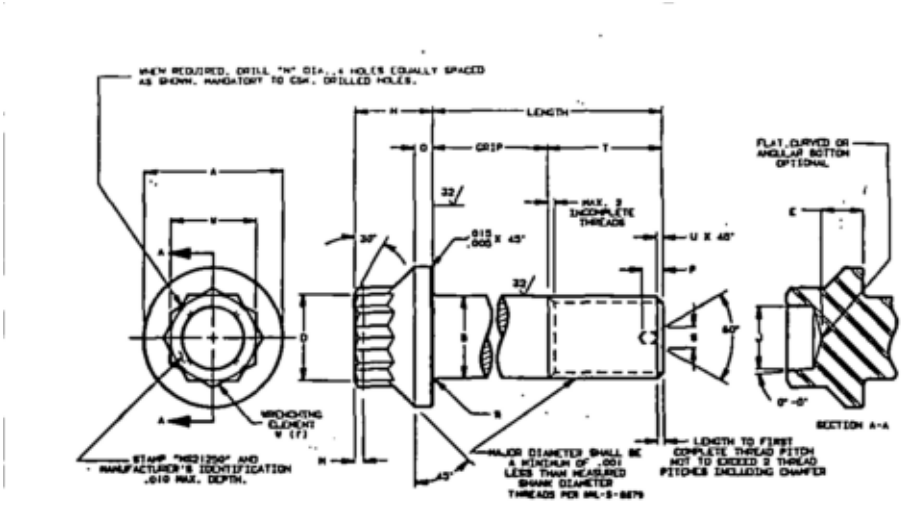
MS21250-04040

12-Point External-Wrenching Flange Bolt · 180 KSI · .2500-28

SPECIFICATIONS

Standard	MS21250 Rev L (1989) → NASM21250; procurement per MIL-B-8831
Thread	.2500-28 UNJF-3A, rolled, per MIL-S-8879
Grip Length	2.500 in (±.010)
Overall Length	3.012 in (±.015)
Head Diameter (A)	0.428 – 0.438 in
Shank Diameter (B)	0.2485 – 0.2495 in
Flange Diameter (W)	0.3125 in
Head Height (H)	0.300 in
Thread Length (T)	0.492 in ref
Ultimate Tensile Strength	180,000 – 200,000 psi
Double Shear Strength	10,600 lbf
Tensile Strength (min)	6,980 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	5306-00-969-3161
ECCN	9A991 · 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. Drilled-head variant for safety wire: MS21250H04040. Same-group grips 0.250–3.625 in available.
5. DDP delivery worldwide — US import duty and Section 301 tariffs included in quoted price.