120

Datasheet

Dimensions and ordering data

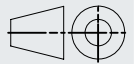
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ELGA-BS/EGC-BS/EGC-HD-BS



Main illustration:

- [1] Parallel kit
 [2] Ball screw axis
 [3] Motor



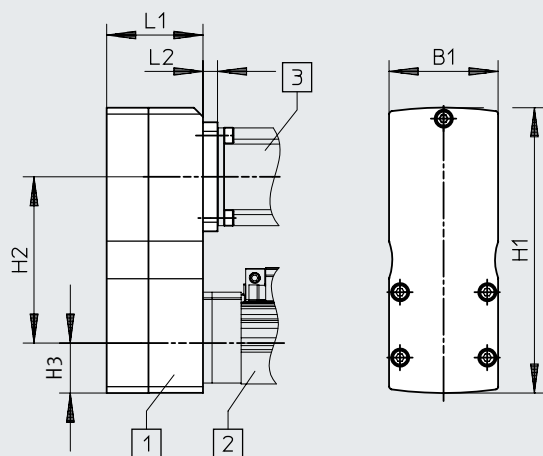
Type	B1	H1	H2 ±1	H3	L1	L2	Part no.	Type
EAMM-U-50-S38-38AA-78	50	131	78	25	45	–	8058926	EAMM-U-50-S38-38AA-78
EAMM-U-50-S38-40A-78	50	131	78	25	43	–	1217708	EAMM-U-50-S38-40A-78
EAMM-U-50-S38-40P-78							2155239	EAMM-U-50-S38-40P-78
EAMM-U-50-S38-42A-78							1217945	EAMM-U-50-S38-42A-78
EAMM-U-50-S38-42A-78							1217945	EAMM-U-50-S38-42A-78
EAMM-U-60-S38-40G-91	60	157	91.5	27.5	53	8	2283732	EAMM-U-60-S38-40G-91
EAMM-U-60-S38-40R-91						–	8058943	EAMM-U-60-S38-40R-91
EAMM-U-60-S38-50GA-91						15.5	8107724	EAMM-U-60-S38-50GA-91
EAMM-U-60-S38-55A-91						–	1218538	EAMM-U-60-S38-55A-91
EAMM-U-60-S38-57A-91							1218568	EAMM-U-60-S38-57A-91
EAMM-U-60-S38-57AC-91							8058946	EAMM-U-60-S38-57AC-91
EAMM-U-60-S38-58AA-91							8058947	EAMM-U-60-S38-58AA-91
EAMM-U-60-S38-60P-91						7	8125092	EAMM-U-60-S38-60P-91
EAMM-U-60-S38-60RA-91						–	8058948	EAMM-U-60-S38-60RA-91
EAMM-U-60-S48-40G-91						8	2283760	EAMM-U-60-S48-40G-91
EAMM-U-60-S48-40R-91						–	8058949	EAMM-U-60-S48-40R-91
EAMM-U-60-S48-50GA-91						14.5	8105900	EAMM-U-60-S48-50GA-91
EAMM-U-60-S48-55A-91	60	161.5	91.5	32	54	–	1219370	EAMM-U-60-S48-55A-91
EAMM-U-60-S48-57A-91							1219379	EAMM-U-60-S48-57A-91
EAMM-U-60-S48-58AA-91							8058950	EAMM-U-60-S48-58AA-91
EAMM-U-60-S48-60AA-91						8	8105898	EAMM-U-60-S48-60AA-91
EAMM-U-70-S48-60G-96	70	173.5	96	34.5	64.5	8	2801627	EAMM-U-70-S48-60G-96
EAMM-U-70-S48-60H-96						8	2801715	EAMM-U-70-S48-60H-96
EAMM-U-70-S48-60P-96						–	2629253	EAMM-U-70-S48-60P-96
EAMM-U-70-S48-60R-96						8	8105843	EAMM-U-70-S48-60R-96
EAMM-U-70-S48-60RA-96						–	8058969	EAMM-U-70-S48-60RA-96
EAMM-U-70-S48-70A-96							2787320	EAMM-U-70-S48-70A-96
EAMM-U-70-S48-70AA-96							8058970	EAMM-U-70-S48-70AA-96

Datasheet

Dimensions and ordering data

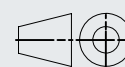
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ELGA-BS/EGC-BS/EGC-HD-BS/ELGD-BS



Main illustration:

- [1] Parallel kit
- [2] Ball screw axis
- [3] Motor



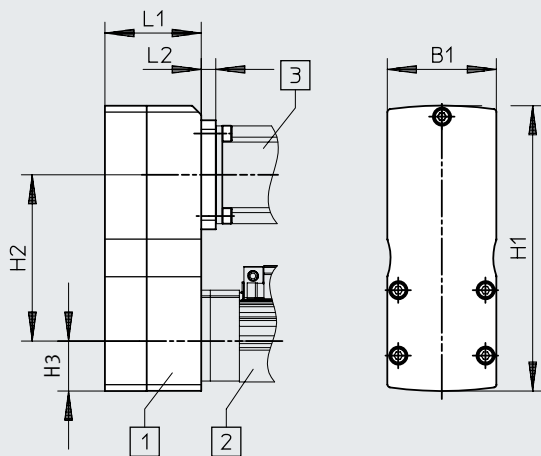
Type	B1	H1	H2 ±1	H3	L1	L2	Part no.	Type
EAMM-U-86-S48-58AA-102	86	188.5	102.5	38	67	–	8058995	EAMM-U-86-S48-58AA-102
EAMM-U-86-S48-60G-102						8	1587251	EAMM-U-86-S48-60G-102
EAMM-U-86-S48-60H-102						8	1587338	EAMM-U-86-S48-60H-102
EAMM-U-86-S48-60P-102						–	8058996	EAMM-U-86-S48-60P-102
EAMM-U-86-S48-60RB-102							8058997	EAMM-U-86-S48-60RB-102
EAMM-U-86-S48-70A-102							1217689	EAMM-U-86-S48-70A-102
EAMM-U-86-S48-70AA-102							8058999	EAMM-U-86-S48-70AA-102
EAMM-U-86-S48-70GA-102						8	8059000	EAMM-U-86-S48-70GA-102
EAMM-U-86-S48-82AA-102						–	8059002	EAMM-U-86-S48-82AA-102
EAMM-U-86-S48-84AA-102	87					12	8059003	EAMM-U-86-S48-84AA-102
EAMM-U-86-S48-87A-102	86					–	8059004	EAMM-U-86-S48-87A-102
EAMM-U-86-S48-58AA-177	86	268.5	177.5	43	67	–	8059008	EAMM-U-86-S48-58AA-177
EAMM-U-86-S48-60G-177						8	8059009	EAMM-U-86-S48-60G-177
EAMM-U-86-S48-60P-177						–	8059011	EAMM-U-86-S48-60P-177
EAMM-U-86-S48-60PA-177							8059012	EAMM-U-86-S48-60PA-177
EAMM-U-86-S48-60RB-177							8059014	EAMM-U-86-S48-60RB-177
EAMM-U-86-S48-70A-177							8059016	EAMM-U-86-S48-70A-177
EAMM-U-86-S48-70AA-177							8059017	EAMM-U-86-S48-70AA-177
EAMM-U-86-S48-70GA-177						8	8059019	EAMM-U-86-S48-70GA-177
EAMM-U-86-S48-82AA-177						–	8059021	EAMM-U-86-S48-82AA-177
EAMM-U-86-S48-84AA-177	96					12	8059022	EAMM-U-86-S48-84AA-177
EAMM-U-86-S48-87A-177	86					–	★ 1217604	EAMM-U-86-S48-87A-177
EAMM-U-86-S60-60G-177	86	263.6	177.5	38.1	71	10	8234874	EAMM-U-86-S60-60G-177
EAMM-U-86-S60-60H-177							8234875	EAMM-U-86-S60-60H-177
EAMM-U-86-S60-70A-177						–	8234876	EAMM-U-86-S60-70A-177
EAMM-U-86-S60-80P-177							8234877	EAMM-U-86-S60-80P-177
EAMM-U-86-S60-82AA-177							8234878	EAMM-U-86-S60-82AA-177
EAMM-U-86-S60-84AA-177						12	8234879	EAMM-U-86-S60-84AA-177
EAMM-U-86-S60-87A-177						–	8234880	EAMM-U-86-S60-87A-177

Datasheet

Dimensions and ordering data

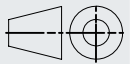
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ELGA-BS/EGC-BS/EGC-HD-BS



Main illustration:

- [1] Parallel kit
- [2] Ball screw axis
- [3] Motor



Type	B1	H1	H2 ±1	H3	L1	L2	Part no.	Type
EAMM-U-86-S62-60PA-102	86	193.5	102.5	43	69	–	8059026	EAMM-U-86-S62-60PA-102
EAMM-U-86-S62-70A-102							8059027	EAMM-U-86-S62-70A-102
EAMM-U-86-S62-70AA-102							8059028	EAMM-U-86-S62-70AA-102
EAMM-U-86-S62-82AA-102							8059031	EAMM-U-86-S62-82AA-102
EAMM-U-86-S62-87A-102							8059032	EAMM-U-86-S62-87A-102
EAMM-U-86-S62-55A-177	86	268.5	177.5	43	69	–	8059033	EAMM-U-86-S62-55A-177
EAMM-U-86-S62-60G-177						8	1587411	EAMM-U-86-S62-60G-177
EAMM-U-86-S62-60H-177						8	1587453	EAMM-U-86-S62-60H-177
EAMM-U-86-S62-60PA-177						–	8059034	EAMM-U-86-S62-60PA-177
EAMM-U-86-S62-70A-177							1217543	EAMM-U-86-S62-70A-177
EAMM-U-86-S62-70AA-177							8059036	EAMM-U-86-S62-70AA-177
EAMM-U-86-S62-70GA-177						14.5	8105902	EAMM-U-86-S62-70GA-177
EAMM-U-86-S62-80P-177						–	2157004	EAMM-U-86-S62-80P-177
EAMM-U-86-S62-80PB-177						2	8105905	EAMM-U-86-S62-80PB-177
EAMM-U-86-S62-82AA-177						–	8059038	EAMM-U-86-S62-82AA-177
EAMM-U-86-S62-87A-177							1217373	EAMM-U-86-S62-87A-177
EAMM-U-110-S60-90R-207	110	312.5	207.5	45	82	–	8234881	EAMM-U-110-S60-90R-207
EAMM-U-110-S60-100A-207							8234882	EAMM-U-110-S60-100A-207
EAMM-U-110-S62-84AA-120	110	235	120	55	82	–	8059051	EAMM-U-110-S62-84AA-120
EAMM-U-110-S62-88A-120							8059052	EAMM-U-110-S62-88A-120
EAMM-U-110-S62-84AA-207	110	322.5	207.5	55	82	–	8059057	EAMM-U-110-S62-84AA-207
EAMM-U-110-S62-88A-207							8059058	EAMM-U-110-S62-88A-207
EAMM-U-110-S62-100A-207							1217381	EAMM-U-110-S62-100A-207
EAMM-U-110-S95-80G-207						10	1589544	EAMM-U-110-S95-80G-207
EAMM-U-110-S95-84AA-207						–	8059063	EAMM-U-110-S95-84AA-207
EAMM-U-110-S95-90GA-207						16.5	8105907	EAMM-U-110-S95-90GA-207
EAMM-U-110-S95-100A-207						–	1220656	EAMM-U-110-S95-100A-207
EAMM-U-145-S62-126AA-288	145	448	288	70	99.5	–	8059073	EAMM-U-145-S62-126AA-288
EAMM-U-145-S62-140A-288							1219440	EAMM-U-145-S62-140A-288
EAMM-U-145-S62-150A-288							8157287	EAMM-U-145-S62-150A-288
EAMM-U-145-S95-140A-288							1220582	EAMM-U-145-S95-140A-288
EAMM-U-145-S95-150A-288							8157288	EAMM-U-145-S95-150A-288

Accessories

Clamping component EADT

Material:
Polymer
RoHS-compliant

This enables high toothed belt preten-
sion forces to be generated with low
torques at the clamping component.
Can only be used in combination with
parallel kit EAMM-U-...-D/S.



