



MODEL 'A' TILTING MOTOR BASE

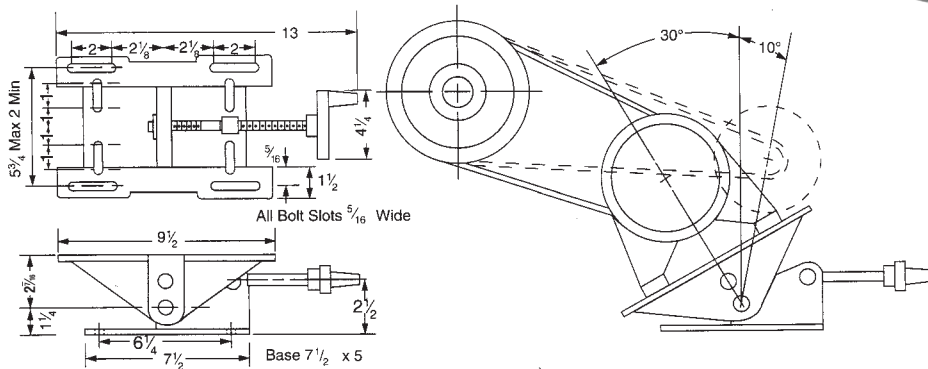
The Fractional Horsepower Tilting Motor Base is designed to accommodate up to and including a light duty 3/4 H.P. motor. The Tilting Motor Base is ideal for variable speed drives where the amount of space necessary for adjustment must be held to a minimum.

- Affords ample adjustment in the minimum space.
- Motor mounts are reversed for smaller motor frames.
- Can be used as a belt tightener or with step cone pulleys.

Weight..... 7 lbs.



**Product No.:
ABASE**



FIXED CENTER DRIVE DUAL-GROOVE VAR-A-CONE®

Fractional thru 1 HP

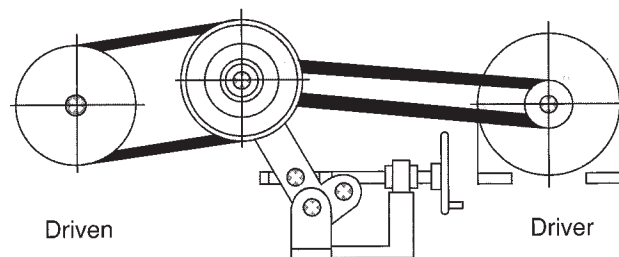
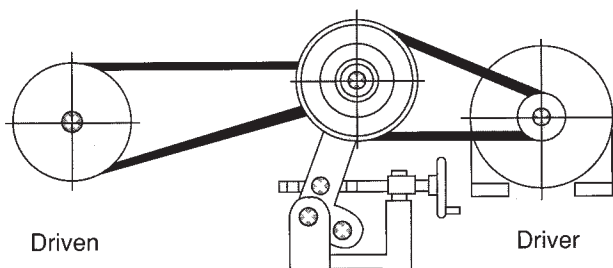


Selection

1. Determine desired maximum and minimum driven speed.
2. Select suitable DUAL-GROOVE pulley model dependent on required horsepower and speed ratio.
3. Divide maximum desired speed by the square root of the DUAL-GROOVE pulley speed ratio to obtain mean driven speed.

