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REV.
B

AS3568™

FEDERAL SUPPLY CLASS
5305

RATIONALE

TO BRING DOCUMENT UP TO CURRENT E-25 NOTE FORMAT AND FIGURE 1 REDRAWN WITH "REF" ADDED TO DIMENSION "F."

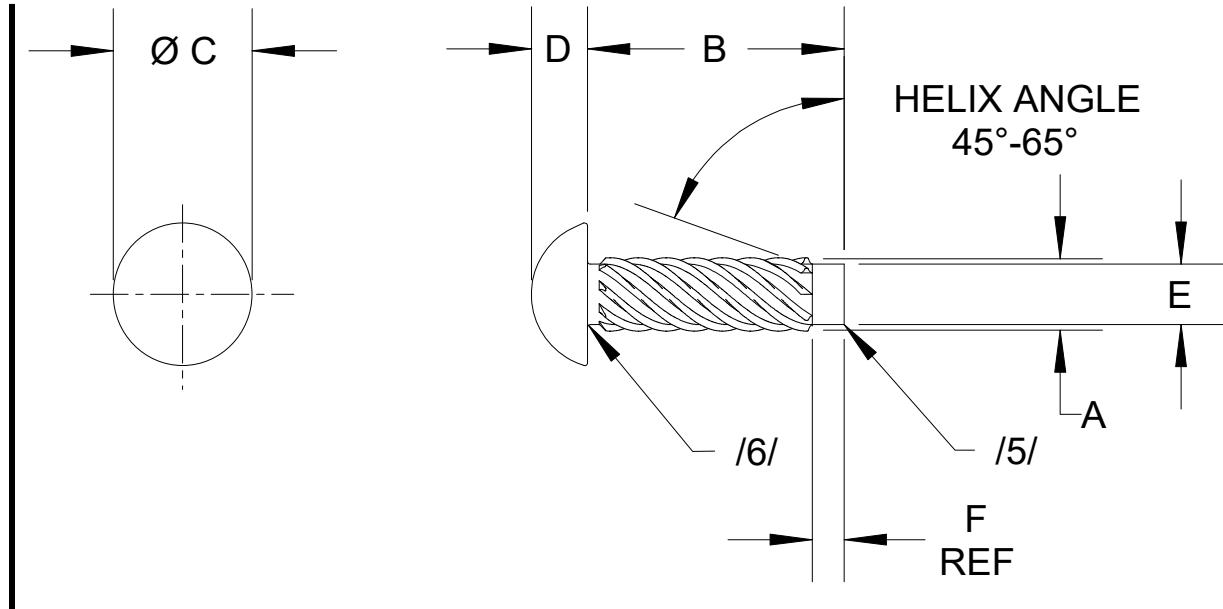
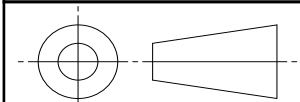


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3568B/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

SCREW, DRIVE, ROUND HEAD, TYPE U
AMS5504 (UNS S41000)

AS3568™
SHEET 1 OF 3

REV.
B

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TABLE 1

PART NO.	SCREW SIZE (NOM)	THREAD STARTS	ϕ A	B LENGTH	ϕ C	D	ϕ E	F REF	RECOMMENDED HOLE SIZE DRILL SIZE	RECOMMENDED HOLE SIZE HOLE DIA
AS3568-01	.058	6	.057-.060	.110-.140	.090-.099	.026-.034	.046-.049	.047	55	.052
AS3568-02				.173-.203						
AS3568-03				.235-.265						
AS3568-07	.073	6	.072-.075	.110-.140	.118-.127	.041-.049	.060-.063	.047	51	.067
AS3568-08				.173-.203						
AS3568-09				.235-.265						
AS3568-13	.098	8	.097-.100	.110-.140	.146-.162	.059-.069	.080-.083	.047	44	.086
AS3568-14				.173-.203						
AS3568-15				.235-.265						
AS3568-19	.114	7	.112-.116	.110-.140	.193-.211	.075-.086	.092-.096	.047	37	.104
AS3568-20				.173-.203						
AS3568-21				.235-.265						
AS3568-22				.297-.328						
AS3568-23				.360-.390				.063		
AS3568-27	.138	7	.136-.140	.235-.265	.240-.260	.091-.103	.112-.116	.047	31	.120
AS3568-28				.297-.328						
AS3568-29				.360-.390				.063		
AS3568-30				.469-.531						
AS3568-35	.152	8	.150-.154	.297-.328	.264-.285	.099-.111	.122-.126	.047	29	.136
AS3568-36				.360-.390				.063		
AS3568-37				.469-.531						
AS3568-41	.164	8	.162-.167	.360-.390	.287-.309	.107-.120	.132-.136	.063	27	.144
AS3568-42				.469-.531						
AS3568-43				.594-.656				.078		
AS3568-46	.179	8	.177-.182	.360-.390	.334-.359	.123-.137	.146-.150	.063	20	.161
AS3568-47				.469-.531						
AS3568-48				.594-.656				.078		
AS3568-52	.209	8	.206-.212	.469-.531	.382-.408	.139-.153	.173-.177	.078	11	.191
AS3568-53				.594-.656						
AS3568-54				.719-.781						
AS3568-57	.239	9	.236-.242	.469-.531	.429-.457	.155-.170	.198-.202	.078	2	.221
AS3568-58				.594-.656						
AS3568-59				.719-.781						

NOTES:

- UNLESS OTHERWISE AS SHOWN, DIMENSIONS, TOLERANCES, AND PERFORMANCE SHALL BE IN ACCORDANCE WITH ANSI B18.6.4, TYPE U.
- MATERIAL: AMS5504 (UNS S41000) HEAT TREATED TO 35 TO 45 HRC.
- FINISH: PASSIVATION: ASTM A380.
- ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED.
- THE BLUNT END OF THE PILOT MAY HAVE A SLIGHT ANGLE DUE TO THE NATURAL FLOW OF MATERIAL IN THE CUT-OFF PROCESS.
- METALLIC DRIVE SCREWS SHALL HAVE FULLY FORMED THREADS EXTENDING FROM BASE OF PILOT TO THE HEAD EXCEPT THAT THE THREADS AT THE STARTING END AND UNDER THE HEAD MAY BE INCOMPLETE FOR A LENGTH EQUAL TO ONE-HALF OF THE MAXIMUM SCREW DIAMETER DUE TO THE NATURAL FLOW OF MATERIAL IN THE THREAD FORMING PROCESS.
- PACKAGING: ASTM D3951.
- THE MANUFACTURER'S SYSTEM FOR PARTS PRODUCTION SHALL BE BASED ON PREVENTING PRODUCT DEFECTS, RATHER THAN DETECTING THE DEFECTS AT FINAL INSPECTION AND THE REQUIRING CORRECTIVE ACTION TO BE INVOKED. AN EFFECTIVE MANUFACTURING IN-PROCESS CONTROL SYSTEM (E.G., STATISTICAL PROCESS CONTROL - SPC) SHALL BE ESTABLISHED, SUBJECT TO THE APPROVAL OF THE PURCHASER, AND USED DURING PRODUCTION OF DRIVE SCREWS.

	AEROSPACE STANDARD		AS3568™ SHEET 2 OF 3	REV. B
	SCREW, DRIVE, ROUND HEAD, TYPE U AMS5504 (UNS S41000)			

