

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

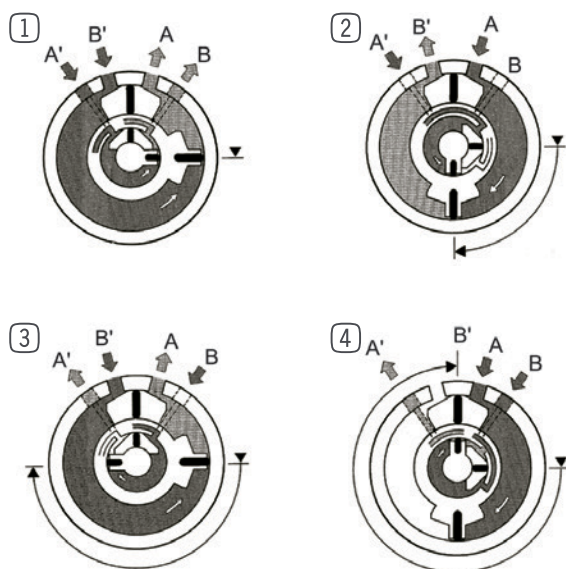


Adjustable swivel angle





► 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

	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

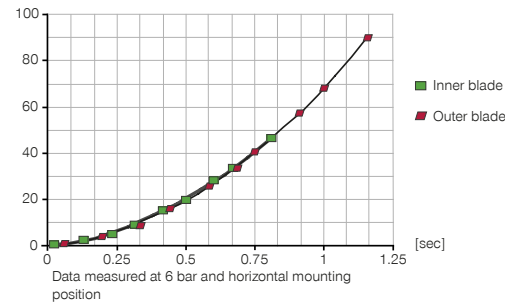
INSTALLATION SIZE SH-20

▶ PRODUCT SPECIFICATIONS



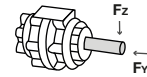
▶ Moment of inertia

[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.	▶ Technical data
	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
Protection to IEC 60529	IP54
Weight [kg]	1.2

