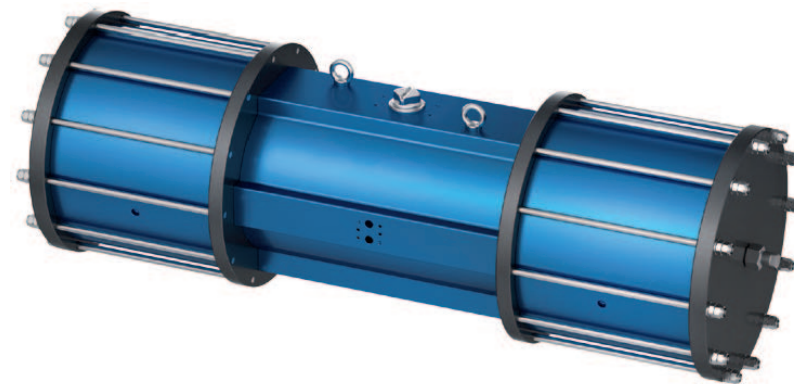


## DOUBLE-PISTON QUARTER TURN ACTUATORS

### TYPE SADP - M 180°

#### 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



**SADP - M 180°**

AMG-**PESCH**®



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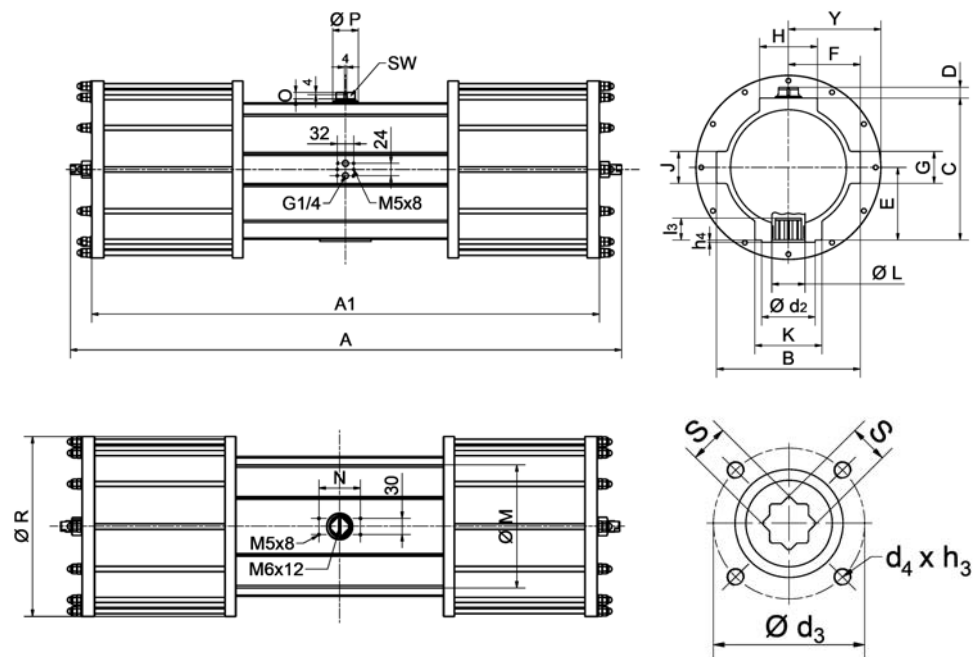
# DOUBLE-PISTON QUARTER TURN ACTUATORS

## TYPE SADF - M 180°

Size	40
Weight [kg]	
Type SADF - M	140
Stroke volume [dm³]	
Type SADF - M	34,5
Operating times [sec.] <sup>1)</sup>	
Type SADF - M <sup>2)</sup> OPEN	5,3
Type SADF - M <sup>2)</sup> CLOSE	5,3

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

2) Type SADF-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 40	-	-		336		435		534		629		727		827		924		1022		1121		1220		1314		1408		1502	
	12	398	665																										
	14	465	776																										
	16	528	880																										
	20	660	1100																										
	22	726	1210																										
	24	792	1320																										
	28	924	1540																										
	30	990	1650																										
	34	1122	1870																										
	36	1188	1980																										

SUBJECT TO TECHNICAL MODIFICATION

Design	SADF - M
Size	40
A	1080
A1	992
B	268
C	266
D	20
E	136
F	134
G	60
H	108
K	125
Ø L	62
J	60
Ø M	236
N	80
O	12
Ø P	50
Ø R	345
Y	173
SW	30
Connection ISO 5211	F14
Ø d2	100
Ø d3	140
d4 x h3	M16x25
Number of screws	4
h4	4
l3	40
s	36

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