ROTARY CYLINDERS SERIES SH

PRODUCT ADVANTAGES



"The flexible"

Movable to four positions

The two separately or jointly controlled rotors provide you with the greatest flexibility in positioning your workpieces

High torque rating

The optimal ratio of installation space and torque reduces interference contours and creates precious space in your application

➤ 360° swivel angle

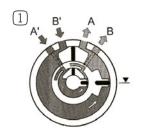
Do you want your application to be flexible and individualised? The infinitely variable 360° adjustable swivel angle lets you!

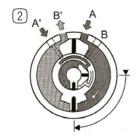
> SERIES CHARACTERISTICS

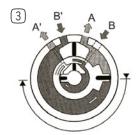
Installation size		
	SH-XX	
1.5 million maintenance-free cycles (max.)	•	
IP 54 IP54	•	
Positionability - 4 positions	•	
Adjustable swivel angle	•	

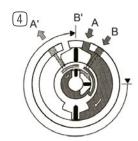


BENEFITS IN DETAIL









1 0-position

- High-pressure air in 1B and 2B: Internal- and external blades go to the 0-position

2 First 90°-intermediate adjustment

 High-pressure air A and A': The external blade swivel up to the external limit stop (Stopper) at 90 °.

3 Second 90°-intermediate setting

 High-pressure air B and B': The external blade swivels with the internal 90° limit stop to the 0-position. The internal blade swivel 180° set opposite each other.

4 Third 90°-intermediate adjustment

- High-pressure air A and B: The external blade swivels with the internal blade in the movement direction at 90°.

► TECHNICAL DATA

	Swivel angle	Torque	Weight	IP class
Installation size	[°]	[Nm]	[kg]	
SH-5	360	0,59 - 2,73	0.54	IP54
SH-20	360	2,35 - 7,2	1.2	IP54

► FURTHER INFORMATION IS AVAILABLE ONLINE



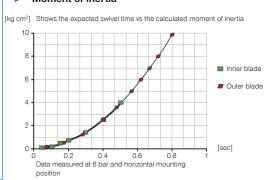
All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

ROTARY CYLINDERS INSTALLATION SIZE SH-5

► PRODUCT SPECIFICATIONS



Moment of inertia



Forces and moments

Shows the maximum static shaft load.



FY [N]	30
FZ [N]	60

► RECOMMENDED ACCESSORIES



ENERGY SUPPLY



ENERGY SUPPLY



GVM5

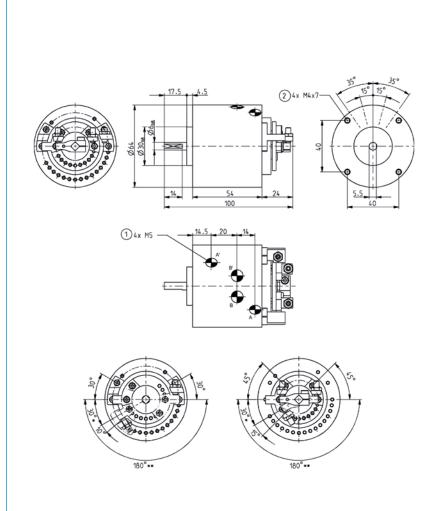
Straight Fittings - Quick Connect Style



DRVM5X4

Flow Control Valves - with Swivel joint

	► Technical data
Order no.	SH-5
Swivel angle [°]	360
Torque outer blade [Nm]	2.73
Torque inner blade [Nm]	0.59
Swivel time outer blade [s]	0.8
Swivel time inner blade [s]	0.5
Repetition accuracy +/- [°]	3
Operating pressure min. [bar]	3
Operating pressure max. [bar]	7
Nominal operating pressure [bar]	6
Air volume per cycle outer blade [cm³]	14
Air volume per cycle inner blade [cm3]	56
Protection to IEC 60529	IP54
Weight [kg]	0.54





① Energy supply
② Fixing Rotor
④ internal air connection 0°-180°
B internal air connection 180°-0°
④ external air connection 0°-180° (alternativ)
B external air connection 180°-0° (alternativ)
④ external blade
B internal blade
Swivel angle min. 30°
* * Swivel angle max. 180°