For adjusting the toothed belt preten-
sion with EAMM-U-110 and
EAMM-U-145.
The motor is pushed away from the
axis mechanism by turning the clamp-
ing component secured in a hole in the
housing (the motor can be moved in a
slot for this purpose).

Ordering data				
Type	Ambient temperature [°C]	Weight [g]	Part no.	Type
EADT-E-U1-110	-10 ... +60	9	1461069	EADT-E-U1-110

Accessories

Counter bearing EAMG

Material:

Wrought aluminium alloy

RoHS-compliant

Can only be used in combination with parallel kit EAMM-U-...-D/S.

A counter bearing EAMG reduces the load on the axis or motor bearings to improve the service life under high loads. For every counter bearing, an additional clamping sleeve EAMH-...-P is required.



Ordering data						
Type	For size	Max. speed [rpm]	Ambient temperature [°C]	Weight [g]	Part no.	Type
EAMG-U1-50	50	6000	-10 ... +60	20	1354281	EAMG-U1-50
EAMG-U1-60-G2	60	6000		35	4164963	EAMG-U1-60-G2
EAMG-U1-70	70	5000		74	2598638	EAMG-U1-70
EAMG-U1-86	86	5000		83	1354283	EAMG-U1-86
EAMG-U1-110	110	5000		169	1354284	EAMG-U1-110
EAMG-U1-145	145	4000		186	1354285	EAMG-U1-145

Accessories

Clamping sleeve EAMH-...-P, with trunnion

Material:

Corrosion-resistant steel

RoHS-compliant

Can only be used in combination with
parallel kit EAMM-U-...-D/S.



To retrofit the counter bearing, the clamping sleeve without trunnion included in the parallel kit as standard must be replaced by the clamping sleeve EAMH-...-P with integrated trunnion. The appropriate clamping sleeve size for the counter bearing is determined by the size of the parallel kit.

Ordering data								
Type	For size	For shaft diameter, motor/ axis ø h7 ... k7	Max. speed [rpm]	Mass moment of inertia [kg mm ²]	Ambient temperature [°C]	Weight [g]	Part no.	Type
EAMH-50-5-C13.6-P	50	5	6000	0.39	-10 ... +60	20	1354092	EAMH-50-5-C13.6-P
EAMH-50-6-C13.6-P	50	6	6000	0.38		19	1354093	EAMH-50-6-C13.6-P
EAMH-50-8-C13.6-P	50	8	6000	0.35		16	1354094	EAMH-50-8-C13.6-P
EAMH-60-6-C18.1-P	60	6	6000	1.57		44	1354095	EAMH-60-6-C18.1-P
EAMH-60-6.35-C18.1-P	60	6.35	6000	1.56		43	1354096	EAMH-60-6.35-C18.1-P
EAMH-60-8-C18.1-P	60	8	6000	1.53		41	1354097	EAMH-60-8-C18.1-P
EAMH-60-9-C18.1-P	60	9	6000	1.5		39	1354098	EAMH-60-9-C18.1-P
EAMH-60-10-C18.1-P	60	10	6000	1.4		38	1545242	EAMH-60-10-C18.1-P
EAMH-60-11-C18.1-P	60	11	6000	1.31		35	2789343	EAMH-60-11-C18.1-P
EAMH-60-12-C18.1-P	60	12	6000	1.3		32	1354099	EAMH-60-12-C18.1-P
EAMH-86-6-C27.3-P	70, 86	6	5000	12.3		123	2789351	EAMH-86-6-C27.3-P
EAMH-86-8-C27.3-P	70, 86	8	5000	10.3		128	1354100	EAMH-86-8-C27.3-P
EAMH-86-9-C27.3-P	70, 86	9	5000	9		117	2789359	EAMH-86-9-C27.3-P
EAMH-86-10-C27.3-P	70, 86	10	5000	9		115	2789365	EAMH-86-10-C27.3-P
EAMH-86-11-C27.3-P	70, 86	11	5000	10.1		119	1354101	EAMH-86-11-C27.3-P
EAMH-86-12-C27.3-P	70, 86	12	5000	10		115	1354102	EAMH-86-12-C27.3-P
EAMH-86-14-C27.3-P	70, 86	14	5000	8.74		103	1459337	EAMH-86-14-C27.3-P
EAMH-86-16-C27.3-P	70, 86	16	5000	8.3		95	2430402	EAMH-86-16-C27.3-P
EAMH-86-19-C27.3-P	70, 86	19	5000	7.1		78	2406019	EAMH-86-19-C27.3-P
EAMH-110-11-C34-P	110	11	5000	33.2		270	1545245	EAMH-110-11-C34-P
EAMH-110-12-C34-P	110	12	5000	36.3		278	1354103	EAMH-110-12-C34-P
EAMH-110-14-C34-P	110	14	5000	35.8		267	1354104	EAMH-110-14-C34-P
EAMH-110-16-C34-P	110	16	5000	35.1		254	1354105	EAMH-110-16-C34-P
EAMH-110-19-C34-P	110	19	5000	33.3		230	1354106	EAMH-110-19-C34-P
EAMH-110-20-C34-P	110	20	5000	30.2		217	1545246	EAMH-110-20-C34-P
EAMH-110-22-C34-P	110	22	5000	28.3		200	2430414	EAMH-110-22-C34-P
EAMH-110-25-C34-P	110	25	5000	25.8		170	1354107	EAMH-110-25-C34-P
EAMH-145-12-C34-P	145	12	4000	43.9		338	1354108	EAMH-145-12-C34-P
EAMH-145-19-C34-P	145	19	4000	38		281	1459342	EAMH-145-19-C34-P
EAMH-145-22-C34-P	145	22	4000	35.1		252	8098589	EAMH-145-22-C34-P
EAMH-145-24-C34-P	145	24	4000	34		229	1354109	EAMH-145-24-C34-P
EAMH-145-25-C34-P	145	25	4000	32.1		217	1354110	EAMH-145-25-C34-P

Accessories

Clamping sleeve EAMH, without trunnion

Material:

Corrosion-resistant steel

RoHS-compliant

Can only be used in combination with parallel kit EAMM-U-...-D/S.

Clamping sleeves for adapting third-party motors with deviating shaft diameters to the parallel kits.



Ordering data								
Type	For size	For shaft diameter, motor/axis ø h7 ... k7	Max. speed [rpm]	Mass moment of inertia [kg mm ²]	Ambient temperature [°C]	Weight [g]	Part no.	Type
EAMH-50-5-C13.6	50	5	6000	0.44	-10 ... +60	19	2428478	EAMH-50-5-C13.6
EAMH-50-6-C13.6	50	6	6000	0.43		19	2428479	EAMH-50-6-C13.6
EAMH-50-8-C13.6	50	8	6000	0.40		16	2428480	EAMH-50-8-C13.6
EAMH-60-6-C18.1	60	6	6000	1.46		36	2428515	EAMH-60-6-C18.1
EAMH-60-6.35-C18.1	60	6.35	6000	1.46		36	2428516	EAMH-60-6.35-C18.1
EAMH-60-8-C18.1	60	8	6000	1.44		34	2428517	EAMH-60-8-C18.1
EAMH-60-9-C18.1	60	9	6000	1.42		32	2428518	EAMH-60-9-C18.1
EAMH-60-10-C18.1	60	10	6000	1.38		30	2428519	EAMH-60-10-C18.1
EAMH-60-11-C18.1	60	11	6000	1.31		28	2789160	EAMH-60-11-C18.1
EAMH-60-12-C18.1	60	12	6000	1.22		26	2428520	EAMH-60-12-C18.1
EAMH-60-14-C18.1	60	14	6000	1.03		21	8125353	EAMH-60-14-C18.1
EAMH-86-6-C27.3	70, 86	6	5000	10.2		122	2789214	EAMH-86-6-C27.3
EAMH-86-8-C27.3	70, 86	8	5000	10.3		119	2429531	EAMH-86-8-C27.3
EAMH-86-9-C27.3	70, 86	9	5000	11.6		116	2789221	EAMH-86-9-C27.3
EAMH-86-10-C27.3	70, 86	10	5000	10.1		114	2789230	EAMH-86-10-C27.3
EAMH-86-11-C27.3	70, 86	11	5000	10.2		112	2429532	EAMH-86-11-C27.3
EAMH-86-12-C27.3	70, 86	12	5000	10.1		109	2429533	EAMH-86-12-C27.3
EAMH-86-14-C27.3	70, 86	14	5000	9.9		102	2429534	EAMH-86-14-C27.3
EAMH-86-16-C27.3	70, 86	16	5000	9.5		94	2430397	EAMH-86-16-C27.3
EAMH-86-19-C27.3	70, 86	19	5000	8.2		76	2429535	EAMH-86-19-C27.3
EAMH-110-11-C34	110	11	5000	32.2		233	2429555	EAMH-110-11-C34
EAMH-110-12-C34	110	12	5000	32.1		229	2429556	EAMH-110-12-C34
EAMH-110-14-C34	110	14	5000	31.8		219	2429557	EAMH-110-14-C34
EAMH-110-16-C34	110	16	5000	31.2		208	2429558	EAMH-110-16-C34
EAMH-110-19-C34	110	19	5000	29.9		188	2429559	EAMH-110-19-C34
EAMH-110-20-C34	110	20	5000	29.2		180	2429560	EAMH-110-20-C34
EAMH-110-22-C34	110	22	5000	27.3		162	2430411	EAMH-110-22-C34
EAMH-110-25-C34	110	25	5000	23.4		133	2429561	EAMH-110-25-C34
EAMH-145-12-C34	145	12	4000	38.1		274	2429590	EAMH-145-12-C34
EAMH-145-19-C34	145	19	4000	35.5		227	2429591	EAMH-145-19-C34
EAMH-145-22-C34	145	22	4000	32.5		198	8098588	EAMH-145-22-C34
EAMH-145-24-C34	145	24	4000	30.0		177	2429592	EAMH-145-24-C34
EAMH-145-25-C34	145	25	4000	28.1		165	2429593	EAMH-145-25-C34

Accessories

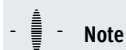
Seal set

RoHS-compliant

Spare part for degree of protection

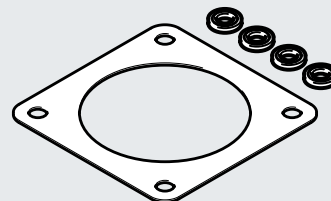
IP65. Seal between:

- Motor and parallel kit
- Motor and gear unit
- Motor and geometry of customer equipment



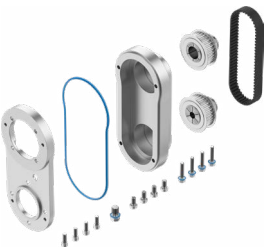
Note

The seal reduces the dissipation of heat between the motor and the flange. Note the derating of the motor.



