

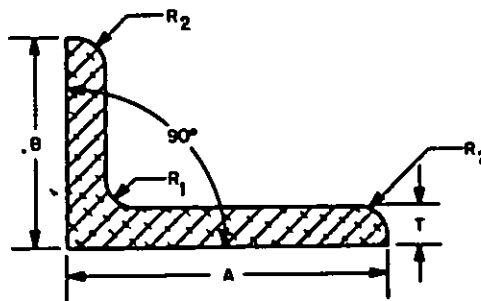
USED ACTIVITIES
NAVY-03, SHREVIEWED ACTIVITIES
AIR FORCE - 84
DLAThis military standard is approved for use by all Departments and Agencies of the Department of Defense.
Instruction for all new engineering and design applications and for repetitive use shall be made from this document.

TABLE I. DATA SUMMARY.

DASH NO.	A	B	T	R ₁	R ₂	TYPFER
001	.500	.500	.063	.063	.063	T5511
003	.562	.562	.063	.063	.063	T5511
005	.625	.500	.063	.063	.063	T5511
007	.625	.500	.063	.063	.063	T5511
009	.625	.500	.063	.063	.063	T5511
011	.625	.500	.063	.063	.063	T5511
013	.700	.600	.040	.063	SQUARE	T5511
015	.750	.900	.063	.063	.063	T5511
017	.750	.500	.063	.063	.063	T5511
019	.750	.625	.063	.063	.063	T5511
021	.750	.750	.125	.094	.094	T5511
023	.750	.750	.094	.094	.094	0
025	.750	.750	.094	.094	.094	T5511
027	.750	.750	.094	.094	.094	T5511
029	.750	.500	.063	.063	.063	T5511
031	.875	.300	.063	.063	.063	T5511
033	.875	.625	.063	.125	.063	T5511
035	.875	.875	.094	.094	.094	T5511
037	.875	.875	.125	.094	.125	T5511
039	.875	.875	.094	.094	.094	T5511
041	.875	.875	.063	.094	.063	T5511
043	1.000	.500	.063	.125	.063	T5511
045	1.000	.500	.063	.063	.063	0
047	1.000	.625	.063	.125	.063	T5511
049	1.000	.750	.063	.125	.063	T5511
051	1.000	.750	.070	.062	.071	T5511
053	1.000	.750	.070	.062	.071	T5511
055	1.000	.750	.070	.062	.071	0
057	1.000	.750	.125	.125	.125	T5511
059	1.000	.750	.125	.125	.125	T5511
061	1.000	.750	.040	.063	SQUARE	T5511
063	1.000	.875	.094	.125	.094	T5511
065	1.000	.875	.063	.125	.063	T5511
067	1.000	.875	.125	.125	.125	T5511
069	1.000	.875	.063	.125	.063	T5511
071	1.000	1.000	.094	.125	.094	0
073	1.000	1.000	.094	.125	.094	T5511
075	1.000	1.000	.050	.062	SQUARE	0
077	1.000	1.000	.050	.062	SQUARE	T5511
079	1.000	1.000	.050	.062	SQUARE	T5511
081	1.000	1.000	.125	.125	.125	0
083	1.000	1.000	.063	.125	.063	0

P. A.	AS	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cont	MR		ANGLE, SHAPE STYLE I ALUMINUM ALLOY 2024	MS14284
99				
PROCUREMENT SPECIFICATION	SUPERSEDED		PAGE	1 OF 4
QQ-A-200				

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9540-0089

APPROVED 29 Feb 1984 REVISED

FED. SUP CLASS
9540

TABLE I. DASH NUMBERS. (CONTINUED)

