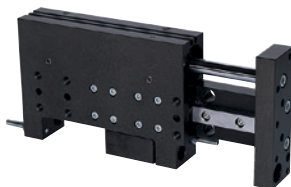


# LINEAR RAIL SLIDES

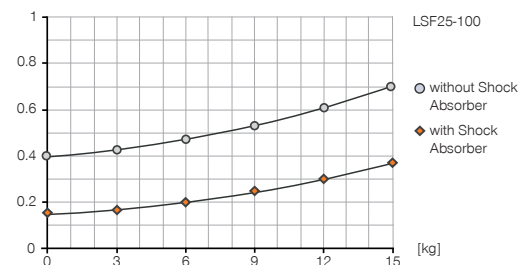
## LSF25-100

### PRODUCT SPECIFICATIONS



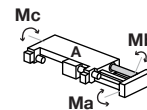
#### Time diagram

[sec] Travel time vst the extension load



#### Forces and moments

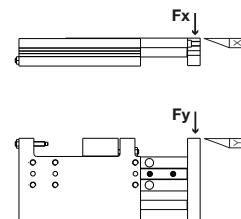
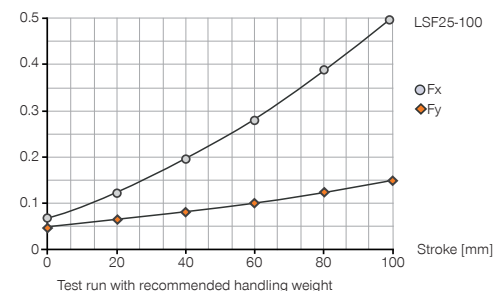
Max allowable static forces and moments on face A.