Ordering data					
Type	For parallel kit	For motor/ integrated drive	Ambient temperature [°C]	Part no.	Type
EADS-F-40P	EAMM-U-50-D32-40P-78-S1	EMMT-AS-40	-25 ... +60	2481475	EADS-F-40P
EADS-F-60P	EAMM-U-70-D32-60P-96-S1 EAMM-U-70-D40-60P-96-S1	EMMT-AS-60	-25 ... +60	2481479	EADS-F-60P
EADS-F-80P	EAMM-U-86-D40-80P-102-S1 EAMM-U-86-D50-80P-102-S1 EAMM-U-86-D60-80P-102-S1	EMMT-AS-80	-25 ... +60	2481481	EADS-F-80P
EADS-F-100A	EAMM-U-110-D50-100A-120-S1 EAMM-U-110-D60-100A-120-S1 EAMM-U-110-D80-100A-120-S1	EMMT-AS-100	-25 ... +60	2481483	EADS-F-100A
EADS-F-150A	EAMM-U-145-D80-150A-188-S1 EAMM-U-145-D100-150A-188-S1	EMMT-AS-150	-25 ... +60	8142124	EADS-F-150A
EADS-F-190A		EMMT-AS-190		8149823	EADS-F-190A
EADS-F-42A	EAMM-U-50-D32-42A-78-S1	EMMT-ST-42, EMMB-ST-42	-25 ... +60	2481476	EADS-F-42A
EADS-F-57A	EAMM-U-60-D32-57A-91-S1 EAMM-U-60-D40-57A-91-S1	EMMT-ST-57, EMMB-ST-57	-25 ... +60	2481478	EADS-F-57A
EADS-F-87A	EAMM-U-86-D40-87A-102-S1 EAMM-U-86-D50-87A-102-S1 EAMM-U-86-D60-87A-102-S1	EMMT-ST-87, EMMB-ST-87	-25 ... +60	2481482	EADS-F-87A

Overview of interfaces

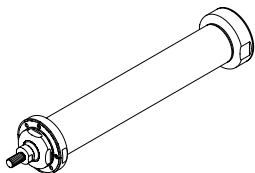


Axis mechanism interface	
C42-6	EPRF-36
C42-8	EPRF-45
C50-10	EPRF-55
C68-16	EPRF-75
C80-19	EPRF-86

Motor interface	
68C	EMMH-AS-68
88C	EMMH-AS-88
108C	EMMH-AS-108
138C	EMMH-AS-138

Product range overview

Permissible axis/motor combinations with electric cylinder EPRF



- The kit can be mounted in all directions

Motor ¹⁾	Motor interface		Parallel kit	
Type		Part no.	Type	
EPRF-36				
With servo motor				
EMMH-AS-68-...	68C	8216596	EAMM-U-60-C42-6-68C-91-S5	
		8242014	EAMM-U-60-C42-6-68C-91-S5-K	
EPRF-45				
With servo motor				
EMMH-AS-68-...	68C	8216597	EAMM-U-60-C42-8-68C-91-S5	
		8242015	EAMM-U-60-C42-8-68C-91-S5-K	
EPRF-55				
With servo motor				
EMMH-AS-68-...	68C	8216598	EAMM-U-60-C50-10-68C-91-S5	
		8242016	EAMM-U-60-C50-10-68C-91-S5-K	
EMMH-AS-88-...	88C	8216599	EAMM-U-86-C50-10-88C-102-S5	
		8242017	EAMM-U-86-C50-10-88C-102-S5-K	
EMMH-AS-108-...	108C	8216600	EAMM-U-86-C50-10-108C-102-S5	
		8242018	EAMM-U-86-C50-10-108C-102-S5-K	
EPRF-75				
With servo motor				
EMMH-AS-88-...	88C	8216601	EAMM-U-86-C68-16-88C-102-S5	
		8242019	EAMM-U-86-C68-16-88C-102-S5-K	
EMMH-AS-108-...	108C	8216602	EAMM-U-110-C68-16-108C-120-S5	
		8242020	EAMM-U-110-C68-16-108C-120-S5-K	
EMMH-AS-138-...	138C	8216603	EAMM-U-145-C68-16-138C-188-S5	
		8242022	EAMM-U-145-C68-16-138C-188-S5-K	
EPRF-86				
mit Servomotor				
EMMH-AS-108-...	108C	8216604	EAMM-U-110-C80-19-108C-120-S5	
		8242021	EAMM-U-110-C80-19-108C-120-S5-K	
EMMH-AS-138-...	138C	8216605	EAMM-U-145-C80-19-138C-188-S5	
		8242023	EAMM-U-145-C80-19-138C-188-S5-K	

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

Datasheet

Material:

Housing: High-alloy stainless steel

Housing cover:

EAMM-U-...: High-alloy stainless steel

EAMM-U-...-K: POM

Toothed belt: Polychloroprene with glass cord

Coupling hub: aluminium alloy

Screws: High-alloy stainless steel



General technical data							
Type	For axis	Transferable torque [Nm]	Mass moment of inertia [kgmm ²]	Max. speed [rpm]	No-load driving torque [Nm]	Weight [g]	→ Page
EAMM-U-60-C42-6-68C-91-S5	EPRF	3	27.6	6000	0.07	1.640	50
EAMM-U-60-C42-8-68C-91-S5		3	27.6	6000	0.07	1.640	
EAMM-U-60-C50-10-68C-91-S5		3	27.6	6000	0.07	1.890	
EAMM-U-86-C50-10-88C-102-S5		9.5	174.0	6000	0.25	2990	
EAMM-U-86-C50-10-108C-102-S5		9.5	174.0	6000	0.25	3390	
EAMM-U-86-C68-16-88C-102-S5		9.5	172.8	6000	0.25	4560	
EAMM-U-110-C68-16-108C-120-S5		25	794.1	5000	0.3	6180	
EAMM-U-110-C80-19-108C-120-S5		25	794.1	5000	0.3	7200	
EAMM-U-145-C68-16-138C-188-S5		50	2221	5000	2.0	10600	
EAMM-U-145-C80-19-138C-188-S5		50	2216	5000	2.0	11600	
EAMM-U-60-C42-6-68C-91-S5-K		3	27,6	6000	0,07	960	
EAMM-U-60-C42-8-68C-91-S5-K		3	27,6	6000	0,07	960	
EAMM-U-60-C50-10-68C-91-S5-K		3	27,6	6000	0,07	1110	
EAMM-U-86-C50-10-88C-102-S5-K		9,5	174,0	6000	0,25	1600	
EAMM-U-86-C50-10-108C-102-S5-K		9,5	174,0	6000	0,25	1900	
EAMM-U-86-C68-16-88C-102-S5-K		9,5	172,8	6000	0,25	2290	
EAMM-U-110-C68-16-108C-120-S5-K		25	794,1	5000	0,3	3600	
EAMM-U-110-C80-19-108C-120-S5-K		25	794,1	5000	0,3	3930	
EAMM-U-145-C68-16-138C-188-S5-K		50	2221	5000	2,0	6450	
EAMM-U-145-C80-19-138C-188-S5-K		50	2216	5000	2,0	6600	

Operating and environmental conditions

Gear ratio	1:1
Ambient temperature [°C]	-10 ... +60
Storage temperature [°C]	-25 ... +60
Degree of protection ¹⁾	IP69K
Relative humidity [%]	0 ... 100
Corrosion resistance class CRC ²⁾	4
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-Zone III

1) Only in combination with attached motor and axis.

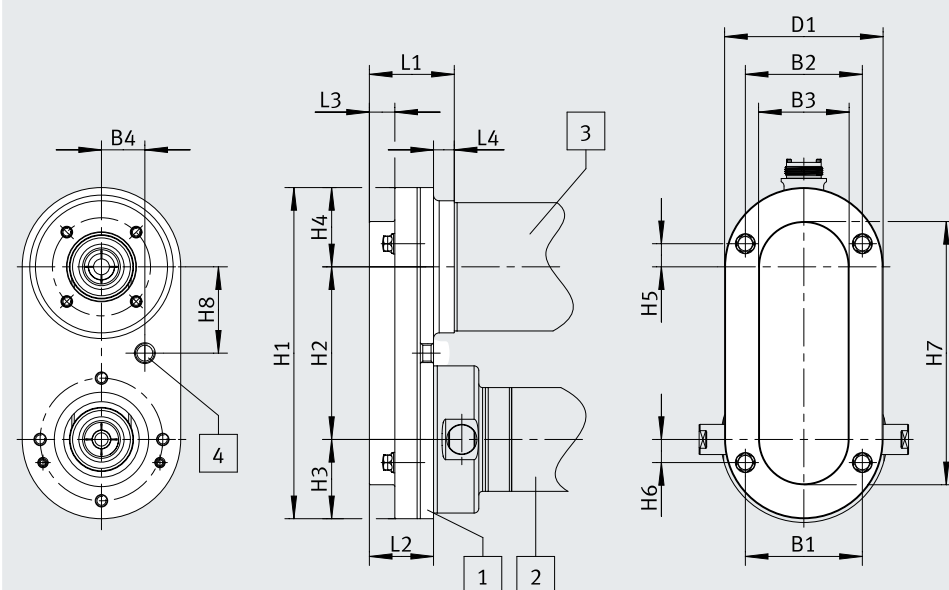
2) More information www.festo.com/x/topic/crc

Dimensions

Dimensions and ordering data

Download CAD data → www.festo.com

EPRF

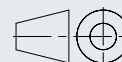


Main illustration:

- [1] Parallel kit
- [2] Electric cylinder
- [3] Motor
- [4] Pressure compensation hole:

Absolutely necessary measure for pressure equalization and avoidance of condensation. Remove the plug screw and replace with a suitable NPQR push-in fitting. Lay the plastic hose up to the control cabinet.

For more information, see www.festo.com/catalogue/eprf



Type	B1	B2	B3	B4	D1 Ø	H1	H2	H3	H4	H5	H6
EAMM-U-60-C42-6-68C-91-S5(-K)	52	52	42	19.5	70	161.5	91.5	35	35	11.3	11.3
EAMM-U-60-C42-8-68C-91-S5(-K)	52	52	42	19.5	70	161.5	91.5	35	35	11.3	11.3
EAMM-U-60-C50-10-68C-91-S5(-K)	62	62	48	23	84	175.5	91.5	42	42	12.3	12.3
EAMM-U-86-C50-10-88C-102-S5(-K)	64	72	54	15	84	189.5	102.5	42	45	11.8	7.8
EAMM-U-86-C50-10-108C-102-S5(-K)	64	92	55	33	84	199.5	102.5	42	55	11.8	7.8
EAMM-U-86-C68-16-88C-102-S5(-K)	80	80	62	40	110	212.5	102.5	55	55	11.8	11.8
EAMM-U-110-C68-16-108C-120-S5(-K)	90	90	74	25	110	230	120	55	55	12	12
EAMM-U-145-C68-16-138C-188-S5(-K)	104	104	90	42	122	242	120	61	61	12	12
EAMM-U-110-C80-19-108C-120-S5(-K)	97	124	79.5	28	112	315	188	71	71	20	8
EAMM-U-145-C80-19-138C-188-S5(-K)	106	125	90	35	122	320	188	71	71	20	8

Type	H7	H8	L1	L2	L3	L4	[4]	Part no.	Type
EAMM-U-60-C42-6-68C-91-S5(-K)	133.5	45.8	46	36	15	10	M5	8216596	EAMM-U-60-C42-6-68C-91-S5
								8242014	EAMM-U-60-C42-6-68C-91-S5-K
EAMM-U-60-C42-8-68C-91-S5(-K)	133.5	45.8	46	36	15	10	M5	8216597	EAMM-U-60-C42-8-68C-91-S5
								8242015	EAMM-U-60-C42-8-68C-91-S5-K
EAMM-U-60-C50-10-68C-91-S5(-K)	139.5	45.8	45	34.5	13.5	11	G1/8	8216598	EAMM-U-60-C50-10-68C-91-S5
								8242016	EAMM-U-60-C50-10-68C-91-S5-K
EAMM-U-86-C50-10-88C-102-S5(-K)	156.5	55.3	53	46.5	21	5	G1/8	8216599	EAMM-U-86-C50-10-88C-102-S5
								8242017	EAMM-U-86-C50-10-88C-102-S5-K
EAMM-U-86-C50-10-108C-102-S5(-K)	157.5	59.3	55	46.5	17.5	7	G1/8	8216600	EAMM-U-86-C50-10-108C-102-S5
								8242018	EAMM-U-86-C50-10-108C-102-S5-K
EAMM-U-86-C68-16-88C-102-S5(-K)	164.5	51.3	54.5	47	16	5	G1/8	8216601	EAMM-U-86-C68-16-88C-102-S5
								8242019	EAMM-U-86-C68-16-88C-102-S5-K
EAMM-U-110-C68-16-108C-120-S5(-K)	194	65	65.5	58	19	6	G1/8	8216602	EAMM-U-110-C68-16-108C-120-S5
								8242020	EAMM-U-110-C68-16-108C-120-S5-K
EAMM-U-145-C68-16-138C-188-S5(-K)	210	55	62.5	62.5	31	-	G1/8	8216603	EAMM-U-145-C68-16-138C-188-S5
								8242022	EAMM-U-145-C68-16-138C-188-S5-K
EAMM-U-110-C80-19-108C-120-S5(-K)	267.5	94	77	70.5	16	6	G1/8	8216604	EAMM-U-110-C80-19-108C-120-S5
								8242021	EAMM-U-110-C80-19-108C-120-S5-K
EAMM-U-145-C80-19-138C-188-S5(-K)	278	94	75	72.5	18	3	G1/8	8216605	EAMM-U-145-C80-19-138C-188-S5
								8242023	EAMM-U-145-C80-19-138C-188-S5-K