Mean driven
speed = $\frac{\text{Max. driven speed}}{\sqrt{\text{Speed ratio}}}$

4. Determine required driver and driven pulley diameters to obtain the mean driven speed.

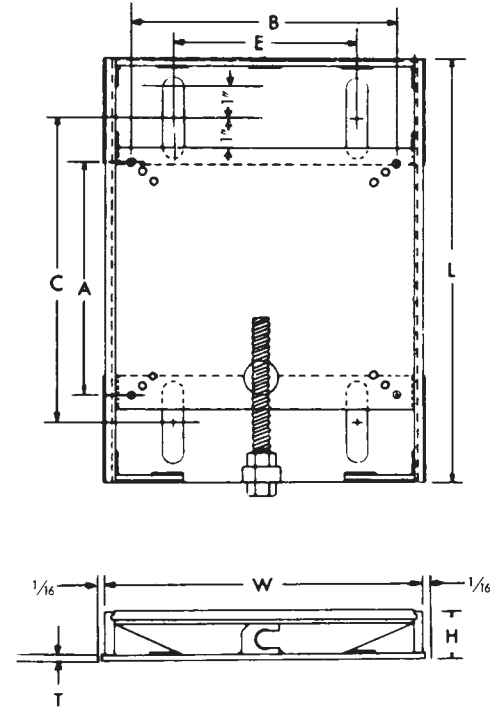
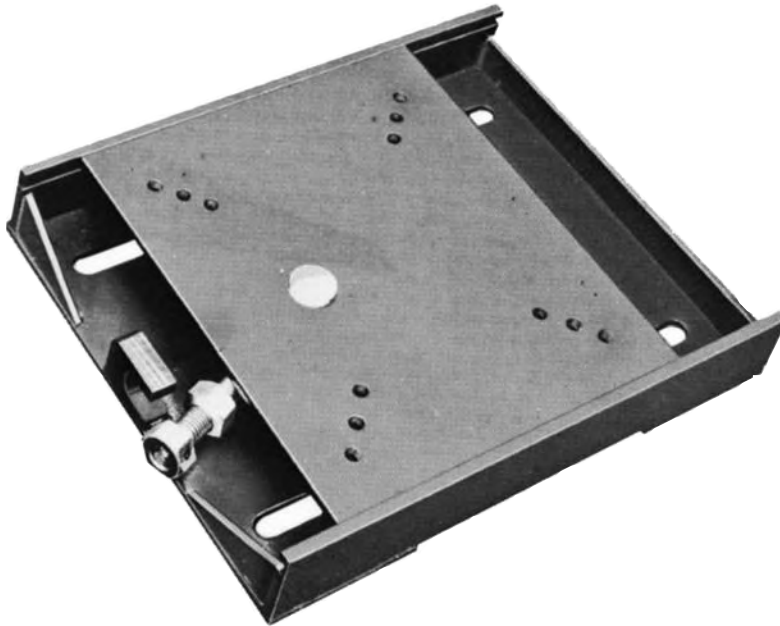


QS MOTOR BASE



Wood's QS "Quick-Slide" Motor Bases are of heavy-duty welded steel construction. A unique feature of the QS Motor Base is the provision for releasing the adjusting screw, permitting the motor to be moved freely and quickly. Its slender construction makes it suitable for applications where space is at a premium.

For ceiling mounting, use MBA base, page D1-50.



Product No.	NEMA Motor Frame Number	DIMENSIONS—INCHES								Amount of Movement, inches	No. & Size of Cap Screws for Motor, inches	No. & Size of Floor Bolts,* inches	Wt. Lbs.
		A	B	C	E	H	L	T	W				
QS1A	143	5-1/2	4	9-5/8	6-1/8	1-5/8	14	1/4	10-3/8	4-1/2	4-5/16	4-5/8	17.5
QS1B	145	5-1/2	5	9-5/8	6-1/8	1-5/8	14	1/4	10-3/8	4-1/2	4-5/16	4-5/8	17.5
QS1A	182	7-1/2	4-1/2	9-5/8	6-1/8	1-5/8	14	1/4	10-3/8	4-1/2	4-3/8	4-5/8	17.5
QS1B	184	7-1/2	5-1/2	9-5/8	6-1/8	1-5/8	14	1/4	10-3/8	4-1/2	4-3/8	4-5/8	17.5
QS1A	213	8-1/2	5-1/2	9-5/8	6-1/8	1-5/8	14	1/4	10-3/8	4-1/2	4-3/8	4-5/8	17.5
QS1B	215	8-1/2	7	9-5/8	6-1/8	1-5/8	14	1/4	10-3/8	4-1/2	4-3/8	4-5/8	17.5
QS2A	254	10	8-1/4	12-3/8	9	1-21/32	16-3/4	1/4	13-1/4	6	4-1/2	4-5/8	30.5
QS2A	256	10	10	12-3/8	9	1-21/32	16-3/4	1/4	13-1/4	6	4-1/2	4-5/8	30.5
QS2A	284	11	9-1/2	12-3/8	9	1-21/32	16-3/4	1/4	13-1/4	6	4-1/2	4-5/8	30.5
QS3A	286	11	11	15-1/8	12	1-21/32	19-1/2	1/4	16-1/4	6	4-1/2	4-5/8	42.0
QS3A	324	12-1/2	10-1/2	15-1/8	12	1-21/32	19-1/2	1/4	16-1/4	6	4-5/8	4-5/8	42.0
QS3B	326	12-1/2	12	15-1/8	12	1-21/32	19-1/2	1/4	16-1/4	6	4-5/8	4-5/8	43.5
QS3B	364	14	11-1/4	15-1/8	12	1-21/32	19-1/2	1/4	16-1/4	6	4-5/8	4-5/8	43.5
QS3A	365	14	12-1/4	15-1/8	12	1-21/32	19-1/2	1/4	16-1/4	6	4-5/8	4-5/8	42.0

