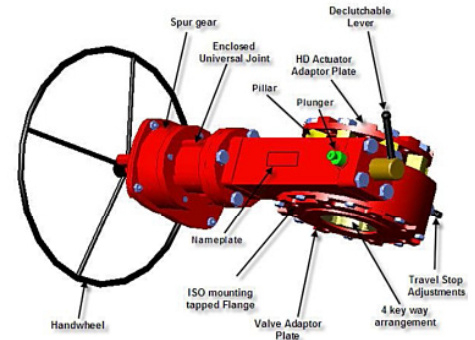
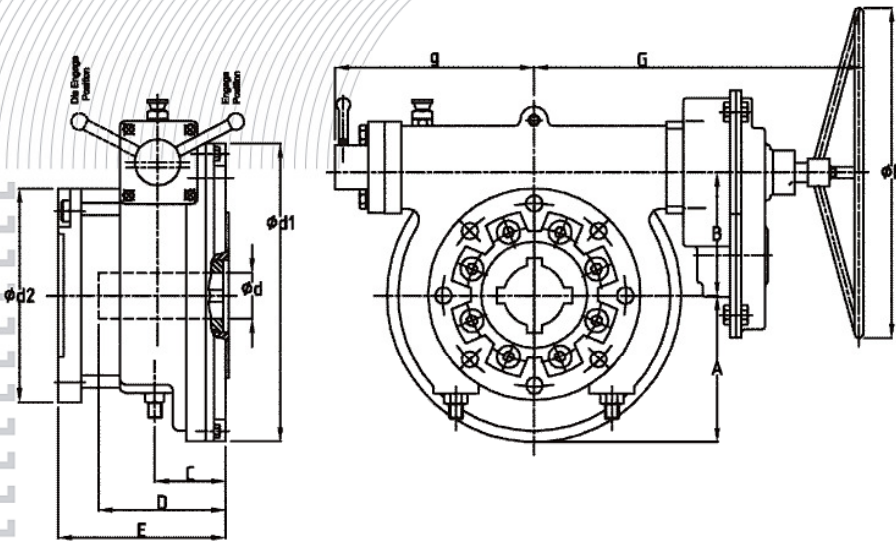


# SANDWICH TYPE QUARTER TURN MANUAL OVERRIDE WORM GEAR BOX

Series : D

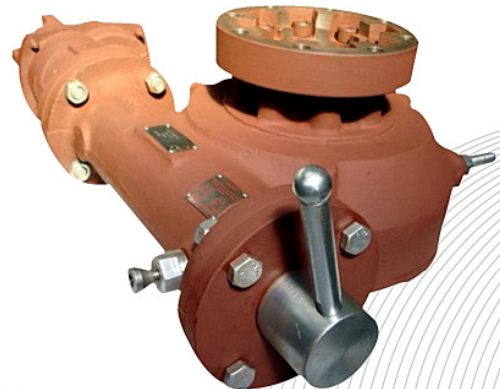


D Series Dec clutchable Sandwich Gearbox

MODEL	A	C	E	ØF	øf	G	g	Ød1	Ød2	MOUNTING FLANGES		GEAR RATIO	OUTPUT TORQUE (Nm)	MECH Adv.	Ød (max.)	D (max.)
										Valve Side	Act. Side					
D201	165	77	220	400	29	418	240	330	220	F14/F16/F25	F16/F20/F25	168	6050	56.5	80	180
D251	195	81	208	400	29	477	284	348	220	F16/F25/F30	F16/F20/F25	208	8000	54.0	90	202
D252	195	81	208	500	29	482	284	348	220	F16/F25/F30	F16/F20/F25	332.8	10000	87.0	90	202
D281	190	85	215	500	29	518	287	380	320	F25/F30	F25/F30	294.4	14250	77.0	110	133
D283	190	85	215	500	29	555	287	380	320	F25/F30	F25/F30	460	16900	120.0	110	133
D303	236	104	285	600	29	579	362	430	320	F25/F30	F25/F30	540	20800	140.0	115	174
D324	266	120	286	600	29	587	360	530	415	F35/F40	F35	1024	31200	260.0	160	190
D354	322	133	286	600	29	622	385	643	415	F35/F40/F48	F35	1328	38200	334.0	180	190
D355	322	133	314	600	29	635	385	643	415	F35/F40/F48	F35	1024	48250	260.0	180	259
D405	370	158	429	600	29	749	512	740	415	F40/F48	F35/F40	1040	60500	280.0	200	382
D407	370	158	429	600	29	940	512	740	415	F40/F48	F35/F40	2120	95500	460.0	200	382

## 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