[4] Thread of the pressure compensation connection

Overview of interfaces

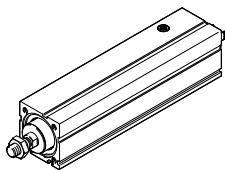


Axis mechanism interface	
V20	EPCC-25, EGSC-25
V25	EPCC-32, EGSC-32, ELGC-BS-32
V32	EPCC-45, EGSC-45, ELGC-BS-45
T42	EPCC-60, EGSC-60, ELGC-BS-60, ELGD-BS-60, ELGD-BS-WD-100, ELGD-BS-WD-120
T46	ELGC-BS-80, ELGT-BS-90/-120/-160, ELGD-BS-80

Motor interface	
28A	Stepper motor EMMS-ST-28
28AA	Third-party motor
35A	Third-party motor
35AB	Third-party motor
38AA	Third-party motor
40P	Servo motor EMMT-AS-40, EMMB-AS-40
40R	Third-party motor
40RA	Third-party motor
42A	Stepper motor EMMT-ST-42, EMMB-ST-42, third-party motor
42AA	Third-party motor
42AB	Third-party motor
55A	Third-party motor
57A	Stepper motor EMMT-ST-57, EMMB-ST-57, third-party motor
58AA	Third-party motor
60AA	Third-party motor
60AB	Third-party motor
60P	Servo motor EMMT-AS-60, EMMB-AS-60, third-party motor
60PA	Third-party motor
60R	Third-party motor
60RA	Third-party motor
70A	Third-party motor
70AA	Third-party motor
80P	Servo motor EMMT-AS-80, EMMB-AS-80, third-party motor
80PA	Third-party motor
80PB	Third-party motor
80RA	Third-party motor
85AA	Third-party motor
87A	Stepper motor EMMT-ST-87, EMMB-ST-87
100A	Servo motor EMMT-AS-100, third-party motor

Product range overview

Permissible axis/motor combinations with electric cylinder EPCC

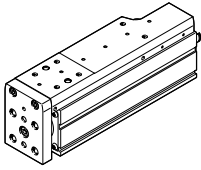


- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

Motor ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
EPCC-25			
With stepper motor			
EMMS-ST-28-...	28A	4767125	EAMM-U-30-V20-28A-44
Third-party motor	28AA	8093176	EAMM-U-30-V20-28AA-44
EPCC-32			
With servo motor			
Third-party motor	38AA	8093197	EAMM-U-45-V25-38AA-63
EMMT-AS-40-..., EMMB-AS-40-...	40P	4782056	EAMM-U-45-V25-40P-63
Third-party motor	40R	8091655	EAMM-U-45-V25-40R-63
Third-party motor	40RA	8095513	EAMM-U-45-V25-40RA-63
With stepper motor			
Third-party motor	35A, 35AB	8093286	EAMM-U-38-V25-35A-63
EMMT-ST-42-..., EMMB-ST-42-...	42A	4825645	EAMM-U-45-V25-42A-63
Third-party motor	42AB	8095562	EAMM-U-45-V25-42AB-63
EPCC-45			
With servo motor			
Third-party motor	38AA	8092623	EAMM-U-45-V32-38AA-63
EMMT-AS-40-..., EMMB-AS-40-...	40P	4718297	EAMM-U-45-V32-40P-63
Third-party motor	40R	8091631	EAMM-U-45-V32-40R-63
Third-party motor	40RA	8095650	EAMM-U-45-V32-40RA-63
With stepper motor			
EMMT-ST-42-..., EMMB-ST-42-...	42A	4280674	EAMM-U-45-V32-42A-63
Third-party motor	42AB	8095613	EAMM-U-45-V32-42AB-63
EPCC-60			
With servo motor			
EMMT-AS-40-..., EMMB-AS-40-...	40P	8223763	EAMM-U-65-T42-40P-87
Third-party motor	40R	8223764	EAMM-U-65-T42-40R-87
Third-party motor	55A, 58AA	8092868	EAMM-U-65-T42-55A-87
EMMT-AS-60-..., EMMB-AS-60, third-party motor	60P, 60PA	4784301	EAMM-U-65-T42-60P-87
Third-party motor	60R	8093364	EAMM-U-65-T42-60R-87
Third-party motor	60RA	8093199	EAMM-U-65-T42-60RA-87
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	4331535	EAMM-U-65-T42-57A-87
Third-party motor	60AA	8093189	EAMM-U-65-T42-60AA-87
Third-party motor	60AB	8096187	EAMM-U-65-T42-60AB-87

Product range overview

Permissible axis/motor combinations with mini slide EGSC-BS



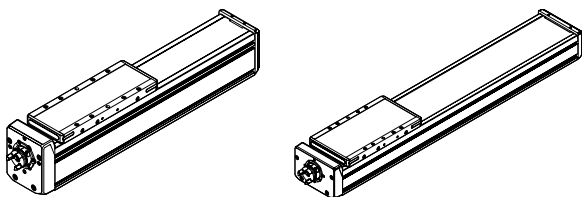
- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

Motor ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
EGSC-25			
With stepper motor			
EMMS-ST-28-...	28A	4767125	EAMM-U-30-V20-28A-44
Third-party motor	28AA	8093176	EAMM-U-30-V20-28AA-44
EGSC-32			
With servo motor			
Third-party motor	38AA	8093197	EAMM-U-45-V25-38AA-63
EMMT-AS-40-..., EMMB-AS-40-...	40P	4782056	EAMM-U-45-V25-40P-63
Third-party motor	40R	8091655	EAMM-U-45-V25-40R-63
Third-party motor	40RA	8095513	EAMM-U-45-V25-40RA-63
With stepper motor			
Third-party motor	35A, 35AB	8093286	EAMM-U-38-V25-35A-63
EMMT-ST-42-..., EMMB-ST-42-...	42A	4825645	EAMM-U-45-V25-42A-63
Third-party motor	42AB	8095562	EAMM-U-45-V25-42AB-63
EGSC-45			
With servo motor			
Third-party motor	38AA	8092623	EAMM-U-45-V32-38AA-63
EMMT-AS-40-..., EMMB-AS-40-...	40P	4718297	EAMM-U-45-V32-40P-63
Third-party motor	40R	8091631	EAMM-U-45-V32-40R-63
Third-party motor	40RA	8095650	EAMM-U-45-V32-40RA-63
With stepper motor			
EMMT-ST-42-..., EMMB-ST-42-...	42A	4280674	EAMM-U-45-V32-42A-63
Third-party motor	42AB	8095613	EAMM-U-45-V32-42AB-63
EGSC-60			
With servo motor			
EMMT-AS-40-..., EMMB-AS-40-...	40P	8223763	EAMM-U-65-T42-40P-87
Third-party motor	40R	8223764	EAMM-U-65-T42-40R-87
Third-party motor	55A, 58AA	8092868	EAMM-U-65-T42-55A-87
EMMT-AS-60-..., EMMB-AS-60, third-party motor	60P, 60PA	4784301	EAMM-U-65-T42-60P-87
Third-party motor	60R	8093364	EAMM-U-65-T42-60R-87
Third-party motor	60RA	8093199	EAMM-U-65-T42-60RA-87
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	4331535	EAMM-U-65-T42-57A-87
Third-party motor	60AA	8093189	EAMM-U-65-T42-60AA-87
Third-party motor	60AB	8096187	EAMM-U-65-T42-60AB-87

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

Product range overview

Permitted axis/motor combinations with ball screw axis ELGD-BS



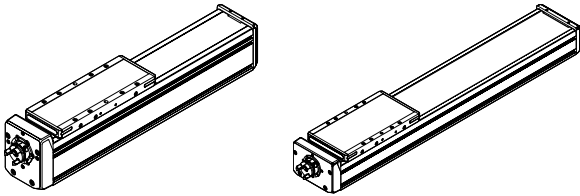
- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

Motor ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ELGD-BS-...-60			
With servo motor			
EMMT-AS-40-..., EMMB-AS-40-...	40P	8223763	EAMM-U-65-T42-40P-87
Third-party motor	40R	8223764	EAMM-U-65-T42-40R-87
Third-party motor	55A, 58AA	8092868	EAMM-U-65-T42-55A-87
EMMT-AS-60-..., EMMB-AS-60-..., third-party motor	60P, 60PA	4784301	EAMM-U-65-T42-60P-87
Third-party motor	60R	8093364	EAMM-U-65-T42-60R-87
Third-party motor	60RA	8093199	EAMM-U-65-T42-60RA-87
EMMT-AS-80-..., EMMB-AS-80-...	80P, 80PA, 80RA	8223765	EAMM-U-87-T42-80P-114
Third-party motor	82AA	8223777	EAMM-U-87-T42-82AA-147
Third-party motor	84AA	8223780	EAMM-U-87-T42-84AA-147
With servo motor and gear unit			
EMMT-AS-40-..., EMMB-AS-40-... EMGA-40-P-...-EAS-40	40G	8222171	EAMM-U-65-T42-40G-114
With servo motor and right-angle gear unit			
EMMT-AS-40-..., EMMB-AS-40-... EMGA-40-A-...-40P	40G	8222171	EAMM-U-65-T42-40G-114
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	4331535	EAMM-U-65-T42-57A-87
Third-party motor	60AA	8093189	EAMM-U-65-T42-60AA-87
Third-party motor	60AB	8096187	EAMM-U-65-T42-60AB-87
EMMT-ST-87-..., EMMB-ST-87-...	87A	8223768	EAMM-U-87-T42-87A-114
With stepper motor and gear unit			
EMMT-ST-42, EMMB-ST-42-... EMGA-40-P-...-SST-42	40G	8222171	EAMM-U-65-T42-40G-114
ELGD-BS-...-WD-100			
With servo motor			
EMMT-AS-40-..., EMMB-AS-40-...	40P	8222172	EAMM-U-65-T42-40P-114
Third-party motor	40R	8222173	EAMM-U-65-T42-40R-114
Third-party motor	55A, 58AA	8222165	EAMM-U-65-T42-55A-114
EMMT-AS-60-..., EMMB-AS-60-..., third-party motor	60P, 60PA	8222167	EAMM-U-65-T42-60P-114
Third-party motor	60R	8222168	EAMM-U-65-T42-60R-114
Third-party motor	60RA	8222170	EAMM-U-65-T42-60RA-114
EMMT-AS-80-..., EMMB-AS-80-...	80P, 80PA, 80RA	8223765	EAMM-U-87-T42-80P-114
Third-party motor	82AA	8223777	EAMM-U-87-T42-82AA-147
Third-party motor	84AA	8223780	EAMM-U-87-T42-84AA-147
With servo motor and gear unit			
EMMT-AS-40-..., EMMB-AS-40-... EMGA-40-P-...-EAS-40	40G	8222171	EAMM-U-65-T42-40G-114
With servo motor and right-angle gear unit			
EMMT-AS-40-..., EMMB-AS-40-... EMGA-40-A-...-40P	40G	8222171	EAMM-U-65-T42-40G-114

