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VALVE AUTOMATION SYSTEMS

INTERNATIONAL
ELE-O-MATIC[®]

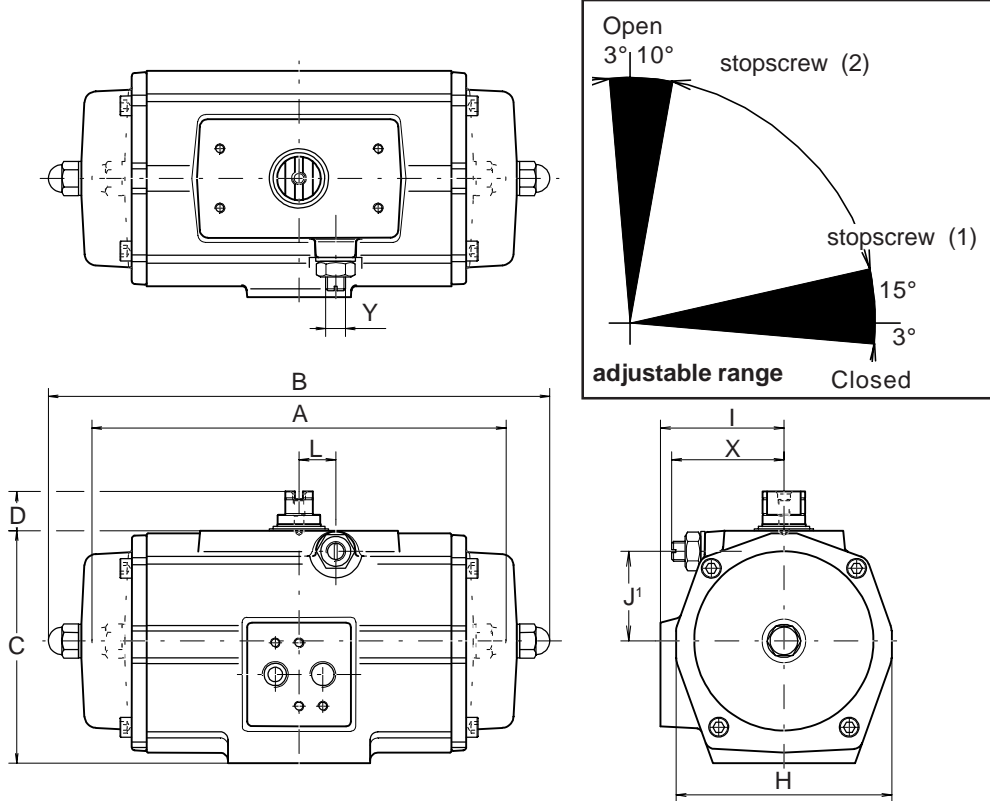
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Nr.:

1.501.05

Date:

Febr. '99



Description:

Actuators with double stroke adjustment are normally used for high performance butterfly valves where a fine adjustment is required for the closed position. In this version adjustment is provided at the end of the opening and closing stroke positions. DSA actuators may be double acting or spring return, though are normally used as spring return (fail close) actuators.

Operation:

The closed position is adjusted by means of the stop-screw (1) located in the actuator body and for the open position by the stop-screws (2) in the actuator end caps.

Identification:

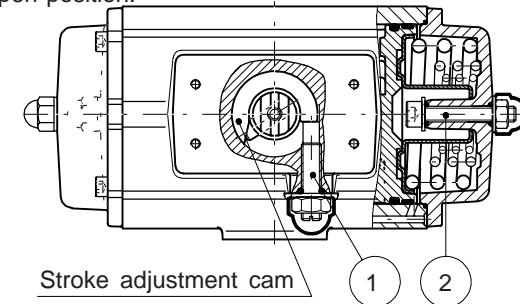
"DSA" is added to the basic part number i.e. ES 200-DSA for single acting and ED 200-DSA for double acting actuators

Specification:

- Pressure : Up to 8 bar
- Operating media : Air, dry or lubricated or non-corrosive gas
- Torque (90°) : Data sheet 1.104.01 - 1.104.02
- Rotation -
 - Spring return : Clock-wise on air failure.
 - Double acting : Counter clock-wise with port "A" pressurised.
- Other dimensions : Data sheet 1.103.XXX
- Temperature : -20° to +80°C
- Adjustable range : Closed position (1), +3°/- 15°
Open position (2), 80° - 93°

Note:

- 1) Can be provided with extra long end-cap stop screws for full range adjustment of the "open" position.
- 2) This DSA option is not required on actuators fitted with manual override gearboxes, as MO gearboxes already incorporate this function.
- 3) When assembled for "fail open" operation (code D, data sheet 1.504), the closed position is adjusted with the stop-screws (1). There is no adjustment for the open position.



Stroke adjustment cam

Dim. in mm	Actuator type								
	E25	E40	E65	E100	E200	E350	E600	E950	E1600
A DA	159	180	199	221	283	305	390	440	520
B SR	172	204	249	267	360	387	480	532	641
C	80	93	105	118	143	181	220	259	297
D	20	20	20	20	20	20	30	30	30
H	74	86	98	108	128	173	207	231	264
I	46	51	57.5	63	73	94.3	113	126	142
J¹	28.3	35.1	40	43.7	53.9	72.5	88.8	102.4	114.4
L	11.5	15.5	15.5	18.5	24.6	24.6	41.5	41.5	47.5
Y	M6	M8	M8	M10	M12	M12	M16	M16	M20
X	36	41.5	41.5	50.5	62.5	72.5	102	102	109.5
X max.	41.5	48.5	48.5	58.5	74	84	114.5	114.5	124

EL-O-MATIC ACTUATOR WITH DOUBLE STROKE ADJUSTMENT

DSA