

Technical Data for OPEN - CLOSE Duty

auma [®]		Technical Data OPEN-CLOSE Duty						SAEx3 - SAEx100					
Model	Output Speed at 50Hz rpm	Torque Range ¹⁾ S ₂ -15min		Running Torque ²⁾ S ₂ -15min Nm	Valve Attachment		Stem Dia. O/P drive Type A Max.mm	Permissible Thrust for Type A Max. kN	Hand Wheel Dia. Std. mm	Hand Wheel Ratio		Weight approx.	
		Min.Nm	Max.Nm		Standard DIN:3210	Option ISO:5210				Std.	With TBG*	Std. kg	With TBG* kg
SAEx 3	11	20	30	11	G 0	F10	26	25	250	1:1	2:1	63	69
	16												
	22												
	32												
	45												
	63												
	90												
	125 ³⁾												
180 ³⁾													
SAEx 6	4	20	60	21	G 0	F10	26	40	250	1:1	2:1	63	69
	5.6												
	8												
	11												
	16												
	22												
	32												
	45												
	63												
	90												
	125 ³⁾												
180 ³⁾													
SAEx 12	4	50	120	42	G 0	F10	38	60	250	1:1	2:1	63	69
	5.6												
	8												
	11												
	16												
	22												
	32												
	45												
	63												
	90												
	125 ³⁾												
180 ³⁾													
SAEx 15	4	50	150	53	G 0	F10	38	60	250	1:1	2:1	63	69
	5.6												
	8												
	11												
	16												
	22												
	32												
	45												
63													
SAEx 25	4	100	250	88	G ½	F14	52	120	360	1:1	3:1	92	107
	5.6												
	8												
	11												
	16												
	22												
	32												
	45												
	63												
	90												
	125 ³⁾												
180 ³⁾													
			220										

- 1) Tripping torque adjustable for both direction .
 2) Permissible average torque for the whole travel .
 3) Non Self locking .

We reserve the right to alter data according to improvements made. Previous data sheets become invalid with the issue of this data sheet.

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Model	Output Speed at 50Hz rpm	Torque Range ¹⁾ S ₂ -15Min.		Running Torque ²⁾ S ₂ -15min Nm	Valve Attachment		Stem Dia. O/P drive Type A Max.mm	Permissible Thrust for Type A Max. kN	Hand Wheel Dia. Std. mm	Hand Wheel Ratio		Weight approx.	
		Min.Nm	Max.Nm		Standard DIN:3210	Option ISO:5210				Std.	With TBC*	Std. kg	With TBC*
SAEx 30	4	100	300	105	G ½	F 14	52	120	360	1:1	3:1	91	107
	5.6												
	8												
	11												
	16												
	22												
	32												
	45												
	63												
	90												
	125 ³⁾	264											
180 ³⁾													
SAEx 50	4	200	500	175	G ½	F 14	52	160	640	1:1	3:1	94	111
	5.6												
	8												
	11												
	16												
	22												
	32												
	45												
	63												
	90												
	125 ³⁾	450											
180 ³⁾													
SAEx 60	4	200	600	210	G ½	F 14	52	160	640	1:1	3:1	94	111
	5.6												
	8												
	11												
	16												
	22												
	32												
	45												
	63												
	90												
	125 ³⁾	540											
180 ³⁾													
SAEx 100	4	400	1000	350	G 3	F 16	65	190	800	1:1	4:1	153	174
	5.6												
	8												
	11												
	16												
	22												
	32												
	45												
	63												
	90												
	125 ³⁾	900											
180 ³⁾													

Explosion protection : Group IIA, IIB - IS/ IEC 60079-1
 Enclosure : IP65 / IP67 / IP68 - IS/ IEC 60947
 Temperature class : T4 - IS/ IEC 60079-0

Actuators are rated for short time duty S2 - 15 min, based on 40° C ambient temperature. The nominal Current is based on running torque approximately 35% of max. torque. The max. torque can be utilised for a short time (e.g. to seat or unseat a valve) and the current can rise to max. value, refer corresponding column for current at max. torque in Electrical Data Note : Revolution for Full Stroke (Min./Max.) - 1 - 480 or 1 - 4800; * - Top Bevel Gear Set.

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