

# ROTARY CYLINDERS

## SERIES SH





### ▶ PRODUCT ADVANTAGES



#### “The flexible”

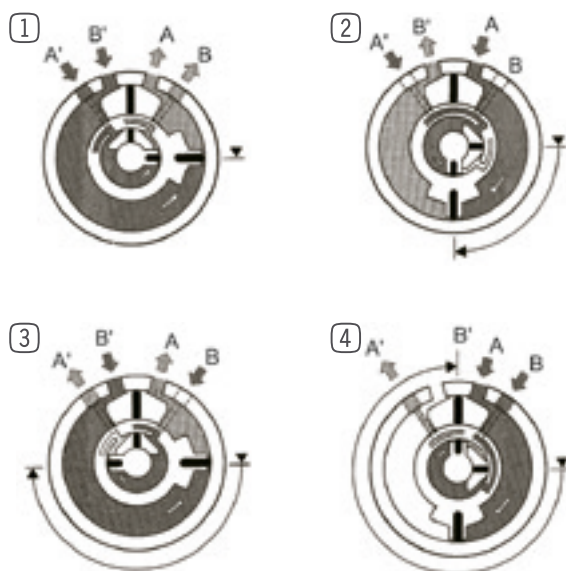
- ▶ **Movable to four positions**  
The two separately or jointly controlled rotors provide you with the greatest flexibility in positioning your work-pieces
- ▶ **High torque rating**  
The optimal ratio of installation space and torque reduces interference contours and creates precious space in your 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	
<div>  <div>1.5 million maintenance-free cycles (max.)</div> </div>	•
<div>  <div>IP54</div> </div>	•
<div>  <div>Positionability - 4 positions</div> </div>	•
<div>  <div>Adjustable swivel angle</div> </div>	•



## ► 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	0.52	IP54
SH-20	360	2,35 - 7,2	1.13	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.

# ROTARY CYLINDERS

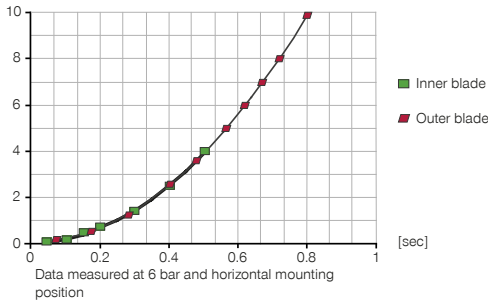
## INSTALLATION SIZE SH-5

### PRODUCT SPECIFICATIONS



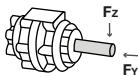
#### Moment of inertia

[kg cm<sup>2</sup>] Shows the expected swivel time vs the calculated moment of inertia



#### Forces and moments

Shows the maximum static shaft load.



FY [N]	30
FZ [N]	60

### RECOMMENDED ACCESSORIES



#### ENERGY SUPPLY



**GVM5**  
Straight Fittings - Quick Connect Style

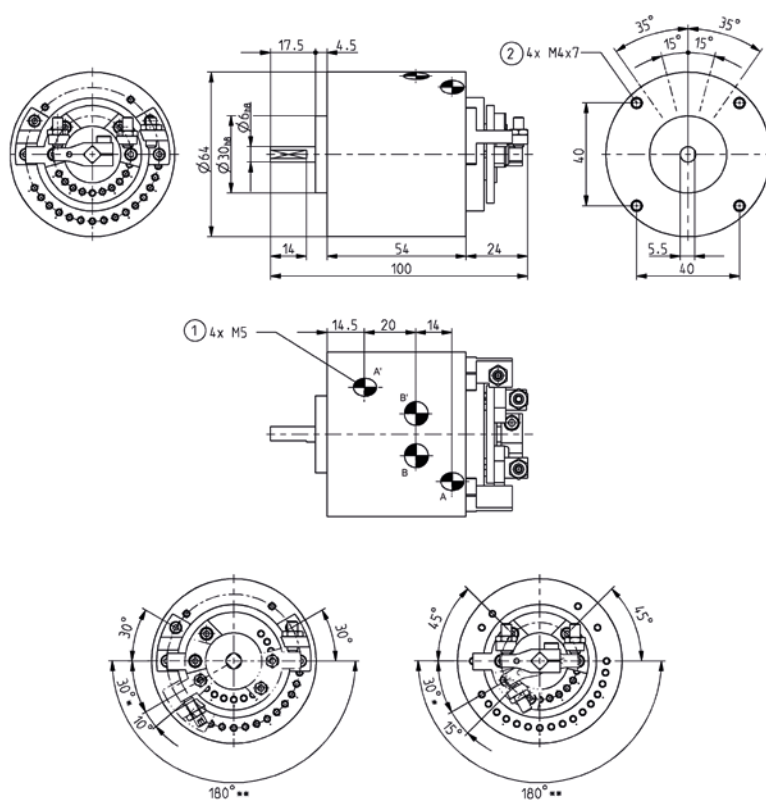


#### ENERGY SUPPLY



**DRVM5X4**  
Flow Control Valves - with Swivel joint

Order no.	Technical data
	<b>SH-5</b>
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
Weight [kg]	0.52



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