

FED. SUPPLY CLASS

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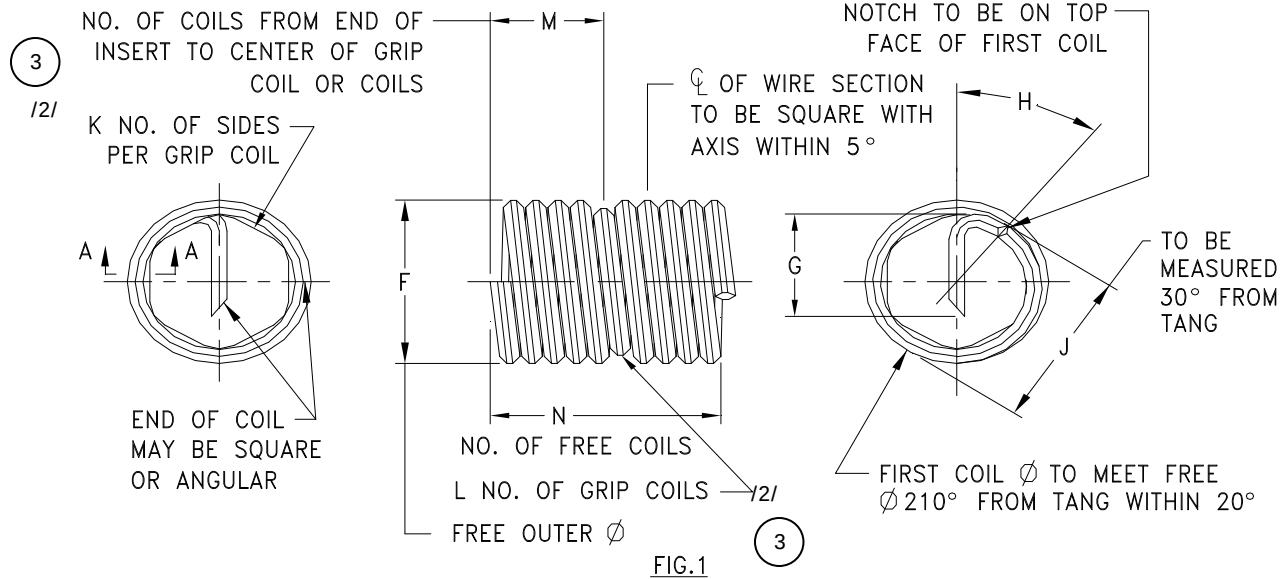


FIG. 1

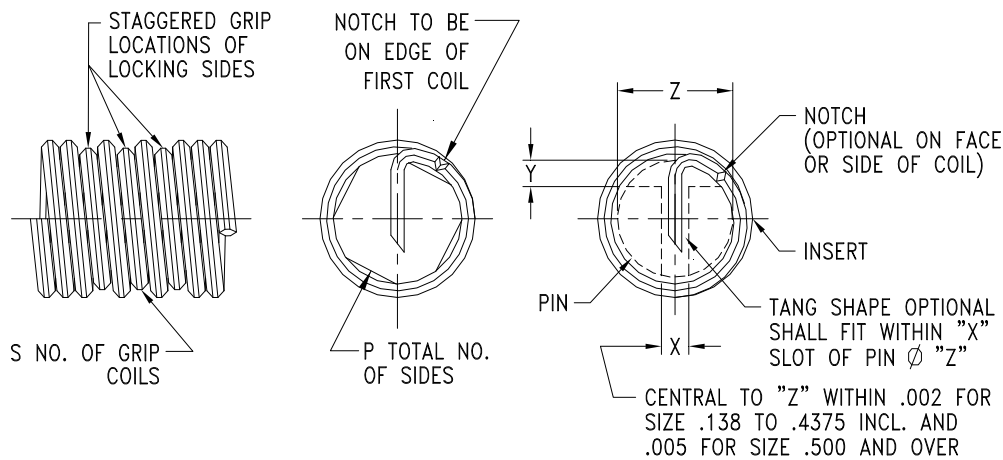


FIG. 2

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21209, REVISION E. PART NUMBERS REMAIN MS21209.

THIRD ANGLE PROJECTION	
PROCUREMENT SPECIFICATION	NASM8846

CUSTODIAN	NATIONAL AEROSPACE STANDARDS COMMITTEE
TITLE	INSERT, SCREW THREAD, COARSE AND FINE, SCREW LOCKING, HELICAL COIL, CRES

