



TORQUE MULTIPLIERS WITH HANDLES

Features

- Provides the operator with nut-turning power that requires only a fraction of the force required when using conventional tools.
- Input and output rotation is in the same direction.
- Reaction bar rotation is opposite to input direction and must rest securely against a rigid object to withstand the generated reaction force.
- By removing 4 screws, heads may be easily disassembled for inspection, cleaning and lubrication.

TORQUE MULTIPLIERS WITH HANDLES

Product Code	Max Output Ft. Lbs.	Multiplication Ratio*	Approx. Ft. Lbs. Rq'd for Max Output	Input Female Sq.	Output Male Sq.	Head Thickness Inc. Tang	Head Diam.	Oal. Lgth. Inc. Reaction Bar
TM-750LW	1000	3.6 to 1	275	½	¾	3 ⅝	3 ½	22 ½
TM-1000	2000	3.6 to 1	550	¾	1	4 ⅝	3 ⅞	24
TM-1500	4000	3.9 to 1	1150	1	1 ½	6 ⅝	5 ⅞	28 ⅝
TM-2000	8000	4.6 to 1	1915	1	1 ½	6 ¼	6 ½	31
TM-2500	12000	5.4 to 1	2200	1	2 ½	7 ¼	7 ¼	30

* Multipliers are mechanical devices which have frictional losses. A 10% factor was included in the multiplication ratio. For higher accuracy of multiplication ratio, output of unit should be checked on torque tester.



TORQUE TOOLS

MULTIPLIERS



TORQUE MULTIPLIERS WITH PLANETARY-GEAR MECHANISM

Features

- Designed where high torques are necessary for fastening or breaking out stubborn fasteners.
- Allows operator safe and easy means of producing torque for job requirements.
- Precision planetary gear multiplies the operator's input from standard torque wrenches.
- Can also multiply the torque from air-driven (non-impact) wrenches.

TORQUE MULTIPLIERS WITH PLANETARY-GEAR MECHANISM

Product Code	Max Output Ft. Lbs.	Input Cap	Gear Ratio	Torque Ratio	Input Female Sq.	Output Sq. Size	Overall Length	Head Height Sq. to Top	Head Dia.
TM-290	750	227	4:1	3:1	½	¾	8 ½	3 ¼	2 ⅞
TM-391	1200	200	6:3:1	6:0:1	½	¾	19 ⅜	4	3 ⅞
TM-392	2200	162	15:0:1	13:6:1	½	1	19 ⅜	5 ¾	4 ⅞
TM-393	3200	173	20:25:1	18:5:1	½	1	19 ⅜	6 ½	4 ⅞





PLATE REACTION TORQUE MULTIPLIERS

Features

- Input torque holding ratchet - holds multiplier in place during torquing.
- Needle bearing construction for high efficiency.
- Standard reaction plate meets most job applications.
- Shearable output squares - to protect tool during overload.



PLATE REACTION TORQUE MULTIPLIERS

Product Code	Max Output Ft. Lbs.	Input Cap	Gear Ratio	Torque Ratio	Input Female Sq.	Output Sq. Size	Overall Length	Head Height Sq. to Top	Head Dia.
TM-394	5000	189	29:25:1	26:5:1	½	1 ½	14 29/32	8 ¾	5 ½
TM-395	8000	154	60:1	52:0:1	½	1 ½	15 13/64	10 ¾	5 13/16
TM-492	2200	162	15:1	13:6:1	½	1	14	5 ½	4 ¾
TM-493	3200	173	20:25:1	18:5:1	½	1	14	6 7/16	4 ¾



REPLACEMENT SQUARE DRIVES FOR TORQUE MULTIPLIERS

Replacement square drives for planetary-gear and plate reaction torque multipliers.

REPLACEMENT SQUARE DRIVES FOR TORQUE MULTIPLIERS

Product Code	Description
TM-391RSD	Repl. Sq Drive For TM-391
TM-392RSD	Repl. Sq Drive For TM-392 and TM-492
TM-393RSD	Repl. Sq Drive For TM-393 and TM-493
TM-394RSD	Repl. Sq Drive For TM-394
TM-395RSD	Repl. Sq Drive For TM-395



TORQUE TOOLS

MULTIPLIERS/COMPARATORS