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

Product range overview

Permitted axis/motor combinations with ball screw axis ELGD-BS



- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

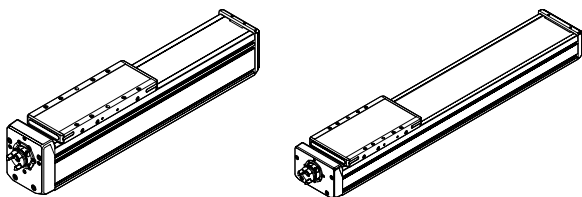
Motor ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ELGD-BS-...-WD-100			
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	8222166	EAMM-U-65-T42-57A-114
EMMT-ST-87-..., EMMB-ST-87-...	87A	8223768	EAMM-U-87-T42-87A-114
With stepper motor and gear unit			
EMMT-ST-42, EMMB-ST-42-... EMGA-40-P-...-SST-42	40G	8222171	EAMM-U-65-T42-40G-114
ELGD-BS-...-80			
With servo motor			
EMMT-AS-60-..., EMMB-AS-60	60P, 60PA	4824069	EAMM-U-87-T46-60P-114
Third-party motor	70A	8092891	EAMM-U-87-T46-70A-114
Third-party motor	70AA, 70AB	8096220	EAMM-U-87-T46-70AA-114
EMMT-AS-80-..., EMMB-AS-80	80P, 80PA, 80RA	4822696	EAMM-U-87-T46-80P-114
Third-party motor	80PB, 80R	8096289	EAMM-U-87-T46-80PB-114
Third-party motor	82AA	8223789	EAMM-U-87-T46-82AA-147
Third-party motor	84AA	8223786	EAMM-U-87-T46-84AA-147
With stepper motor			
Third-party motor	85AA	8097655	EAMM-U-87-T46-85AA-114
EMMT-ST-87-..., EMMB-ST-87-...	87A	4819278	EAMM-U-87-T46-87A-114
ELGD-BS-...-120			
With servo motor			
Third-party motor	70A	8234876	EAMM-U-86-S60-70A-177
EMMT-AS-80-..., EMMB-AS-80	80P, 80PA, 80RA	8234877	EAMM-U-86-S60-80P-177
Third-party motor	82AA	8234878	EAMM-U-86-S60-82AA-177
Third-party motor	84AA	8234879	EAMM-U-86-S60-84AA-177
Third-party motor	90R	8234881	EAMM-U-110-S60-90R-207
EMMT-AS-100-..., EMMB-AS-100	100A	8234882	EAMM-U-110-S60-100A-207
With stepper motor			
EMMT-ST-87-..., EMMB-ST-87-...	87A	8234880	EAMM-U-86-S60-87A-177
With servo motor and gear unit			
EMMT-AS-60-..., EMMB-AS-60 EMGA-60-P-...-EAS ²⁾ , EMGC-60-P-... ²⁾ , third-party gear unit ²⁾	60H	8234875	EAMM-U-86-S60-60H-177
With stepper motor and gear unit			
EMMT-ST-57-..., EMMB-ST-57-... EMGA-60-P-...-SST ²⁾	60G	8234874	EAMM-U-86-S60-60G-177

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

2) Gear unit output shaft diameter: EMGA-60-P-...SAS/SST: 11 mm; EMGA-60-P-...EAS, EMGC-60-P: 14 mm

Product range overview

Permitted axis/motor combinations with ball screw axis ELGD-BS



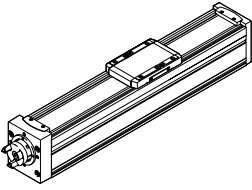
- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

Motor ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ELGD-BS-...-WD-120			
With servo motor			
EMMT-AS-40-..., EMMB-AS-40-...	40P	8222172	EAMM-U-65-T42-40P-114
Third-party motor	40R	8222173	EAMM-U-65-T42-40R-114
Third-party motor	55A, 58AA	8222165	EAMM-U-65-T42-55A-114
EMMT-AS-60-..., EMMB-AS-60-..., third-party motor	60P, 60PA	8222167	EAMM-U-65-T42-60P-114
Third-party motor	60R	8222168	EAMM-U-65-T42-60R-114
Third-party motor	60RA	8222170	EAMM-U-65-T42-60RA-114
EMMT-AS-80-..., EMMB-AS-80-...	80P, 80PA, 80RA	8223774	EAMM-U-87-T42-80P-147
Third-party motor	82AA	8223777	EAMM-U-87-T42-82AA-147
Third-party motor	84AA	8223780	EAMM-U-87-T42-84AA-147
With servo motor and gear unit			
EMMT-AS-40-..., EMMB-AS-40-... EMGA-40-P-...-EAS-40	40G	8222171	EAMM-U-65-T42-40G-114
With servo motor and right-angle gear unit			
EMMT-AS-40-..., EMMB-AS-40-... EMGA-40-A-...-40P	40G	8222171	EAMM-U-65-T42-40G-114
With stepper motor			
EMMT-ST-57-..., EMMB-ST-57-...	57A	8222166	EAMM-U-65-T42-57A-114
EMMT-ST-87-..., EMMB-ST-87-...	87A	8223783	EAMM-U-87-T42-87A-147
With stepper motor and gear unit			
EMMT-ST-42, EMMB-ST-42-... EMGA-40-P-...-SST-42	40G	8222171	EAMM-U-65-T42-40G-114

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

Product range overview

Permitted axis/motor combinations with ball screw axis ELGC-BS



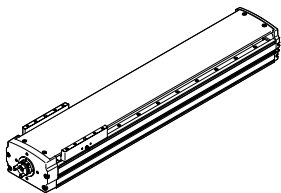
- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

Motor ¹⁾	Motor interface		Parallel kit	
Type		Part no.	Type	
ELGC-BS-32				
With servo motor				
Third-party motor	38AA	8093197	EAMM-U-45-V25-38AA-63	
EMMT-AS-40-..., EMMB-AS-40-...	40P	4782056	EAMM-U-45-V25-40P-63	
Third-party motor	40R	8091655	EAMM-U-45-V25-40R-63	
Third-party motor	40RA	8095513	EAMM-U-45-V25-40RA-63	
With stepper motor				
Third-party motor	35A, 35AB	8093286	EAMM-U-38-V25-35A-63	
EMMT-ST-42-..., EMMB-ST-42-...	42A	4825645	EAMM-U-45-V25-42A-63	
Third-party motor	42AB	8095562	EAMM-U-45-V25-42AB-63	
ELGC-BS-45				
With servo motor				
Third-party motor	38AA	8092623	EAMM-U-45-V32-38AA-63	
EMMT-AS-40-..., EMMB-AS-40-...	40P	4718297	EAMM-U-45-V32-40P-63	
Third-party motor	40R	8091631	EAMM-U-45-V32-40R-63	
Third-party motor	40RA	8095650	EAMM-U-45-V32-40RA-63	
With stepper motor				
EMMT-ST-42-..., EMMB-ST-42-...	42A	4280674	EAMM-U-45-V32-42A-63	
Third-party motor	42AB	8095613	EAMM-U-45-V32-42AB-63	
ELGC-BS-60				
With servo motor				
EMMT-AS-40-..., EMMB-AS-40-...	40P	8223763	EAMM-U-65-T42-40P-87	
Third-party motor	40R	8223764	EAMM-U-65-T42-40R-87	
Third-party motor	55A, 58AA	8092868	EAMM-U-65-T42-55A-87	
EMMT-AS-60-..., EMMB-AS-60, third-party motor	60P, 60PA	4784301	EAMM-U-65-T42-60P-87	
Third-party motor	60R	8093364	EAMM-U-65-T42-60R-87	
Third-party motor	60RA	8093199	EAMM-U-65-T42-60RA-87	
With stepper motor				
EMMT-ST-57-..., EMMB-ST-57-...	57A	4331535	EAMM-U-65-T42-57A-87	
Third-party motor	60AA	8093189	EAMM-U-65-T42-60AA-87	
Third-party motor	60AB	8096187	EAMM-U-65-T42-60AB-87	
ELGC-BS-80				
With servo motor				
EMMT-AS-60-..., EMMB-AS-60	60P, 60PA	4824069	EAMM-U-87-T46-60P-114	
Third-party motor	70A	8092891	EAMM-U-87-T46-70A-114	
Third-party motor	70AA, 70AB	8096220	EAMM-U-87-T46-70AA-114	
EMMT-AS-80-..., EMMB-AS-80	80P, 80PA, 80RA	4822696	EAMM-U-87-T46-80P-114	
Third-party motor	80PB, 80R	8096289	EAMM-U-87-T46-80PB-114	
Third-party motor	85AA	8097655	EAMM-U-87-T46-85AA-114	
Third-party motor	82AA	8223789	EAMM-U-87-T46-82AA-147	
Third-party motor	84AA	8223786	EAMM-U-87-T46-84AA-147	
With stepper motor				
EMMT-ST-87-..., EMMB-ST-87-...	87A	4819278	EAMM-U-87-T46-87A-114	

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

Product range overview

Permitted axis/motor combinations with ball screw axis ELGT-BS



- The kit can be mounted in all directions
- Table of interfaces for third-party motors → from page 64

Motor ¹⁾	Motor interface	Parallel kit	
Type		Part no.	Type
ELGT-BS-90			
With servo motor			
EMMT-AS-60-..., EMMB-AS-60	60P, 60PA	4824069	EAMM-U-87-T46-60P-114
Third-party motor	60R	8126171	EAMM-U-87-T46-60R-114
Third-party motor	60RA	8126172	EAMM-U-87-T46-60RA-114
Third-party motor	70A	8092891	EAMM-U-87-T46-70A-114
Third-party motor	70AA, 70AB	8096220	EAMM-U-87-T46-70AA-114
EMMT-AS-80-..., EMMB-AS-80	80P, 80PA, 80RA	4822696	EAMM-U-87-T46-80P-114
Third-party motor	80PB, 80R	8096289	EAMM-U-87-T46-80PB-114
Third-party motor	85AA	8097655	EAMM-U-87-T46-85AA-114
Third-party motor	82AA	8223789	EAMM-U-87-T46-82AA-147
Third-party motor	84AA	8223786	EAMM-U-87-T46-84AA-147
With stepper motor			
EMMT-ST-87, EMMB-ST-87-...	87A	4819278	EAMM-U-87-T46-87A-114
ELGT-BS-120/-160			
With servo motor			
EMMT-AS-60-..., EMMB-AS-60	60P, 60PA	8126161	EAMM-U-87-T46-60P-147
Third-party motor	60R	8126162	EAMM-U-87-T46-60R-147
Third-party motor	60RA	8126163	EAMM-U-87-T46-60RA-147
Third-party motor	70A	8126165	EAMM-U-87-T46-70A-147
Third-party motor	70AA, 70AB	8126166	EAMM-U-87-T46-70AA-147
EMMT-AS-80-..., EMMB-AS-80	80P, 80PA, 80RA	8126167	EAMM-U-87-T46-80P-147
Third-party motor	80PB, 80R	8126168	EAMM-U-87-T46-80PB-147
Third-party motor	82AA	8223789	EAMM-U-87-T46-82AA-147
Third-party motor	84AA	8223786	EAMM-U-87-T46-84AA-147
Third-party motor	85AA	8126169	EAMM-U-87-T46-85AA-147
With stepper motor			
EMMT-ST-87-..., EMMB-ST-87-...	87A	8126170	EAMM-U-87-T46-87A-147

1) The input torque must not exceed the max. permissible transferable torque of the parallel kit.

