



Technical Data

Construction : pneumatic double-piston quarter turn actuator
 Features : Rack-and-pinion system, piston guide via guide rods
 Angle of rotation : 90°
 Pressure range : min. 2 bar, max. 10 bar
 Operating medium : Dry and filtered compressed air or any non-aggressive gaseous medium and hydraulic oil (on request)

Ambient temperature : -20°C up to +80°C
 Mounting position : Any
 Resistance to corrosion : Atmospheric industrial
 Lubrication : permanent lubrication with lubricating grease DIN 51825-K2K-30

Seals : Perbunan-o-rings, 70 Shore
 Coating : Housing/End cap: GLISS-COAT
 Weight [kg] : SAD 30 12,0
 SAF 30 * 13,5

Stroke volume [dm³] : SAD 30 2,8
 SAF 30 1,5

Operating time [sec] ¹⁾ : SAD 30 Open 0,5
 SAD 30 Shut 0,5
 SAF 30 * Open 0,5
 SAF 30 * Shut 0,3

Maintenance and Inspection : AMG actuators are maintenance-free
 Provided that :
 • the actuator is properly mounted
 • the operating medium used is clean and non-aggressive
 • the actuator is operated under normal ambient conditions

1) Operating times at 4,5 bar operating pressure and without load (standard values)
 * Type SAF with 9 springs

DIE PESCHGRUPPE



Type	Torque M_A (Nm) at operating pressure p_e													
	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	
SAD 30	89	116	143	169	196	222	249	276	302	328	354	381	407	

p_e	2 bar		2,5 bar		3 bar		3,5 bar		4 bar		4,5 bar		5 bar		5,5 bar		6 bar		7 bar			
	Number of springs n		4		5		6		7		8		9		10		11		12		14	
Type SAF	Air torque M_A (Nm) at operating pressure p_e = spring torque M_s																					
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
30	36	60	45	74	54	89	63	104	71	119	80	134	89	149	98	164	107	179	125	208		

At the required operating pressure p_e and our recommended number of springs for this pressure, then the air torque and spring torques are identical.

© Subject to technical modification.

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AMG DOUBLE-PISTON QUARTER TURN ACTUATORS
TYPE SAD/SAF 30 F10V