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REV.
A

AS3083™

FEDERAL SUPPLY CLASS
5340

RATIONALE

FIGURE REDRAWN FOR CLARITY, TABLE RETYPED TO DELETE METRIC DIMENSIONS, USAGE OF PARTS NOTE ADDED, AND NOTES UPDATED. SOURCE OF SUPPLY DELETED.

AS3083A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

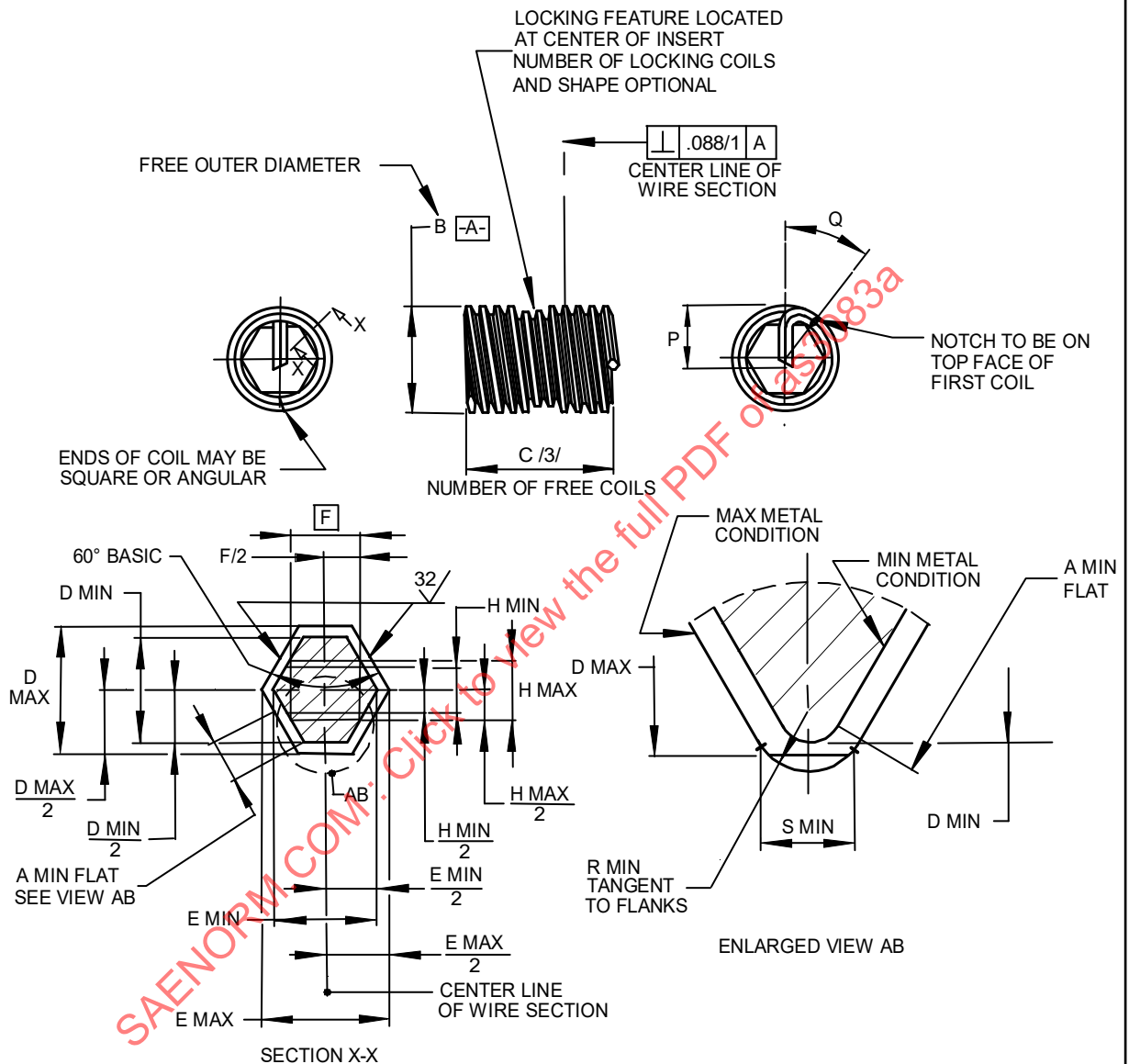


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3083A/>

CUSTODIAN: E-25



AEROSPACE STANDARD

(R) INSERT - CRES HELICAL COIL FINE THREAD,
STRAIGHT, STUD LOCKING, 3 DIA NOM LENGTH

AS3083™
SHEET 1 OF 3

REV.
A

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ISSUED 1973-10 REVISED 2019-01 REAFFIRMED 2024-04

TABLE 1

PART NUMBER	THREAD SIZE	NOMINAL LENGTH	A MIN	B		C ±.250 COIL
				MAX	MIN	
AS3083-03	.1900-32 UNJF	.570	.0076	.256	.236	14.875
AS3083-04	.2500-28 UNJF	.750	.0085	.326	.306	17.625
AS3083-05	.3125-24 UNJF	.938	.0120	.400	.380	19.000
AS3083-06	.3750-24 UNJF	1.125	.0120	.468	.448	23.125
AS3083-07	.4375-20 UNJF	1.312	.0164	.549	.524	22.500
AS3083-08	.5000-20 UNJF	1.500	.0164	.617	.592	25.875

TABLE 1 CONTINUED

PART NUMBER	D		E		F GAGE	H		P	
	MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN
AS3083-03	.0338	.0295	.0273	.0233	.01563	.02030	.01985	.176	.130
AS3083-04	.0387	.0347	.0313	.0253	.01786	.02320	.02270	.239	.173
AS3083-05	.0449	.0410	.0365	.0305	.02083	.02706	.02656	.291	.203
AS3083-06	.0449	.0410	.0365	.0305	.02083	.02706	.02656	.353	.235
AS3083-07	.0540	.0500	.0438	.0378	.02500	.03248	.03198	.416	.281
AS3083-08	.0540	.0500	.0438	.0378	.02500	.03248	.03198	.478	.313

TABLE 1 CONTINUED

PART NUMBER	Q	R MIN	S MIN	APPROX MASS LB/100
AS3083-03	15-90°	.0056	.0098	.170
AS3083-04	15-75°	.0064	.0112	.338
AS3083-05	15-75°	.0075	.0130	.602
AS3083-06	15-75°	.0075	.0130	.862
AS3083-07	15-75°	.0090	.0156	1.493
AS3083-08	15-75°	.0090	.0156	1.887



AEROSPACE STANDARD

(R) INSERT - CRES HELICAL COIL FINE THREAD,
STRAIGHT, STUD LOCKING, 3 DIA NOM LENGTHAS3083™
SHEET 2 OF 3REV.
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