Datasheet

Material:

Housing and coupling hub: Wrought aluminium alloy

Toothed belt pulley: Sintered steel

Toothed belt: Polychloroprene

Screws: Steel



General technical data							→ Page
Type	For axis	Transferable torque [Nm]	Mass moment of inertia [kgmm ²]	Max. speed [rpm]	No-load driving torque [Nm]	Weight [g]	
EAMM-U-30-V20-28A-44	EPCC-BS-25,	0.055	2.11	3000	0.015	97	62
EAMM-U-30-V20-28AA-44	EGSC-BS-25	0.055	2.11	3000	0.015	94	
EAMM-U-45-V25-38AA-63	EPCC-BS-32,	0.5	4.34	3600	0.05	264	
EAMM-U-45-V25-40P-63	EGSC-BS-32,	0.5	4.35	3600	0.05	253	
EAMM-U-45-V25-40R-63	ELGC-BS-32	0.5	4.34	3600	0.05	267	
EAMM-U-45-V25-40RA-63		0.5	4.34	3600	0.05	245	
EAMM-U-45-V25-42A-63		0.5	4.35	3600	0.05	247	
EAMM-U-45-V25-42AB-63		0.5	4.34	3600	0.05	247	
EAMM-U-45-V32-38AA-63	EPCC-BS-45,	1.0	4.34	3600	0.05	259	
EAMM-U-45-V32-40P-63	EGSC-BS-45,	1.0	4.34	3600	0.05	243	
EAMM-U-45-V32-40R-63	ELGC-BS-45	1.0	4.34	3600	0.05	262	
EAMM-U-45-V32-40RA-63		1.0	4.34	3600	0.05	240	
EAMM-U-45-V32-42A-63		1.0	4.35	3600	0.05	248	
EAMM-U-45-V32-42AB-63		1.0	4.35	3600	0.05	242	
EAMM-U-65-T42-40P-87	EPCC-BS-60,	3.0	41.2	3000	0.22	674	
EAMM-U-65-T42-40R-87	EGSC-BS-60,	3.0	41.2	3000	0.22	678	
EAMM-U-65-T42-55A-87	ELGC-BS-60,	3.0	41.2	3000	0.22	617	
EAMM-U-65-T42-57A-87	ELGD-BS-60	3.0	41.2	3000	0.22	594	
EAMM-U-65-T42-58AA-87		3.0	41.2	3000	0.22	590	
EAMM-U-65-T42-60AA-87		3.0	41.2	3000	0.22	583	
EAMM-U-65-T42-60AB-87		3.0	41.2	3000	0.22	582	
EAMM-U-65-T42-60P-87		3.0	41.0	3000	0.22	583	
EAMM-U-65-T42-60PA-87		3.0	41.0	3000	0.22	600	
EAMM-U-65-T42-60R-87		3.0	41.1	3000	0.22	602	
EAMM-U-65-T42-60RA-87		3.0	41.1	3000	0.22	601	
EAMM-U-65-T42-40G-114	ELGD-BS-WD-100,	3.0	41.2	3000	0.22	760	
EAMM-U-65-T42-40P-114	ELGD-BS-WD-120	3.0	41.2	3000	0.22	744	
EAMM-U-65-T42-40R-114		3.0	41.2	3000	0.22	749	
EAMM-U-65-T42-55A-114		3.0	41.2	3000	0.22	686	
EAMM-U-65-T42-57A-114		3.0	41.2	3000	0.22	667	
EAMM-U-65-T42-60P-114		3.0	41.2	3000	0.22	665	
EAMM-U-65-T42-60R-114		3.0	41.2	3000	0.22	666	
EAMM-U-65-T42-60RA-114		3.0	41.2	3000	0.22	665	
EAMM-U-87-T42-80P-114	ELGD-BS-60,	3.0	44.2	3000	0.22	1067	
EAMM-U-87-T42-87A-114	ELGD-BS-WD-100	3.0	41.2	3000	0.22	882	

Product range overview

General technical data							
Type	For axis	Transferable torque [Nm]	Mass moment of inertia [kgmm ²]	Max. speed [rpm]	No-load driving torque [Nm]	Weight [g]	→ Page
EAMM-U-65-T42-40G-147	ELGD-BS-WD-100,	3.0	41.2	3000	0.22	847	62
EAMM-U-87-T42-55A-147	ELGD-BS-WD-120	3.0	41.2	3000	0.22	774	
EAMM-U-87-T42-80P-147	ELGD-BS-WD-120	3.0	44.2	3000	0.22	1171	
EAMM-U-87-T42-82AA-147		3.0	41.2	3000	0.22	1145	
EAMM-U-87-T42-84AA-147		3.0	44.2	3000	0.22	1223	
EAMM-U-87-T42-87A-147		3.0	41.2	3000	0.22	996	
EAMM-U-87-T46-60P-114	ELGC-BS-80,	3.0	41.0	3000	0.22	905	
EAMM-U-87-T46-60R-114	ELGT-BS-90/120,	3.0	41.0	3000	0.22	906	
EAMM-U-87-T46-60RA-114	ELGD-BS-80	3.0	41.0	3000	0.22	905	
EAMM-U-87-T46-70A-114		3.0	41.1	3000	0.22	926	
EAMM-U-87-T46-70AA-114		3.0	41.0	3000	0.22	926	
EAMM-U-87-T46-80P-114		3.0	44.2	3000	0.22	1140	
EAMM-U-87-T46-80PA-114		3.0	44.2	3000	0.22	1057	
EAMM-U-87-T46-80PB-114		3.0	44.6	3000	0.22	1062	
EAMM-A-87-T46-85AA-114		3.0	41.0	3000	0.22	986	
EAMM-U-87-T46-87A-114		3.0	41.0	3000	0.22	877	
EAMM-U-87-T46-60P-147	ELGT-BS-120/160	3.0	41.0	3000	0.22	1015	
EAMM-U-87-T46-60R-147		3.0	41.1	3000	0.22	1017	
EAMM-U-87-T46-60RA-147		3.0	41.1	3000	0.22	1015	
EAMM-U-87-T46-70A-147		3.0	41.1	3000	0.22	1037	
EAMM-U-87-T46-70AA-147		3.0	41.2	3000	0.22	1037	
EAMM-U-87-T46-80P-147	ELGT-BS-120/160,	3.0	44.2	3000	0.22	1154	
EAMM-U-87-T46-80PB-147	ELGD-BS-80	3.0	44.6	3000	0.22	1159	
EAMM-U-87-T46-82AA-147		3.0	41.2	3000	0.22	1145	
EAMM-U-87-T46-84AA-147		3.0	44.2	3000	0.22	1233	
EAMM-A-87-T46-85AA-147		3.0	41.0	3000	0.22	1097	
EAMM-U-87-T46-87A-147		3.0	41.2	3000	0.22	1256	

Product range overview

Operating and environmental conditions	
Gear ratio	1:1
Ambient temperature [°C]	0 ... +50
Storage temperature [°C]	-20 ... +60
Degree of protection ¹⁾	IP40
Relative humidity [%]	0 ... 95
Corrosion resistance class CRC ²⁾	1
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-Zone III

1) Only in combination with attached motor and axis.

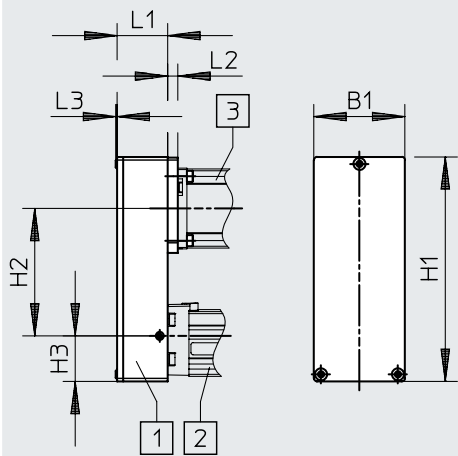
2) More information www.festo.com/x/topic/crc

Datasheet

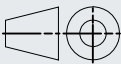
Dimensions and ordering data

Download CAD data → www.festo.com

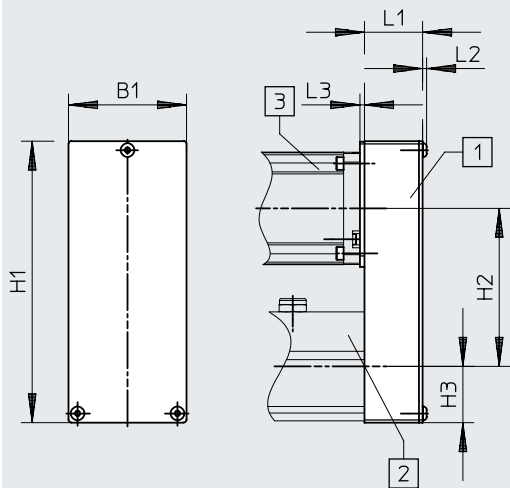
EGSC-BS, ELGC-BS, ELGD-BS



- Main illustration:
- [1] Parallel kit
 - [2] Mini slide, ball screw axis
 - [3] Motor



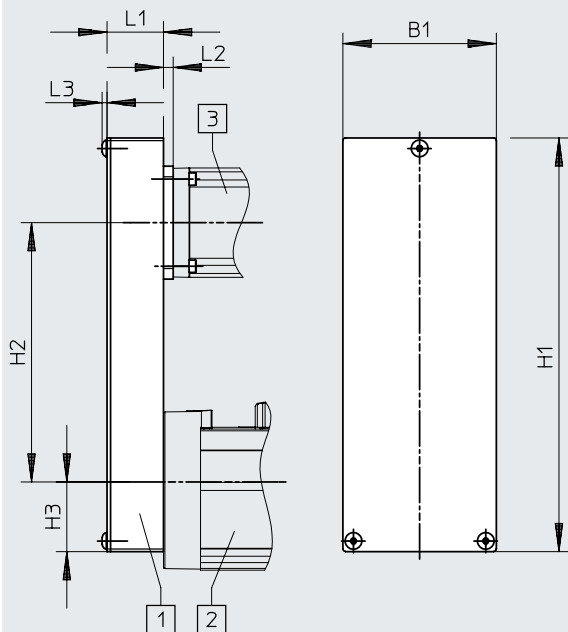
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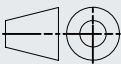
- Main illustration:
- [1] Parallel kit
 - [2] Electric cylinder
 - [3] Motor



