



AS 3305

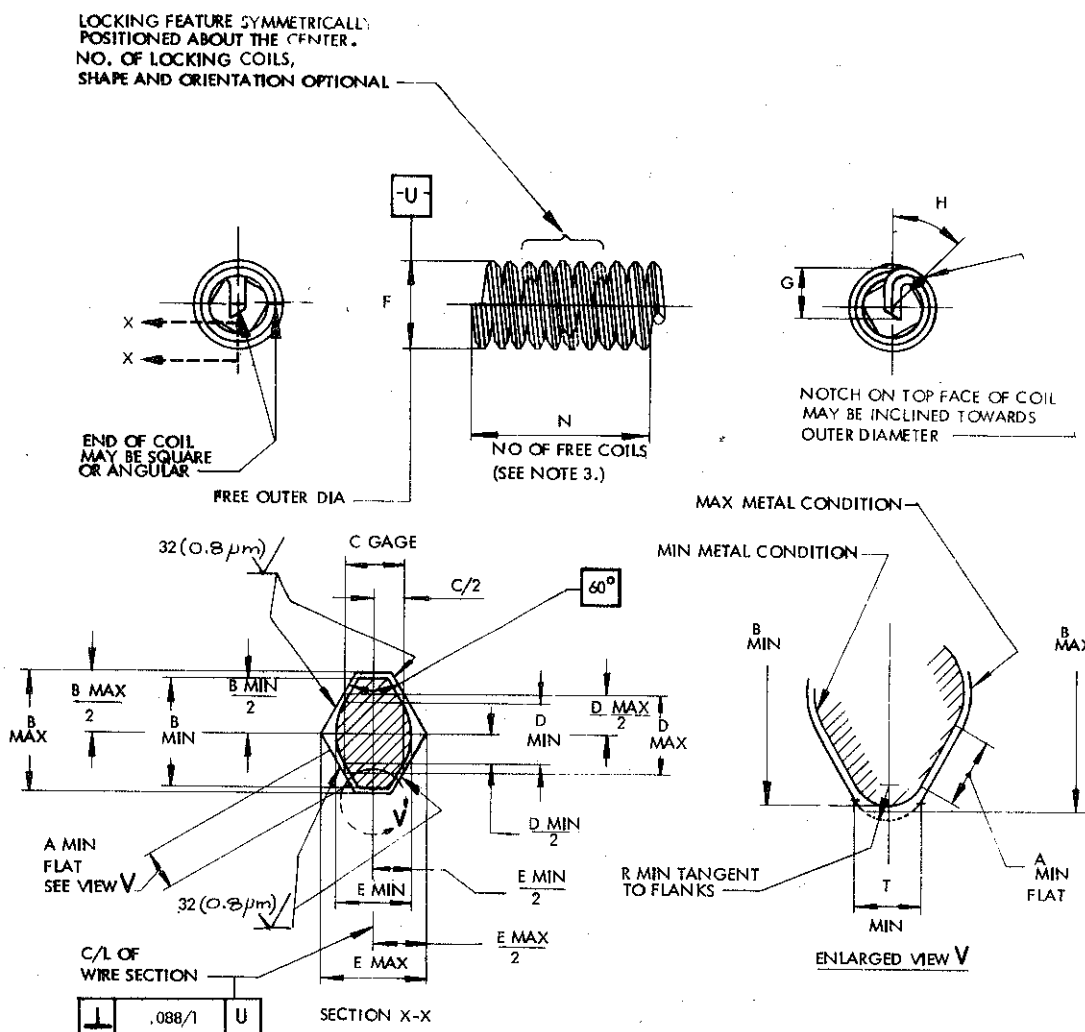
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1. NOMINAL LENGTH IS REFERENCE AND EQUALS MINIMUM LENGTH OF FULL THREAD INTO WHICH MAXIMUM INSERT CAN BE ASSEMBLED. SEE TABLE.
2. ASSEMBLED LENGTH OF INSERT: TO BE AS SPECIFIED IN MS33537
MAX = NOMINAL LENGTH - 0.50 X PITCH. ASSEMBLED LENGTH OF INSERT TO BE MEASURED FROM NOTCH POSITION.
3. NUMBER OF FREE COILS TO BE COUNTED FROM NOTCH POSITION.
4. MATERIAL: CORROSION AND HEAT RESISTANT ALLOY AMS 7246
5. FINISH: SILVER PLATE PER AMS 2411. .0001 (0.0025) TO .0002 (0.0051) DIMENSIONS ARE AFTER PLATING.
6. SURFACE TEXTURE: SYMBOLS PER ANSI Y 14.36-1978; REQUIREMENTS PER ANSI B46 1-1978.
7. INSERT PERFORMANCE PER AS 1563
8. DIMENSIONS IN INCHES (MILLIMETRES). METRIC CONVERSIONS ARE IN INTERNATIONAL SYSTEM (SI).
9. IDENTIFICATION: MARK AS NUMBER AND MANUFACTURER'S IDENTIFICATION ON CONTAINER.
10. DIMENSIONS AND TOLERANCING: ANSI Y14.5-1973.
11. DO NOT USE UNASSIGNED PART NUMBERS

CANCELLED

ISSUED MARCH 1984 REVISED

PREPARED BY SAE COMMITTEE E-25, ENGINE & PROPELLER STANDARD UTILITY PARTS



400 Commonwealth Drive
Warrendale, PA 15096

AEROSPACE STANDARD

INSERT, HELICAL COIL - SCREW LOCKING -
AMS 7246

AS 3305

SHEET 1 OF 2

AS 3305

FEDERAL SUPPLY CLASS

5340



Documents

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Full document details: SAE AS3305

PART NUMBER	THREAD TYPE SIZE	NOMINAL LENGTH (SEE NOTE 1)		A MIN		B (mm)		C GAGE		D (mm)		E (mm)	
		IN	(mm)	IN	(mm)	MIN	MAX	IN	(mm)	MIN	MAX	MIN	MAX
AS3305 - 03	.190-32	.285	7.24	.0076	0.193	.0295	.0338	.01543	0.3970	.01985	.02030	.0233	.0273
AS3305 - 04	.250-28	.315	8	.0085	0.216	.0347	.0387	.01784	0.4536	.02270	.02380	.0253	.0313
AS3305 - 05	.3125-24	.415	10.54	.0120	0.305	.0410	.0449	.02083	0.5290	.02456	.02706	.0305	.0365
AS3305 - 06	.375-24	.456	11.58	.0120	0.305	.0410	.0449	.02083	0.5290	.02456	.02706	.0305	.0365

THREAD SIZE	F (mm)		G (mm)		H		N + .250 - .250 COIL	R MIN		T MIN		APPROX MASS	
	MIN	MAX	MIN	MAX	MIN	MAX		IN	(mm)	IN	(mm)	LB/100	kg/100
.190-32	.236	.256	6.00	6.50	.130	.176	6.875	.0056	0.143	.0098	0.249	.078	.035
.250-28	.306	.326	7.78	8.28	.173	.239	8.625	.0064	0.163	.0112	0.285	.129	.058
.3125-24	.380	.400	9.66	10.16	.203	.291	7.750	.0075	0.191	.0130	0.331	.250	.113
.375-24	.448	.468	11.38	11.88	.235	.353	8.625	.0075	0.191	.0130	0.331	.338	.153

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