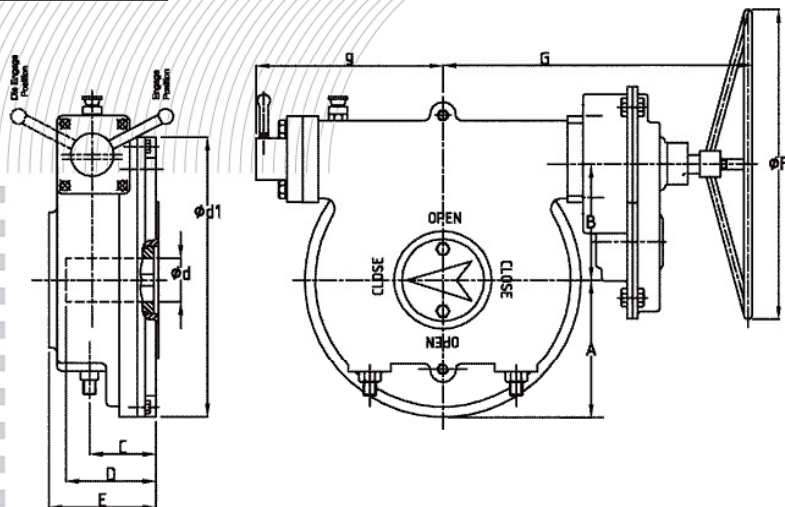


TOP MOUNTED TYPE QUARTER TURN MANUAL OVERRIDE WORM GEAR BOX

Series : D



D Series Declutchable Gearbox

MODEL	A	C	E	ϕF	ϕf	G	g	$\phi d1$	MOUNTING FLANGES
									Valve Side
D201	165	77	136	400	29	629	240	330	F14/F16/F25
D251	195	81	160	400	29	629	284	348	F16/F25/F30
D252	195	81	160	500	29	667	284	348	F16/F25/F30
D281	190	85	152	500	29	743	287	380	F25/F30
D283	190	85	152	500	29	738	287	380	F25/F30
D303	236	104	205	600	29	822	362	430	F25/F30
D304	236	104	205	600	29	789	362	430	F25/F30
D324	266	120	214	600	29	799	360	530	F35/F40
D354	322	133	223	600	29	867	385	643	F35/F40/F48
D355	322	133	223	600	29	880	385	643	F35/F40/F48
D405	370	158	322	600	29	925	512	740	F40/F48
D407	370	158	322	600	29	1120	512	740	F40/F48

GEAR RATIO	OUTPUT TORQUE (Nm)	MECH Adv.	ϕd (max.)	D (max.)
168	6050	56.5	80	126
208	8000	54.0	90	129
332.8	10000	87.0	90	129
294.4	14250	77.0	110	133
460	16900	120.0	110	133
540	20800	140.0	115	133
555.6	23500	145.6	115	133
1024	31200	260.0	160	191
1328	38200	334.0	180	197
1024	48250	260.0	180	197
1040	60500	280.0	200	295
2120	95500	460.0	200	295

MATERIAL OF CONSTRUCTION

PART NO.	PART NAME	MATERIALS
1	BODY	C.I.:IS 210 Gr.FG 220
2	COVER	C.I.:IS 210 Gr.FG 220
3	GEAR	S.G.Iron IS:1865 Gr.600/3
4	WORM	STEEL : En8
5	HANDWHEEL	STEEL
6	REAR/FRONT BUSH	STEEL
7	REAR/FRONT COVER	C.I.: IS 210 Gr.FG 220
8	ACT MFG. FLANGE	Cast Iron Gr. FG 220
9	UNIVERSAL JOINT	STEEL
10	INDICATOR	IS : 1367 Gr.8.8
11	H.W.KEY	STEEL
12	BODY BOLTING	IS:1367 Gr. 8.8
13	O-RING	NITRILE
14	STOPPER BOLTS	IS:1367 Gr.8.8
15	GREASE	IMP3/AP3
16	BEARING	TAPER ROLLER
17	SPUR HOUSING	C.I.:IS 210 Gr.FG 220
18	SHAFT/PINION	En 19
19	OUTPUT GEAR	S.G.IRON IS:1865 Gr.600/3

SIZING CRITERIA

- For Single acting Pneumatic Actuator, the addition of valve torque and the actuator spring ending torque should be considered for sizing manual override.

OPERATION :

- To Engage manual operation, pull out spring loaded locking pin then rotate the C-Lever / Knob downwards until the locking pin re-engage.

NOTE :

- Drive bore to be specified by the customer.
- Key way confirm to IS : 2048.
- Mounting hole to ISO 5210 STD. Others optional.
- Other Materials not mentioned above or available on Request.



SUPRIYA PROTOTECH
Range of Valves and Accessories