Ma [Nm]	100
Mb [Nm]	100
Mc [Nm]	40

#### Load diagram

X/Y[mm] Deflection under load vs the stroke



### RECOMMENDED ACCESSORIES



#### SENSORS



**KB8**  
Mounting block



**NJ8-E2**  
Inductive proximity switch - Cable 5 m



**NJ8-E2S**  
Inductive proximity switch - Connector M8



**MFS02-K-KHC-P1-PNP**  
Magnetic field sensor straight, cable 5 m



**MFS02-S-KHC-P1-PNP**  
Magnetic field sensor straight, cable 0.3 m - M8 connector



#### CONNECTIONS / OTHER



**PHE12X10NS-A-90**  
Industrial shock absorbers PowerStop



**KAG500**  
Plug-in connector Straight Cable 5m - Socket M8 (female)



**KAW500**  
Plug-in connector Angled Cable 5m - Socket M8 (female)



**S8-G-3**  
Plug-in connector customizable Straight - Connector M8

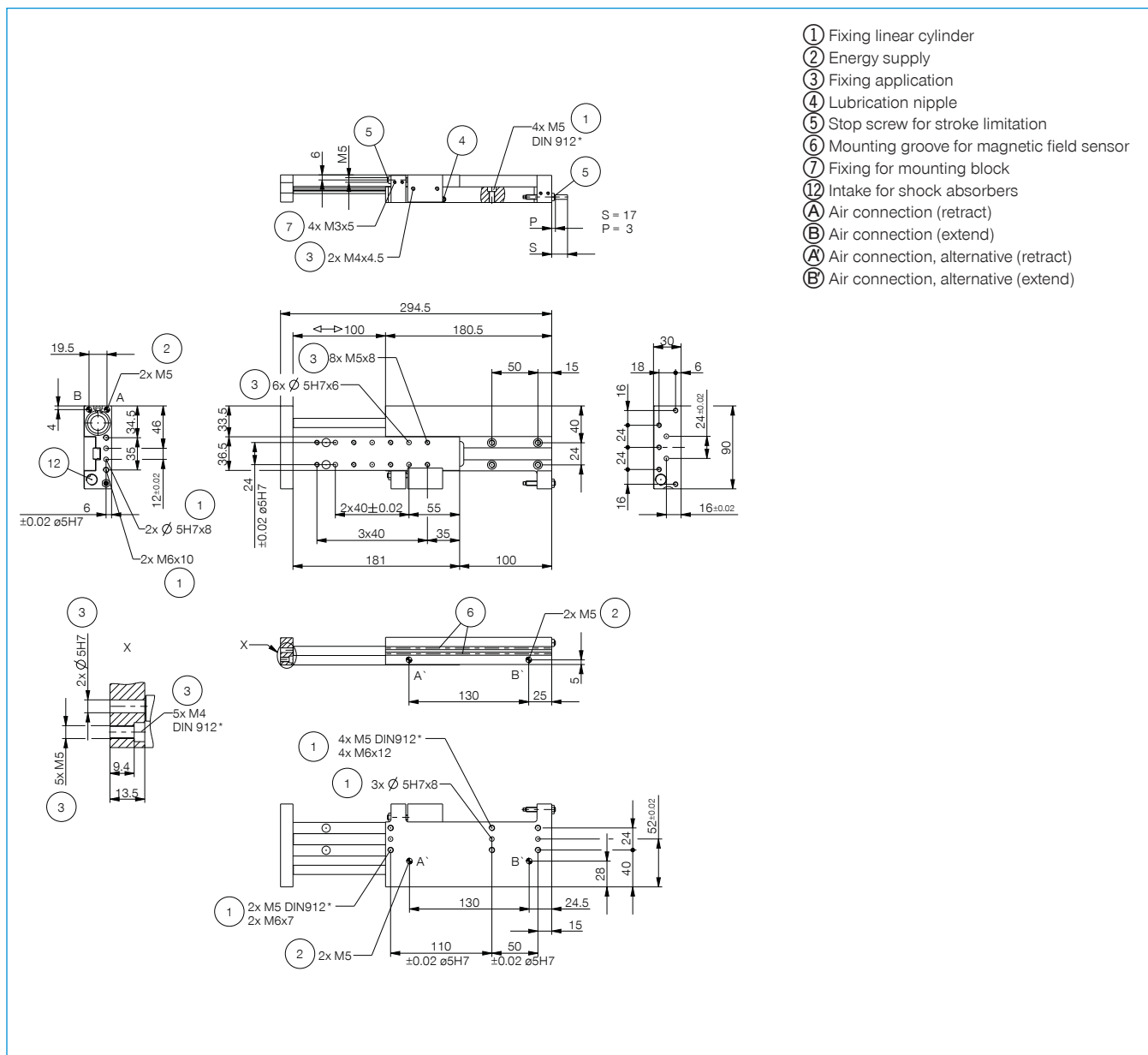


**S12-G-3**  
Plug-in connector customizable Straight - Connector M12



**SN09**  
Switch cam + screws

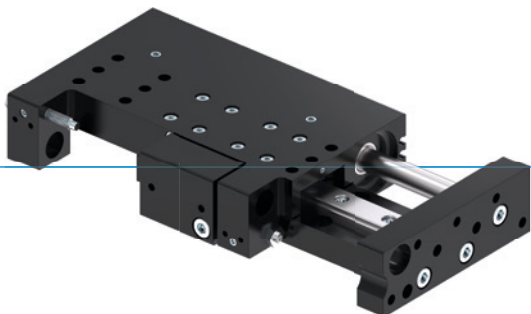
	► Technical data
Order no.	LSF25-100
Stroke [mm]	100
Pressure force max. [N]	265
Retraction force [N]	220
Piston diameter [mm]	25
Guide rail size [mm]	12
Nominal operating pressure [bar]	6
Operating temperature min. [°C]	5
Operating temperature max. [°C]	+80
Air volume per cycle [cm³]	90
Weight [kg]	1.3



# LINEAR RAIL SLIDES






## SERIES LSF

### ▶ PRODUCT ADVANTAGES



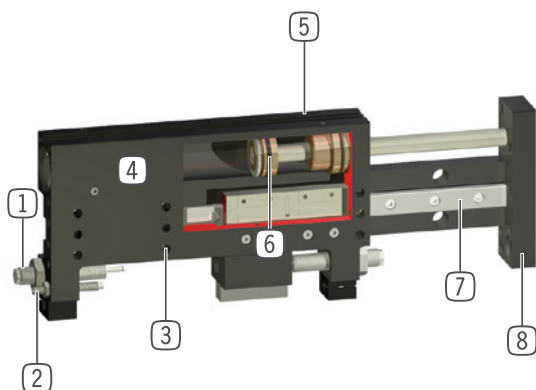
- ▶ **Precise profile guide**  
The linear guide with ball bearing circulation and scrapers provides high precision and rigidity
- ▶ **Dampened end position**  
By using PowerStop shock absorbers, you can gently move up to the end positions, increasing the process reliability and durability of your application
- ▶ **Flat structure**  
Reduces the interference contours for your application

### ▶ SERIES CHARACTERISTICS

Installation size		
LSFXX-XX		
 10 million maintenance-free cycles (max.)		●
 Inductive sensor		●
 Magnetic field sensor		●
 Powerstop end position damping		●
 IP 40		●



## ► BENEFITS IN DETAIL



- ① **Patented, hydraulic shock absorber**
  - adjustable end position damping
  - included in scope of delivery
- ② **Stroke limiting screw**
- ③ **Mounting and positioning**
  - possible from several sides
- ④ **Robust, lightweight and extremely flat structure housing**
  - Hard-coated aluminum alloy
- ⑤ **Mounting groove for magnetic field sensor**
  - integrated, space saving position sensing
- ⑥ **Drive**
  - double-acting pneumatic cylinder
- ⑦ **Linear guide with recirculating ball and wiper**
  - dual linear guidance for high forces and moments capacity
- ⑧ **Intake flange**
  - simple application connection

## ► TECHNICAL DATA

Installation size	Stroke [mm]	Pressure force max. [N]	Retraction force [N]	Weight [kg]	IP class
LSF25	50 - 100	265	220	1 - 1,3	IP40

## ► FURTHER INFORMATION IS AVAILABLE ONLINE



All information just a click away at: [www.zimmer-group.com](http://www.zimmer-group.com). Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.