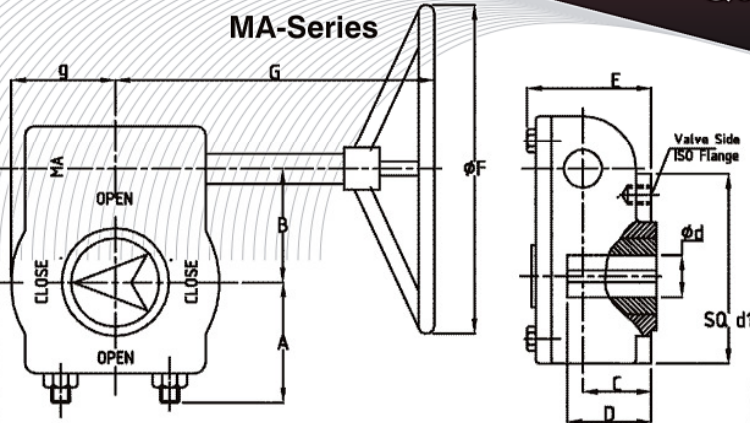


Series : MA/MB/N

Quarter Turn Worm Gear Box



Worm Gear



Low torque, top cover and sector gear design with adjustable stopper bolts; provided with bearings to reduce the friction due to axial thrust on worm.

Features of Series MA :

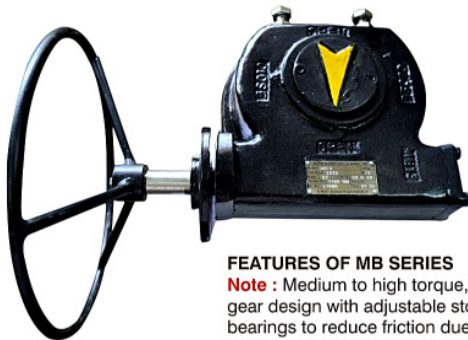
- * Top split, light and compact housing.
- * Sector gear for $90^\circ \pm 5^\circ$ and positive adjustable stops.
- * Low friction, High efficiency and yet self locking.
- * More models for better selection.
- * No maintenance required.
- * High over load capacity.

DIMENSIONAL DATA

MODEL	A	C	E	ØF	øf	G	g	d1	Valve Mounting Flange
N07	50	27	60	200	20	178	50	77	F5/F7
MA07	56	33	69	250	15	164	46	88	F7/F10
MA10	70	39	74	250	17	202	62	95	F7/F10
MA11	80	40	81	300	20	218	68	110	F10/F12/F14
MA12	92	49	90	300	20	253	80	126	F10/F12/F14
MA14	105	61	105	400	20	302	88	152	F12/F14/F16

PERFORMANCE DATA

MODEL	Gear Ratio	Output Torque Nm	Mech Adv.	ød (max.)	D (max.)	Wt. Kg.
N07	32	250	10	14	45	4.0
MA07	36	325	10	32	57	6.6
MA10	32	550	9.5	36	64	7.6
MA11	40	850	12.0	40	69	9.5
MA12	40	1300	12.0	50	77	13.0
MA14	46	1800	14.5	50	86	20.0



FEATURES OF MB SERIES

Note : Medium to high torque, actuator with rigid bottom cover and sector gear design with adjustable stopper bolts; provided with independent bearings to reduce friction due to radial and axial thrust on worm.

DIMENSIONAL DATA

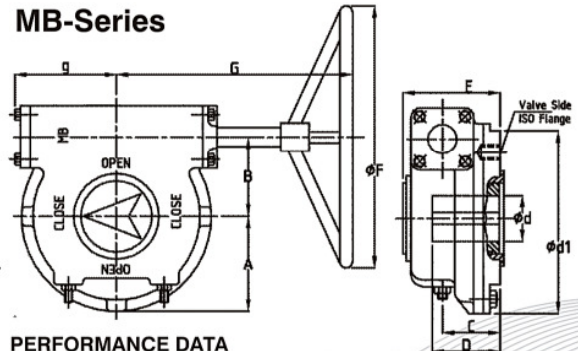
MODEL	A	C	E	ØF	øf	G	g	d1	Valve Mounting Flange
MB9	60	45	86	250	15	146	55	120	F7/F10
MB12	100	73	125	400	20	258	106	200	F12/F14/F16
MB13	117	67	106	400	20	276	116	235	F14/F16/F25
MB15	120	70	113	500	29	317	127	240	F14/F16/F25
MB18	146	76	130	600	29	339	149	292	F16/F25
MB19	156	90	162	600	29	454	133	285	F16/F25
MB20	165	72	136	600	29	445	163	330	F14/F16/F25
MB25	215	77	160	700	29	497	231	348	F16/F25/F30

- Drive bore to be specified by the customer.
- Key way conform to IS : 2048.
- Mounting hole to ISO 5210 STD.
- Others Optional.

Note :

Other materials not mentioned above are available on request.

MB-Series



PERFORMANCE DATA

MODEL	Gear Ratio	Output Torque Nm	Mech Adv.	ød (max.)	D (max.)	Wt. Kg.
M B 9	27	300	8.8	25	60	9.0
MB12	46	1600	15.0	50	95	19.0
MB13	53	2500	17.5	60	92	29.0
MB15	53	3000	17.5	60	105	32.0
MB18	52	4000	18.0	80	117	48.0
MB19	52	4250	17.0	72	147	47.0
MB20	58	4500	22.0	80	126	61.0
MB25	70	6000	23.0	90	129	74.0

MATERIAL OF CONSTRUCTION

PART NO.	PART NAME	MATERIALS	PART NO.	PART NAME	MATERIALS
1	BODY	Cast Iron Gr.FG 220	7	HAND WHEEL KEY	STEEL
2	COVER	CI.IS : Gr. FG 220	8	BEARING BUSH	BRASS
3	WORM	STEL : En8	9	BODY BOLTING	IS:1367 Gr 8.8
4	GEAR	SG IRON Gr 600/3	10	O'RING	NITRILE
5	HANDWHEEL	ASTM A 53/M.S.	11	BEARING	TAPER ROLLER
6	INDICATOR	Cast Iron Gr. FG 220	12	GREASE	MP3/AP3



SUPRIYA PROTOTECH
Range of Valves and Accessories



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