ELGT-BS



- Main illustration:
- [1] Parallel kit
 - [2] Ball screw axis
 - [3] Motor



Datasheet

Type	B1	H1	H2	H3	L1	L2	L3	Part no.	Type
EAMM-U-30-V20-28A-44	30	76	44	15	18.2	8.1	1.6	4767125	EAMM-U-30-V20-28A-44
EAMM-U-30-V20-28AA-44	30	76	44	15	18.2	4	1.6	8093176	EAMM-U-30-V20-28AA-44
EAMM-U-38-V25-35A-63	38	105	63	19.5	24	5	1.7	8093286	EAMM-U-38-V25-35A-63
EAMM-U-45-V25-38AA-63	45	111	63	22.5	24	5	1.7	8093197	EAMM-U-45-V25-38AA-63
EAMM-U-45-V25-40P-63	45	111	63	22.5	24	5	1.7	4782056	EAMM-U-45-V25-40P-63
EAMM-U-45-V25-40R-63	45	111	63	22.5	24	10.5	1.7	8091655	EAMM-U-45-V25-40R-63
EAMM-U-45-V25-40RA-63	45	111	63	22.5	24	3.5	1.7	8095513	EAMM-U-45-V25-40RA-63
EAMM-U-45-V25-42A-63	45	111	63	22.5	24	4	1.7	4825645	EAMM-U-45-V25-42A-63
EAMM-U-45-V25-42AB-63	45	111	63	22.5	24	4	1.7	8095562	EAMM-U-45-V25-42AB-63
EAMM-U-45-V32-38AA-63	45	111	63	22.5	24	11	1.7	8092623	EAMM-U-45-V32-38AA-63
EAMM-U-45-V32-40P-63	45	111	63	22.5	24	5	1.7	4718297	EAMM-U-45-V32-40P-63
EAMM-U-45-V32-40R-63	45	111	63	22.5	24	10.5	1.7	8091631	EAMM-U-45-V32-40R-63
EAMM-U-45-V32-40RA-63	45	111	63	22.5	24	3.5	1.7	8095650	EAMM-U-45-V32-40RA-63
EAMM-U-45-V32-42A-63	45	111	63	22.5	24	4	1.7	4280674	EAMM-U-45-V32-42A-63
EAMM-U-45-V32-42AB-63	45	111	63	22.5	24	4	1.7	8095613	EAMM-U-45-V32-42AB-63
EAMM-U-65-T42-40G-114	65	182	114	31	32	19.5	2.2	8222171	EAMM-U-65-T42-40G-114
EAMM-U-65-T42-40G-147	65	215	147	31	32	19.5	2.2	8225961	EAMM-U-65-T42-40G-147
EAMM-U-65-T42-40P-87	65	155	87	31	32	13.5	2.2	8223763	EAMM-U-65-T42-40P-87
EAMM-U-65-T42-40P-114	65	182	114	31	32	13.5	2.2	8222172	EAMM-U-65-T42-40P-114
EAMM-U-65-T42-40R-87	65	155	87	31	32	13.5	2.2	8223764	EAMM-U-65-T42-40R-87
EAMM-U-65-T42-40R-114	65	182	114	31	32	13.5	2.2	8222173	EAMM-U-65-T42-40R-114
EAMM-U-65-T42-55A-87	65	155	87	31	32	6.5	2.2	8092868	EAMM-U-65-T42-55A-87
EAMM-U-65-T42-55A-114	65	182	114	31	32	6.5	2.2	8222165	EAMM-U-65-T42-55A-114
EAMM-U-65-T42-55A-147	65	215	147	31	32	6.5	2.2	8223771	EAMM-U-65-T42-55A-147
EAMM-U-65-T42-57A-87	65	155	87	31	32	3	2.2	4331535	EAMM-U-65-T42-57A-87
EAMM-U-65-T42-57A-114	65	182	114	31	32	3	2.2	8222166	EAMM-U-65-T42-57A-114
EAMM-U-65-T42-60AA-87	65	155	87	31	32	2.5	2.2	8093189	EAMM-U-65-T42-60AA-87
EAMM-U-65-T42-60AB-87	65	155	87	31	32	2.5	2.2	8096187	EAMM-U-65-T42-60AB-87
EAMM-U-65-T42-60P-87	65	155	87	31	32	5.5	2.2	4784301	EAMM-U-65-T42-60P-87
EAMM-U-65-T42-60P-114	65	182	114	31	32	5.5	2.2	8222167	EAMM-U-65-T42-60P-114
EAMM-U-65-T42-60R-87	65	155	87	31	32	5.5	2.2	8093364	EAMM-U-65-T42-60R-87
EAMM-U-65-T42-60R-114	65	182	114	31	32	5.5	2.2	8222168	EAMM-U-65-T42-60R-114
EAMM-U-65-T42-60RA-87	65	155	87	31	32	5.5	2.2	8093199	EAMM-U-65-T42-60RA-87
EAMM-U-65-T42-60RA-114	65	182	114	31	32	5.5	2.2	8222170	EAMM-U-65-T42-60RA-114
EAMM-U-87-T42-80P-114	87	201.5	114	39.5	32	24.2	2.8	8223765	EAMM-U-87-T42-80P-114
EAMM-U-87-T42-80P-147	87	234.5	147	39.5	32	24.2	2.8	8223774	EAMM-U-87-T42-80P-147
EAMM-U-87-T42-82AA-147	87	234.5	147	39.5	32	9.5	2.8	8223777	EAMM-U-87-T42-82AA-147
EAMM-U-87-T42-84AA-147	87	234.5	147	39.5	32	24.2	2.8	8223780	EAMM-U-87-T42-84AA-147
EAMM-U-87-T42-87A-114	87	201.5	114	39.5	32	2	2.8	8223768	EAMM-U-87-T42-87A-114
EAMM-U-87-T42-87A-147	87	234.5	147	39.5	32	2	2.8	8223783	EAMM-U-87-T42-87A-147
EAMM-U-87-T46-60P-114	87	201.5	114	39.5	32	5.5	2.8	4824069	EAMM-U-87-T46-60P-114
EAMM-U-87-T46-60P-147	87	234.5	147	39.5	32	5.5	2.8	8126161	EAMM-U-87-T46-60P-147
EAMM-U-87-T46-60R-114	87	201.5	114	39.5	32	5.5	2.8	8126171	EAMM-U-87-T46-60R-114
EAMM-U-87-T46-60R-147	87	234.5	147	39.5	32	5.5	2.8	8126162	EAMM-U-87-T46-60R-147
EAMM-U-87-T46-60RA-114	87	201.5	114	39.5	32	5.5	2.8	8126172	EAMM-U-87-T46-60RA-114
EAMM-U-87-T46-60RA-147	87	234.5	147	39.5	32	5.5	2.8	8126163	EAMM-U-87-T46-60RA-147
EAMM-U-87-T46-70A-114	87	201.5	114	39.5	32	7	2.8	8092891	EAMM-U-87-T46-70A-114
EAMM-U-87-T46-70A-147	87	234.5	147	39.5	32	7	2.8	8126165	EAMM-U-87-T46-70A-147
EAMM-U-87-T46-70AA-114	87	201.5	114	39.5	32	7	2.8	8096220	EAMM-U-87-T46-70AA-114
EAMM-U-87-T46-70AA-147	87	234.5	147	39.5	32	7	2.8	8126166	EAMM-U-87-T46-70AA-147
EAMM-U-87-T46-80P-114	87	201.5	114	39.5	32	24.7	2.8	4822696	EAMM-U-87-T46-80P-114
EAMM-U-87-T46-80P-147	87	234.5	147	39.5	32	24.7	2.8	8126167	EAMM-U-87-T46-80P-147
EAMM-U-87-T46-80PB-114	87	201.5	114	39.5	32	24.7	2.8	8096289	EAMM-U-87-T46-80PB-114
EAMM-U-87-T46-80PB-147	87	234.5	147	39.5	32	24.7	2.8	8126168	EAMM-U-87-T46-80PB-147
EAMM-U-87-T46-82AA-147	87	234.5	147	39.5	32	10	2.8	8223789	EAMM-U-87-T46-82AA-147
EAMM-U-87-T46-84AA-147	87	234.5	147	39.5	32	24.7	2.8	8223786	EAMM-U-87-T46-84AA-147
EAMM-A-87-T46-85AA-114	87	201.5	114	39.5	32	10	2.8	8097655	EAMM-A-87-T46-85AA-114
EAMM-A-87-T46-85AA-147	87	234.5	147	39.5	32	10	2.8	8126169	EAMM-A-87-T46-85AA-147
EAMM-U-87-T46-87A-114	87	201.5	114	39.5	32	2.5	2.8	4819278	EAMM-U-87-T46-87A-114
EAMM-U-87-T46-87A-147	87	234.5	147	39.5	32	2.5	2.8	8126170	EAMM-U-87-T46-87A-147

Product range overview

Third-party motors and gear units		
Manufacturer	Motor interface	Type
Allen-Bradley/Rockwell Automation	40R	TL-A110; TL-A120; TL-A130; TLY-A110; TLY-A120; TLY-A130
Allen-Bradley/Rockwell Automation	55A	MPL-A/B1510; MPL-A/B1520; MPL-A/B1530; VPL-A/B-063x
Allen-Bradley/Rockwell Automation	60R	TL-A220; TL-A230; TLY-A220; TLY-A230
Allen-Bradley/Rockwell Automation	70A	MPL-A/B210; MPL-A/B220; MPL-A/B230; VPL-A/B-075x
Allen-Bradley/Rockwell Automation	80R	TLx-A25
Allen-Bradley/Rockwell Automation	90R	TLY-A310
Allen-Bradley/Rockwell Automation	92RA	MPF-B310; MPL-B320; MPL-B330; VPL-A/B1001; VPL-A/B1002; VPL-A/B1003
Allen-Bradley/Rockwell Automation	100A	VPL-A/B1152; VPL-A/B1153; MPL-A/B420; MPL-A/B430
Allen-Bradley/Rockwell Automation	108AA	VPL-A/B1303; VPL-A/B1304; VPL-A/B1306; MPL-A/B4530; MPL-A/B4540; MPL-A/B4560
Allen-Bradley/Rockwell Automation	190A	B640; B660; B690
AMK	55A	DT3
AMK	70A	DT4-1; DT4-2
AMK	100A	DT5-15; DT5-23; DT5-3; DT5-5; DT5-9; DTK5-3
Apex Dynamics INC.	40G	PG040
Apex Dynamics INC.	50GA	PE 050
Apex Dynamics INC.	60H	PG II 060; PG060; PG2-060
Apex Dynamics INC.	70GA	PE 070
Apex Dynamics INC.	80G	PG080
Apex Dynamics INC.	86GA	PG2-080; PG II 080
Apex Dynamics INC.	90GA	PE 090
Apex Dynamics INC.	114GA	PG II 120; PG2-120
Apex Dynamics INC.	120G	PG120
Apex Dynamics INC.	120GA	PG080A
Apex Dynamics INC.	120GC	PE 120
Apex Dynamics INC.	160G	PG160; PG II 160; PG2-160
B+R Automation	40G	8GP30-040
B+R Automation	40R	8LVA1
B+R Automation	55A	8LSA2
B+R Automation	57AA	80MPF
B+R Automation	58AA	8JSA2
B+R Automation	60H	8GP30-060; 8GP40-060
B+R Automation	60PA	8LVA22; 8LVA23
B+R Automation	70AA	8JSA3
B+R Automation	72GA	8GP60-070
B+R Automation	80G	8GP40-080
B+R Automation	80PA	8LVA3
B+R Automation	84AA	8JSA4
B+R Automation	88A	8LSA3; 8MSA3
B+R Automation	100A	8LSA4; 8MSA4; 8MSC4
Baumüller	55A	DSD 028 M; DSD 028 S
Baumüller	70A	DSD 036 M; DSD 036 S
Baumüller	88A	DS 045 L; DS 045 M; DS 045 S; DSC 045 K; DSC 045 M; DSC 045 S; DSCG 045 K; DSCG 045 M; DSCG 045 S; DSD 045 L; DSD 045 M; DSD 045 S
Baumüller	126AA	DSC 056 K; DSC 056 M; DSC 056 S; DSCG 056 K; DSCG 056 M; DSCG 056 S; DSD 056 L; DSD 056 M; DSD 056 S
Beckhoff	40R	AM3011; AM3012; AM3013; AM3111; AM3112; AM8111; AM8113
Beckhoff	42A	AS1010; AS1020
Beckhoff	55A	AM227LL; AM227M; AM8021; AM8022; AM8023; AM8121; AM8122
Beckhoff	58AA	AM3021; AM3022; AM3023; AM3024
Beckhoff	60RB	AM3121
Beckhoff	70AA	AM3031; AM3032; AM3033; AM8031; AM8032; AM8131; AM8531
Beckhoff	84AA	AM3041; AM3042; AM3043; AM3044; AM3541; AM3542; AM3543; AM8041; AM8042; AM8043
Beckhoff	88A	AM247L
Beckhoff	100A	AM257M; AM257S
Beckhoff	104AA	AM8051; AM8052; AM8053
Beckhoff	108AA	AM3051; AM3052; AM3053; AM3054; AM3551; AM3552; AM3553; AM8051-XXXX-900
Beckhoff	158AA	AM3062; AM3063; AM3064; AM3065; AM3562; AM3563; AM8061; AM8062; AM8063

Product range overview

Third-party motors and gear units		
Manufacturer	Motor interface	Type
Bosch Rexroth	38AA	MSM019A; MSM019B
Bosch Rexroth	40G	GTE040
Bosch Rexroth	58AA	MKD 025; MSK030B; MSK030C; MS2N03-BXXXN-AXDK0-NNNNN-NN; MS2N03-BXXXN-BXDGO-NNNNN-NN; MS2N03-BXXXN-BXDH1-NNNNE-NN; MS2N03-BXXXN-CXDG0-NNNNN-NN; MS2N03-BXXXN-CXDG1-NNNNN-NN; MS2N03-BXXXN-CXDHO-NNNNN-NN; MS2N03-BXXXN-CXDH1-NNNNN-NN; MS2N03-BXXXN-CXSG1-NNNNN-
Bosch Rexroth	60H	GTE060
Bosch Rexroth	60P	MSM 031C
Bosch Rexroth	60RA	MSM030B; MSM031B
Bosch Rexroth	68GA	GTM060
Bosch Rexroth	75GA	GTM075
Bosch Rexroth	80G	GTE080
Bosch Rexroth	80P	MSM040B; MSM041B
Bosch Rexroth	82AA	MKD041; MSK040B; MSK040C; MSK043C; MS2N04
Bosch Rexroth	100A	MSK050B; MSK050C
Bosch Rexroth	115GA	GTM100
Bosch Rexroth	116AA	MSK061B; MSK061C
Bosch Rexroth	120G	GTE120
Bosch Rexroth	158AA	MSK070C; MSK070D; MSK070E; MSK071C; MSK071D; MSK071E; MSK075C; MSK075D; MSK075E
Bosch Rexroth	160G	GTE160
Danaher Motion	40R	AKM1 AK; AKM1 AN
Danaher Motion	58AA	AKM21 AC; AKM21 AN; AKM22 AC; AKM22 AN; AKM23 AC; AKM23 AN; AKM24 AC; AKM24 AN; AKM2x AC/AN
Danaher Motion	60P	AKM2 CK
Danaher Motion	70AA	AKM 31 AC; AKM 31 AN; AKM 32 AC; AKM 32 AN; AKM 33 AC; AKM 33 AN
Danaher Motion	84AA	AKM 41 AC; AKM 41 AN; AKM 42 AC; AKM 42 AN; AKM 43 AC; AKM 43 AN; AKM 44 AC; AKM 44 AN
Delta	80RA	ECMA-C Δ0807
Elau	55A	SH-055 80 005; SH-055 80 009; SH-055 80 013
Elau	70A	iSH 070 60 011; iSH 070 60 017; SH-070 60 010; SH-070 60 020; SM-070 xx010; SM-070 xx020
Elau	70AA	iSH 070 60 022; SH-070 60 030
Elau	104AA	SH 100 30 100
Esitron	88A	esiMot 32/3
Fanuc	60PA	BETA iS1
Fanuc	88A	S 4/5000 HV
Fastech	20AC	EzM2-20
Fastech	25AA	EzM-25
Fastech	28AA	EzM2-28
Fastech	35A	EzM2-35
Fastech	42A	EzM2-42
Fastech	57A	EzM2-56
Fastech	60AA	EzM2-60
Inovance	40R	ISMH1-10B30
Inovance	60PA	ISMH1-20B30; ISMH1-40B30
Inovance	80PA	ISMH1-75B30
Kollmorgen	40R	AKM11; AKM12; AKM13
Kollmorgen	55A	DBL2 H00080
Kollmorgen	58AA	AKM21; AKM22; AKM23; AKM24
Kollmorgen	70AA	AKM31x-Ax; AKM32x-Ax; AKM33x-Ax
Kollmorgen	84AA	AKM41x-Ax; AKM42x-Ax; AKM43x-Ax; AKM44x-Ax
Kollmorgen	108AA	AKM51x-Ax; AKM52x-Ax; AKM53x-Ax; AKM54x-Ax
Kollmorgen	158AA	AKM62; AKM63; AKM64; AKM65
Lenze	68GA	GPA00; MPR050-1S GCN
Lenze	70A	MCS 06; MDSKSxx036
Lenze	75GA	GPA01
Lenze	88A	MCA 10 FF100; MCS 09; MDSKSxx056 FF100; LST-074-2
Lenze	115GA	GPA02
Lenze	120GA	GKR03-2M VAK; GKR04-2S VAK

