

REV.
A

AS3080™

RATIONALE

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

AS3080A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

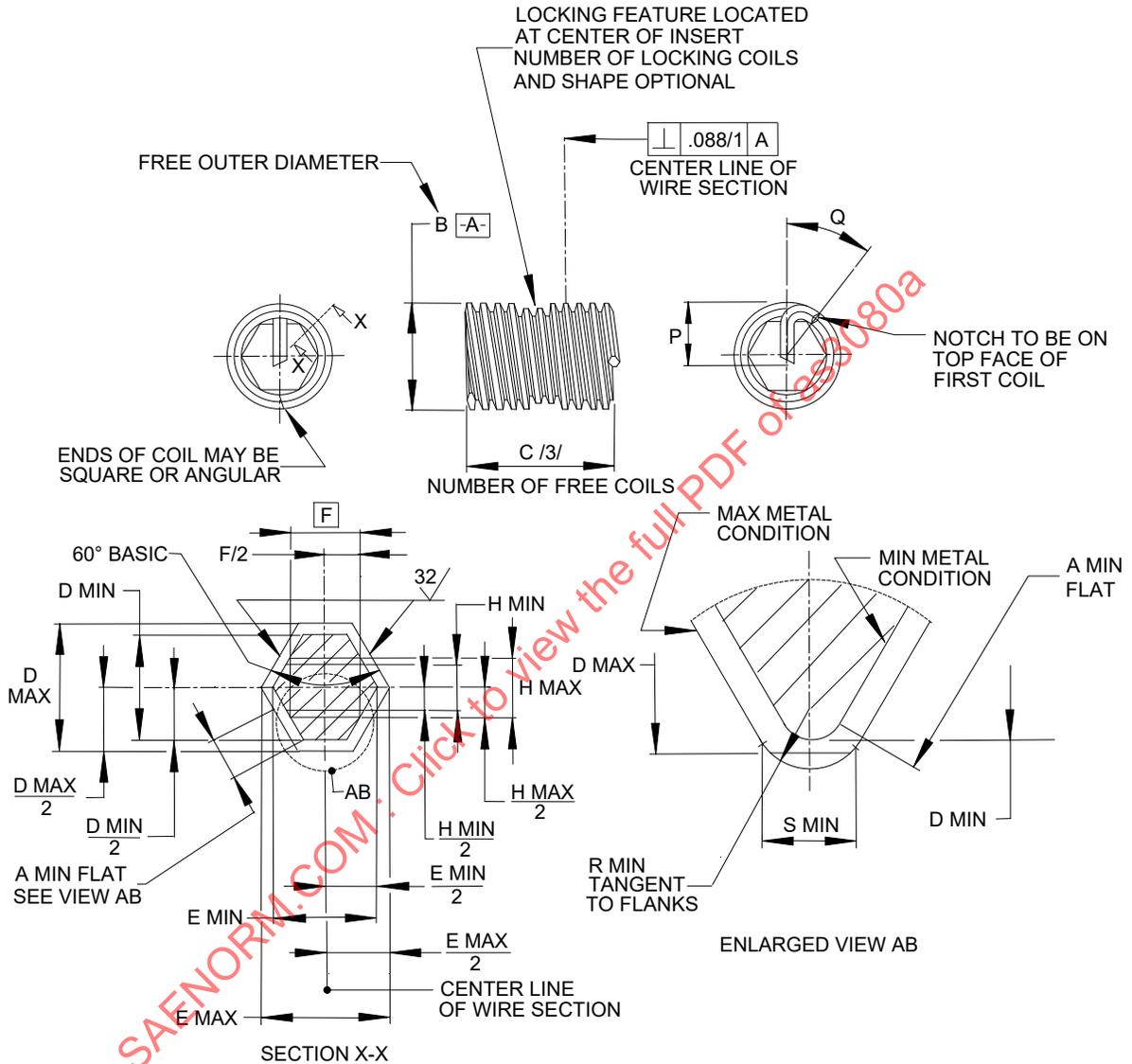
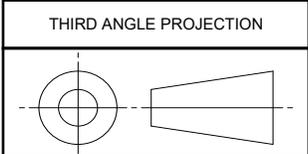


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3080A/>



CUSTODIAN: E-25



AEROSPACE STANDARD

(R) INSERT - CRES HELICAL COIL FINE THREAD,
STRAIGHT, STUD LOCKING, 1.5 DIA NOM LENGTH

AS3080™
SHEET 1 OF 3

REV.
A

SAE Executive Standards Committee Rules provide that: " This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

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	
AS3080-03	.1900-32 UNJF	.285	.0076	.256	.236	6.875
AS3080-04	.2500-28 UNJF	.375	.0085	.326	.306	8.250
AS3080-05	.3125-24 UNJF	.469	.0120	.400	.380	8.875
AS3080-06	.3750-24 UNJF	.562	.0120	.468	.448	11.000
AS3080-07	.4375-20 UNJF	.656	.0164	.549	.524	10.625
AS3080-08	.5000-20 UNJF	.750	.0164	.617	.592	12.375

TABLE 1 CONTINUED

PART NUMBER	D		E		F GAGE	H		P	
	MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN
AS3080-03	.0338	.0295	.0273	.0233	.01563	.02030	.01985	.176	.130
AS3080-04	.0387	.0347	.0313	.0253	.01786	.02320	.02270	.239	.173
AS3080-05	.0449	.0410	.0365	.0305	.02083	.02706	.02656	.291	.203
AS3080-06	.0449	.0410	.0365	.0305	.02083	.02706	.02656	.353	.235
AS3080-07	.0540	.0500	.0438	.0378	.02500	.03248	.03198	.416	.281
AS3080-08	.0540	.0500	.0438	.0378	.02500	.03248	.03198	.478	.313

TABLE 1 CONTINUED

PART NUMBER	Q	R MIN	S MIN	APPROX MASS LB/100
AS3080-03	15-90°	.0056	.0098	.078
AS3080-04	15-75°	.0064	.0112	.155
AS3080-05	15-75°	.0075	.0130	.284
AS3080-06	15-75°	.0075	.0130	.420
AS3080-07	15-75°	.0090	.0156	.699
AS3080-08	15-75°	.0090	.0156	.909

SAENORM.COM : Click to view the full PDF of as3080-08