*Floor bolts not furnished



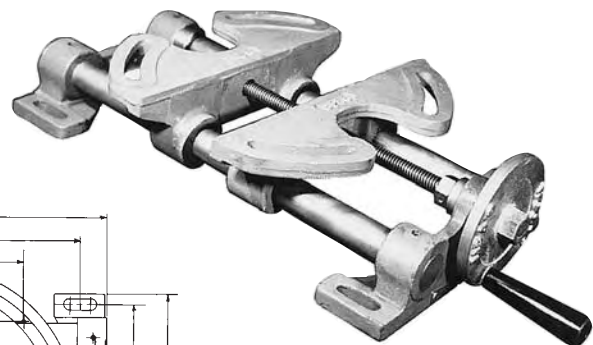
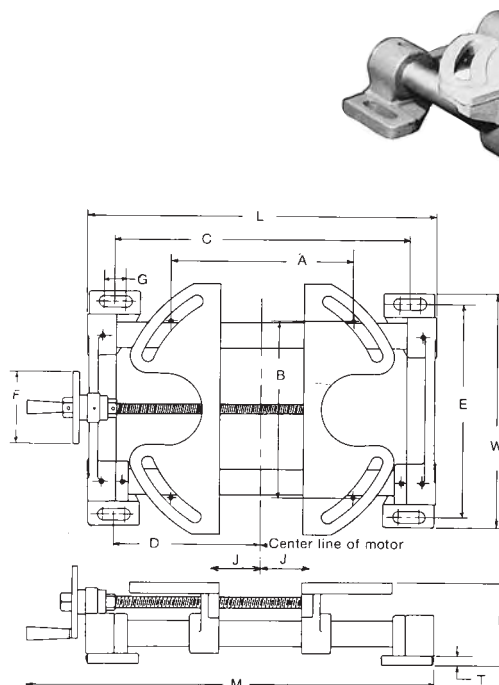
MBA MOTOR BASES

Wood's MBA Motor Bases feature heavy-duty cast iron construction for use with all types of variable speed drives. The base can be mounted in any position, and will accommodate NEMA motor frames 48 through 405. For applications requiring an angled motor base, the MBA base is designed to permit up to a 12° angle.

