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REV. E
MA3329™

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5325

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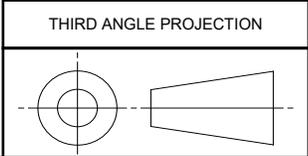
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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: MA1565



METRIC AEROSPACE STANDARD
INSERT, SCREW THREAD, HELICAL COIL, METRIC SERIES, SCREW LOCKING, CRES, UNCOATED

MA3329™

REV. E

ISSUED 1981-09 REAFFIRMED 2012-12 REVISED 2018-08 STABILIZED 2024-02

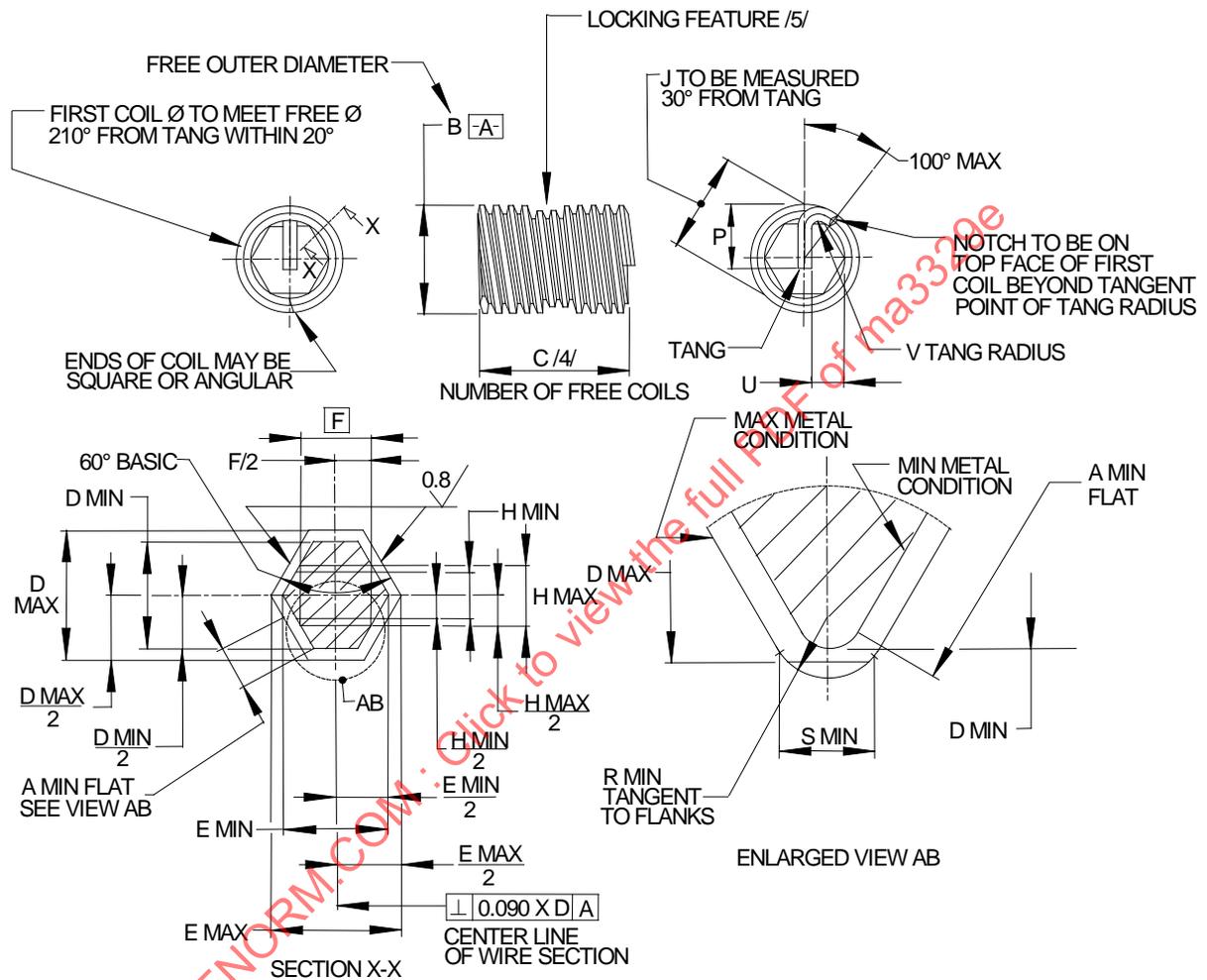


FIGURE 1

	METRIC AEROSPACE STANDARD	MA3329™ SHEET 1 OF 6	REV. E
	INSERT, SCREW THREAD, HELICAL COIL, METRIC SERIES, SCREW LOCKING, CRES, UNCOATED		

TABLE 1

Thread Ø	Thread Pitch Ø	Part Number 1 x Ø Nominal Length /1/	Part Number 1.5 x Ø Nominal Length /1/	Part Number 2 x Ø Nominal Length /1/	Part Number 2.5 x Ø Nominal Length /1/	Part Number 3 x Ø Nominal Length /1/	A MIN
2	0.4	---	MA3329-190	MA3329-240	MA3329-290	MA3329-340	0.074
2.2	0.45	MA3329-100	MA3329-150	MA3329-200	MA3329-250	MA3329-300	0.082
2.5	0.45	MA3329-101	MA3329-151	MA3329-201	MA3329-251	MA3329-301	0.082
3	0.5	MA3329-102	MA3329-152	MA3329-202	MA3329-252	MA3329-302	0.105
