

# HAND TORQUE MULTIPLIERS



**Bhartiya Torque Multipliers** are heavy duty tools used to increase the Torque produced by Torque Wrenches. They have been developed to meet the high Torque requirements and keeping in view space restrictions in Torque Wrench applications. **Torque multipliers are suggested for either tightening of high tensile bolts or loosening Rusty & Frozen but bolts.**

## FEATURES:

**Bhartiya Torque Multipliers** are precision Gear units designed for multiplication of input Torque multipliers are recommended to be used where very high Torque (over 100 kg mtr.) Are required to minimize input effort. As such the use of Torque multipliers reduces the manpower required as well as the operators fatigue.



The multiplier has a gear mechanism by which the Torque applied on the input side is multiplied in a particular ratio. Bharatiya Torque Multipliers are available in Multiplication Factors of 5:1 & 25:1. Torque Multiplier covers Torque requirement from 100 kg mtr. To 925 kg mtr. (750 lb. Ft to 7000 lb.ft)

## APPLICATIONS :

Bhartiya Tool Torque Wrenches are recommended to be used at the Input end to achieve an exactly calculated output Torque so the fluctuation of efficiency remains extremely small over period. It is extensively used in large Petrochemicals and Refineries.



## SPECIFICATIONS

Hand Torque Model No.	Maximum Output Torque			Estimated Bolt Capacity (S. Quantity)		Multi-lication Factor	Fe- male Input Sq.	Male Input Sq.	Major Dia	Depth	Recommended Torque Wrench No.	Approx. Weight with Reaction Plate Kg
	Lbft.	Nm.	Kgf.m.	In.	Mm		In.	In.				
BM - 1	1250	1700	170	1 1/8	28	5	1/2	3/4	115	85	BTW - 3000R	4.5
BM - 2	1250	1700	170	1 1/8	28	5	3/4	1	115	93	BTW - 3000R	5.0
BM - 2/25	1250	1700	170	1 1/8	28	25	1/2	1	115	120	BTW - 3600R	7.0
BM - 5	2000	2700	275	1 3/8	35	5	3/4	1	136	100	BTW - 5000R	8.0
BM - 5/25	2000	2700	275	1 3/8	35	25	1/2	1	136	130	BTW - 1200R	11.0
BM - 6	2500	3400	345	1 1/2	38	5	3/4	1 1/2	136	105	BTW - 8400R	8.5
BM - 6/25	2500	3400	345	1 1/2	38	25	1/2	1 1/2	136	130	BTW - 1200R	11.5
BM - 7	4500	6000	622	2 1/2	62	5	3/4	1 1/2	168	125	BTW - 12300R	15.5
BM - 7/25	4500	6000	622	2 1/2	62	25	1/2	1 1/2	168	180	BTW - 3000R	19.5
BM - 9/25	7000	9500	965	3	75	25	3/4	1 1/2	220	170	BTW - 5000R	27.0
BM - 9/125	7000	9500	965	3	75	125	1/2	1 1/2	220	230	BTW - 1200R	32.0
BM - 11/25	12500	17010	1734	3.1/2	89	25	3/4	2 1/2	245	-	BTW - 7200R	49.0
BM - 11/125	12500	17010	1734	3.1/2	89	125	1/2	2 1/2	245	-	BTW - 1200R	52.0
BM - 13/125	35000	47500	4845	4.1/2	114	125	3/4	2 1/2	315	-	BTW - 5000R	115.0