MBA MOTOR BASE DIMENSIONS

PRODUCT NO.	NEMA MOTOR FRAME NO.	A	B	ALL DIMENSIONS - INCHES			F	G	H	L	M	T	W	J TRAVEL EACH WAY
				C	D	E								
MB5*	48	4-1/4	2-3/4	16	8	7-5/8	2-13/16	13/16	3-3/8	18	20-1/2	9/16	9-1/2	4-15/16
	56	4-7/8	3	16	8	7-5/8	2-13/16	13/16	3-3/8	18	20-1/2	9/16	9-1/2	4-5/8
	143	5-1/2	4	16	8	7-5/8	2-13/16	13/16	3-3/8	18	20-1/2	9/16	9-1/2	4-5/16
	145	5-1/2	5	16	8	7-5/8	2-13/16	13/16	3-3/8	18	20-1/2	9/16	9-1/2	4-5/16
MBA15	143	5-1/2	4	15	7-1/2	9-5/16	2-13/16	1-1/4	3-3/8	17-1/2	21	7/16	10-1/2	5-3/4
	145	5-1/2	5	15	7-1/2	9-5/16	2-13/16	1-1/4	3-3/8	17-1/2	21	7/16	10-1/2	5-1/2
	182	7-1/2	4-1/2	15	7-1/2	9-5/16	2-13/16	1-1/4	3-3/8	17-1/2	21	7/16	10-1/2	4-5/8
	184	7-1/2	5-1/2	15	7-1/2	9-5/16	2-13/16	1-1/4	3-3/8	17-1/2	21	7/16	10-1/2	4-3/8
	213	8-1/2	5-1/2	15	7-1/2	9-5/16	2-13/16	1-1/4	3-3/8	17-1/2	21	7/16	10-1/2	3-7/8
	215	8-1/2	7	15	7-1/2	9-5/16	2-13/16	1-1/4	3-3/8	17-1/2	21	7/16	10-1/2	3-1/4
MBA25	254	10	8-1/4	18-3/8	9-3/16	13-9/16	5	1-1/2	5	25	30-5/16	7/8	15	6-1/4
	256	10	10	18-3/8	9-3/16	13-9/16	5	1-1/2	5	25	30-5/16	7/8	15	5-9/16
	284	11	9-1/2	18-3/8	9-3/16	13-9/16	5	1-1/2	5	25	30-5/16	7/8	15	5-1/4
	286	11	11	18-3/8	9-3/16	13-9/16	5	1-1/2	5	25	30-5/16	7/8	15	4-9/16
MBA30	324	12-1/2	10-1/2	20-1/4	10-1/8	14-1/2	5	1-1/2	5-11/16	23-7/8	28-5/8	3/4	16	4-9/16
	326	12-1/2	12	20-1/4	10-1/8	14-1/2	5	1-1/2	5-11/16	23-7/8	28-5/8	3/4	16	4
	364	14	11-1/4	20-1/4	10-1/8	14-1/2	5	1-1/2	5-11/16	23-7/8	28-5/8	3/4	16	3-1/2
	365	14	12-1/4	20-1/4	10-1/8	14-1/2	5	1-1/2	5-11/16	23-7/8	28-5/8	3/4	16	3-1/16
MB40*	404	16	12-1/4	24-1/2	12-1/4	17-1/2	6-3/4	1-1/2	6-1/2	28	33	7/8	19-3/16	4-5/16
	405	16	13-3/4	24-1/2	12-1/4	17-1/2	6-3/4	1-1/2	6-1/2	28	33	7/8	19-3/16	4-5/16

PRODUCT NO.	NEMA MOTOR FRAME NO.	SIZE OF 4 MOTOR CAPSCR. †	SIZE OF 4 FLOOR BOLTS †	WT. (LBS.)
MB5*	48	5/16	3/8	30
	56	5/16	3/8	30
	143	5/16	3/8	30
	145	5/16	3/8	30
MBA15	143	5/16	3/8	32
	145	5/16	3/8	32
	182	3/8	3/8	32
	184	3/8	3/8	32
	213	3/8	3/8	32
MBA25	254	1/2	5/8	105
	256	1/2	5/8	105
	284	1/2	5/8	105
	286	1/2	5/8	105
MBA30	324	5/8	5/8	115
	326	5/8	5/8	115
	364	5/8	5/8	115
	365	5/8	5/8	115
MB40*	404	3/4	5/8	200
	405	3/4	5/8	200

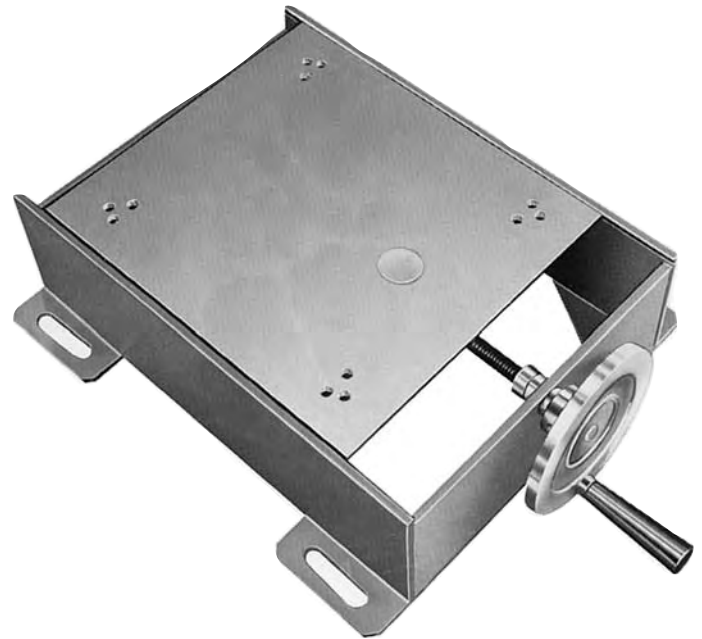
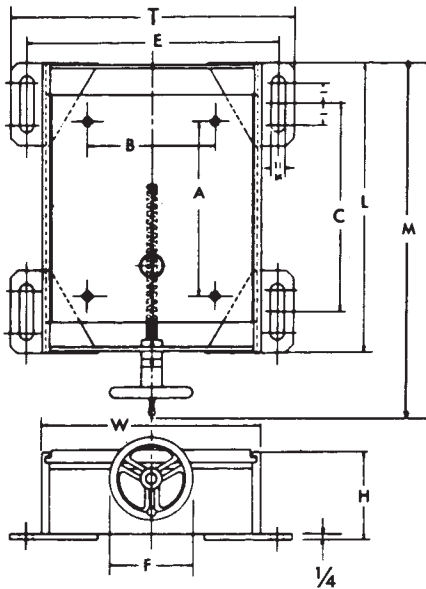


