

REV. D

MA3279™

FEDERAL SUPPLY CLASS  
5325

RATIONALE

THREAD PITCH DIAMETER CORRECTED, CALLOUT FOR DASH 152, DASH 252, DASH 303, AND DASH 279 CORRECTED.

MA3279D HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

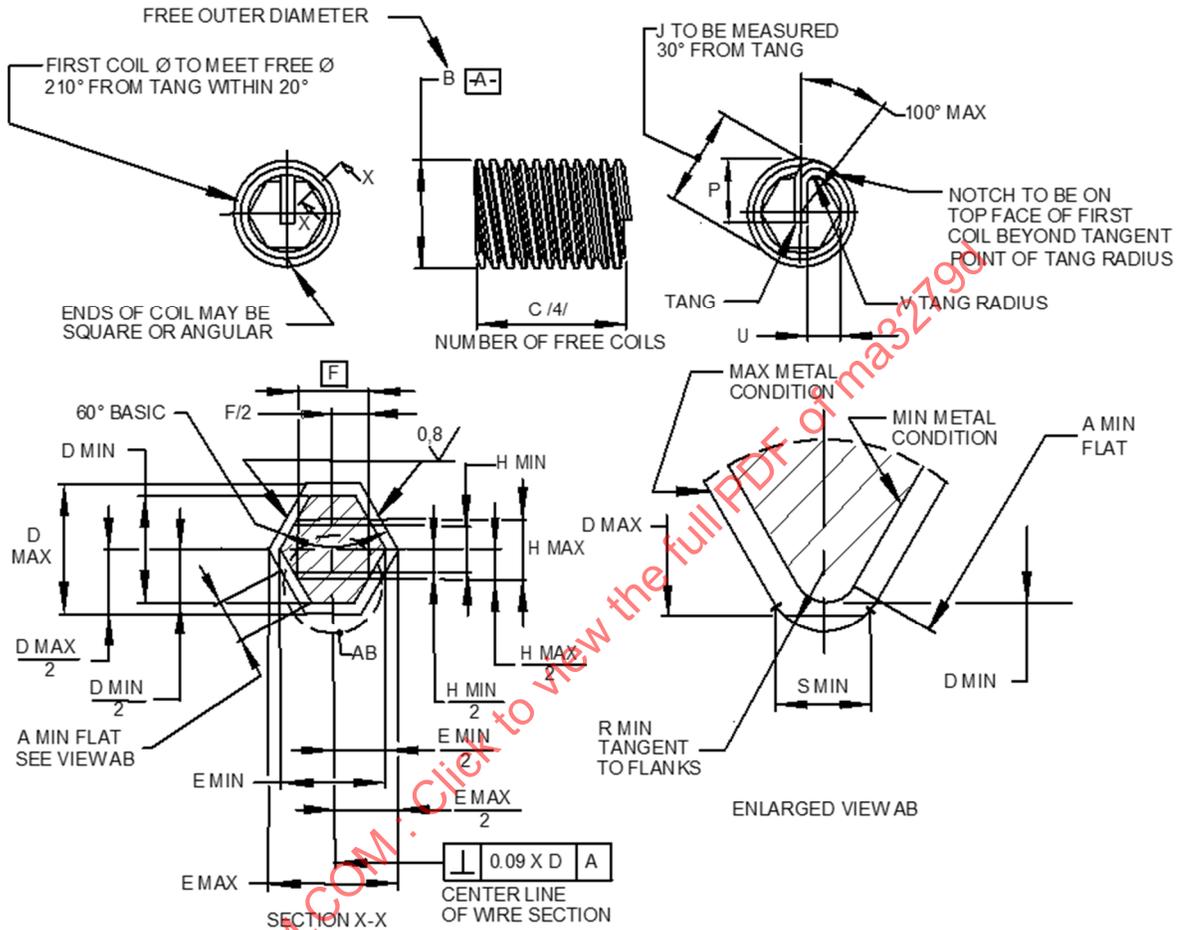
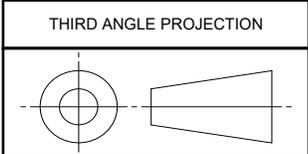


FIGURE 1

For more information on this standard, visit  
<https://www.sae.org/standards/content/MA3279D/>



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: MA1565



METRIC AEROSPACE STANDARD

INSERT, SCREW THREAD, HELICAL COIL,  
METRIC SERIES, FREE RUNNING, CRES, UNCOATED

MA3279™  
SHEET 1 OF 6

REV. D

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ISSUED 1981-09 REVISED 2019-02 REAFFIRMED 2025-01