REVISION	3
CLASSIFICATION PART STANDARD	NASM21209
SHEET 1 OF 8	

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 DATE: APRIL 30, 2013

ISSUE DATE: APRIL 1998

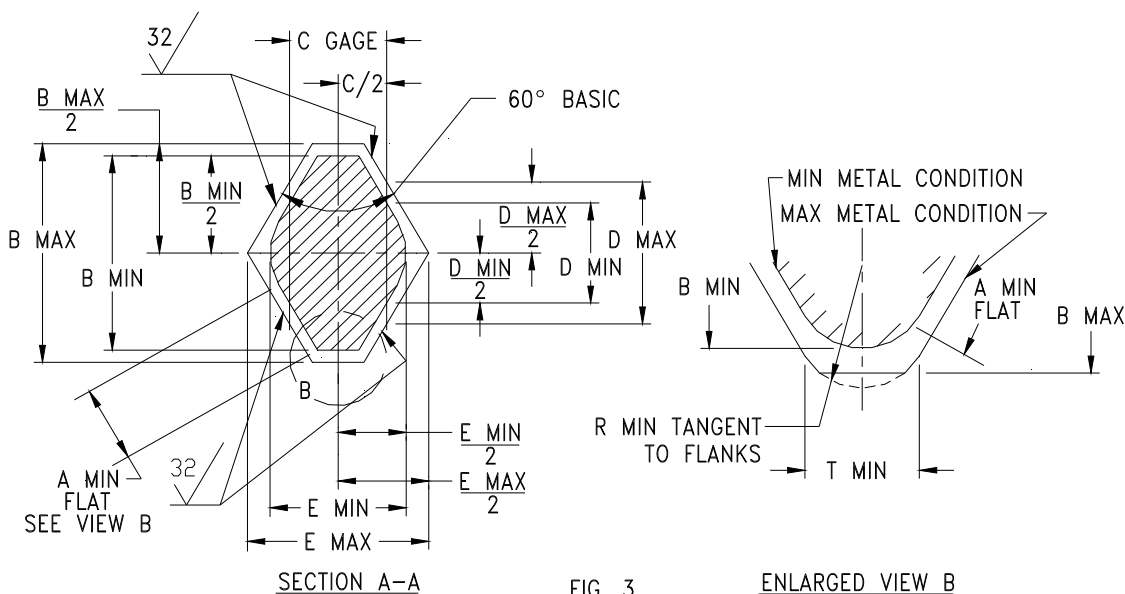


TABLE I – DASH NUMBERS AND DIMENSIONS FOR COARSE THREAD SERIES

1 DIAMETER NOMINAL LENGTH						1.5 DIAMETER NOMINAL LENGTH				
NOMINAL THREAD SIZE	DASH NO.	LENGTH (REF)	WEIGHT LBS/100	M ±1 COIL	N ±1/4 COIL	DASH NO.	LENGTH (REF)	WEIGHT LBS/100	M ±1 COIL	N ±1/4 COIL
.086-56	C0210	.086	.0051	1.500	3.00	C0215	.129	.0084	2.625	5.250
.099-48	C0310	.099	.0077	1.4375	2.875	C0315	.148	.0125	2.500	5.000
.112-40	C0410	.112	.0121	1.375	2.750	C0415	.168	.0196	2.375	4.750
.125-40	C0510	.125	.0154	1.625	3.250	C0515	.188	.0250	2.750	5.500
.138-32	C0610	.138	.0243	1.375	2.750	C0615	.207	.0384	2.375	4.750
.164-32	C0810	.164	.0355	1.750	3.500	C0815	.246	.0556	3.000	6.000
.190-24	C1-10	.190	.0573	1.4375	2.875	C1-15	.285	.0899	2.500	5.000
.216-24	C2-10	.216	.077	1.750	3.500	C2-15	.324	.119	3.000	6.000
.250-20	C4-10	.250	.145	1.6875	3.375	C4-15	.375	.196	2.875	5.750
.3125-18	C5-10	.3125	.232	2.000	4.000	C5-15	.469	.369	3.3125	6.625
.375-16	C6-10	.375	.391	2.1875	4.375	C6-15	.562	.625	3.625	7.250
.4375-14	C7-10	.4375	.667	2.250	4.500	C7-15	.656	.943	3.6875	7.375
.500-13	C8-10	.500	.794	2.4375	4.875	C8-15	.750	1.316	3.9375	7.875
.5625-12	C9-10	.5625	1.235	2.5625	5.125	C9-15	.844	1.961	4.125	8.250
.625-11	C1010	.625	1.515	2.6250	5.250	C1015	.938	2.439	4.250	8.500
.750-10	C1210	.750	2.778	2.9375	5.875	C1215	1.125	4.000	4.6875	9.375
.875-9	C1410	.875	4.545	3.125	6.250	C1415	1.312	6.250	5.000	10.000
1.000-8	C1610	1.000	5.882	3.1875	6.375	C1615	1.500	9.091	5.0625	10.125
1.125-7	C1810	1.125	8.392	3.0625	6.125	C1815	1.688	12.928	4.9375	9.875
1.250-7	C2010	1.250	10.487	3.500	7.000	C2015	1.875	16.070	5.625	11.250
1.375-6	C2210	1.375	14.505	3.250	6.500	C2215	2.062	22.264	5.250	10.500
1.500-6	C2410	1.500	17.563	3.625	7.250	C2415	2.250	26.915	5.750	11.500

