

Guide units EAGF for electric cylinders



# Guide units EAGF for electric cylinders

Key features

## At a glance

The guide unit EAGF is used to protect electric cylinders from torsion when these are subjected to high torque loads.

It offers high precision guidance for workpiece handling and other handling applications.

## For electric cylinder ESBF



## Type codes

EAGF – V2 – KF – 63 – 100

### Type

EAGF	Guide unit
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### Design

V2	For electric cylinder ESBF
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### Guide

KF	Recirculating ball bearing guide
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### Size

63	63 mm
80	80 mm
100	100 mm

### Stroke [mm]

100	100 mm
200	200 mm
320	320 mm
400	400 mm
...	1 ... 500 mm

# Guide units EAGF for electric cylinders

Technical data



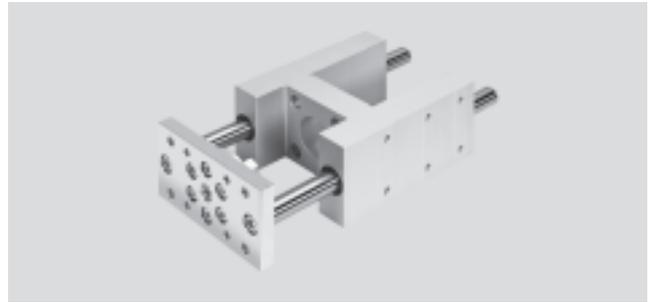
63 ... 100 mm



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1 ... 500 mm

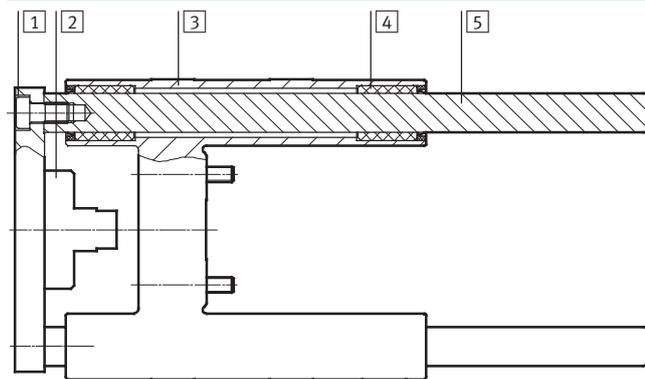


General technical data			
Size	63	80	100
Stroke [mm]	1 ... 500		
Design	Guide		
Guide	Recirculating ball bearing guide		
Reversing backlash [µm]	0		
Type of mounting	Via female thread		
Mounting position	Any		
Ambient temperature [°C]	-20 ... +80 °C		

Weight [g]			
Size	63	80	100
Basic weight with 0 mm stroke	5,525	10,517	13,263
Additional weight per 10 mm stroke	49	76	76
Moving load with 0 mm stroke	2,560	5,166	6,148
Additional load per 10 mm stroke	49	76	76

## Materials

Sectional view

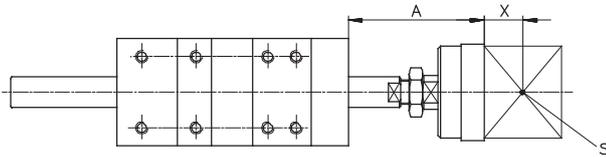


Guide unit	
1	Yoke plate Steel
2	Guide element Steel
3	Housing Anodised wrought aluminium alloy
4	Bearing Steel
5	Guide rod Steel
-	Note on materials Free of copper and PTFE RoHS-compliant

