





Screw Rod Traversing (Translating)



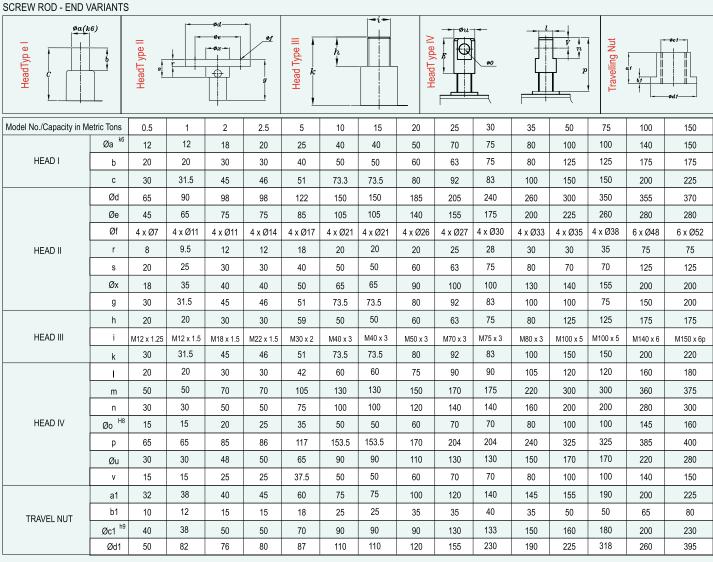






PRELIMINARY SELECTION GUIDE - MWJ SERIES

Model No. & Capacity in Metric Tonnes		0.5	1	2	2.5	5	10	15	20	25	30	35	50	75	100	150
Max. Lifting Force KN		5	10	20	25	50	100	150	200	250	300	350	500	750	1000	1500
Lifting Screw Dia & Pitch mm		18 x 6	20 x 5	26 x 6.35	30 x 6	40 x 7	58 x 12	60 x 12	65 x 12	90 x 16	95 x 16	100 x 16	120 x 16	127 x 16	160 x 20	180 x 25
Worm Gear Ratio	Normal	10 : 1	5:1	6:1	6:1	6:1	23 : 3	23:3	8:1	32 : 3	32:3	32 : 3	32 : 3	32:3	12 : 1	12 : 1
Wolfin Geal Natio	Slow	20 : 1	20 : 1	24 : 1	24 : 1	24 : 1	24 : 1	24 : 1	24 : 1	32 : 1	32 : 1	32 : 1	32 : 1	32 : 1	36 : 1	36 : 1
Lift in mm per turn of input shaft	Normal	0.60	1	1.058	1.0	1.167	1.565	1.565	1.5	1.5	1.5	1.5	1.5	1.5	1.667	2.08
	Slow	0.30	0.25	0.262	0.250	0.292	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.566	0.694
Max. Power input (KW) *	20% Duty	0.12	0.24	0.45	0.55	1.1	2.6	2.6	3.7	4.8	4.8	6.0	7.4	9	12.5	25
	10% Duty	0.17	0.32	0.63	0.75	1.5	3.7	3.7	5.2	6.7	6.7	8.4	10.4	13.5	17.5	17.5
Total Efficiency Rating %	Normal	27.2	27	26.4	23.2	21	23	22.5	21.5	20	19	18	15	15	15	15
Total Efficiency Nating //	Slow	20	16	16	13.6	16	16	16	15	12	12	11.0	10.0	10	9.0	9
Screw Torque (Nm) * At Max. Lift		8.8	17.3	44.6	60	153	468	717	1009	1725	2148	2500	4236	6630	11116	19270
Max. Permissible Torque (Nm) At Driving Shaft		12	20.5	36	46.5	92	195	195	280	480	480	705	840	1200	2660	4220
Weight without Screw & Protection Tune (kg)		1.2	1.2	7.3	7.3	16.2	25	25	36	70.5	70.5	87	176	538	538	538
Weight per 100 mm Screw		0.14	0.17	0.32	0.45	0.82	1.67	1.8	2.15	4.15	4.62	5.20	7.70	8.62	13.82	18.6