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TABLE I – DASH NUMBERS AND DIMENSIONS FOR COARSE THREAD SERIES (CONTINUED)

2 DIAMETER NOMINAL LENGTH						2.5 DIAMETER NOMINAL LENGTH				
NOMINAL THREAD SIZE	DASH NO.	LENGTH (REF)	WEIGHT LBS/100	M ±1 COIL	N ± 1/4 COIL	DASH NO.	LENGTH (REF)	WEIGHT LBS/100	M ±1 COIL	N ±1/4 COIL
.086-56	C0220	.172	.0117	3.6875	7.375	C0225	.215	.015	5.9375	9.625
.099-48	C0320	.198	.0174	3.625	7.250	C0325	.248	.0224	5.750	9.375
.112-40	C0420	.224	.0272	3.375	6.750	C0425	.280	.0348	5.500	8.875
.125-40	C0520	.250	.0345	3.875	7.750	C0525	.312	.044	6.125	10.000
.138-32	C0620	.276	.0525	3.4375	6.875	C0625	.345	.0666	5.4375	8.875
.164-32	C0820	.328	.0776	4.1875	8.375	C0825	.410	.1008	6.5625	10.750
.190-24	C1-20	.380	.1330	3.5625	7.125	C1-25	.475	.172	5.6875	9.250
.216-24	C2-20	.432	.172	4.1875	8.375	C2-25	.540	.208	6.4375	10.625
.250-20	C4-20	.500	.308	4.000	8.000	C4-25	.625	.385	6.375	10.375
.3125-18	C5-20	.625	.510	4.625	9.250	C5-25	.781	.658	7.250	11.875
.375-16	C6-20	.750	.862	5.000	10.000	C6-25	.938	1.064	7.875	12.875
.4375-14	C7-20	.875	1.250	5.125	10.250	C7-25	1.094	1.667	8.000	13.125
.500-13	C8-20	1.000	1.852	5.500	11.000	C8-25	1.250	2.273	8.625	14.125
.5625-12	C9-20	1.125	2.632	5.750	11.500	C9-25	1.406	3.226	9.000	14.750
.625-11	C1020	1.250	3.448	5.875	11.750	C1025	1.562	4.348	9.125	15.000
.750-10	C1220	1.500	5.263	6.500	13.000	C1225	1.875	6.667	10.000	16.500
.875-9	C1420	1.750	8.333	6.875	13.750	C1425	2.188	10.000	10.625	17.500
1.000-8	C1620	2.000	12.500	7.000	14.000	C1625	2.500	14.286	10.750	17.750
1.125-7	C1820	2.250	17.464	6.8125	13.625	C1825	2.812	22.000	10.6875	17.500
1.250-7	C2020	2.500	21.653	7.6875	15.375	C2025	3.125	27.236	11.8125	19.500
1.375-6	C2220	2.750	30.122	7.1875	14.375	C2225	3.438	37.981	11.1875	18.375
1.500-6	C2420	3.000	36.268	7.9375	15.875	C2425	3.750	45.620	12.1875	20.125

TABLE I – DASH NUMBERS AND DIMENSIONS FOR COARSE THREAD SERIES (CONTINUED)

3 DIAMETER NOMINAL LENGTH					
NOMINAL THREAD SIZE	DASH NO.	LENGTH (REF)	WEIGHT LBS/100	M ±1 COIL	N ±1/4 COIL
.086-56	C0230	.258	.0183	8.1875	11.875
.099-48	C0330	.297	.0271	7.875	11.500
.112-40	C0430	.336	.0423	7.500	10.875
.125-40	C0530	.375	.0536	8.375	12.250
.138-32	C0630	.414	.0807	7.4375	10.750
.164-32	C0830	.492	.125	9.0625	13.250
.190-24	C1-30	.570	.219	7.8125	11.375
.216-24	C2-30	.648	.279	8.9375	13.125
.250-20	C4-30	.750	.490	8.750	12.750
.3125-18	C5-30	.938	.806	10.000	14.625
.375-16	C6-30	1.125	1.316	10.875	15.750
.4375-14	C7-30	1.312	2.000	11.000	16.125
.500-13	C8-30	1.500	2.857	11.625	17.125
.5625-12	C9-30	1.688	4.000	12.125	17.875
.625-11	C1030	1.875	5.263	12.500	18.375
.750-10	C1230	2.250	8.333	13.625	20.125
.875-9	C1430	2.625	12.500	14.375	21.250
1.000-8	C1630	3.000	16.670	14.625	21.625
1.125-7	C1830	3.375	26.536	14.4375	21.250
1.250-7	C2030	3.750	32.819	16.0625	23.750
1.375-6	C2230	4.125	45.839	15.0625	22.250
1.500-6	C2430	4.500	54.972	16.5625	24.500

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