

# ELECTRIC LINEAR ACTUATOR SL SERIES

<http://www.actuator-solutions.com>



## Performance

Type	Max Output Torque	Speed (50/60Hz)	Stroke	Duty Cycle	Motor		Valve Stem Threads (Max)	Pillar Threads	PCD in Flange
	KN	mm/sec	mm	S4 (%)	W	Class	mm		mm
SL01	1	0.65/0.8	20	50	6	F (150°)	M16	M16	80
SL02	2	0.65/0.8	20	50	6	F (150°)	M16	M16	80
SL04	4	1.1/1.3	50	50	25	F (150°)	M20	M16	100
SL07	7	1.1/1.3	50	50	40	F (150°)	M20	M16	100
SL10	10	0.85/1.0	80	50	25	F (150°)	M20	M16	100
SL15	15	0.85/1.0	80	50	40	F (150°)	M20	M16	100

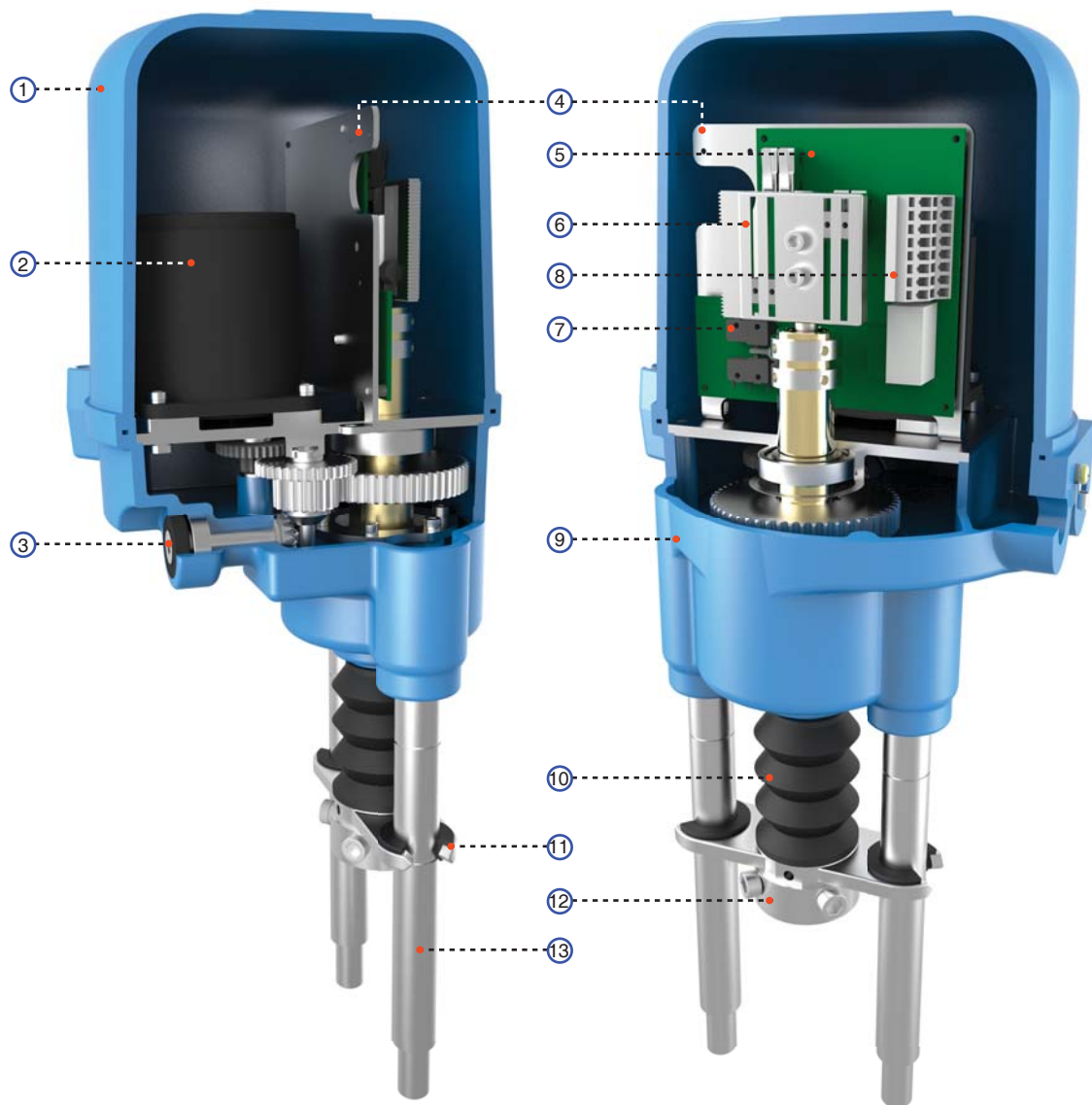
## Standard Specification

Enclosure	Watertight Ingress Protection 67 Nema 4 and 6
Ambient Temperature	-20°C ~ +70°C 150°C/1hr
Power Supply	110/220V AC 50/60Hz, DC24V (Option: 380/440V AC 50/60Hz→ONLY NL04~NL15)