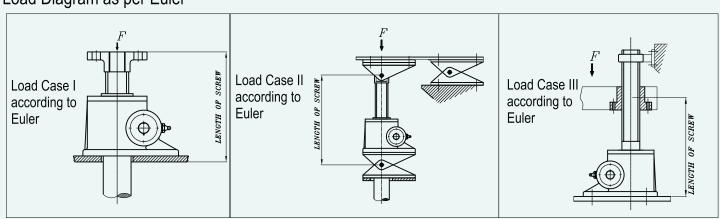


Dimension Table Type 1 & Type 2

Frame Size	0.5	1	2	2.5	5	10	15	20	25	30	35	50	75	100	150
А	L+20	L+20	L+20	L+20	L+20	L+20	-	L+20	L+20	-	L+20	L+20	-	L+65	L+65
A2	L+32	-	L+44	L+40	L+43	L+42	L+55	L+55	L+60	L+60	L+60	L+65	L+70	L+65	L+65
A4	L+166	L+175.5	L+205	L+214	L+270	L+335	L+335	L+404	L+476	L+525	L+535	L+669	L+739	L+802	L+802
A5	L+188	L+195.5	L+227	L+238.5	L+300	L+359	L+359	L+430	L+513	L+577	L+580	L+698	L+789	L+812	L+812
В	105.5	114	147.5	150.5	193	230	230	262	317	338	350	375	419	520	520
С	32	38	44	45	61.5	70	70	87	102	105	115	130	140	170	170
D	81.5	92	94	165	212	235	235	295	350	365	430	260	584	540	540
Е	-	-	57	135	168	190	190	240	280	295	360	150	482	440	440
F	115	127	182	120	155	200	200	215	260	260	280	500	356	620	620
G	90	102	152	90	114	155	155	160	190	190	210	400	254	520	520
ØH	9	11	11	14	17	21	21	28	35	39	35	48	54	52	52
ØJk6	10	12	14	16	20	25	25	28	34	35	38	40	45	60m6	70m6
K1	27	32	45.2	45.2	56.2	66.8	66.8	72.5	97	97	120	137	137	196	196
K2	-	-	28.5	50	58	63.5	63.5	95	95	105	135	75	190.5	160	160
L	32.5	35	47	65	80	86	86	122.5	130	140	170	130	241	210	210
L1	22	36.5	34	34.25	46	52	52	52	60	61.5	80	100	105	110	110
M	73	80	100	110.5	132	172	172	213.5	221	251	265	324	380	420	420
N	120	153	180	190	228	280	280	322	355	380	430	560	610	670	670
NL	L+72	L+78	L+80	L+85	L+110	L+125	L+125	L+150	L+170	L+170	L+205	L+225	L+255	L+300	L+300
ØO	65	70	98	98	122	150	150	185	205	230	260	300	350	440	440
Р	75.5	82.5	101.5	105.5	142	156.5	156.5	182	225	255	250	275	344	370	370
Q	3x3x20	3x3x25	5x5x28	5x5x32	6x6x32	8x7x45	8x7x45	8x7x45	10x8x50	10x8x50	10x8x70	12x8x80	14x9x80	18x11x90	20x12x90
ØR	-	-	41	38	55	55	55	72	80	90	100	-	140	147	147
S1	1.5	-	6	5.5	6	7	7	6	10	3	10	-	8	14	14
Т	5.5	-	8.5	8.5	12	6.5	6.5	6	8	20	10	15	20	20	20
T1	18.5	20	24	26.5	30	34	34	39	52	52	45	29	50	43	43
T2	11.5	-	20	20	18	18	18	31	40	20	40	10	35	20	20
T4	0	-	0	0	0	0	0	0	0	0	15	32	0	0	0
ØU	28	30	47	47	63	78	78	86	118	115	136	143	160	198	198
V	10	10	14	12	18	16	16	20	25	30	30	35	35	50	50
ØW	36	36	48	48	65	80	80	100	130	140	150	170	180	240	240
ØW1	45	36	60	68	83	110	110	140	160	140	180	210	200	280	280
ØW2	45	-	60	60	75	95	95	100	130	140	150	159	200	220	220
Х	20	20	20	20	20	25	25	25	25	25	30	50	50	50	50
Y	70	77.5	93	97	130	150	150	176	217	235	240	260	324	350	350
Y1	74	77.5	95	100	131	160	160	194	226	255	250	289	344	383	383
Y2	70	77.5	93	97	131	150	150	181	211	255	250	292	344	350	350

