

dims in inches & mm	Symbol	MRT12	MRT16	MRT20	MRT24	MRT31	MRT39
Table diameter	D	12.60	15.75	19.69	24.80	31.50	39.37
	mm	320	400	500	630	800	1000
Base length	L	16.14	20.87	25.20	32.28	39.37	46.06
	mm	410	530	640	820	1000	1170
Base width	W	14.17	17.72	22.05	27.56	35.04	41.73
	mm	360	450	560	700	890	1060
Overall thickness	H	4.331	5.512	6.240	6.299	8.465	9.843
	mm	110	140	158.5	160	215	250
Weight lbs <sup>1</sup>		152	282	481	767	1,775	2,880
	kgs	69	128	218	348	805	1,306
T-slot width		0.55	0.55	0.71	0.71	0.87	0.87
	mm	14	14	18	18	22	22
T-slot qty		6	6	8	8	8	8
Standard motor		X86-118	X86-156	X86-156	X86-156	X86-156	X86-156
Optional motor1		X86-156	X110-110	X110-110	X110-110	X110-110	X110-110
Optional motor2		--	X110-150	X110-150	X110-150	X110-150	X110-150
Optional motor3		--	X110-180	X110-180	X110-180	X110-180	X110-180
Center hole taper		MT4	MT4	MT5	MT5	MT6	MT6
Center hole dia.	d	1.575	1.575	1.969	1.969	2.362	2.362
	mm	40	40	50	50	60	60
Mounting slot	M	0.709	0.709	0.866	0.866	0.866	--
	mm	18	18	22	22	22	--
Worm gear ratio		90	90	120	120	120	120
Worm gear module		2.5	3.5	3.5	4.5	5.5	5.5
Max load <sup>1</sup>	lbs	1,103	1,323	2,426	3,087	5,513	13,230
	kgs	500	600	1,100	1,400	2,500	6,000

**Notes:**

- Shipping weight is approximately 6% higher.
- Maximum load is 10X higher without damage, but the motor will not turn it. Maximum load can be 2X values shown if properly greased weekly or daily.
- All tables are flat and ground to .0008" or better. Table Top and Base are ground to within .0008" of parallel or better.
- The Table Top and Table Base bearing surfaces are precision ground steel, and lubrication and lubrication is included and required. The bearings are ground so tightly that no movement can be detected, this is excellent for extreme accuracy. Total runout is < .0005", typically < .0003".
- Tables are pre-packed with top quality Sta-lube CRC SL3330 Moly-Graph high pressure grease. Available from local stops and Harbor Freight. You may request no grease, and then you may add your own oil or grease. **DO NOT MIX OIL AND GREASE, ELSE IT TURNS TO SLUDGE.** Recommend you add grease daily or weekly into the small spring ball entry hole located on the side of the Table Top.
- The Table Top can be separated from the Table Base by removing the 3 thin nuts and washers on the Base bottom. The spindle bearing is extremely tight and requires extra care and force.