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AS6315™

RATIONALE

FEDERAL SUPPLY CLASS
5970

THIS DESIGN STANDARD SETS FORTH THE DIMENSIONS AND GAGING SYSTEM FOR THE EXTERNAL MORTORQ® SUPER BOLT HEAD SPIRAL DRIVE SYSTEM AND IS SUPPLEMENTAL TO FASTENER STANDARDS DEVELOPED THAT INCORPORATE THIS DRIVE FEATURE.

AS6315 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

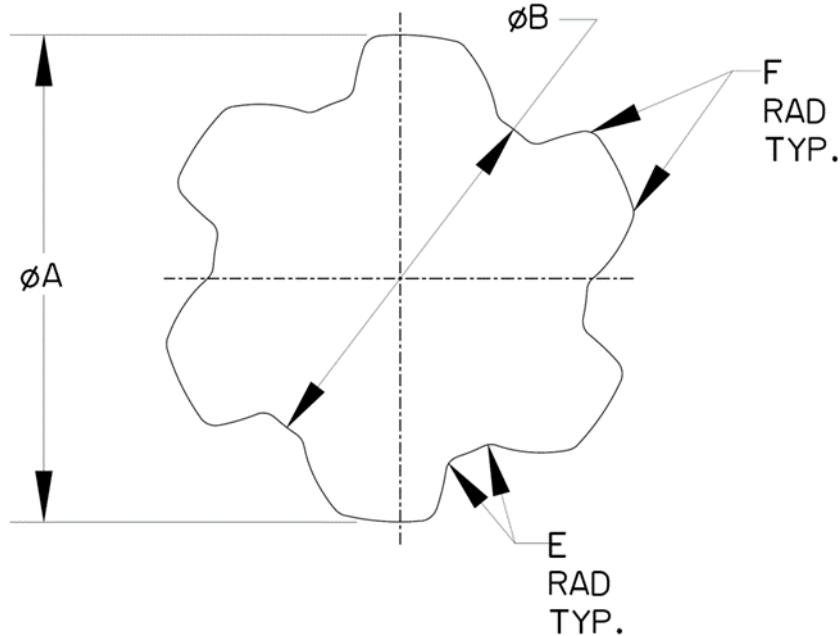
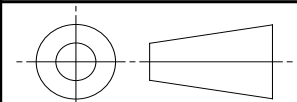


FIGURE 1 - WRENCHING CONFIGURATION

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6315/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

WRENCHING CONFIGURATION
EXTERNAL MORTORQ® SUPER
SPIRAL BOLT HEAD

AS6315™
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Documents

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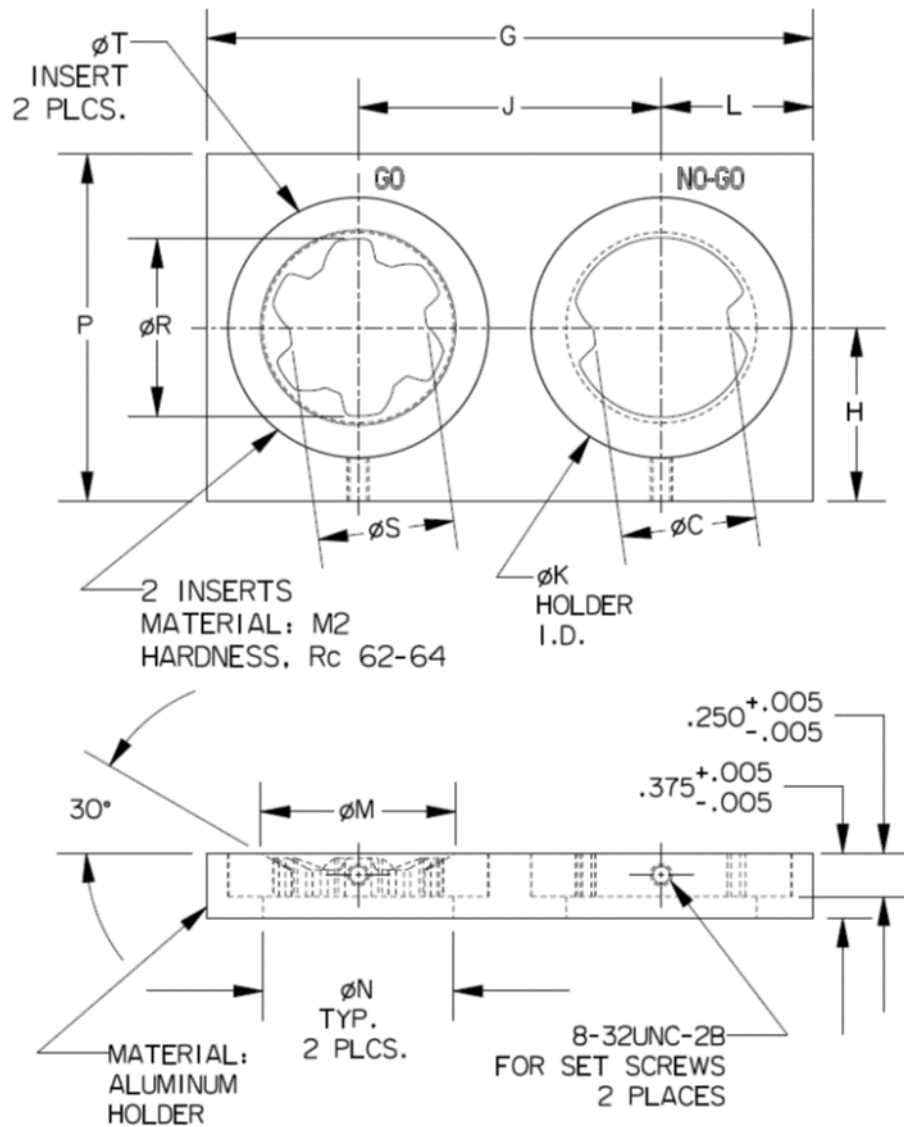


FIGURE 2 - GO/NO GO GAGE

GO RING GAGE:

USING LIGHT FINGER PRESSURE ONLY, PLACE THE BOLT HEAD INTO THE GO GAGE UNTIL RESISTANCE IS FELT. FAILURE TO BOTTOM THE BOLT HEAD INTO THE GAGE SHALL BE CAUSE FOR REJECTION.

