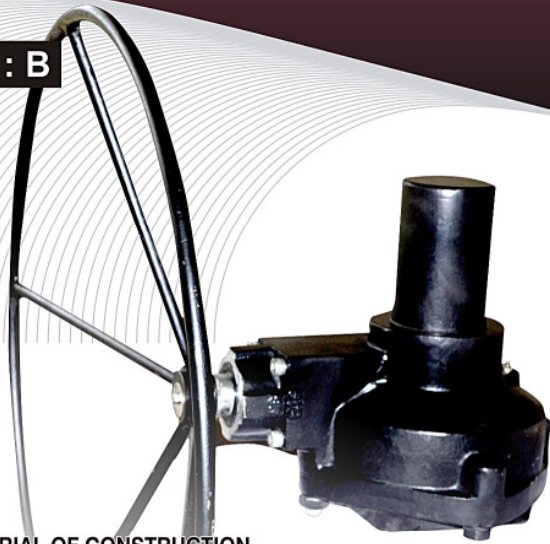


Series : B

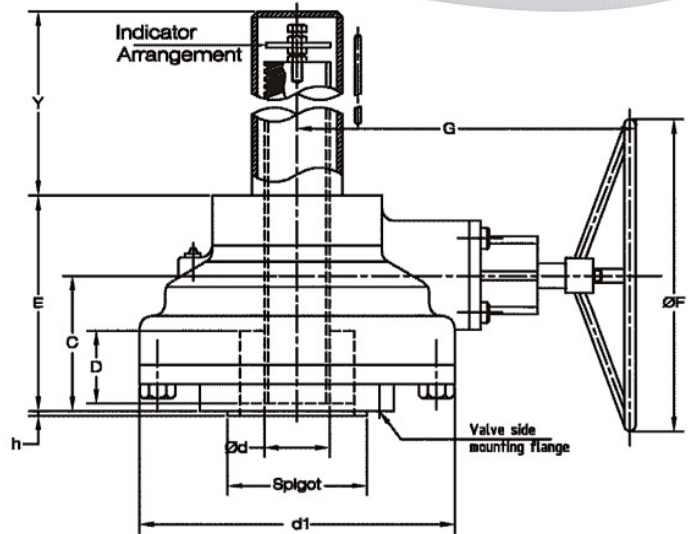
# BEVEL GEAR BOX (Compact Type) THRUST (A) BASE (for rising spindle valves)



## MATERIAL OF CONSTRUCTION

PART NO.	PART NAME	MATERIALS
1	Body	S.G. IRON 500/7
2	Cover	S.G. IRON 500/7
3	Bevel Gear	EN 19
4	Bevel Pinion	EN 19
5	Drive Sleeve	S.G. IRON 600/3
6	Stem Nut	600/3* /AB2/D2
7	Spur Housing	CI IS210 Gr FG 220
8	Body Fasteners	IS:1367 Gr. 10.9
9	Side Cover Fasteners	IS:1367 Gr. 10.9
10	Stem Cap (Optional)	ASTM A 53
11	Hand Wheel	Steel
12	O'Ring Body	NITRILE
13	O'Ring Drive Sleeve	NITRILE
14	O'Ring Bearing Seat	NITRILE
15	Pinion Bearing Front	STD
16	Pinion Bearing Rear	STD
17	Bearing Seat	STD

\* Standard Provided



## DIMENSIONAL DATA

MODEL	d1	C	E	ØF	G	Valve Mounting Flange
B13	193	75	107	400	207	F10/F12
B16	280	111	178	600	316	F14/F16
B19	Ø290	193	260	600	310	F20
B28	Ø350	125	255	700	410	F25/F30
B32	Ø512	185	255	750	413	F30/F35
B50	Ø550	199	330	750	503	F40

## PERFORMANCE DATA

MODEL	Gear Ratio	Output Torque NM	Thrust Kn	Mech Adv.	ød (max)	D (max)
B13	4.1	300	50	3.6	40	85
B16	4.5	1300	150	4.0	50	60
B28	5.3	3000	400	4.8	70	150
B32	6.4	600	700	5.7	92	103
B50	6.5	10000	1000	5.7	125	150
B28GT75	23.9\$	3000	400	18.2	70	150
B32GT105	54\$	6000	700	40.4	92	103
B50GT150	66.9\$	10000	1000	49.6	125	150

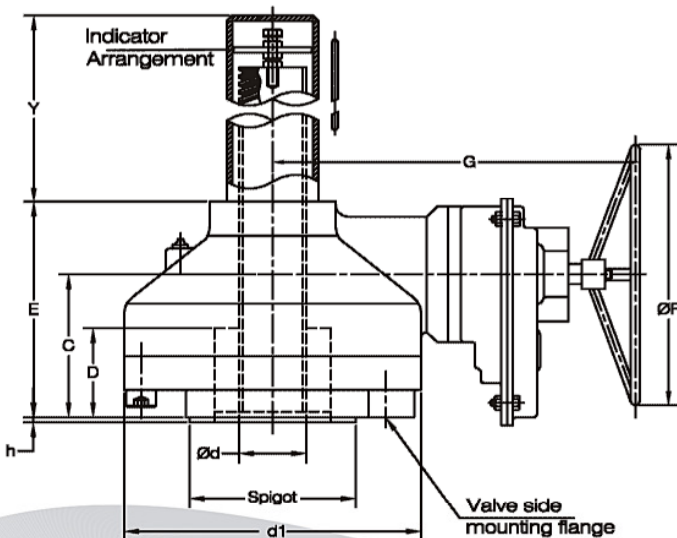
## DIMENSIONAL DATA

MODEL	d1	C	E	ØF	G	Valve Mounting Flange
B28GT75	Ø350	125	255	400	553	F25/F30
B32GT105	Ø512	185	255	500	558	F30/F35
B50GT150	Ø550	199	330	500	677	F40

\$ Other ratios are available on request.

### Note :

- \* D = Max threading Length
- \* Y = Valve Size ; To be Specified for stem protection Tube
- \* Indicator Arrangement Optional
- \* Hand wheel side flange can be provided for mounting electric actuator.
- \* Auxiliary arrangements like Pad-Lock, Hook-Lock, Chain Wheel, Electric Flange, Protection Tube available on Request.
- \* Other Materials not mentioned above are available on Request.



**SUPRIYA PROTOTECH**  
Range of Valves and Accessories

