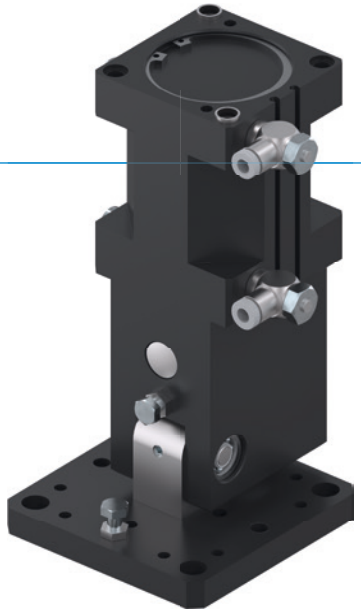
ANGLE PIVOT UNITS
SERIES SWM1000

▶ PRODUCT ADVANTAGES



“The slim”

▶ **Optimised design**

Adjusted to a gantry axle, you can integrate the unit in your machine loading system to save space

▶ **Large locating flange**

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

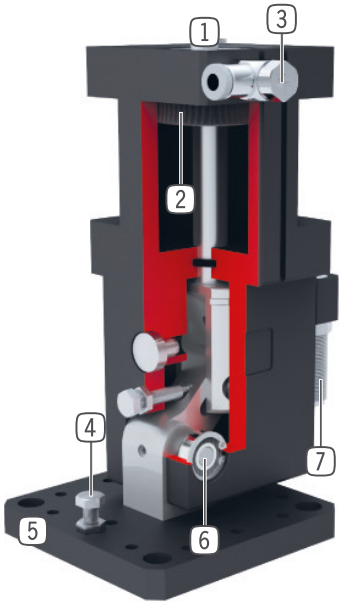
▶ **Failure-free continuous operation**

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

▶ SERIES CHARACTERISTICS

	Installation size
	SWM10XX
10 million maintenance-free cycles (max.)	●
IP30	●
Magnetic field sensor	●
Powerstop end position damping	●
Positionability - 2 positions	●

▶ BENEFITS IN DETAIL



1 **Mounting and positioning**

2 **Drive**
- double-acting pneumatic cylinder

3 **Air flow control valve**
- for speed regulation
- included in scope of delivery

4 **Adjustable end position**
- +/- 3° adjustable end position

5 **Intake flange**
- for connection to application-specific adapter plate (to be supplied by the customer)

6 **Force transfer 90° pivoting**
- toggle lever principle

7 **Patented, hydraulic shock absorber**
- adjustable end position damping

▶ TECHNICAL DATA

Installation size	Swivel angle [°]	Torque [Nm]	Weight [kg]	IP class
SWM1035	90	7 - 10	0.93	IP30
SWM1045	90	14 - 21	1.2	IP30
SWM1054	90	29 - 40	3.3	IP30
SWM1063	90	39 - 64	3.5	IP30
SWM1080	90	88 - 150	5.5	IP30

▶ FURTHER INFORMATION IS AVAILABLE ONLINE

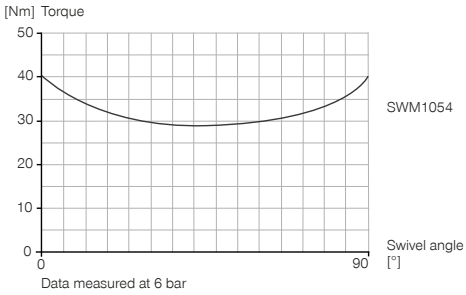
All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

ANGLE PIVOT UNITS
INSTALLATION SIZE SWM1054

▶ PRODUCT SPECIFICATIONS

▶ Moment of inertia

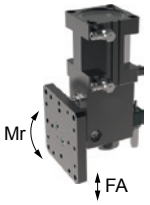
Shows the torque when lifting vs the swivel angle.



Data measured at 6 bar

▶ Forces and moments

Indicates the static load on the bearing.



Fa [N]	400
Mr [Nm]	30

▶ INCLUDED IN DELIVERY

2 [piece]
Flow Control Valves - with Swivel joint
DRV1-8X6

2 [piece]
Centering Disc
DST11500

▶ RECOMMENDED ACCESSORIES

ENERGY SUPPLY

DSV1-8
Pressure safety valve

DSV1-8E
Pressure safety valve with quick exhaust

SENSORS

MFS01-K-KHC-P1-PNP
Magnetic field sensor angled, cable 5 m

MFS01-S-KHC-P1-PNP
Magnetic field sensor angled, cable 0.3 m - M8 connector

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

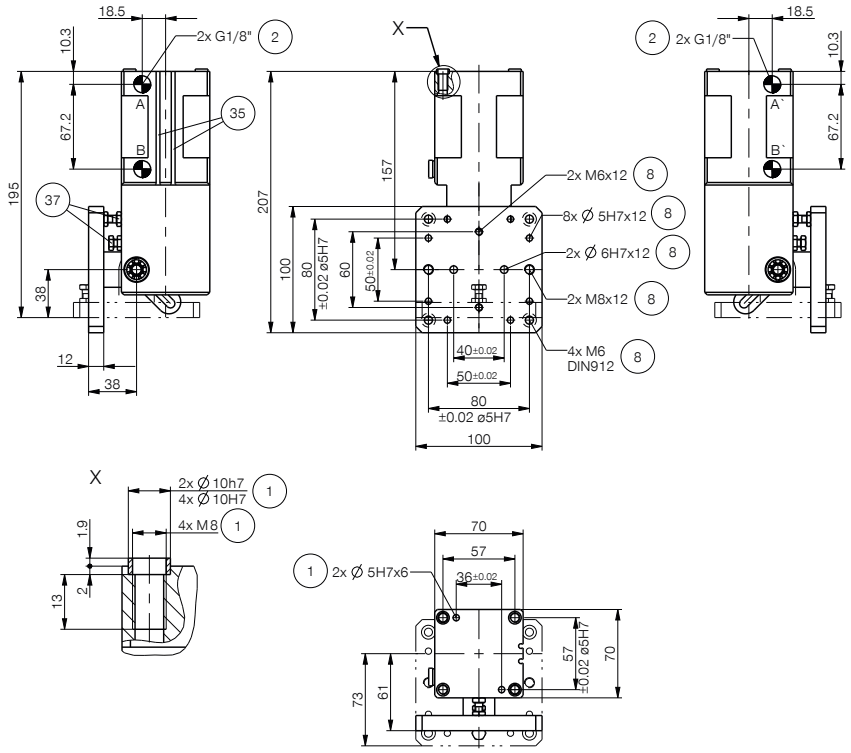
ANS0048
Attachment Kit

PHE12X10NHDE-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

Technical data	
Order no.	**SWM1054**
Swivel angle [°]	90
Swivel angle regulable +/- [°]	3
Torque 0° [Nm]	40
Torque 45° [Nm]	29
Torque 90° [Nm]	40
Repetition accuracy +/- [°]	0.01
Swivel time without extension load [s]	0.5
Operating pressure min. [bar]	3
Operating pressure max. [bar]	8
Nominal operating pressure [bar]	6
Operating temperature min. [°C]	5
Operating temperature max. [°C]	+80
Air volume per cycle [cm³]	215
Protection to IEC 60529	IP30
Weight [kg]	3.3

① Fixings for swivel unit
② Energy supply
⑧ Fixing tool side
㉟ Integrated slot for magnetic field sensor
㊲ Adjusting screw end position