3.5	0.6	MA3329-103	MA3329-153	MA3329-203	MA3329-253	MA3329-303	0.160
4	0.7	MA3329-104	MA3329-154	MA3329-204	MA3329-254	MA3329-304	0.163
5	0.8	MA3329-105	MA3329-155	MA3329-205	MA3329-255	MA3329-305	0.209
6	1	MA3329-106	MA3329-156	MA3329-206	MA3329-256	MA3329-306	0.267
7	1	MA3329-107	MA3329-157	MA3329-207	MA3329-257	MA3329-307	0.267
8	1	MA3329-108	MA3329-158	MA3329-208	MA3329-258	MA3329-308	0.267
8	1.25	MA3329-109	MA3329-159	MA3329-209	MA3329-259	MA3329-309	0.415
10	1	MA3329-141	MA3329-191	MA3329-241	MA3329-291	MA3329-341	0.267
10	1.25	MA3329-110	MA3329-160	MA3329-210	MA3329-260	MA3329-310	0.415
10	1.5	MA3329-111	MA3329-161	MA3329-211	MA3329-261	MA3329-311	0.511
12	1.25	MA3329-112	MA3329-162	MA3329-212	MA3329-262	MA3329-312	0.415
12	1.5	MA3329-113	MA3329-163	MA3329-213	MA3329-263	MA3329-313	0.511
12	1.75	MA3329-114	MA3329-164	MA3329-214	MA3329-264	MA3329-314	0.654
14	1.5	MA3329-115	MA3329-165	MA3329-215	MA3329-265	MA3329-315	0.511
14	2	MA3329-116	MA3329-166	MA3329-216	MA3329-266	MA3329-316	0.799
16	1.5	MA3329-117	MA3329-167	MA3329-217	MA3329-267	MA3329-317	0.511
16	2	MA3329-118	MA3329-168	MA3329-218	MA3329-268	MA3329-318	0.799
18	1.5	MA3329-119	MA3329-169	MA3329-219	MA3329-269	MA3329-319	0.511
18	2	MA3329-120	MA3329-170	MA3329-220	MA3329-270	MA3329-320	0.799
