

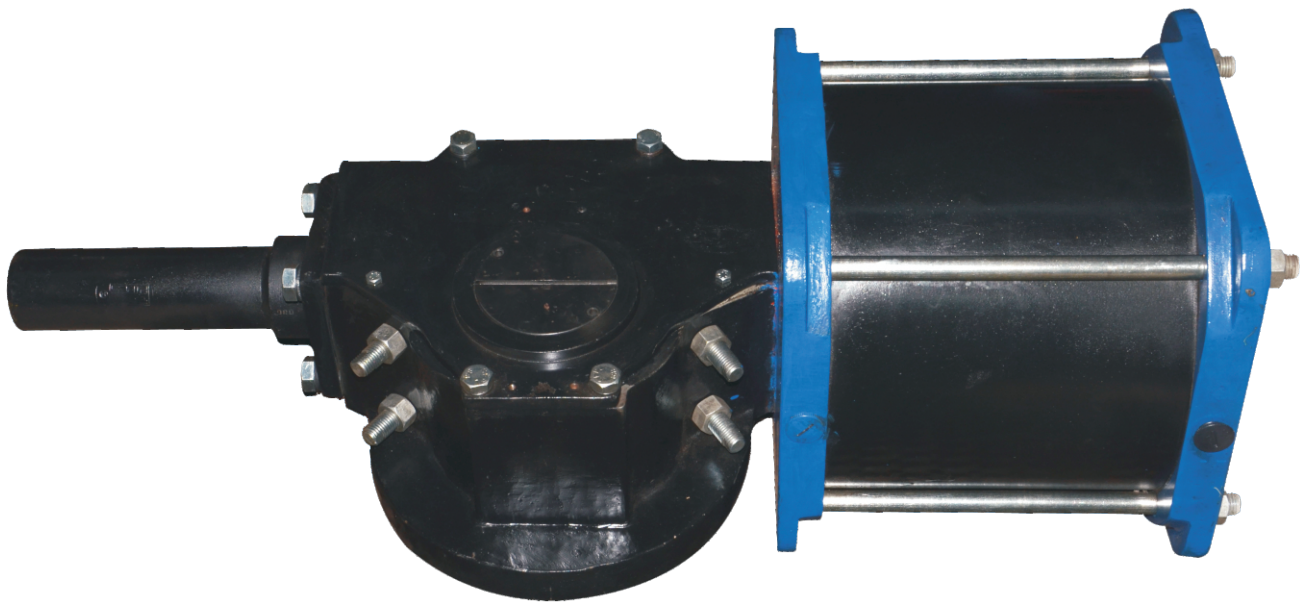


SUPRIYA PROTOTECH

Range of Valves and Accessories



SCOTCH YOKE TYPE DOUBLE ACTING PNEUMATIC ACTUATORS FOR QUARTER TURN VALVES AND DAMPERS



GENERAL APPLICATION :

Designed for on-off or modulating control of quarter-turn Ball, Butterfly, Plug Valves or Dampers.

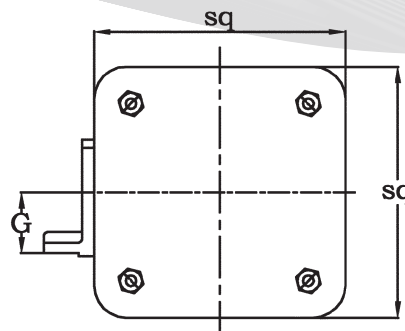
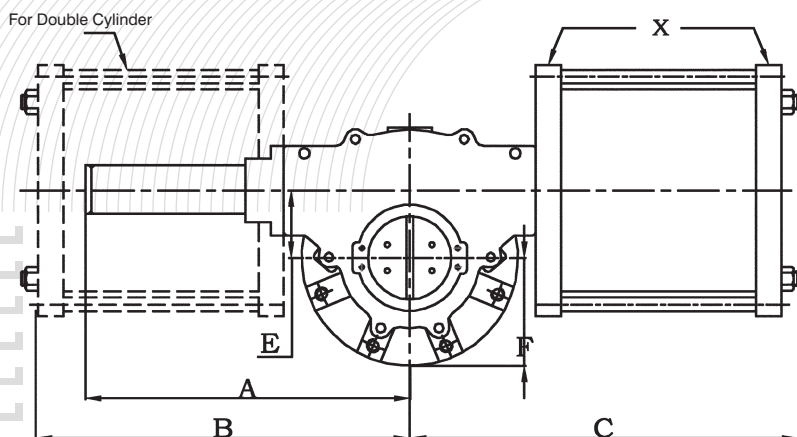
TECHNICAL DATA :

Supply Pressure : 40 to 100 psig (2.8 to 7 bar)
Supply Medium : Pneumatic
Temperature Rating : Standard : -30 to 100° C
Optional : -55 to 135° C
Angle of Rotation : 90 5 degrees

OPTIONS AND ACCESSORIES :

- Declutchable manual override
- Positioner
- Feed back Transmitter
- Volume Bottle
- Solenoid Valve
- Limit Switches
- I/P Converter
- Flow Control Valve
- Air Filter Regulator
- Volume Booster