Torque Switches	Open / Close Torque Switch
Limit Switches	Open / Close Limit Switch
Stall Protection	Thermal Protection (Open 150°C)
Indicator	Continuous Position Indicator
Manual Override	SL01,02,04,07: By L-wrench (6mm Hexagon)
	SL10,15: Hand / Auto Declutching Mechanism
Space Heater	5W
Cable Entries	Two PF 3/4" (Option : Two M20 Pitch 1.5 , Two NPT 3/4")
Lubrication	Shell Gadus S2 V220 2
Materials	Aluminium
Surface Treatment	Anodizing
External Coating	Polyester
Dielectric Strength	AC1800V / 1min
Insulation	DC500V more Than 100M Ohm

## Optional Specification

BLDC PCU	Proportional Contact Unit (Modulation) Input : 4-20mA DC 1~5VDC, 2~10VDC, 0~5VDC, 0~10VDC Output : 4-20mA DC
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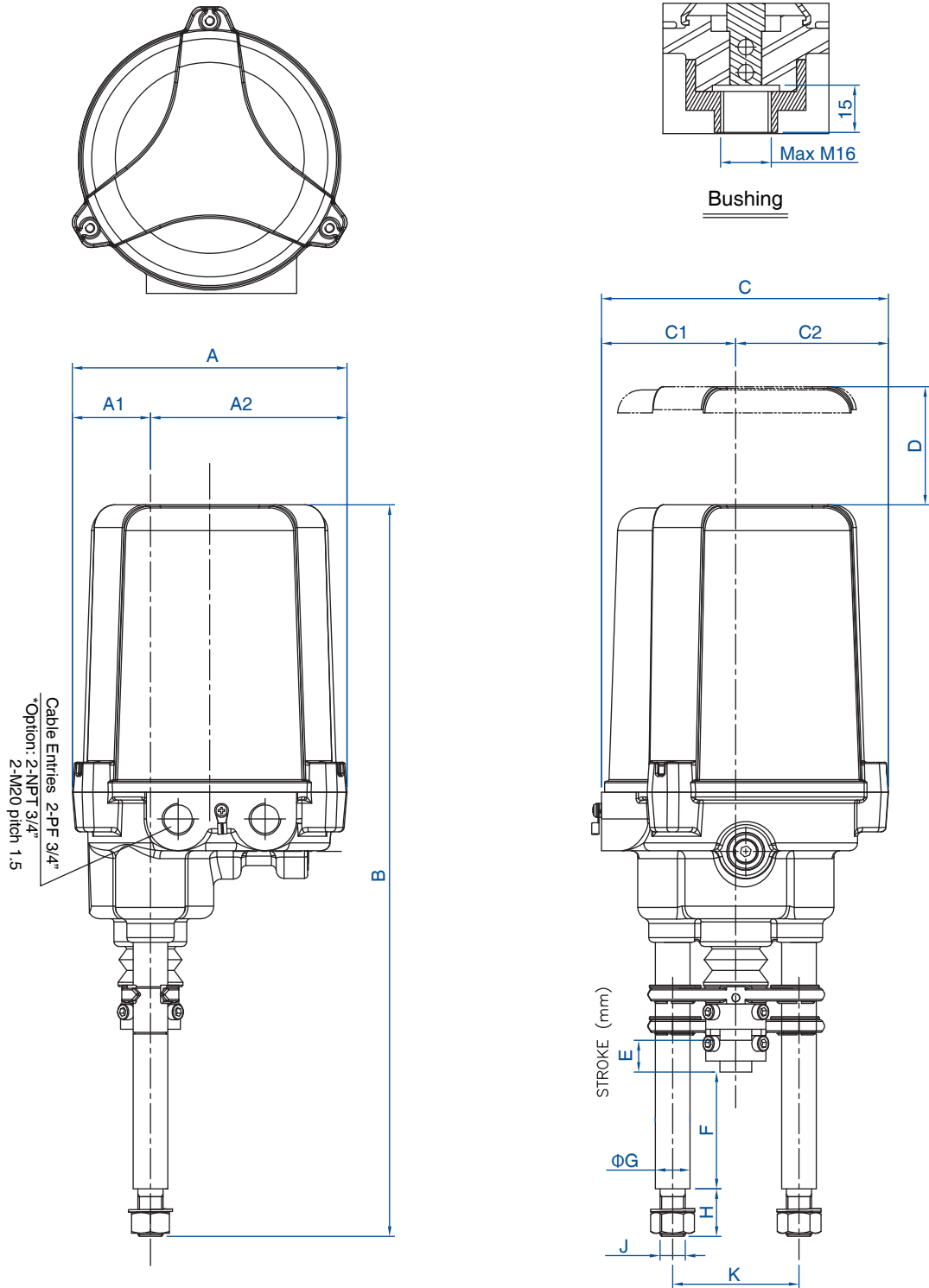
## Configuration