18	2.5	MA3329-121	MA3329-171	MA3329-221	MA3329-271	MA3329-321	1.017
20	1.5	MA3329-122	MA3329-172	MA3329-222	MA3329-272	MA3329-322	0.511
20	2	MA3329-123	MA3329-173	MA3329-223	MA3329-273	MA3329-323	0.799
20	2.5	MA3329-124	MA3329-174	MA3329-224	MA3329-274	MA3329-324	1.017
22	1.5	MA3329-125	MA3329-175	MA3329-225	MA3329-275	MA3329-325	0.511
22	2	MA3329-126	MA3329-176	MA3329-226	MA3329-276	MA3329-326	0.799
22	2.5	MA3329-127	MA3329-177	MA3329-227	MA3329-277	MA3329-327	1.017
24	2	MA3329-128	MA3329-178	MA3329-228	MA3329-278	MA3329-328	0.799
24	3	MA3329-129	MA3329-179	MA3329-229	MA3329-279	MA3329-329	1.234
27	2	MA3329-130	MA3329-180	MA3329-230	MA3329-280	MA3329-330	0.799
27	3	MA3329-131	MA3329-181	MA3329-231	MA3329-281	MA3329-331	1.234
30	2	MA3329-132	MA3329-182	MA3329-232	MA3329-282	MA3329-332	0.799
30	3	MA3329-133	MA3329-183	MA3329-233	MA3329-283	MA3329-333	1.234
33	2	MA3329-134	MA3329-184	MA3329-234	MA3329-284	MA3329-334	0.799
33	3	MA3329-135	MA3329-185	MA3329-235	MA3329-285	MA3329-335	1.234
36	2	MA3329-136	MA3329-186	MA3329-236	MA3329-286	MA3329-336	0.799
36	3	MA3329-137	MA3329-187	MA3329-237	MA3329-287	MA3329-337	1.234
39	2	MA3329-138	MA3329-188	MA3329-238	MA3329-288	MA3329-338	0.799
39	3	MA3329-139	MA3329-189	MA3329-239	MA3329-289	MA3329-339	1.234