SCOTCH YOKE TYPE DOUBLE ACTING PNEUMATIC ACTUATOR

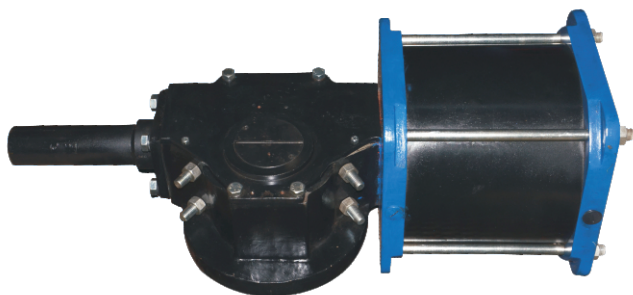


DOUBLE ACTING PNEUMATIC ACTUATOR OUTPUT TORQUE

DIMENSIONAL DATA

MODEL	A	B	C	sq	E	F	G	X	MOUNTING FLANGE DETAILS ISO 5211	MAXIMUM STEM ACCEPTANCE	
										DIA	DEPTH
A04D	376	-	435	114	71	88	83	1/4 BSP	F14 / F16	70	150
A06D	376	-	440	165	71	88	83	1/4 BSP	F14 / F16	70	150
A08D	376	-	440	216	71	88	83	1/4 BSP	F14 / F16	70	150
A10D	376	-	436	270	71	88	83	1/2 BSP	F14 / F16	70	150
A12D	376	-	449	324	71	88	83	1/2 BSP	F14 / F16	70	150
B08D	508	-	569	216	100	169	95	1/4 BSP	F25 / F30	80	184
B10D	508	-	565	270	100	169	95	1/2 BSP	F25 / F30	80	184
B12D	508	-	578	324	100	169	95	1/2 BSP	F25 / F30	80	184
B14D	508	-	588	375	100	169	95	1/2 BSP	F25 / F30	80	184
C10D	780	-	857	270	188	175	132	1/2 BSP	F25 / F30	80	254
C12D	780	-	870	324	180	175	132	1/2 BSP	F25 / F30	80	254
C14D	780	-	880	375	180	175	132	1/2 BSP	F25 / F30	80	254
2C10D	-	857	857	270	180	175	132	1/2 BSP	F25 / F30	80	254
2C12D	-	870	870	324	180	175	132	1/2 BSP	F25 / F30	80	254
2C14D	-	880	880	375	180	175	132	1/2 BSP	F25 / F30	80	254
2D14D	-	880	880	432	180	175	132	1/2 BSP	F35 / F40	80	254

PNEUMATIC ACTUATOR WITH SINGLE CYLINDER



PNEUMATIC ACTUATOR WITH DOUBLE CYLINDER



MODEL	POSITION	@40PSIG (2.8Kg / Sq.cm)	@60PSIG (4.2Kg / Sq.cm)	@80PSIG (5.5Kg / Sq.cm)	@100PSIG (7Kg / Sq.cm)
A04D	Starting / Ending	305	457	609	762
	Run (Minimum)	152	228	305	381
A06D	Starting / Ending	685	1028	1371	1714
	Run (Minimum)	343	514	685	857
A08D	Starting / Ending	1219	1828	2437	3046
	Run (Minimum)	609	914	1219	1523
A10D	Starting / Ending	1904	2856	3808	4760
	Run (Minimum)	952	1428	1904	2380
A12D	Starting / Ending	2742	4113	5484	6854
	Run (Minimum)	1371	2057	2742	3427
B08D	Starting / Ending	1603	2404	3205	4007
	Run (Minimum)	802	1202	1603	2003
B10D	Starting / Ending	2505	3757	5008	6260
	Run (Minimum)	1252	1878	2505	3130
B12D	Starting / Ending	3606	5409	7212	9015
	Run (Minimum)	1803	2705	3606	4508
B14D	Starting / Ending	4909	7363	9817	12271
	Run (Minimum)	2454	3681	4909	6136
C10D	Starting / Ending	4507	6761	9015	11269
	Run (Minimum)	2254	3532	4710	5887
C12D	Starting / Ending	6490	9736	12982	16227
	Run (Minimum)	3245	4868	6490	8113
C14D	Starting / Ending	8834	13252	17669	22087
	Run (Minimum)	4418	6626	8834	11043
2C10D	Starting / Ending	9015	13522	18030	22537
	Run (Minimum)	4507	6761	9015	11269
2C12D	Starting / Ending	12982	19472	25962	32454
	Run (Minimum)	6490	9736	12982	16227
2C14D	Starting / Ending	17669	26503	35338	44172
	Run (Minimum)	8834	13252	17669	22084
2D14D	Starting / Ending	20398	30590	40755	50996
	Run (Minimum)	12036	18050	24064	30020

MANUAL OVERRIDE OPTIONS :

1. Screw Type
2. Hydraulic Manual Override.
3. Sandwich Type Worm Gear Box.
4. Bevel Gear Box.

TORQUE PATTERN OPTIONS :

1. Symmetrical or Radial Slot.
2. Canted Slot.

NOTE :

1. All Dimensions are in mm.
2. "B" Dimension is only for double cylinders.
3. Manual Override can also be supplied on request.
4. Solenoid Valve and Limit switches can be supplied on request.
5. Other Materials not mentioned above or available on Request.



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