NO-GO RING GAGE:

USING LIGHT FINGER PRESSURE ONLY, PLACE TWO OPPOSING ROOTS OF THE BOLT HEAD INTO THE NO-GO GAGE UNTIL RESISTANCE IS FELT. ROTATE THE BOLT HEAD AND CHECK ALL THREE OPPOSING ROOTS FOR FIT. GAGE ENTRY BEYOND THE ACCEPTABLE EXTERNAL FALLAWAY LIMIT AT THE HEAD SURFACE OF ANY OPPOSING ROOTS ORIENTATION IS CAUSE FOR REJECTION.



AEROSPACE STANDARD

WRENCHING CONFIGURATION
 EXTERNAL MORTORQ® SUPER
 SPIRAL BOLT HEAD

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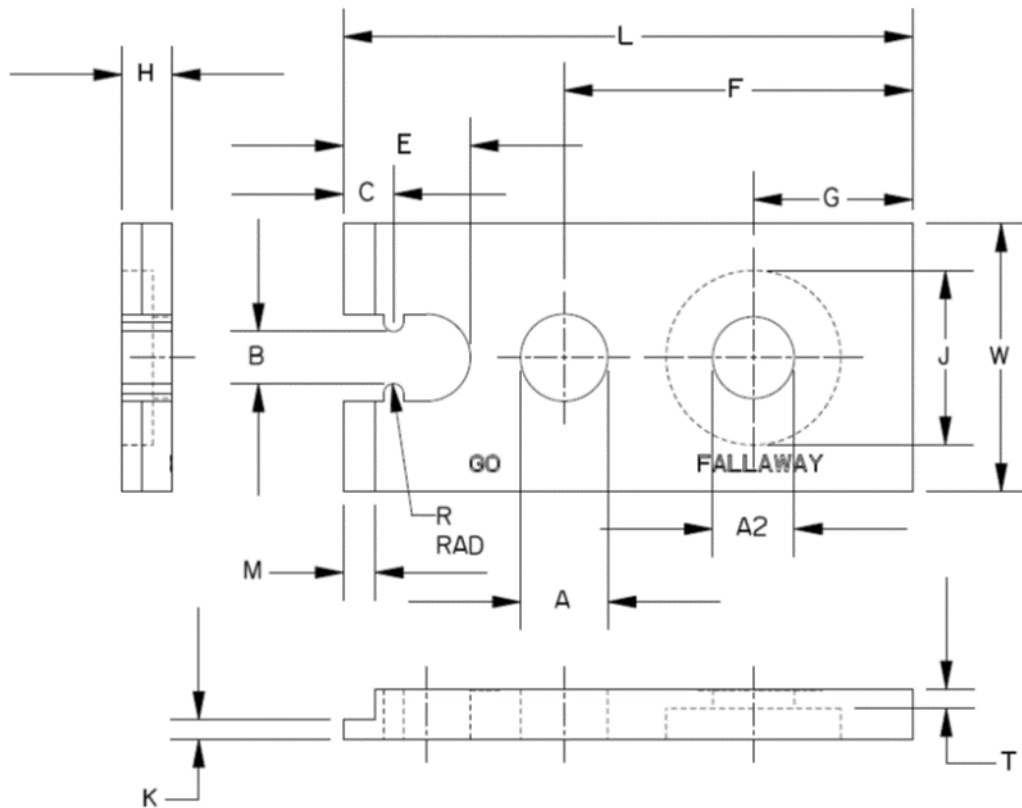


FIGURE 3 - FALL AWAY GAGE

FALLAWAY ROOT STEP GO-GAGE:

USING LIGHT FINGER PRESSURE ONLY, PLACE TWO OPPOSING ROOTS OF THE BOLT HEAD INTO THE FALLAWAY ROOT STEP GO-GAGE. ROTATE THE BOLT HEAD AND CHECK ALL THREE OPPOSING ROOTS FOR FIT. FAILURE TO BOTTOM THE BOLT HEAD IN THE GAGE IN ANY OPPOSING ROOTS ORIENTATION IS CAUSE FOR REJECTION. FAILURE OF THE BOLT HEAD TO EXTEND BEYOND THE FIRST STEP ("K" HEIGHT) OF THE GAGE IS ALSO CAUSE FOR REJECTION.

FALLAWAY CYLINDRICAL GO-GAGE:

USING LIGHT FINGER PRESSURE ONLY, PLACE THE BOLT HEAD INTO THE APPROPRIATE CYLINDRICAL GO-GAGE. FAILURE TO BOTTOM THE BOLT HEAD IN THIS GAGE IS CAUSE FOR REJECTION.

FALLAWAY CYLINDRICAL STEP GAGE:

USING LIGHT FINGER PRESSURE ONLY, PLACE THE BOLT HEAD THROUGH THE BOTTOM OF THE FALLAWAY CYLINDRICAL STEP GAGE. THE TOP OF THE BOLT HEAD EXTENDING BEYOND THE TOP SURFACE OF THE GAGE IS CAUSE FOR REJECTION.

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	WRENCHING CONFIGURATION EXTERNAL MORTORQ® SUPER SPIRAL BOLT HEAD		