TABLE 1 CONTINUED

Thread Ø	Thread Pitch Ø	B MAX	B MIN	C ±.25 Coils 1 Ø	C ±.25 Coils 1.5 Ø	C ±.25 Coils 2 Ø	C ±.25 Coils 2.5 Ø	C ±.25 Coils 3 Ø	D MAX	D MIN
2	0.4	2.70	2.50	---	5.500	7.750	10.125	12.375	0.433	0.389
2.2	0.45	3.00	2.80	3.125	5.375	7.625	9.875	12.125	0.487	0.437
2.5	0.45	3.70	3.20	3.375	5.750	8.125	10.500	12.750	0.487	0.437
3	0.5	4.35	3.80	3.750	6.375	8.875	11.375	13.875	0.541	0.482
3.5	0.6	4.95	4.40	3.750	6.375	8.750	11.375	13.750	0.650	0.586
4	0.7	5.60	5.05	3.625	6.125	8.625	11.125	13.625	0.758	0.683
5	0.8	6.80	6.25	4.125	6.875	9.625	12.375	15.125	0.866	0.775
6	1	7.95	7.40	4.000	6.750	9.500	12.125	14.875	1.083	0.975
7	1	9.20	8.65	4.875	8.000	11.125	14.125	17.250	1.083	0.975
8	1	10.25	9.70	5.875	9.375	13.000	16.500	20.125	1.083	0.975
8	1.25	10.35	9.80	4.500	7.375	10.250	13.250	16.125	1.353	1.251
10	1	12.50	11.95	7.625	12.000	16.500	21.000	25.500	1.083	0.975
10	1.25	12.65	12.10	5.875	9.500	13.125	16.750	20.375	1.353	1.251
10	1.5	12.50	11.95	4.875	8.000	11.125	14.250	17.375	1.624	1.522
12	1.25	15.00	14.30	7.250	11.625	15.875	20.250	24.500	1.353	1.251
12	1.5	14.95	14.25	6.000	9.625	13.375	17.000	20.750	1.624	1.522
12	1.75	15.00	14.30	5.000	8.250	11.500	14.625	17.875	1.894	1.792
14	1.5	17.25	16.55	7.125	11.375	15.625	20.000	24.250	1.624	1.522
14	2	17.35	16.65	5.125	8.500	11.750	15.000	18.375	2.165	2.063
16	1.5	19.60	18.90	8.250	13.125	18.000	22.750	27.625	1.624	1.522
16	2	19.60	18.90	6.125	9.750	13.500	17.250	21.000	2.165	2.063
18	1.5	21.75	21.05	9.500	15.000	20.375	25.875	31.375	1.624	1.522
18	2	21.85	21.15	7.000	11.125	15.375	19.500	23.625	2.165	2.063
18	2.5	22.00	21.30	5.375	8.875	12.250	15.625	19.000	2.706	2.604
20	1.5	24.00	23.15	10.750	16.875	22.875	28.875	35.000	1.624	1.522
20	2	24.05	23.20	7.875	12.500	17.250	21.875	26.500	2.165	2.063
20	2.5	24.40	23.55	6.125	9.875	13.625	17.375	21.125	2.706	2.604
22	1.5	26.45	25.55	11.875	18.500	25.125	31.625	38.250	1.624	1.522
22	2	26.50	25.60	8.750	13.750	18.875	23.875	29.000	2.165	2.063
22	2.5	26.90	25.90	6.750	10.875	14.875	19.000	23.125	2.706	2.604
24	2	29.10	28.10	9.500	15.000	20.375	25.875	31.250	2.165	2.063
24	3	29.00	28.00	6.125	10.000	13.750	17.500	21.375	3.248	3.146
27	2	32.30	31.30	10.875	17.000	23.250	29.375	35.500	2.165	2.063
27	3	32.40	31.40	7.000	11.250	15.500	19.750	24.000	3.248	3.146
30	2	35.70	34.50	12.250	19.125	25.875	32.750	39.500	2.165	2.063
30	3	36.10	34.90	7.875	12.500	17.125	21.875	26.500	3.248	3.146
33	2	39.20	37.80	13.625	21.125	28.625	36.000	43.500	2.165	2.063
33	3	39.50	38.10	8.750	13.875	19.000	24.125	29.250	3.248	3.146
36	2	42.40	41.00	15.000	23.250	31.375	39.500	47.750	2.165	2.063
36	3	42.70	41.30	9.750	15.250	20.875	26.500	32.000	3.248	3.146
39	2	45.70	44.30	16.375	25.250	34.125	43.000	51.875	2.165	2.063
39	3	45.80	44.40	10.750	16.750	22.750	28.875	34.875	3.248	3.146

