

# BOLT LOAD (METRIC) SOCKET HEAD CAP SCREWS (MATERIAL GR 12.9)

## 40% - 99% YIELD



<b>Southwest Texas</b>	<b>West Texas</b>	<b>Main Office</b>	<b>Southeast Texas</b>	<b>Central &amp; East Texas</b>
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## BOLT LOADS

TORQUE GUIDE FOR <b>SOCKET HEAD CAP SCREWS (METRIC)</b>													
MATERIAL: <b>ASTM A 574M</b> DIN ENISO4762-ALLOY STEEL													
PROPERTY CLASS 12.9-ISO 898/1 (Gr. 12.9)													
BOLT LOAD BASED ON <b>60</b> PERCENT YIELD													
					<b>REQUIRED TORQUE (N-m)</b>								
BOLT SIZE	THREAD PITCH	HEX ACROSS FLAT	STRESS AREA (mm) <sup>2</sup>	BOLT LOAD (kN)	LoaDISC TS801 MOLY K=.109	MOLYBDENUM DISULFIDE K=.100	MOLY/LEAD OXIDE/GRAPHITE K=.125	COPPER & GRAPHITE K=.140	NICKEL & GRAPHITE K=.150	API SA2 K=.157	MACHINE OIL K=.20	DRY STEEL K=.440	CUSTOM INSERT 0.1
M20	2.5	17	245	165.27	360	331	413	463	496	519	661	1,454	331
M24	3	19	353	237.99	623	571	714	800	857	897	1,142	2,513	571
M30	3.5	22	561	378.42	1,237	1,135	1,419	1,589	1,703	1,782	2,270	4,995	1,135
M36	4	27	817	551.32	2,163	1,985	2,481	2,779	2,977	3,116	3,969	8,733	1,985
M42	4.5	32	1121	756.65	3,464	3,178	3,972	4,449	4,767	4,989	6,356	13,983	3,178
M48	5	36	1473	994.42	5,203	4,773	5,967	6,683	7,160	7,494	9,546	21,002	4,773

