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72664 – BOLT, SHOULDER

✓ Government record, cited

— · BOLT SCREW

PRODUCT OVERVIEW

72664: BOLT, SHOULDER.

The BOLT, SHOULDER is a the manufacturer industrial component. Key specifications include current_rating_method: LOAD. This part is cataloged in the U.S.

Government catalog under NSN 5306-00-166-2109, indicating validated use in U.S. government and defense logistics supply chains. Available through authorized enterprise resellers and TPM (Third Party Maintenance) channels.

Verify compatibility with your specific system configuration before ordering.

WHERE IT FITS

72664

NSN: 5306-00-166-2109
NIINs: 001662109 , 011278408
FSC: 5306 — Bolts
CAGE: 00198 — PRATT & WHITNEY CANADA CORP DIV PRATT & WHITNEY CANADA CORP. (CAN)

SPECIFICATIONS

current_rating_methodLOAD	
NSN	5306-00-166-2109

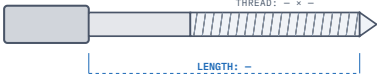
COMPONENT DIAGRAM

BOLT / SCREW – THREAD VERIFICATION REQUIRED



Hex HEAD

MATERIAL: -



THREAD: - x -

LENGTH: -

PN: 72664 · OEM

⚠ VERIFY BEFORE ORDERING

Verify thread pitch before ordering – metric (M8x1.25) ≠ imperial (5/16-18). Wrong thread = wrong part.
Grade/class stamped on bolt head determines tensile strength

✓ BROKER TIP

Grade/class stamped on head determines tensile strength. Grade 8 > Grade 5 > Grade 2.
Always confirm head marking matches specification requirement

PARTSTABLE TECHNICAL DRAWING – NOT TO SCALE

KEY FEATURES

- HEAD HEIGHT: 0.200 INCHES NOMINAL IN
- FASTENER LENGTH: 3.680 INCHES NOMINAL IN
- SHOULDER LENGTH: 2.840 INCHES NOMINAL FIRST SHOULDER IN
- SHOULDER DIAMETER: 0.4465 INCHES MINIMUM AND 0.4470 INCHES MAXIMUM FIRST SHOULDER IN
- THREAD LENGTH: 0.620 INCHES MINIMUM IN
- SHOULDER SHAPE: ROUND FIRST SHOULDER
- SHANK UNTHREADED HOLE DIAMETER: 0.109 INCHES MINIMUM AND 0.109 INCHES MAXIMUM FIRST HOLE IN
- MATERIAL DOCUMENT AND CLASSIFICATION: AMS 6300 ASSN STD SINGLE MATERIAL RESPONSE OVERALL

TECHNICAL CHARACTERISTICS

HEAD HEIGHT	0.200 INCHES NOMINAL IN
FASTENER LENGTH	3.680 INCHES NOMINAL IN
SHOULDER LENGTH	2.840 INCHES NOMINAL FIRST SHOULDER IN
SHOULDER DIAMETER	0.4465 INCHES MINIMUM AND 0.4470 INCHES MAXIMUM FIRST SHOULDER IN
THREAD LENGTH	0.620 INCHES MINIMUM IN

SHOULDER SHAPE	ROUND FIRST SHOULDER
SHANK UNTHREADED HOLE DIAMETER	0.109 INCHES MINIMUM AND 0.109 INCHES MAXIMUM FIRST HOLE IN
MATERIAL DOCUMENT AND CLASSIFICATION	AMS 6300 ASSN STD SINGLE MATERIAL RESPONSE OVERALL
NOMINAL THREAD DIAMETER	0.438 INCHES IN
HEAD STYLE	HEXAGON

SUBSTITUTES & CROSS-REFERENCES

No substitute or cross-reference records for this part.

LIFECYCLE

NSN status

Active

 · U.S. Government catalog

Acquisition advice: Normally procured from the manufacturer (OEM)

No demilitarization required

FREQUENTLY ASKED QUESTIONS

What is 72664?

72664 is a BOLT,SHOULDER.

What is the NSN for 72664?

72664 is cataloged in the U.S. Government catalog under NSN 5306-00-166-2109. This indicates validated use in U.S. government and defense supply chains.

✓
 PartsTable — the parts reference. Every fact cited to its source.


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U.S. Government catalog: edition PUBLOGDVD v12.0.0 (OCT 2026), edition date 2026-10-01, retrieved 2026-10-18.

PartsTable commercial catalog: edition Unified commercial catalog snapshot through 2026-09-28, edition date not on file, retrieved 2026-09-28.