



MOUNTING HOLE DIMENSIONS						DESIGN LOADS						
CASE SIZE	DIMENSION - INCHES					DOWNWARD LOAD (LBS.)	BENDING (IN. LBS.)	TORSIONAL (IN. LBS.)				
	BTO	BTD	BRM	C	J				L	M	O	P
2				.75	5.9	6.00	12.00	6.00	12.00	620	7,500	5,110
3				.75	7.4	6.00	12.00	6.00	12.00	1,015	17,650	8,450
4				.88	8.8	8.25	16.50	5.00	10.00	1,510	34,500	14,350
5				1.00	9.3	8.25	16.50	5.00	10.00	3,275	60,000	21,000
6				1.00	11.5	11.25	22.50	7.50	15.00	5,500	158,000	31,000
7				1.125	13.0	10.00	20.00	8.00	16.00	6,250	306,000	45,000
8				1.375	15.0	12.50	25.00	11.00	22.00	8,400	355,000	84,000
9				1.375	18.0	14.00	28.00	12.50	25.00	12,400	419,000	126,000
20				1.00	7.5	6.00	12.00	6.00	12.00	1,015	17,650	8,450
21				1.00	9.5	7.00	14.00	7.00	14.00	1,510	34,500	14,350
22				1.00	8.5	8.00	16.00	8.00	16.00	3,275	60,000	21,000
30				.88	13.5	11.25	22.50	5.75	13.25	3,275	60,000	21,000
40				.88	14.0	11.25	22.50	6.75	15.00	4,715	95,000	42,960
50				1.00	15.0	12.63	25.25	7.25	16.25	6,300	142,000	57,275
60				1.12	17.0	13.75	27.50	8.38	21.75	10,350	235,000	85,950
70				1.12	20.0	16.25	32.50	9.75	24.00	13,100	319,000	143,200
80				1.38	23.0	19.00	38.00	11.50	30.00	16,350	476,000	175,000
90				1.38	23.0	19.00	38.00	11.50	30.00	19,950	476,000	229,100

TYPICAL MOUNTING BEAM SIZES

CASE SIZE	TANK DIAMETER OR BEAM SPAN - FEET							
	BTO	BTD	BRM	UP TO 10'	OVER 10' UP TO 15'	OVER 15' UP TO 20'	OVER 20' UP TO 25'	OVER 25' UP TO 30'
2				M4 X 13	M6 X 20	W8 X 24	W10 X 33	W10 X 49
3		20		W5 X 16	W8 X 18	W8 X 28	W10 X 39	W10 X 60
4&5	21&22		30	W5 X 16	W8 X 18	W8 X 35	W10 X 45	W10 X 68
6			40	M6 X 20	W8 X 21	W8 X 48	W10 X 60	W10 X 100
7			50	M6 X 25	W8 X 28	W8 X 48	W10 X 68	W10 X 100
8			60	W8 X 24	W8 X 40	W10 X 45	W10 X 100	W14 X 82
9			70	W8 X 35	W8 X 58	W10 X 60	W14 X 61	W14 X 109
			80	W8 X 48	W8 X 67	W10 X 77	W14 X 74	W14 X 120
			90	W8 X 48	W8 X 67	W10 X 77	W14 X 82	W14 X 132

NOTES:

1. TYPICAL SUPPORT STRUCTURE IS CONSTRUCTED OF TWO STEEL BEAMS WITH LATERAL AND END BRACING. ALL WELDS ARE CONTINUOUS.
2. TANK MAY BE ROUND, SQUARE, OR RECTANGULAR.
3. ROUND TANKS REQUIRE BAFFLES AS SHOWN.
4. BRAUN MIXER INC. WARRANTY APPLIES ONLY TO ITEMS FURNISHED BY BRAUN MIXER INC. ALL OTHER EQUIPMENT AND DESIGNS ARE THE RESPONSIBILITY OF OTHERS. BRAUN MIXER INC. DOES NOT WARRANT, GUARANTEE, OR ASSUME ANY RESPONSIBILITY FOR THE DESIGN OR CONSTRUCTION OF THE MOUNTING STRUCTURE FOR THE MIXER.
5. DESIGN LOADS ARE GREATER THAN ACTUAL LOADS BY A SUITABLE FACTOR TO PROVIDE FOR ADEQUATE DESIGN OF MIXER MOUNTING STRUCTURE.
6. DIMENSION "J" IS FOR CLEARANCE IN MOUNTING STRUCTURE AND IS TO BE CENTERED ON MIXER SHAFT CENTER LINE.

**BRAUN MIXER, INC.**

MIXER MODEL

**BTO, BTD & BRM SUPPORT STRUCTURE**

DIMENSION AND ASSEMBLY DRAWING

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