



TORQUE MULTIPLIERS



TORQUE MULTIPLIERS 9S290P, 9S291, 9S391 & 9S292

Compact. Low cost. Light weight. Rugged construction.

PART NUMBER	INPUT INTERNAL DRIVE	INPUT CAPACITY (FT-LBS)	OUTPUT EXTERNAL DRIVE	OUTPUT CAPACITY (FT-LBS)	TORQUE RATIO	ANGLE OF TURN PROTRACTOR	REPLACEABLE SQUARE	A-LENGTH	B-HEAD DIAMETER	C-HEIGHT	PACKAGED WEIGHT (LBS)	PART WEIGHT (LBS)
9S290P*	1/2" SQ	250	3/4" SQ	750	3.0:1	No	No	8-1/2"	2-13/16"	3-1/4"	4.9	4.0
9S291	1/2" SQ	333	3/4" SQ	1,000	3.0:1	No	No	17-1/16"	2-13/16"	3-1/4"	5.7	5.5
9S391*	1/2" SQ	200	3/4" SQ	1,200	6.0:1	Yes	9S391RS	19-9/16"	4"	4"	13.8	9.1
9S292	3/4" SQ	533	1" SQ	2,000	3.75:1	No	No	19-1/2"	4-1/2"	3-3/4"	13.9	12.0

*Packaged in red, molded plastic box. Example: 9S392B Ratio is 13.6 For every 1 ft. lb. input, the output is 13.6 ft. lbs. If the customer needs 1,400 ft. lbs. of torque: $1,400/13.6=103$ ft. lbs. of input torque. So the torque wrench needs to be set for 103 ft. lbs. When 103 is achieved multiplier will be sending out 1,400 ft. lbs. to the socket. There is a sticker on the handle of the multiplier to give the user the correct settings in ft. lbs. and Nm (Newton meters). It has the input and output ranges.



9S290P



9S291



9S391



9S292

TORQUE MULTIPLIERS 9S392B & 9S393A

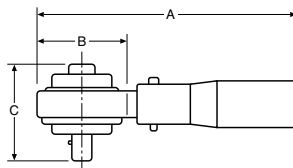
Low input torque. Needle bearings for high efficiency. Input torque holding ratchet – holds multiplier in place during torquing. $\pm 5\%$ accuracy – closer accuracy and torque certificates available. 1/2" square female input. Shearable output squares – drive shear at 3-10% overload to protect tool. A replacement drive included, is easily installed. Angle or turn protractor.

PART NUMBER	INPUT INTERNAL DRIVE	INPUT CAPACITY (FT-LBS)	OUTPUT EXTERNAL DRIVE	OUTPUT CAPACITY (FT-LBS)	TORQUE RATIO	ANGLE OF TURN PROTRACTOR	REPLACEABLE SQUARE	A-LENGTH	B-HEAD DIAMETER	C-HEIGHT	PACKAGED WEIGHT (LBS)	PART WEIGHT (LBS)
9S392B*	1/2" SQ	162	1" SQ	2,200	13.6:1	Yes	9S392RS	19-9/16"	4-1/16"	5-3/4"	20.2	15.2
9S393A*	1/2" SQ	173	1" SQ	3,200	18.5:1	Yes	9S393RS	19-9/16"	4-1/16"	6-1/2"	22.2	18.3

*Packaged in red, molded plastic box.



9S392B, 9S393A



REPLACEMENT OUTPUT SQUARES FOR TORQUE MULTIPLIERS

PART NUMBER	DESCRIPTION
9S391RS	3/4" Replacement Square for Multiplier 9S391
9S392RS	1" Replacement Square for Multiplier 9S392B & 9S492
9S393RS	1" Replacement Square for Multiplier 9S393A
9S394RS	1-1/2" Replacement Square for Multiplier 9S394
9S395RS	1-1/2" Replacement Square for Multiplier 9S395

Square shears at 3% - 10% overload to protect tool. Guarantee does not apply.

