

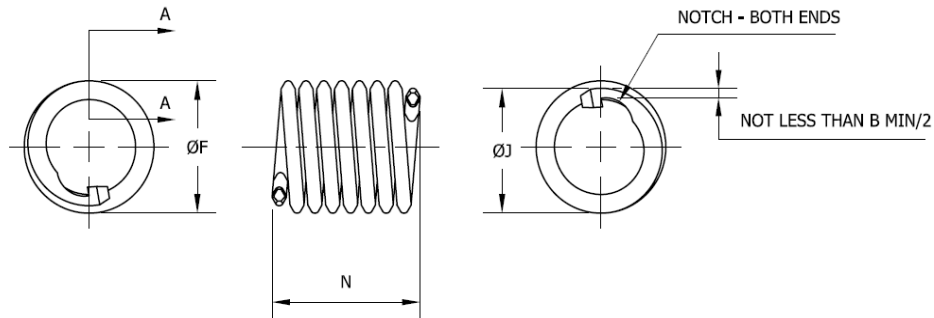


FIGURE 1: INSERT, TANGLESS, FREE RUNNING

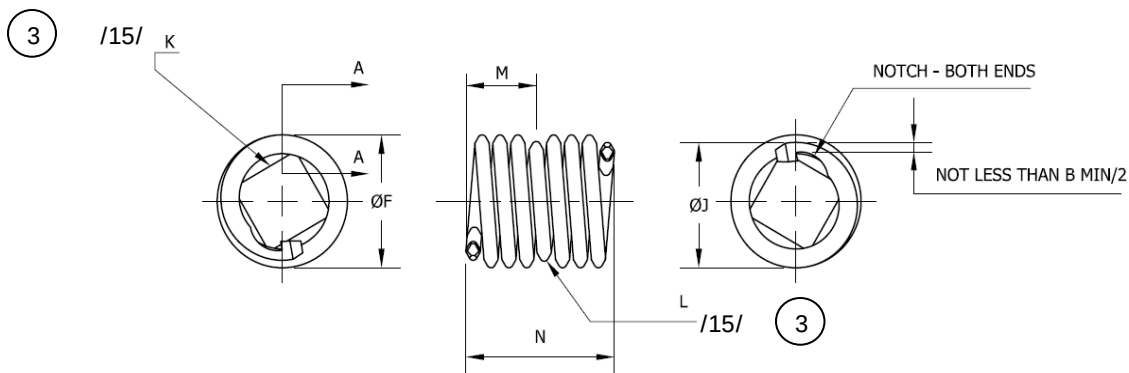
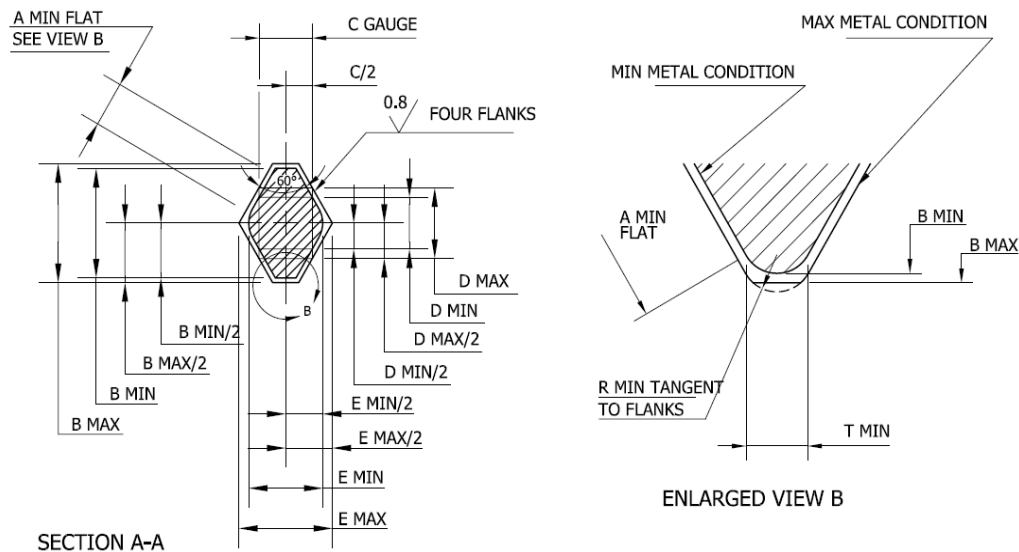