Product range overview

Third-party motors and gear units		
Manufacturer	Motor interface	Type
Minebea	20AA	08PM-K (IP20)
Minebea	25AA	10PM-K (IP20)
Minebea	35A	14PY-Z (IP20)
Minebea	42A	17PY-Z (IP20)
Minebea	57A	23KY-K (IP20)
Minebea	87AB	34KM-K (IP20)
Mitsubishi	28M	HC-AQ0335D
Mitsubishi	40R	HF-KE13; HF-KP053; HF-KP13; HF-MP053; HF-MP13; HG-MR13B
Mitsubishi	60PA	HF-KP23; HF-KP43; HK-KT23W; HK-KT43W; HF-KE23; HF-KE43; HF-MP23; HF-MP43; HG-KR43
Mitsubishi	80PA	HG-KR73; HK-KT7M3W
Moons	20AB	8HYxx (IP20)
Moons	35AB	MS14HA (IP20)
Moons	42A	MS17HA (IP20)
Moons	57A	MS23HA (IP20)
Moons	60PA	SM601AE4; SM602AE4
Moons	80PA	SM803AE4
Moons	87AA	ML34HD (IP20)
Nanotec	42A	ST4209
Nanotec	57AA	ST6018
Nanotec	87AB	ST8918L
Neugart	40G	PLE 040; WPLE 40
Neugart	50GA	PLPE 50; WPLPE 50
Neugart	60H	PLE 060; WPLE 60
Neugart	68GA	PLN 70; WPLN 70
Neugart	70GA	PLPE 70; WPLPE 70
Neugart	72GA	PLN 70 (OP14); WPLN 70 (OP14)
Neugart	75GA	PLN 90; WPLN 90
Neugart	80G	PLE 080; WPLE 80
Neugart	90GA	PLPE 90; WPLPE 90
Neugart	115GA	PLN 115; WPLN 115
Neugart	120G	PLE 120; WPLE 120
Neugart	120GA	PLE 080-90; WPLE 80-90
Neugart	120GC	PLPE 120; WPLPE 120
Neugart	160G	PLE 160
Omron	40R	R7M-A10030; R88M-K10030H; SGMAV-01A; SGMAV-A5A; SGMAV-C2A; SGMJV-01A; SGMJV-05A
Omron	60P	R88M-1M40030
Omron	60PA	SGMAH-02; SGMAV-02A; SGMAV-04A; SGMAV-06A; SGMJV-02A; SGMJV-04A
Omron	60RA	R88M-1M20030; R88M-G20030H; R88M-K20030H-S2
Omron	80P	R88M-1M75030; R88M-G75030H; R88M-K75030
Oriental Motor	20AA	CVK21
Oriental Motor	28AA	AR2x; AZ2x; CVK22
Oriental Motor	35AA	CVK23
Oriental Motor	42AA	CVK24
Oriental Motor	42AB	AR4x; AZ4x
Oriental Motor	57A	PKP26
Oriental Motor	57AD	CVK26
Oriental Motor	60AB	AR6x; AZ6x
Oriental Motor	85AA	AR9x; AZ9x
Panasonic	38AA	MSMD012J1; MSMF012; MSMF5A
Panasonic	60P	MSMF042
Panasonic	60RA	MSMF022
Panasonic	80P	MSMF082
Parker	120GA	PE 4
Parker	55A	SMH60601_45112ID654
Parker	60H	PE 3
Parker	70A	SMHA60301
Planetroll	115GA	PDH 200/1
Planetroll	68GA	PDH 25/1
Planetroll	75GA	PDH 100/1

Product range overview

Third-party motors and gear units		
Manufacturer	Motor interface	Type
Sanyo Denki	28AA	SH2281; SH2285
Sanyo Denki	35A	SH3533; SH3537
Sanyo Denki	40R	R2EA04008; R2xA04005
Sanyo Denki	40S	R2AA04003
Sanyo Denki	40T	R2AA04005; R2AA04010
Sanyo Denki	60PA	R2AA06040; R2AA06040FX; R2xA06020
Sanyo Denki	60S	R2AA06010
Sanyo Denki	60T	R2AA06020
Sanyo Denki	80PB	R2AA08075
Sanyo Denki	90R	R2AAB8100
Schneider Electric	40A	BMH 1403
Schneider Electric	42A	ILP2R421; ILP2R422; ILP2R423
Schneider Electric	55A	BMH 055; BSH 055
Schneider Electric	57AA	NEMA23; NEMA24
Schneider Electric	57AB	BRS 364; BRS 366; IFS 61; IFS 62; ILS1x571; ILS1x572
Schneider Electric	57AC	BRS 368; IFS 63; ILS1x573
Schneider Electric	70A	BMH 0701; BMH 0702; BSH 0701; BSH 0702
Schneider Electric	70AA	BMH 0703; BSH 0703
Schneider Electric	80G	GBX080
Schneider Electric	104AA	BSH 1004
Schneider Electric	116AA	BRH 110
Schneider Electric	120G	GBX120
SEW Eurodrive	56GA	PSF 121; PSF 122; PSKF 121; PSKF 122
SEW Eurodrive	58AA	CMP40
SEW Eurodrive	68GA	PSC 221; PSC 222; PSF 221; PSF 222; PSKC 221; PSKC 222; PSKF 221; PSKF 222
SEW Eurodrive	70A	CMP50
SEW Eurodrive	70GA	PSCZ 221; PSCZ 222; PSKCZ 221; PSKCZ 222
SEW Eurodrive	75GA	PSC 321; PSC 322; PSF 321; PSF 322; PSKC 321; PSKC 322; PSKF 321; PSKF 322
SEW Eurodrive	88A	CMP63
SEW Eurodrive	92RA	WF10 Ø120; WF10DT56
SEW Eurodrive	100A	CFM71
SEW Eurodrive	115GA	PSC 521; PSC 522; PSF 521; PSF 522; PSKC 521; PSKC 522; PSKF 521; PSKF 522
SEW Eurodrive	120GA	RF07 Ø120; SF37 Ø120; WF30 Ø120; WF37 Ø120
SEW Eurodrive	120GB	RF27 Ø120
SEW Eurodrive	126AA	CMPZ71
SEW Eurodrive	190A	CFM112
Siemens	40R	1FK2102-0AG...; 1FK2102-1AG...
Siemens	40RA	1FK7011; 1FK7015
Siemens	55A	1FK7022; 1FT6021; 1FT6024
Siemens	60PA	1FK2103-2AG...-0...; 1FK2103-2AG...-1...; 1FK2103-4AG...-0...; 1FK2103-4AG...-1...; 1FK2203-2AG...-0...; 1FK2203-2AG...-1...; 1FK2203-4AG...-0...; 1FK2203-4AG...-1...; 1FL603x-2AF21
Siemens	60RB	1FK2103-2AG...-2...; 1FK2103-4AG...-2...; 1FK2203-2AG...-2...; 1FK2203-4AG...-2...
Siemens	68GA	SP 060S
Siemens	70AA	1FT6031; 1FT6034
Siemens	70AB	1FK7032; 1FK7033; 1FK7034; 1FT7034; 6SN2155...
Siemens	75GA	SP 075S
Siemens	80PA	1FK2104-4AK...; 1FK2104-5AK...; 1FL604x-2AF21
Siemens	80RA	1FL604x-2AF21
Siemens	84AA	1FK7040; 1FK7042; 1FK7043; 1FK7044; 1FT6041; 1FT6044; 1FT704x
Siemens	96RB	1FT7042; 1FT7044; 1FT7046
Siemens	115GA	SP 100S
Siemens	120GA	BF29-KQ-703
Siemens	120GB	ZF29-KQ-704; ZF29-KQ-706
Siemens	126AA	1FK7060; 1FK7062; 1FK7063; 1FT6061; 1FT6062; 1FT6064; 1FT7062; 1FT7064; 1FT7066; 1FT7068; 1FK2206
Siemens	158AA	1FK7080; 1FK7083; 1FK7086; 1FT6081; 1FT6082; 1FT6084; 1FT6086

Product range overview

Third-party motors and gear units		
Manufacturer	Motor interface	Type
Wittenstein Alpha	40G	CP 005; CPK 005; alphira CP 040
Wittenstein Alpha	50GA	NPK 005; LP+ 050 (replaced by NP 005); LPK+ 050 (replaced by NPK 005); LK+ 050; LP+ 050; LPK+ 050; NP 005
Wittenstein Alpha	60H	CP 015; CPK 015; alphira CP 060
Wittenstein Alpha	68GA	SK+ 060; SP+ 060; SPC+ 060; SK+ 060 MF; SP+ 060 MF
Wittenstein Alpha	70GA	NP 015; NPK 015; LP+ 070 (replaced by NP 015); LPK+ 070 (replaced by NPK 015); LK+ 070; LP+ 070; LPK+ 070
Wittenstein Alpha	75GA	SK+ 075; SP+ 075; SPK+ 075; SPC+ 075; SK+ 075 MF; SP+ 075 MC; SP+ 075 MF; SPK+ 075 MF
Wittenstein Alpha	80G	CP 025; CPK 025; alphira CP 080
Wittenstein Alpha	90GA	NP 025; NPK 025; LP+ 090 (replaced by NP 025); LPK+ 090 (replaced by NPK 025); LK+ 090; LP+ 090; LPK+ 090
Wittenstein Alpha	115GA	SK+ 100; SP+ 100; SPK+ 100; SPC+ 100; SK+ 100 MF; SP+ 100 MC; SP+ 100 MF; SPK+ 100 MF
Wittenstein Alpha	120G	CP 035; CPK 035; alphira CP 115
Wittenstein Alpha	120GC	NP 035; NPK 035; LP+ 120 (replaced by NP 035); LPK+ 120 (replaced by NPK 035); LK+ 120; LP+ 120; LPK+ 120
YASKAWA	25A	SGMM...
YASKAWA	40R	SGM7J-A5A.A2.; SGM7J-01A.A2.; SGM7J-C2A.A2.; SGM7JJA-A5A.A2.; SGM7JJA-01A.A2.; SGM7JJA-C2A.A2.
YASKAWA	60PA	SGM7J-02A.A2.; SGM7J-04A.A2.; SGM7J-06A.A2.
YASKAWA	60S	SGM7P-01A..2.
YASKAWA	80PA	SGM7J-08A.A2.