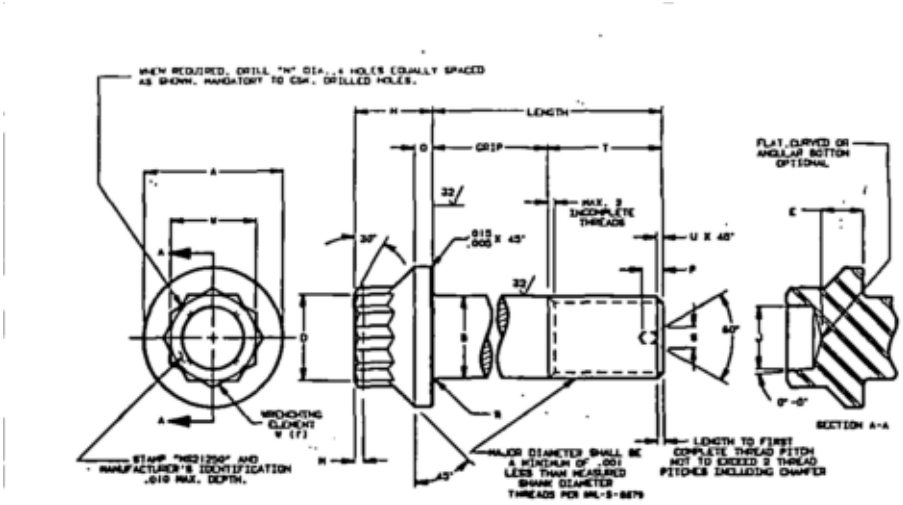
MS21250-16082

12-Point External-Wrenching Flange Bolt · 180 KSI · 1.0000-12

SPECIFICATIONS

Standard	MS21250 Rev L (1989) → NASM21250; procurement per MIL-B-8831
Thread	1.0000-12 UNJF-3A, rolled, per MIL-S-8879
Grip Length	5.125 in (±.010)
Overall Length	6.749 in (±.015)
Head Diameter (A)	1.615 – 1.625 in
Shank Diameter (B)	0.9980 – 0.9990 in
Flange Diameter (W)	1.0625 in
Head Height (H)	0.923 in
Thread Length (T)	1.479 in ref
Ultimate Tensile Strength	180,000 – 200,000 psi
Double Shear Strength	169,600 lbf
Tensile Strength (min)	126,000 lbf
Material	AISI 4340 alloy steel (4140/8740/6150 alternates)
Hardness	HRC 39–43
Finish	Cadmium plate + chromate, QQ-P-416 Type II Class 2
Head Marking	MS21250 + manufacturer code
FSC	5306 (Bolts)
NSN	5306-00-146-2680
ECCN	EAR99 · Schedule B 7318.15.8085



NOTES

1. Dimensions apply after plating. General tolerances ±.010 in, angles ±2°.
2. Made to order at Kunshan Dongluo Hardware Products Co., Ltd. — lead time 4 weeks, no MOQ on standard sizes.
3. Every lot ships with CoC, mill material report (heat-lot traceable) and dimensional inspection report; FAI on request.
4. No drilled-head variant in this diameter group. Same-group grips 3.500–5.125 in available.
5. DDP delivery worldwide — US import duty and Section 301 tariffs included in quoted price.