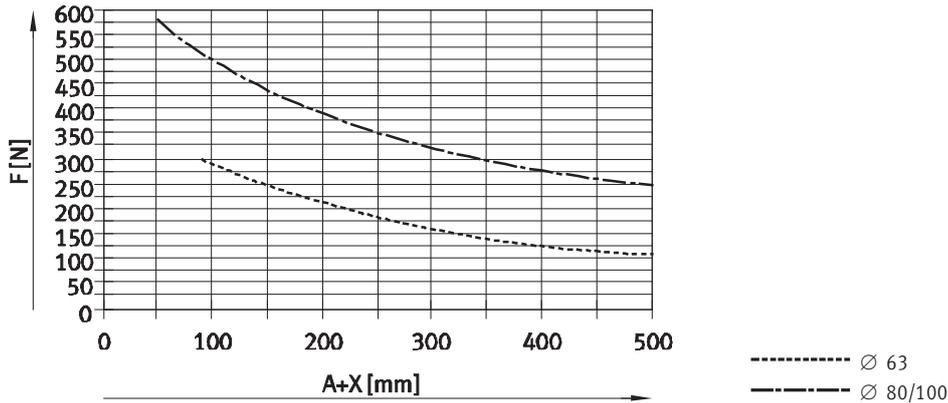
# Guide units EAGF for electric cylinders

Technical data

## Max. effective load F as a function of projection A

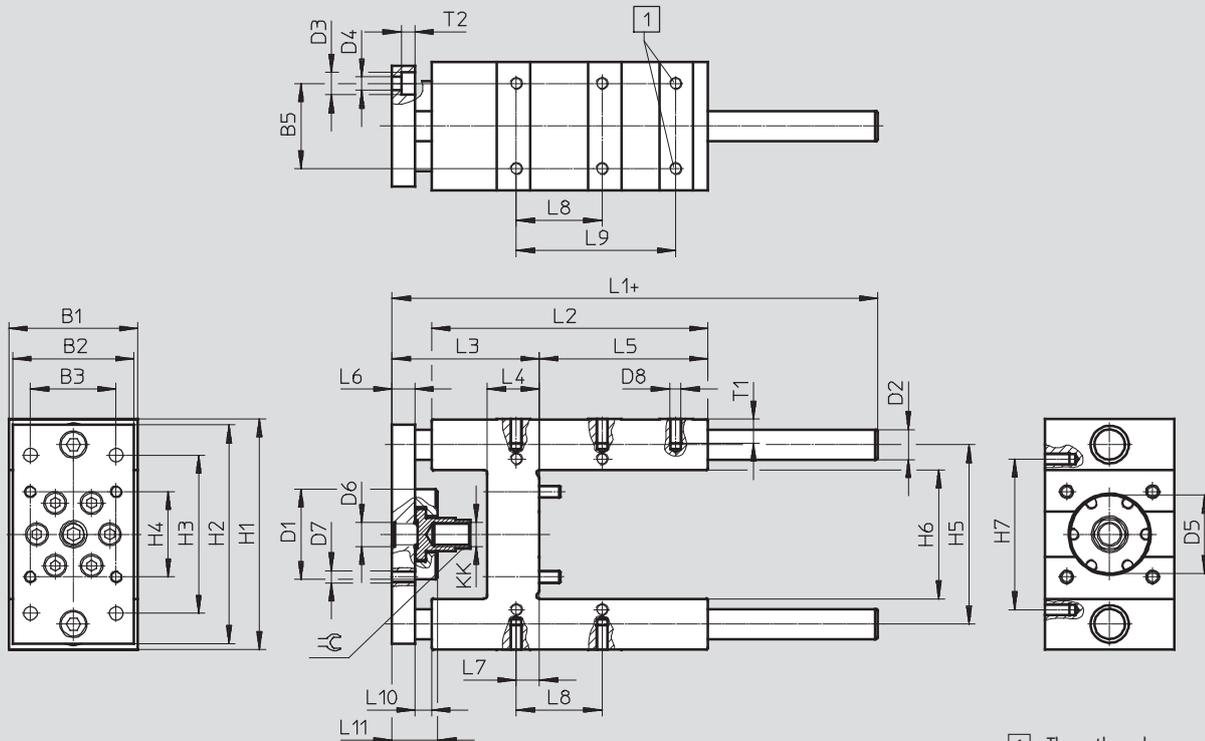


- A = Projection
- X = Distance to centre of gravity of effective load
- S = Centre of gravity of effective load



## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)



1 These threads are omitted for sizes 80 and 100.

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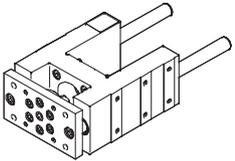
Technical data

FESTO

Size	B1	B2	B3	B5	D1	D2	D3	D4	D5	D6	D7
	-0.3		±0.2	±0.2	∅	∅ h6	∅	∅	∅ H8		
63	85	80	56.5	56.5	60	20	15	9	52	M16	M8
80	105	100	72	72	78	25	18	11	60	M18	M10
100	130	120	89	89	78	25	18	11	70	M18	M10

Size	D8	H1	H2	H3	H4	H5	H6	H7	KK	L1	L2
		-0.5		±0.2	±0.2	±0.2		±0.2		±1	
63	M8	153	145	105	56.5	119	85.5±0.3	100	M16x1.5	219.8	182
80	M10	189	180	130	72	148	106+1/-0.6	130	M20x1.5	257.8	215
100	M10	213	200	150	89	172	131+1/-0.6	150	M20x1.5	262.8	220

Size	L3	L4	L5	L6	L7	L8	L9	L10	L11	T1	T2	≈C1
						±0.2	±0.2					
63	96.6	34	111	15	15.3	56.5	105	11	30	16	9	19
80	121.6	40	128	20	21	72	-	15	39	20	11	27
100	126.6	40	128	20	24.5	89	-	15	39	20	11	27

Ordering data			Part No.	Type
Guide unit	Size	Stroke [mm]		
	63	100	<b>1725842</b>	<b>EAGF-V2-KF-63-100</b>
		200	<b>1725843</b>	<b>EAGF-V2-KF-63-200</b>
		320	<b>1725844</b>	<b>EAGF-V2-KF-63-320</b>
		400	<b>1725845</b>	<b>EAGF-V2-KF-63-400</b>
		1 ... 500	<b>2608521</b>	<b>EAGF-V2-KF-63-</b>
	80	100	<b>1725846</b>	<b>EAGF-V2-KF-80-100</b>
		200	<b>1725847</b>	<b>EAGF-V2-KF-80-200</b>
		320	<b>1725848</b>	<b>EAGF-V2-KF-80-320</b>
		400	<b>1725849</b>	<b>EAGF-V2-KF-80-400</b>
		1 ... 500	<b>2608528</b>	<b>EAGF-V2-KF-80-</b>
	100	100	<b>1725850</b>	<b>EAGF-V2-KF-100-100</b>
		200	<b>1725851</b>	<b>EAGF-V2-KF-100-200</b>
		320	<b>1725852</b>	<b>EAGF-V2-KF-100-320</b>
		400	<b>1725853</b>	<b>EAGF-V2-KF-100-400</b>
		1 ... 500	<b>2608532</b>	<b>EAGF-V2-KF-100-</b>

# Product Range and Company Overview

## A Complete Suite of Automation Services

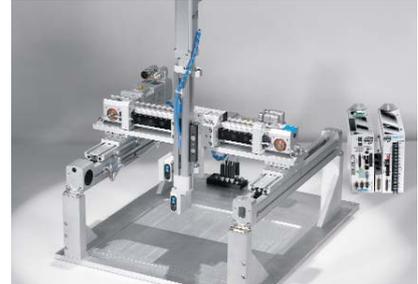
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**Complete Systems**  
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With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



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**PLCs and I/O Devices**  
PLC's, operator interfaces, sensors and I/O devices

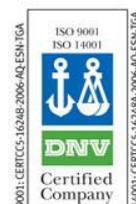
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