

De-clutchable Quarter-turn Manual Overrides for Pneumatic Actuation

AMO Series



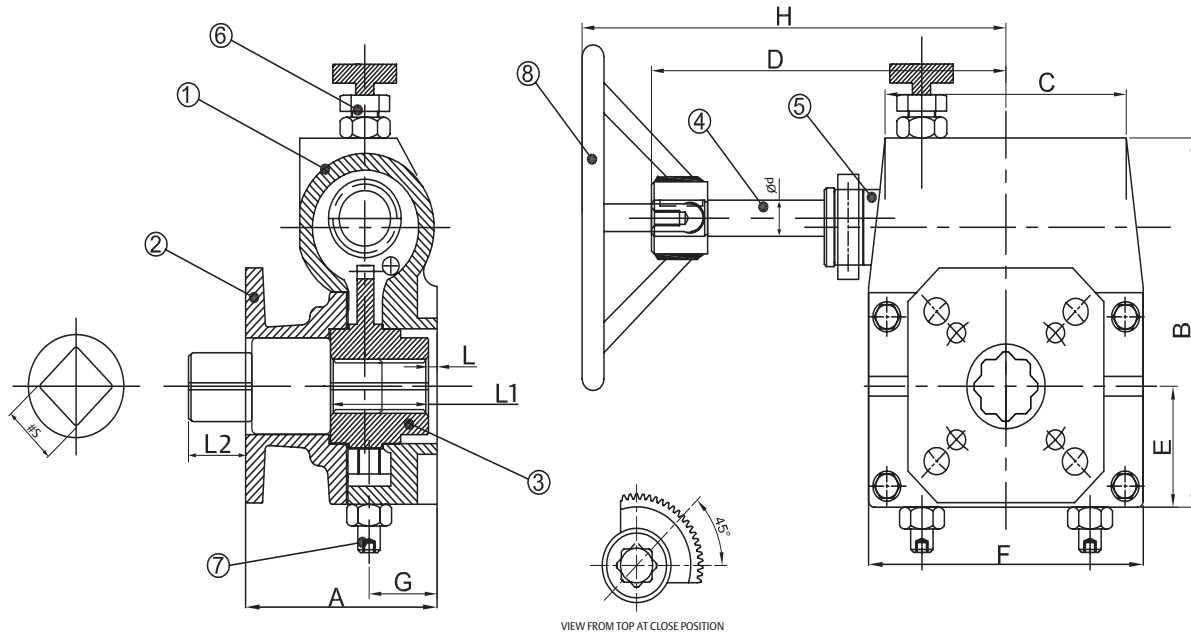
Standard Features

- 4 models up to 30977 lb-in
- Specifically designed for all types of pneumatic rack and pinion actuators
- Superior die cast aluminum bodies for reduced weight and aesthetically pleasing look
- Powder coated finish for AMO and handwheel
- Robust internals with alloy steel worm shafts
- Stroke 0-90° (+5° adjustable)
- Integral top flange (ISO drive coupling available on request)
- Enclosure sealed to IP-54
- Temperature range: -20 °C (-4 °F) to +120 °C (+248 °F)
- Smooth and easy clutch – declutch mechanism
- Stainless steel hardware
- Grease lubricated

Options

- Worm shaft, fasteners and hand wheel material option available in stainless steel
- Worm wheel material option available in aluminum bronze
- High temperature variant up to +150 °C (302 °F) & low temperature variant up to -52 °C (-61.6 °F) available
- Marine application (all exposed fasteners and shafts in stainless steel)

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Sr No.	Description	Material	US Standard	IS Standard
1	G.B. Housing	Aluminum	-	Lm25
2	G.B. Top Cover	Aluminum	-	Lm25
3	Worm Wheel	Ductile Iron	ASTM A536 70-50-05	SG IRON 500/7
4	Worm Shaft	Carbon Steel	A 576 1045	45C8
5	ECC Bush	Aluminum	-	Lm25
6	Selector Assembly	Carbon Steel	A 576 1045	45C8
7	Hardware	Stainless Steel	SS304	SS304
8	Handwheel	Carbon Steel	ASTM A53	IS 2062 Gr B

Model	Output Torque (lb-in)	Mech. Advan. ±10%	Ratio	Turns To Close	ISO 5211 Mounting (Valve Side)	ISO 5211 Mounting (Actuator Side)	Drive Bore (Square)	#S	L2	Ød	Hand wheel	A	B	C	D	E	F	G	L	L1	H	R&P Size / Model
AMO 0.5	1770.15	8	38:1	9.5	F05/F07	F05/F07	0.55	0.55	0.75	0.47	Ø6.89	2.68	4.76	3.39	4.98	1.57	3.86	0.94	0.14	1.38	6.61	25*, 40, 65
AMO 1	5752.98	9	38:1	9.5	F07/F10	F07/F10	0.75	0.75	0.75	0.55	Ø9.84	3.43	6.73	4.88	6.50	2.13	5.87	1.42	0.12	2.13	9.06	100, 150, 200
AMO 2	13276.12	16	76:1	19	F10/F14	F10/F14	1.06	1.06	1.06	0.63	Ø15.75	4.53	9.76	7.17	8.86	2.87	10.71	1.57	0.16	3.58	12.80	350, 600, 950*
AMO 3	30977.61	22	87:1	21.75	F16/F25	F16/F25	1.81	1.81	1.81	0.98	Ø23.62	6.85	15.94	8.66	11.73	5.16	15.75	2.13	0.08	4.88	15.67	1600, 2500
AMO 0.5-LT1	1770.15	8	38:1	9.5	F05/F07	F05/F07	0.55	0.55	0.75	0.47	Ø6.89	2.68	4.76	3.39	5.00	1.57	3.86	0.94	0.12	1.38	6.61	25*, 40, 65
AMO 1-LT1	5752.98	9	38:1	9.5	F07/F10	F07/F10	0.75	0.75	0.75	0.55	Ø9.84	3.43	6.73	4.88	6.50	2.13	5.87	1.18	0.12	2.13	9.06	100, 150, 200
AMO 2-LT1	13276.12	16	76:1	19	F10/F14	F10/F14	1.06	1.06	1.06	0.63	Ø15.75	4.57	9.76	7.17	8.86	2.87	10.71	1.57	0.14	3.58	12.80	350, 600, 950*
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NOTES:

1. R&P models marked with an asterisk (25 and 950) require additional square adaptor for direct mounting
2. AMO-LT1 for Low Temp. Application (with low temp grease & low temp seals)
3. De-pressurize R&P actuator prior to manual override operation

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