



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 35 18,5
 SAF 35 * 26,0

Stroke volume [dm³] : SAD 35 6,4
 SAF 35 3,5

Operating time [sec] ¹⁾ : SAD 35 Open 1,0
 SAD 35 Shut 1,0
 SAF 35 * Open 2,0
 SAF 35 * Shut 1,0

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	220	284	348	413	477	542	606	671	735	800	864	929	993	
35														

Type SAF	Air torque M_A (Nm) at operating pressure p_e = spring torque M_s																			
	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	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
35	87	145	109	181	131	218	152	254	174	290	196	326	218	363	239	399	261	435	305	508

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 35 F12V