

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

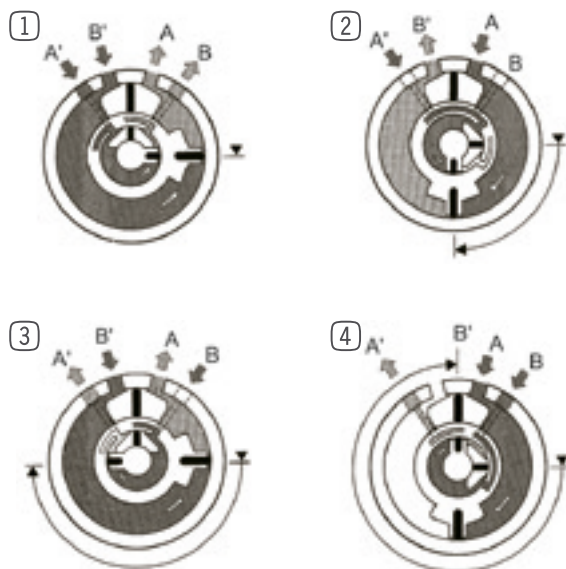
Installation size

SH-XX

| | |
|---|---|
|  1.5 million maintenance-free cycles (max.) | ● |
|  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

| Installation size | Swivel angle [°] | Torque [Nm] | Weight [kg] | IP class |
|-------------------|---------------------|----------------|----------------|----------|
| 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. 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.

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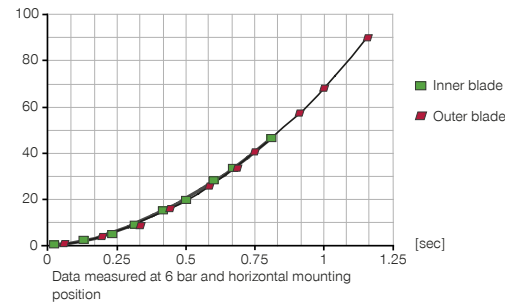
INSTALLATION SIZE SH-20

▶ PRODUCT SPECIFICATIONS



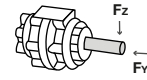
▶ Moment of inertia

[kg cm²] Shows the expected swivel time vs the calculated moment of inertia



▶ Forces and moments

Shows the maximum static shaft load.



| | |
|--------|-----|
| FY [N] | 125 |
| FZ [N] | 255 |

▶ RECOMMENDED ACCESSORIES



ENERGY SUPPLY



GV1-8X8
Straight Fittings - Quick Connect Style



ENERGY SUPPLY



DRV1-8X6
Flow Control Valves - with Swivel joint

| Order no. | SH-20 |
|---|-------|
| Swivel angle [°] | 360 |
| Torque outer blade [Nm] | 7.2 |
| Torque inner blade [Nm] | 2.35 |
| Swivel time outer blade [s] | 1.1 |
| Swivel time inner blade [s] | 0.8 |
| Repetition accuracy +/- [°] | 3 |
| Operating pressure min. [bar] | 3 |
| Operating pressure max. [bar] | 7 |
| Nominal operating pressure [bar] | 6 |
| Air volume per cycle outer blade [cm ³] | 72 |
| Air volume per cycle inner blade [cm ³] | 23 |
| Weight [kg] | 1.13 |

► Technical data

