

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

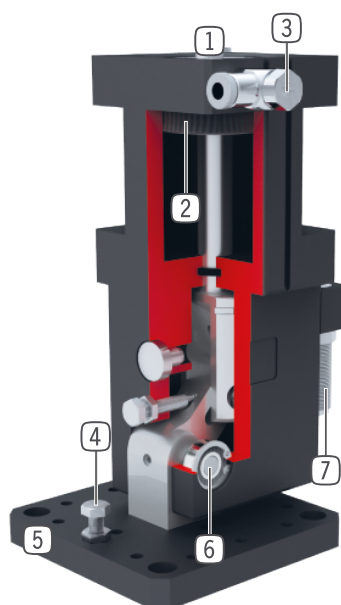
Our uncompromising “Made in Germany” quality guarantees up to 10 million maintenance-free cycles

► 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	0.65	IP30
SWM1045	90	14 - 21	1.2	IP30
SWM1054	90	29 - 40	2.3	IP30
SWM1063	90	39 - 64	3.5	IP30
SWM1080	90	88 - 150	5.8	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



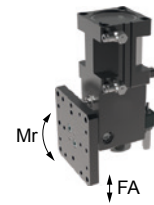
► Moment of inertia

Shows the torque when lifting vs the swivel angle.



► 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



M12X1H
Shock Absorbers



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
Weight [kg]	2.3

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

