

# AUTOMOTIVE RACING PRODUCTS, INC.

THE WORLD LEADER IN RACING FASTENER TECHNOLOGY SINCE 1968



## ARP GENERAL TORQUE RECOMMENDATIONS

Listed below are the general torque recommendations for bulk 5-packs and engine/accessory fasteners. Recommended torque is equal to 75% of the fastener's yield strength. Simply read down to the correct fastener size, then across to find the torque value for your application. Always use ARP Ultra-Torque<sup>®</sup> and follow the instructions below to ensure the correct preload is created.



1. Apply ARP Ultra-Torque<sup>®</sup> to fastener threads and the underhead of the bolt or underside of the nut.
2. Install fastener hand tight.
3. Use torque wrench to install fastener to the torque value from the chart below.

**NOTE 1:** The torque values represented here are intended to be for general information only, not for specific installations.

**NOTE 2:** On specific installations, when the supplied instructions deviate from the torque values listed here, always follow the specific instructions packaged with each kit.

### Recommended Torque to Achieve Optimum Preload (Clamping Force) Using ARP Ultra-Torque<sup>®</sup> Fastener Assembly lubricant\*

Note: For those using Newton/meters as a torquing reference, you must multiply the appropriate ft./lbs. factor by 1.356

Fastener Diameter	Fastener Tensile Strength					
	170,000 / 180,000 (PSI) ( 1,171 Nmm <sup>2</sup> )		190,000 / 200,000 (PSI) ( 1,300 Nmm <sup>2</sup> )		220,000 (PSI) ( 1,515 Nmm <sup>2</sup> )	
	TORQUE* ( Ft. / Lbs. )	PRELOAD ( Lbs. )	TORQUE* ( Ft. / Lbs. )	PRELOAD ( Lbs. )	TORQUE* ( Ft. / Lbs. )	PRELOAD ( Lbs. )
1/4"	12	3,492	14	3,967	16	4,442
5/16"	24	5,805	28	6,588	32	7,371
3/8"	45	8,622	50	9,782	55	10,942
7/16"	70	11,880	80	13,470	90	15,060
1/2"	110	16,391	125	18,515	140	20,639
9/16"	160	21,220	180	23,944	200	26,668
5/8"	210	26,372	240	29,756	270	33,140
6 mm	11	3,359	13	3,814	15	4,269
8 mm	24	5,801	28	6,581	32	7,361
10 mm	54	9,970	62	11,305	70	12,640
11 mm	72	12,184	82	13,961	92	15,738
12 mm	98	14,472	112	16,949	125	19,425
14 mm	N/A	N/A	184	22,771	205	25,730
16 mm	N/A	N/A	244	29,664	272	33,519

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