TABLE 1

THREAD Ø	THREAD PITCH	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	MA3279-140	MA3279-190	MA3279-240	MA3279-290	MA3279-340	0.074
2.2	0.45	MA3279-100	MA3279-150	MA3279-200	MA3279-250	MA3279-300	0.082
2.5	0.45	MA3279-101	MA3279-151	MA3279-201	MA3279-251	MA3279-301	0.082
3	0.5	MA3279-102	MA3279-152	MA3279-202	MA3279-252	MA3279-302	0.105
3.5	0.6	MA3279-103	MA3279-153	MA3279-203	MA3279-253	MA3279-303	0.160
4	0.7	MA3279-104	MA3279-154	MA3279-204	MA3279-254	MA3279-304	0.163
5	0.8	MA3279-105	MA3279-155	MA3279-205	MA3279-255	MA3279-305	0.209
6	1	MA3279-106	MA3279-156	MA3279-206	MA3279-256	MA3279-306	0.267
7	1	MA3279-107	MA3279-157	MA3279-207	MA3279-257	MA3279-307	0.267
8	1	MA3279-108	MA3279-158	MA3279-208	MA3279-258	MA3279-308	0.267
8	1.25	MA3279-109	MA3279-159	MA3279-209	MA3279-259	MA3279-309	0.415
10	1	MA3279-141	MA3279-191	MA3279-241	MA3279-291	MA3279-341	0.267
10	1.25	MA3279-110	MA3279-160	MA3279-210	MA3279-260	MA3279-310	0.415
10	1.5	MA3279-111	MA3279-161	MA3279-211	MA3279-261	MA3279-311	0.511
12	1.25	MA3279-112	MA3279-162	MA3279-212	MA3279-262	MA3279-312	0.415
12	1.5	MA3279-113	MA3279-163	MA3279-213	MA3279-263	MA3279-313	0.511
12	1.75	MA3279-114	MA3279-164	MA3279-214	MA3279-264	MA3279-314	0.654
14	1.5	MA3279-115	MA3279-165	MA3279-215	MA3279-265	MA3279-315	0.511
14	2	MA3279-116	MA3279-166	MA3279-216	MA3279-266	MA3279-316	0.799
16	1.5	MA3279-117	MA3279-167	MA3279-217	MA3279-267	MA3279-317	0.511
16	2	MA3279-118	MA3279-168	MA3279-218	MA3279-268	MA3279-318	0.799
18	1.5	MA3279-119	MA3279-169	MA3279-219	MA3279-269	MA3279-319	0.511
18	2	MA3279-120	MA3279-170	MA3279-220	MA3279-270	MA3279-320	0.799
18	2.5	MA3279-121	MA3279-171	MA3279-221	MA3279-271	MA3279-321	1.017
20	1.5	MA3279-122	MA3279-172	MA3279-222	MA3279-272	MA3279-322	0.511
20	2	MA3279-123	MA3279-173	MA3279-223	MA3279-273	MA3279-323	0.799
20	2.5	MA3279-124	MA3279-174	MA3279-224	MA3279-274	MA3279-324	1.017
22	1.5	MA3279-125	MA3279-175	MA3279-225	MA3279-275	MA3279-325	0.511
22	2	MA3279-126	MA3279-176	MA3279-226	MA3279-276	MA3279-326	0.799
22	2.5	MA3279-127	MA3279-177	MA3279-227	MA3279-277	MA3279-327	1.017
24	2	MA3279-128	MA3279-178	MA3279-228	MA3279-278	MA3279-328	0.799
24	3	MA3279-129	MA3279-179	MA3279-229	MA3279-279	MA3279-329	1.234
27	2	MA3279-130	MA3279-180	MA3279-230	MA3279-280	MA3279-330	0.799
27	3	MA3279-131	MA3279-181	MA3279-231	MA3279-281	MA3279-331	1.234
30	2	MA3279-132	MA3279-182	MA3279-232	MA3279-282	MA3279-332	0.799
30	3	MA3279-133	MA3279-183	MA3279-233	MA3279-283	MA3279-333	1.234
33	2	MA3279-134	MA3279-184	MA3279-234	MA3279-284	MA3279-334	0.799
33	3	MA3279-135	MA3279-185	MA3279-235	MA3279-285	MA3279-335	1.234
36	2	MA3279-136	MA3279-186	MA3279-236	MA3279-286	MA3279-336	0.799
36	3	MA3279-137	MA3279-187	MA3279-237	MA3279-287	MA3279-337	1.234
39	2	MA3279-138	MA3279-188	MA3279-238	MA3279-288	MA3279-338	0.799
39	3	MA3279-139	MA3279-189	MA3279-239	MA3279-289	MA3279-339	1.234

TABLE 1 CONTINUED

THREAD Ø	THREAD PITCH	B MAX	B MIN	C ±.25 COIL 1 Ø	C ±.25 COIL 1.5 Ø	C ±.25 COIL 2 Ø	C ±.25 COIL 2.5 Ø	C ±.25 COIL 3 Ø	D MAX	D MIN
2	0.4	2.70	2.50	3.250	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	0.975
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	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	1.8240	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	1.9360	34.20	33.50	19.00	15.00	0.541
33	2	1.750	1.598	1.000	1.2990	1.2865	36.50	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