

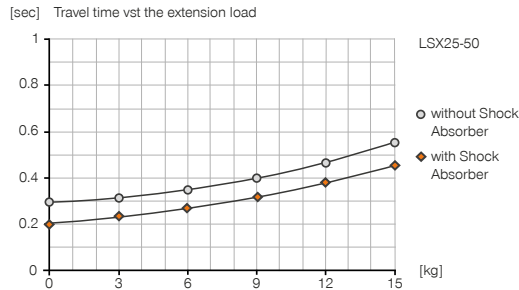
LINEAR RAIL SLIDES

LSX25-50

PRODUCT SPECIFICATIONS

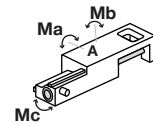


Time diagram



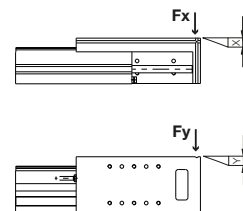
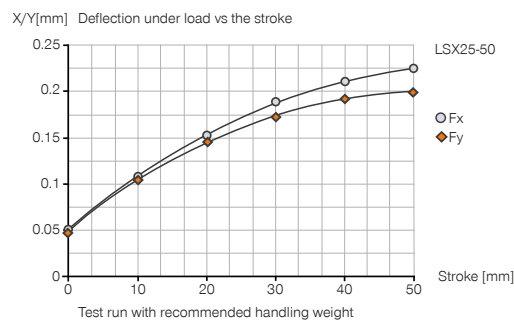
Forces and moments

Max allowable static forces and moments on face A.



Ma [Nm]	55
Mb [Nm]	55
Mc [Nm]	55

Load diagram



RECOMMENDED ACCESSORIES



ENERGY SUPPLY



DRV1-8X6
Flow Control Valves - with Swivel joint



SENSORS



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



APLSX25G
Adapter plate



CONNECTIONS / OTHER



APLSX25V
Adapter plate



PHE12X10NSDE-A
Industrial shock absorbers PowerStop



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



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

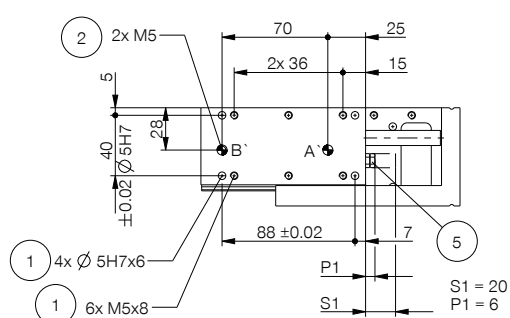


S8-G-3
Plug-in connector customizable Straight - Connector M8

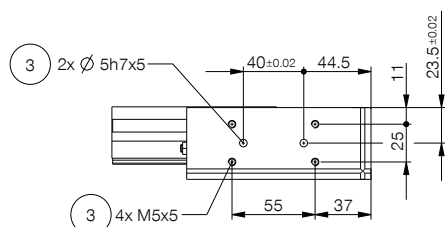
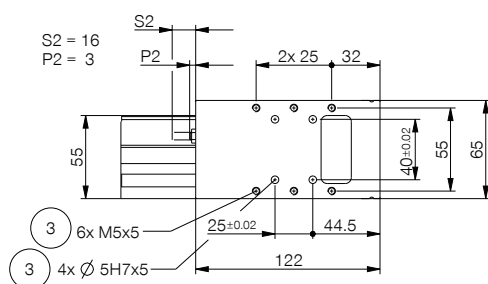
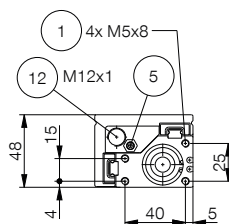
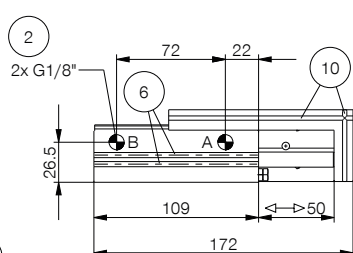
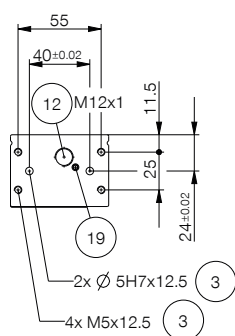