### Features

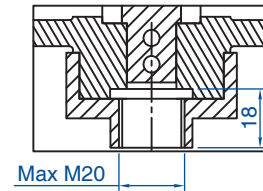
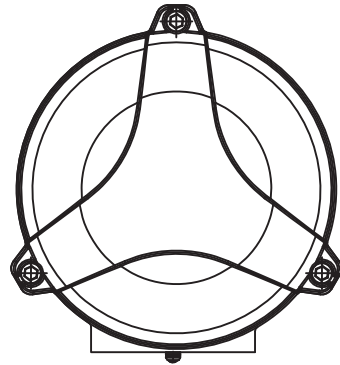
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|---|--|
| <p><b>1</b> Top Cover</p> <p><b>2</b> Motor<br/>Squirrel caged induction motor is totally enclosed type with high stall torque and low inertia force to suit seating/unseating of valves.<br/>Integral thermal protection to prevent damage to the single/three phase motor</p> <p><b>3</b> Manual Override<br/>SL01~07: By L-Wrench (6mm hexagon)<br/>SL10~15: Hand/Auto declutching mechanism</p> <p><b>4</b> Plate</p> <p><b>5</b> Terminal Board</p> <p><b>6</b> Limit Switch (Open, Close)</p> | <p><b>7</b> Torque Switch (Open, Close)</p> <p><b>8</b> Terminal<br/>Quality terminal block containing segregated power and control terminal are designed for use in high vibration environments.</p> <p><b>9</b> Body</p> <p><b>10</b> Bellow</p> <p><b>11</b> Indicator</p> <p><b>12</b> Bushing</p> <p><b>13</b> Pillar</p> |
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## SL 01,02 Dimension



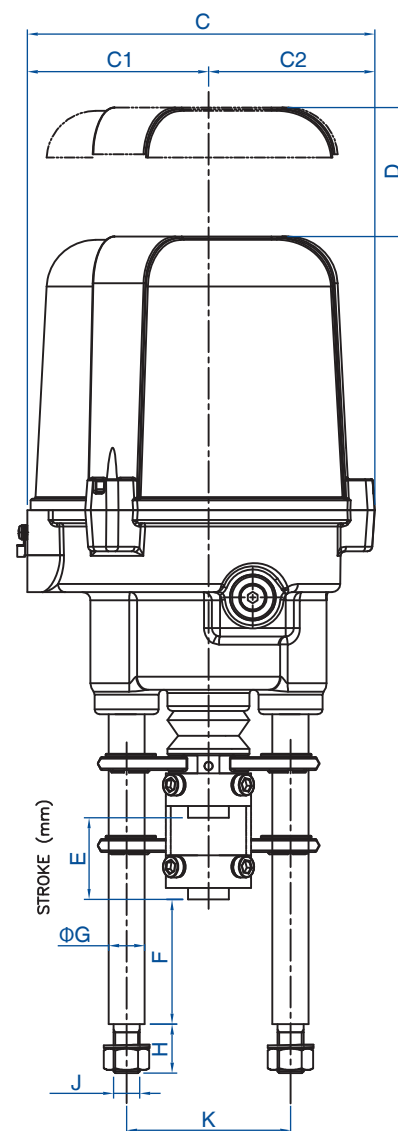
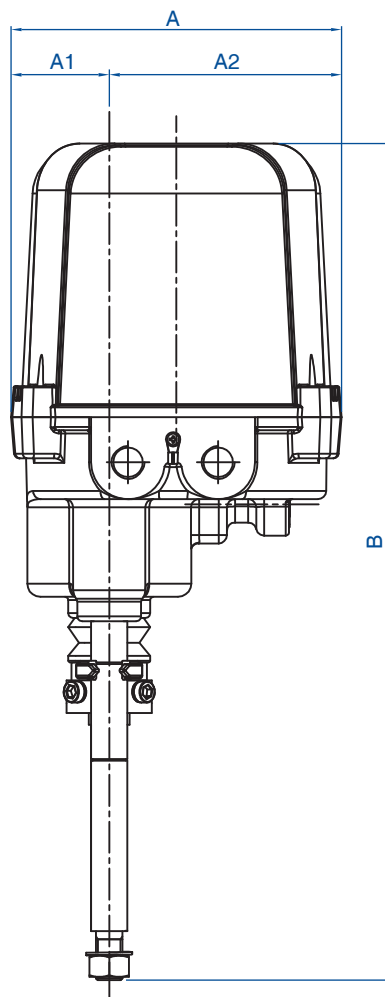
Type	A	A1	A2	B	C	C1	C2	D	E	F	G	H	J	K
SL01, SL02	174	49.5	124.5	463.5	181.5	85	96.5	182	20	74	∅22	30	M16	80

