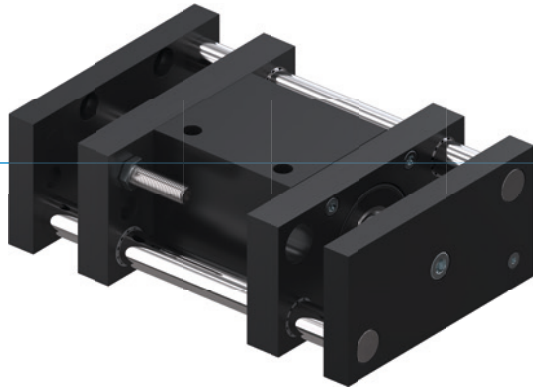


# LINEAR CYLINDERS

## SERIES LI

### ▶ PRODUCT ADVANTAGES



#### ▶ Large locating flange

The large mounting surface simplifies your design and allows secure attachment of follow-on tools









#### ▶ 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

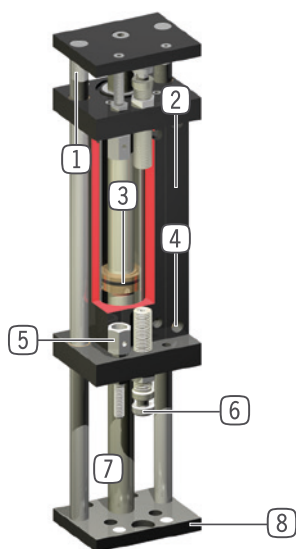
Our uncompromising “Made in Germany” quality guarantees up to 10 million maintenance-free cycles

### ▶ SERIES CHARACTERISTICS

Installation size		Version		
LIXX			D	S
	2 way guiding			•
	3 way guiding		•	
	Continuous piston rod		•	
	10 million maintenance-free cycles (max.)	•	•	•
	Inductive sensor	•	•	•
	Elastomer end position damping	•	•	•
	Powerstop end position damping	•	•	•
	IP 54	•	•	•



## ► BENEFITS IN DETAIL



- ① **Guide rod**
  - hardened, polished steel shaft
- ② **Mounting block**
  - mounting for inductive proximity switch
- ③ **Drive**
  - double-acting pneumatic cylinder
- ④ **Energy supply**
  - reducing exhaust air is recommended
- ⑤ **End stop confirmation screw**
  - direct flange position sensing
  - included in scope of delivery
- ⑥ **End position damping**
  - with elastomer absorber or patented hydraulic shock absorber
- ⑦ **Piston rod**
  - polished, hard chrome plated steel
  - continuous in design D
- ⑧ **Intake flange**
  - for connection to application-specific adapter plate (to be supplied by the customer)

## ► TECHNICAL DATA

Installation size	Stroke [mm]	Pressure force max. [N]	Retraction force [N]	Weight [kg]	IP class
LI16	20 - 50	80 - 100	80	0,05 - 0,1	IP54
LI30	15 - 90	200 - 270	200	0,05 - 0,1	IP54
LI40	40 - 300	270 - 450	270	0,05 - 0,3	IP54
LI50	50 - 300	950	950	0,03 - 0,2	IP54

## ► 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.

# LINEAR CYLINDERS

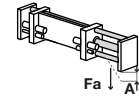
## INSTALLATION SIZE LI40

### ► PRODUCT SPECIFICATIONS



#### ► Forces and moments

Max allowable static forces and moments.



### ► RECOMMENDED ACCESSORIES



#### ENERGY SUPPLY



**DRV5X4**  
Flow Control Valves - with Swivel joint



#### SENSORS



**NJ12-E2S**  
Inductive proximity switch, M12



#### CONNECTIONS / OTHER



**AP40**  
Adapter plate



**AD-M10X1**  
Shock Absorbers



#### CONNECTIONS / OTHER



**HV40**  
Absorber intake



**PHE14X15NSDE-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)



**ZE20H7X4**  
Centering Disc

Order no.	► Technical data	
	LI40-40	LI40-90
Stroke [mm]	40	90
Pressure force max. [N]	450	450
Retraction force [N]	270	270
Travel time without external load [s]	0.08	0.2
Nominal operating pressure [bar]	6	6
Operating temperature min. [°C]	5	5
Operating temperature max. [°C]	+80	+80
Air volume per cycle [cm³]	50	117
Approvals	LABS / REACH / RoHS	LABS / REACH / RoHS
Protection to IEC 60529	IP54	IP54
Weight [kg]	0.81	1.2
Load Fa max. [N]	80	30
Max. deflection A [mm]	0.05	0.05