L = Lift

Load Diagram as per Euler



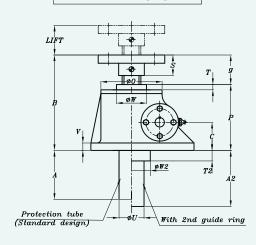




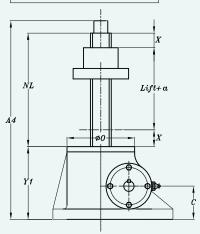
Dimension Drawings

Dimension Table Type 1 & Type 2

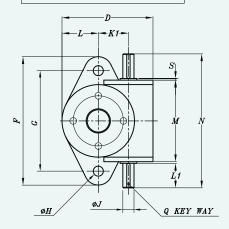
TYPE 1 DESIGN A



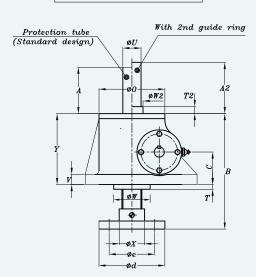
TYPE 2 DESIGN A



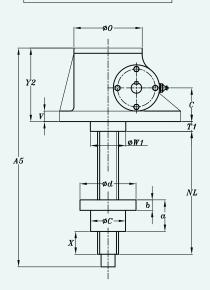
ONLY FOR MWJ-0.5



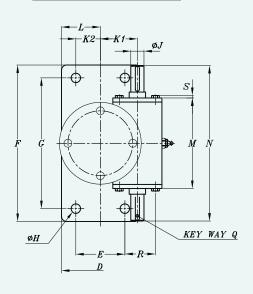
TYPE 1 DESIGN B



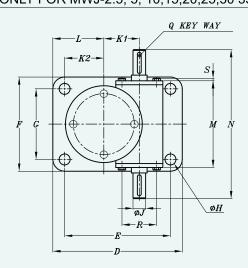
TYPE 2 DESIGN B



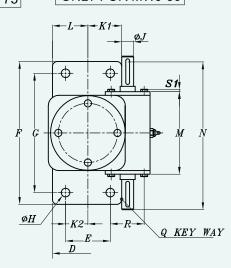
ONLY FOR MWJ-2



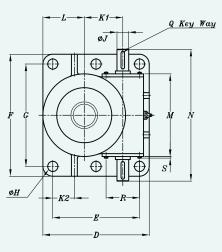
ONLY FOR MWJ-2.5, 5, 10,15,20,25,30 35 & 75



ONLY FOR MWJ-50



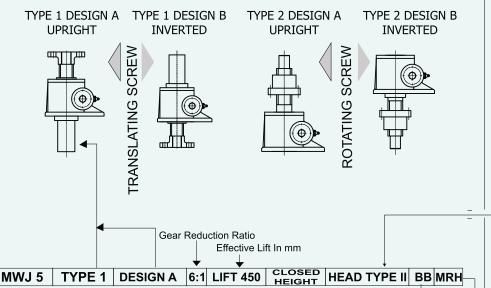
ONLY FOR MWJ- 100 & 150







Worm Gear Screw Jack



Worm Gear SCREW Jack Model

*************	cai coit	TT GUON III	ouci		
TON	KN	MODEL	TON	KN	MODEL
0.5	5	MWJ 0.5	20	200	MWJ 20
1	10	MWJ 1	25	250	MWJ 25
2	20	MWJ 2	30	300	MWJ 30
2.5	25	MWJ 2.5	35	350	MWJ 35
5	50	MWJ 5	50	500	MWJ 50
10	100	MWJ 10	75	750	MWJ 75
15	150	MWJ 15	100	1000	MWJ 100
			150	1500	MW.I 150

ADDITIONAL ACCESSORIES

Hand Wheel HW Hand Crank HC Limit Switch LS **Bellow Boots** BB **← Swivel Base** SB **Brake Motor** BM Reducers Red DC **Double Clevis** Anti Backlash AB Anti Turn (Keyed Version) AT Anti Turn +

Above Example:

Size MWJ 5 TON, Type 1 Design A, with Ratio 6:1, Lift 450 mm, Closed Height 450 + 193, Head Type II, Bellow Boots, Motor Mounted to right.

