



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 50 126 SAF 50 * 190
Stroke volume [dm ³] :	SAD 50 41,3 SAF 50 22,5
Operating time [sec] ¹⁾ :	SAD 50 Open 7,0 SAD 50 Shut 7,0 SAF 50 * Open 11,0 SAF 50 * Shut 5,0
Maintenance and Inspection :	AMG actuators are maintenance-free Provided that : <ul style="list-style-type: none"> • 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_o															
	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	1556	2014	2472	2930	3388	3846	4304	4762	5219	5677	6135	6593	7051			

p_o	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_o = 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
50	622	1036	777	1295	933	1554	1088	1814	1244	2073	1399	2332	1555	2591	1710	2850	1866	3109	2177	3627		

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