S12-G-3
Plug-in connector customizable Straight - Connector M12

Order no.	Technical data
	LSX25-50
Stroke [mm]	50
Pressure force max. [N]	265
Retraction force [N]	220
Recommended handling weight [kg]	15
Piston diameter [mm]	25
Guide rail size [mm]	18
Nominal operating pressure [bar]	6
Operating temperature min. [°C]	5
Operating temperature max. [°C]	+80
Air volume per cycle [cm³]	45
Weight [kg]	0.9



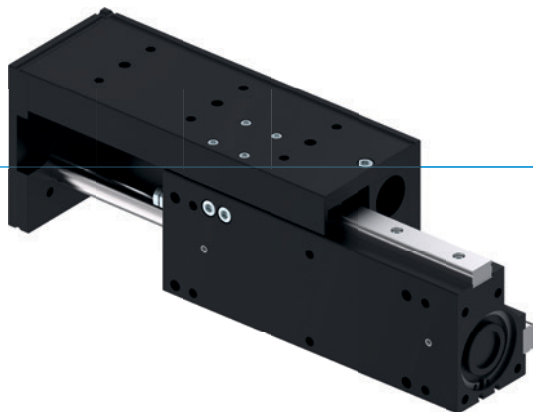
- ① Fixing linear cylinder
- ② Energy supply
- ③ Fixing application
- ⑤ Stop screw for stroke limitation
- ⑥ Mounting groove for magnetic field sensor
- ⑩ Groove for base plate
- ⑫ Intake for shock absorbers
- ⑲ Through hole for shock absorber clamping
- A Air connection (retract)
- B Air connection (extend)
- A Air connection, alternative (retract)
- B Air connection, alternative (extend)



LINEAR RAIL SLIDES





SERIES LSX

▶ PRODUCT ADVANTAGES



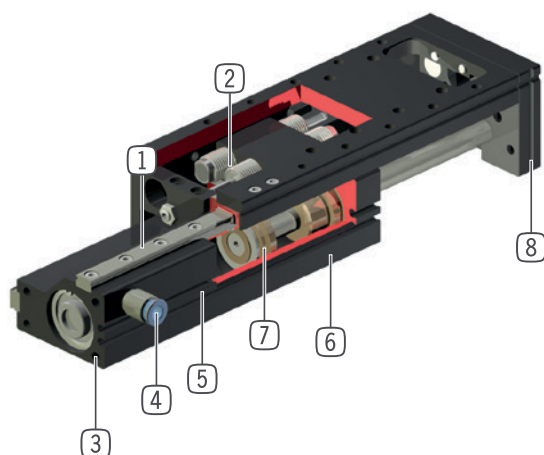
- ▶ **Precise double rail profile guide**
The linear guide with ball bearing circulation and scrapers provides high precision and rigidity
- ▶ **Dampened end position**
By using PowerStop shock absorbers, you can gently move up to the end positions, increasing the process reliability and durability of your application
- ▶ **Failure-free continuous operation**
Our uncompromising “Made in Germany” quality guarantees up to 10 million maintenance-free cycles

▶ SERIES CHARACTERISTICS

Installation size	
LSXYY-YY	
 10 million maintenance-free cycles (max.)	●
 Magnetic field sensor	●
 Powerstop end position damping	●
 IP40	●



► BENEFITS IN DETAIL



- 1 Linear guide with recirculating ball and wiper**
 - two way linear guide for forces and moments capacity
- 2 Patented, hydraulic shock absorber**
 - adjustable end position damping
 - included in scope of delivery
- 3 Mounting and positioning**
 - mounting possible from several sides for versatile positioning
- 4 Energy supply**
 - possible from several sides
- 5 Mounting groove for magnetic field sensor**
 - integrated, space saving position sensing
- 6 Robust, lightweight housing**
 - Hard-coated aluminum alloy
- 7 Drive**
 - double-acting pneumatic cylinder
- 8 Intake flange**
 - quick and cost-effective positioning of adapter plates: Accessory, Art. No. AP...G and AP...V

► TECHNICAL DATA

	Stroke	Pressure force max.	Retraction force	Weight	IP class
Installation size	[mm]	[N]	[N]	[kg]	
LSX25	50 - 200	265	220	1 - 1,9	IP40
LSX40	100 - 200	750	680	3,2 - 4,4	IP40

► FURTHER INFORMATION IS AVAILABLE ONLINE



All information just a click away at: 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.