## SL 04,07 Dimension



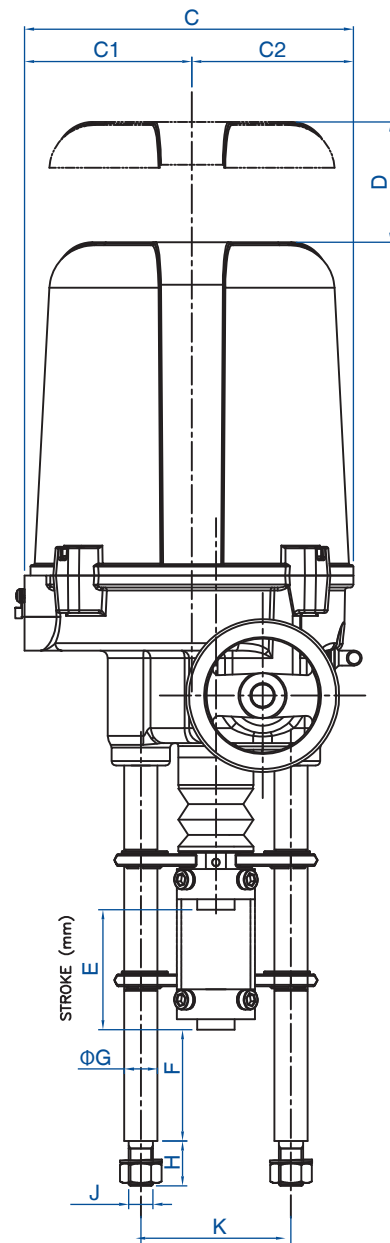
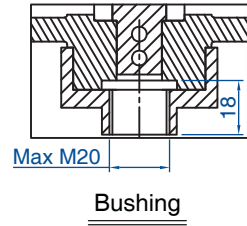
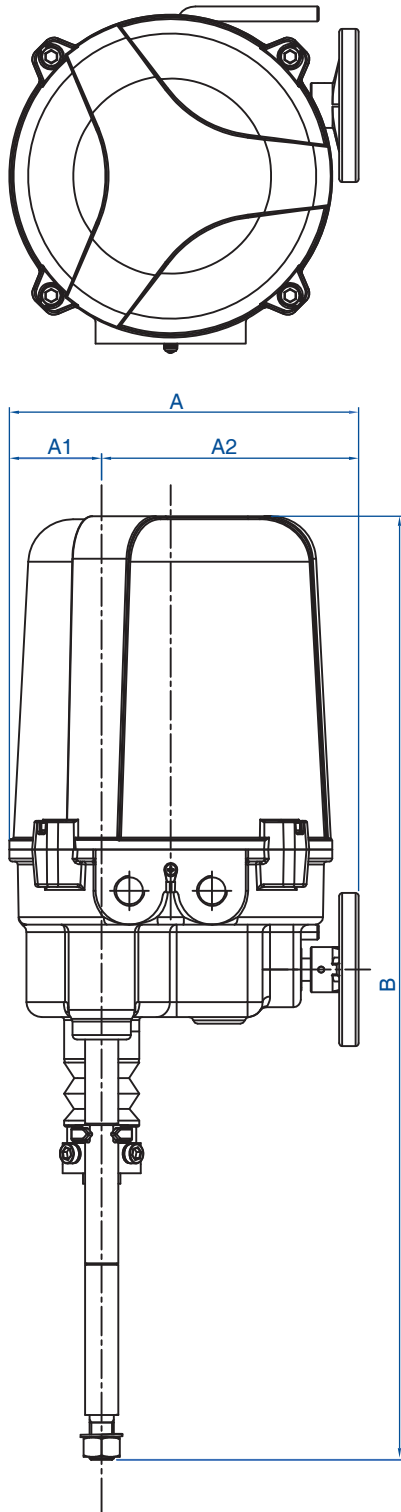
Max M20

Bushing



Type	A	A1	A2	B	C	C1	C2	D	E	F	G	H	J	K
SL04, SL07	202	60	142	511	212	110.5	101.5	167	50	76	∅22	30	M16	100

## SL 10,15 Dimension



Type	A	A1	A2	B	C	C1	C2	D	E	F	G	H	J	K
SL10, SL15	233.5	61.5	172	629	219	111.5	107.5	222	80	74	∅22	30	M16	100