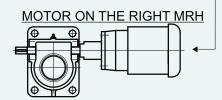
* Additional Closed height if any to be specified, refer catalogue, Dimension B,B1,NL

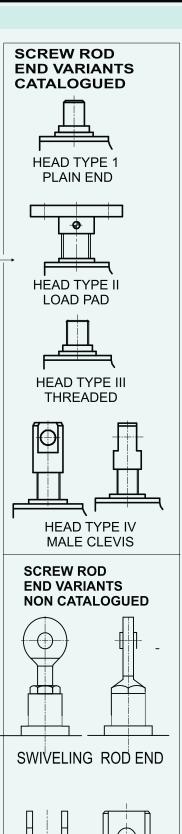
MOTOR ON THE LEFT MLH

Anti Backlash

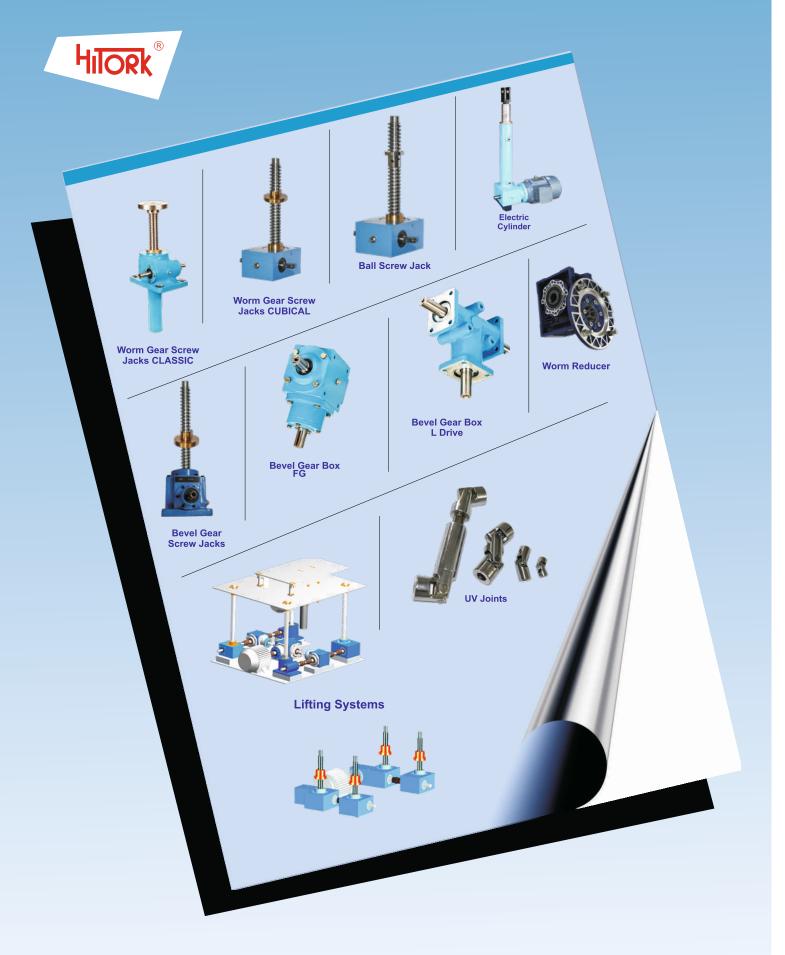


AT+AB





FORK TYPE HEAD





Gears and Gear Drives (India) Pvt Ltd

(ISO 9001-2015 Certified)

Sy. No. 31/2, M. Ramaiah Colony,Old Madras Road, Near Cheemsandra Gate Bangalore-560049 Karnataka, India

Tel: +91-8088931951/54 Email: info@ggdipl.com

Website: www.gearsandgeardrives.com

