



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 42 33,5
 SAF 42 * 48,5

Stroke volume [dm³] : SAD 42 16,6
 SAF 42 8,9

Operating time [sec] ¹⁾ : SAD 42 Open 2,5
 SAD 42 Shut 2,5
 SAF 42 * Open 5,0
 SAF 42 * Shut 2,0

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	534	691	848	1005	1163	1320	1477	1634	1791	1948	2105	2262	2419	
42	534	691	848	1005	1163	1320	1477	1634	1791	1948	2105	2262	2419	

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
42	212	353	265	441	318	530	371	618	424	706	477	794	530	883	583	971	636	1059	742	1236		

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.