FIGURE 2: INSERT, TANGLESS, SELF-LOCKING



SECTION A-A

ENLARGED VIEW B

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE:

REVISION DATE: APRIL 30, 2013

ISSUE DATE: JUNE 2009

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 3
PROCUREMENT SPECIFICATION MA1565	TITLE INSERT, SCREW THREAD, HELICAL COIL, FREE RUNNING AND SELF-LOCKING, TANGLESS, METRIC	CLASSIFICATION PART STANDARD DA0276 SHEET 1 OF 5

TABLE I – DIMENSIONS, THREAD CODE AND LENGTH

1.0 DIAMETER NOMINAL LENGTH

NOMINAL THREAD SIZE	THREAD & LENGTH CODE	NOMINAL LENGTH	REF WEIGHT kg/100	M ± 1 COIL NUMBER OF COILS FROM END OF INSERT TO CENTER OF GRIP COIL(S)	N ± 0.250 COIL NUMBER OF FREE COILS
M2.5X0.45	M2A-10	2.5	0.003	1.688	3.375
M3X0.5	M3-10	3	0.006	1.875	3.750
M4X0.7	M4-10	4	0.014	1.813	3.625
M5X0.8	M5-10	5	0.025	2.063	4.125
M6X1	M6-10	6	0.044	2.000	4.000
M8X1.25	M8-10	8	0.100	2.250	4.500
M10X1.5	M10-10	10	0.188	2.438	4.875
M12X1.75	M12-10	12	0.318	2.500	5.000

1.5 DIAMETER NOMINAL LENGTH

NOMINAL THREAD SIZE	THREAD & LENGTH CODE	NOMINAL LENGTH	REF WEIGHT kg/100	M ± 1 COIL NUMBER OF COILS FROM END OF INSERT TO CENTER OF GRIP COIL(S)	N ± 0.250 COIL NUMBER OF FREE COILS
M2.5X0.45	M2A-15	3.75	0.006	2.875	5.750
M3X0.5	M3-15	4.5	0.009	3.188	6.375
M4X0.7	M4-15	6	0.022	3.063	6.125
M5X0.8	M5-15	7.5	0.040	3.438	6.875
M6X1	M6-15	9	0.072	3.375	6.750
M8X1.25	M8-15	12	0.160	3.688	7.375
M10X1.5	M10-15	15	0.302	4.000	8.000
M12X1.75	M12-15	18	0.509	4.125	8.250

2.0 DIAMETER NOMINAL LENGTH

NOMINAL THREAD SIZE	THREAD & LENGTH CODE	NOMINAL LENGTH	REF WEIGHT kg/100	M ± 1 COIL NUMBER OF COILS FROM END OF INSERT TO CENTER OF GRIP COIL(S)	N ± 0.250 COIL NUMBER OF FREE COILS
M2.5X0.45	M2A-20	5	0.008	4.063	8.125
M3X0.5	M3-20	6	0.012	4.438	8.875
M4X0.7	M4-20	8	0.031	4.313	8.625
M5X0.8	M5-20	10	0.055	4.813	9.625
M6X1	M6-20	12	0.099	4.750	9.500
M8X1.25	M8-20	16	0.221	5.125	10.250
M10X1.5	M10-20	20	0.416	5.563	11.125
M12X1.75	M12-20	24	0.700	5.750	11.500

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

FORM 09-01

REVISION

3

Documents

SHEET 2

Document Sharing Hub

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY

Copyright Aerospace Industries Association of America Inc. MS PRODUCED UNDER NATIONAL AEROSPACE STANDARD: AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF
Provided by IHS under license with AIA/NAS Licensee= www.sepana.ir/5991803002, User=sam, albert
No reproduction or networking permitted without license from IHS Not for Resale, 01/04/2016 05:47:23 MST TRADEMARKS RIGHTS.

Full document details: AIA NA0276 2013