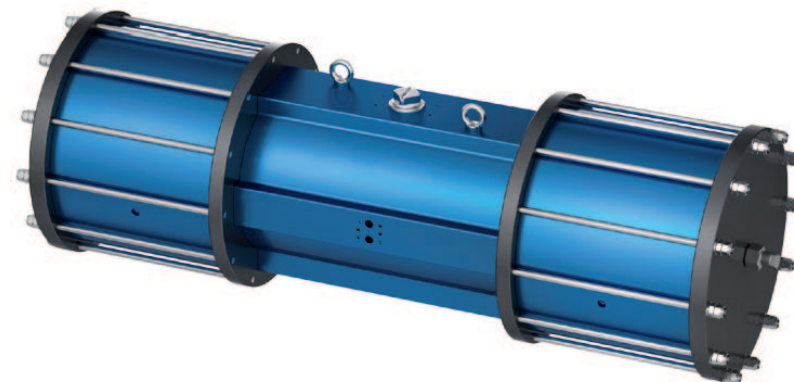


## DOUBLE-PISTON QUARTER TURN ACTUATORS

### TYPE SADF - M 180° **BR03C**

#### Technical Data

<b>Design :</b>	Pneumatic double-piston 180° actuator with a 90° middle position
<b>Design features :</b>	Rack-and-pinion system, piston guide via guide rods
<b>Angle of rotation :</b>	Fixed rotation angle 0° to 180° (normal operation) Spring fixed 90° middle position
<b>Air pressure supply :</b>	min. 2 bar, max. 8 bar
<b>Operating medium :</b>	Dry and filtered compressed air
<b>Ambient temperature :</b>	-25°C to +80°C
<b>Mounting position :</b>	any
<b>Resistance to corrosion :</b>	Industrial atmosphere
<b>Lubrication :</b>	Life time lubrication with grease ISO 51825-K2K-30
<b>Seals :</b>	NBR-O-Rings, 70 Shore
<b>Coatings :</b>	Housing anodized and colour sealed End caps - CED Cathodic electrodeposition
<b>Maintenance and inspection :</b>	AMG actuators are free of maintenance within the life time. Provided that: <ul style="list-style-type: none"><li>• the actuator is properly mounted</li><li>• the operating medium used is clean and non-aggressive</li><li>• the actuator is operated under normal ambient conditions</li><li>• the actuator is used in compliance with the intended use (see assembly and maintenance manual)</li></ul>
<b>Applied standard:</b>	DIN EN ISO 5211, DIN EN 15714-3, VDI / VDE 3845, DIN 79



**SADF - M 180°**

AMG-**PESCH**®



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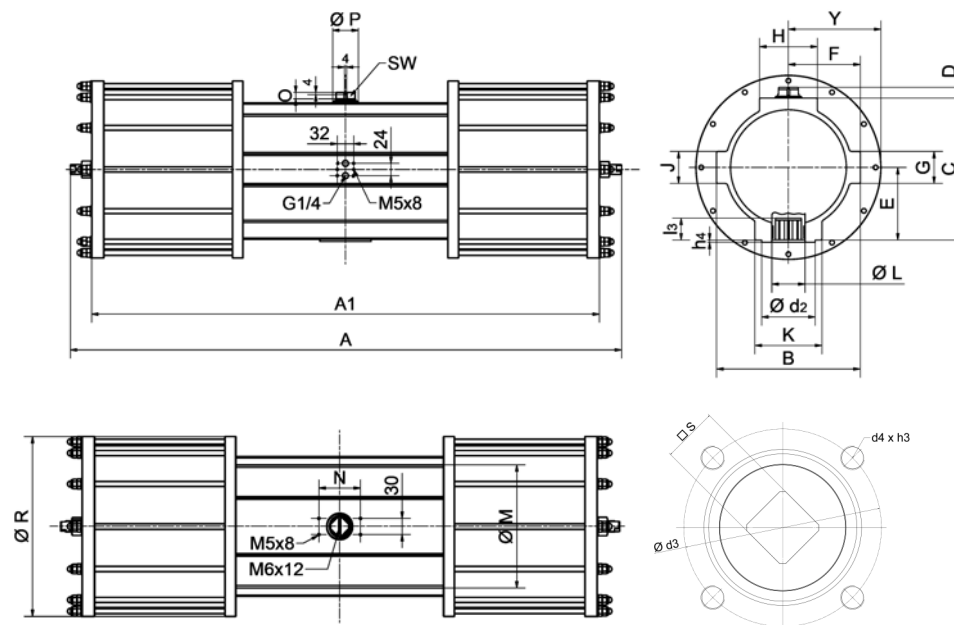
# DOUBLE-PISTON QUARTER TURN ACTUATORS

## TYPE SADP - M 180° **BR03C**

Size	35
Weight [kg]	
Type SADP - M	100
Stroke volume [dm³]	
Type SADP - M	21,6
Operating times [sec.] <sup>1)</sup>	
Type SADP - M <sup>2)</sup> OPEN	3,3
Type SADP - M <sup>2)</sup> CLOSE	3,3

1) operating times at 4,5 bar air pressure supply without load (standard values)

2) Type SADP-M with 24 springs



Type	number of springs n	spring-torque		air torque Ma [Nm] at operating pressure pe [bar]																									
		Ms [Nm]		2 bar		2,5 bar		3 bar		3,5 bar		4 bar		4,5 bar		5 bar		5,5 bar		6 bar		6,5 bar		7 bar		7,5 bar		8 bar	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
SADF-M 35	-	-		221		286		350		413		478		543		607		671		736		801		863		925		986	
	12	261	432																										
	14	305	504																										
	16	352	576																										
	20	440	720																										
	22	484	792																										
	24	528	864																										
	28	616	1008																										
	30	660	1080																										
	32	704	1152																										

Design	SADP - M
Size	35
A	1015
A1	929
B	218
C	217
D	20
E	112
F	109
G	50
H	90
K	108
Ø L	62
J	50
Ø M	192
N	80
O	12
Ø P	50
Ø R	300
Y	150
SW	30
Connection ISO 5211	F12
Ø d <sub>2</sub>	85
Ø d <sub>3</sub>	125
d <sub>4</sub> x h <sub>3</sub>	M12x20
Number of screws	4
h <sub>4</sub>	3
l <sub>3</sub>	30
s	27

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