



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 45 75,0 SAF 45 * 102
Stroke volume [dm ³] :	SAD 45 23,2 SAF 45 12,8
Operating time [sec] ¹⁾ :	SAD 45 Open 4,0 SAD 45 Shut 4,0 SAF 45 * Open 7,0 SAF 45 * Shut 3,0
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_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	869	1124	1379	1635	1890	2146	2401	2657	2912	3168	3423	3678	3933
45	869	1124	1379	1635	1890	2146	2401	2657	2912	3168	3423	3678	3933

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
45	352	587	440	734	528	881	616	1027	705	1174	793	1321	881	1468	969	1614	1057	1761	1233	2055		

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.