† Cap screw & bolts not furnished.

* The MB5 & MB40 are not designed for angle mounting.

Wood's MC Motor Bases are of heavy duty welded steel construction. This base is equipped with a hand-wheel for maximum ease of adjustment. For applications requiring an angled Motor Base, the motor base must be ordered with the drilling at the proper angle. Refer to page D1—22 for information on how to determine the proper angle for mounting the Motor Base.

This base is designed for floor mounting only. For ceiling mounting, use MBA base, page D1—50.



DO NOT use the MC-3 motor base for applications with MCS sheaves. For these applications use MBA motor base.

Motion Control Base Number	NEMA Motor Frame Number	DIMENSIONS - INCHES										Amount of Movement, Inches	No. & Size of Cap Screws for Motor, Inches	No. & Size of Floor Bolts,* Inches	Wt. Lbs.
		A	B	C	E	F	H	L	M	T	W				
MC-1A	143	5-1/2	4	9-1/2	12	4	4-1/4	14	17-5/8	13-1/2	10-3/8	6	4-5/16	4-5/8	25
MC-1B	145	5-1/2	5	9-1/2	12	4	4-1/4	14	17-5/8	13-1/2	10-3/8	6	4-5/16	4-5/8	25
MC-1A	182	7-1/2	4-1/2	9-1/2	12	4	4-1/4	14	17-5/8	13-1/2	10-3/8	6	4-3/8	4-5/8	25
MC-1B	184	7-1/2	5-1/2	9-1/2	12	4	4-1/4	14	17-5/8	13-1/2	10-3/8	6	4-3/8	4-5/8	25
MC-1A	213	8-1/2	5-1/2	9-1/2	12	4	4-1/4	14	17-5/8	13-1/2	10-3/8	6	4-3/8	4-5/8	25
MC-1B	215	8-1/2	7	9-1/2	12	4	4-1/4	14	17-5/8	13-1/2	10-3/8	6	4-3/8	4-5/8	25
MC-2A	254	10	8-1/4	13-3/4	15-1/8	6	5-9/32	18-1/4	24	16-5/8	13-1/4	8	4-1/2	4-5/8	50
MC-2A	256	10	10	13-3/4	15-1/8	6	5-9/32	18-1/4	24	16-5/8	13-1/4	8	4-1/2	4-5/8	50
MC-2A	284	11	9-1/2	13-3/4	15-1/8	6	5-9/32	18-1/4	24	16-5/8	13-1/4	8	4-1/2	4-5/8	50
MC-3A	286	11	11	20	18-1/8	6	5-9/32	24-1/2	30-1/4	19-5/8	16-1/4	10	4-1/2	4-5/8	66
MC-3A	324	12-1/2	10-1/2	20	18-1/8	6	5-9/32	24-1/2	30-1/4	19-5/8	16-1/4	10	4-5/8	4-5/8	66
MC-3B	326	12-1/2	12	20	18-1/8	6	5-9/32	24-1/2	30-1/4	19-5/8	16-1/4	10	4-5/8	4-5/8	66
MC-3B	364	14	11-1/4	20	18-1/8	6	5-9/32	24-1/2	30-1/4	19-5/8	16-1/4	10	4-5/8	4-5/8	66
MC-3A	365	14	12-1/4	20	18-1/8	6	5-9/32	24-1/2	30-1/4	19-5/8	16-1/4	10	4-5/8	4-5/8	66

*Floor bolts not furnished.