TABLE 1 CONTINUED

Thread Ø	Thread Pitch Ø	E MAX	E MIN	F GAGE	H MAX	H MIN	J MAX	J MIN	P MAX	P MIN	R MIN
2	0.4	0.350	0.274	0.200	0.2600	0.2495	2.70	2.50	1.90	1.30	0.072
2.2	0.45	0.394	0.318	0.225	0.2920	0.2820	2.80	2.60	2.00	1.40	0.081
2.5	0.45	0.394	0.318	0.225	0.2920	0.2820	3.65	3.05	2.25	1.60	0.081
3	0.5	0.438	0.362	0.250	0.3250	0.3145	4.30	3.60	2.80	1.95	0.090
3.5	0.6	0.525	0.449	0.300	0.3900	0.3795	4.90	4.25	3.00	2.20	0.108
4	0.7	0.612	0.510	0.350	0.4550	0.4445	5.55	4.90	3.55	2.50	0.126
5	0.8	0.700	0.598	0.400	0.5200	0.5085	6.75	6.10	4.55	3.15	0.144
6	1	0.875	0.748	0.500	0.6500	0.6370	7.90	7.25	4.85	3.70	0.180
7	1	0.875	0.748	0.500	0.6500	0.6370	9.15	8.40	5.50	4.30	0.180
8	1	0.875	0.748	0.500	0.6500	0.6370	9.65	9.20	6.50	4.75	0.180
8	1.25	1.094	0.967	0.625	0.8120	0.7990	9.90	9.50	6.50	4.75	0.226
10	1	0.875	0.748	0.500	0.6500	0.6370	11.55	11.10	8.00	5.50	0.180
10	1.25	1.094	0.967	0.625	0.8120	0.7990	11.95	11.50	8.00	5.50	0.226
10	1.5	1.312	1.160	0.750	0.9740	0.9615	12.25	11.80	8.00	5.50	0.271
12	1.25	1.094	0.967	0.625	0.8120	0.7990	14.00	13.50	9.75	6.70	0.226
12	1.5	1.312	1.160	0.750	0.9740	0.9615	14.30	13.80	9.75	6.70	0.271
12	1.75	1.531	1.379	0.875	1.1370	1.1240	14.60	14.10	9.75	6.70	0.316
14	1.5	1.312	1.160	0.750	0.9740	0.9615	16.30	15.80	11.25	7.20	0.271
14	2	1.750	1.598	1.000	1.2990	1.2865	16.90	16.40	11.25	7.20	0.361
16	1.5	1.312	1.160	0.750	0.9740	0.9615	18.30	17.80	12.75	8.30	0.271
16	2	1.750	1.598	1.000	1.2990	1.2865	18.90	18.40	12.75	8.30	0.361
18	1.5	1.312	1.160	0.750	0.9740	0.9615	20.35	19.80	14.00	9.30	0.271
18	2	1.750	1.598	1.000	1.2990	1.2865	20.95	20.40	14.00	9.30	0.361
18	2.5	2.188	1.998	1.250	1.6240	1.6110	21.45	20.90	14.00	9.30	0.451
20	1.5	1.312	1.160	0.750	0.9740	0.9615	22.50	21.80	14.50	10.40	0.271
20	2	1.750	1.598	1.000	1.2990	1.2865	23.10	22.40	14.50	10.40	0.361
20	2.5	2.188	1.998	1.250	1.6240	1.6110	23.60	22.90	14.50	10.40	0.451
22	1.5	1.312	1.160	0.750	0.9740	0.9615	24.80	24.10	16.00	11.40	0.271
22	2	1.750	1.598	1.000	1.2990	1.2865	25.10	24.40	16.00	11.40	0.361
22	2.5	2.188	1.998	1.250	1.6240	1.6110	25.60	24.90	16.00	11.40	0.451
24	2	1.750	1.598	1.000	1.2990	1.2865	27.10	26.40	16.50	12.50	0.361
24	3	2.625	2.396	1.500	1.9485	1.9360	28.20	27.50	16.50	12.50	0.541
27	2	1.750	1.598	1.000	1.2990	1.2865	30.10	29.40	17.50	14.00	0.361
27	3	2.625	2.396	1.500	1.9485	1.9360	31.20	30.50	17.50	14.00	0.541
30	2	1.750	1.598	1.000	1.2990	1.2865	33.20	32.50	19.00	15.00	0.361
30	3	2.625	2.396	1.500	1.9485	1.9380	34.20	33.50	19.00	15.00	0.541
33	2	1.750	1.598	1.000	1.2990	1.2865	36.80	35.80	21.00	17.00	0.361
33	3	2.625	2.396	1.500	1.9485	1.9360	37.20	36.50	21.00	17.00	0.541
36	2	1.750	1.598	1.000	1.2990	1.2865	39.70	39.00	22.50	18.50	0.361
36	3	2.625	2.396	1.500	1.9485	1.9360	40.20	39.50	22.50	18.50	0.541
39	2	1.750	1.598	1.000	1.2990	1.2865	43.00	42.30	24.00	20.00	0.361
39	3	2.625	2.396	1.500	1.9485	1.9360	43.20	42.50	24.00	20.00	0.541