DASH NO.	A	B	T	R ₁	R ₂	TEMPER
085	1.000	1.000	.063	.188	.063	T3511
087	1.000	1.000	.125	.125	.094	0
089	1.000	1.000	.063	.125	SQUARE	T3511
091	1.000	1.000	.063	.188	.063	T3511
093	1.000	1.000	.125	.188	.125	T3511
095	1.000	1.000	.125	.188	.125	0
097	1.125	.625	.050	.062	.031	T3511
099	1.125	.875	.094	.125	.094	T3511
101	1.125	.875	.094	.125	.094	T3511
103	1.125	.875	.094	.125	.094	0
105	1.125	.875	.063	.125	.063	T3511
107	1.150	1.000	.100	.125	SQUARE	T3511
109	1.250	.750	.094	.125	.094	T3511
111	1.250	.750	.063	.125	.063	T3511
113	1.250	.750	.051	.062	SQUARE	T3511
115	1.250	.750	.051	.062	SQUARE	T3511
117	1.250	1.000	.125	.125	.125	T3511
119	1.250	1.000	.094	.125	.094	0
121	1.250	1.000	.125	.125	.125	T3511
123	1.250	1.125	.090	.090	SQUARE	T3511
125	1.250	1.250	.094	.188	.094	T3511
127	1.250	1.250	.094	.188	.094	T3511
129	1.270	1.250	.062	.062	SQUARE	0
131	1.270	1.250	.062	.062	SQUARE	T3511
133	1.375	.750	.070	.094	SQUARE	T3511
135	1.375	.875	.094	.156	.094	T3511
137	1.375	.875	.063	.156	.063	0
139	1.375	.875	.063	.156	.063	T3511
141	1.375	.875	.063	.156	.063	T3511
143	1.375	.875	.125	.156	.125	T3511
145	1.375	1.125	.094	.156	.094	T3511
147	1.375	1.125	.063	.156	.063	T3511
149	1.375	1.375	.094	.188	.094	T3511
151	1.375	1.375	.094	.188	.094	T3511
153	1.500	1.000	.094	.156	.094	0
155	1.500	1.000	.063	.156	.063	T3511
157	1.500	1.125	.050	.094	SQUARE	T3511
159	1.500	1.250	.125	.156	.125	0
161	1.500	1.250	.072	.090	.070	T3511
163	1.500	1.250	.072	.090	.070	T3511
165	1.500	1.250	.094	.156	.094	T3511
167	1.500	1.250	.094	.156	.094	T3511
169	1.500	1.250	.063	.156	.063	T3511
171	1.500	1.250	.050	.125	SQUARE	T3511
173	1.500	1.250	.156	.156	.156	T3511
175	1.500	1.500	.125	.188	.125	T3511
177	1.500	1.500	.094	.188	.094	T3511
179	1.500	1.500	.063	.188	.063	T3511
181	1.625	.875	.094	.156	.094	T3511
183	1.625	1.125	.094	.156	.094	T3511
185	1.625	1.375	.094	.156	.094	T3511
187	1.625	1.375	.125	.125	.125	T3511
189	1.750	.750	.062	.125	SQUARE	T3511
191	1.750	.750	.062	.125	SQUARE	0
193	1.750	.750	.062	.125	SQUARE	T3511
195	1.750	1.000	.094	.156	.094	T3511
197	1.750	1.000	.094	.156	.094	T3511

APPROVED 29 Feb 1984 REVISED

P. A.	AS	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cost	MR 99		ANGLE, SHAPE STYLE I ALUMINUM ALLOY 2024	MSI4284
PROCUREMENT SPECIFICATION QQ-A-200			SUPERSEDES	PAGE 2 OF 4

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9540-0089

USER ACTIVITIES:
NAVY-OS,SHREVIEWER ACTIVITIES:
AIR FORCE - 84
DLA-IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

TABLE I. DATA NUMBERS. (CONTINUED)

DASH NO.	A	B	T	R ₁	R ₂	TPPER
199	1.750	1.125	.064	.125	SQUARE	T3511
201	1.750	1.250	.125	.156	.125	T3511
203	1.750	1.250	.125	.156	.125	T3511
205	1.750	1.500	.156	.156	.156	T3511
207	1.750	1.500	.125	.156	.125	T3511
209	1.750	1.500	.094	.156	.094	T3511
211	1.750	1.750	.094	.250	.094	T3511
213	1.800	1.800	.090	.094	SQUARE	0
215	1.810	1.150	.071	.125	SQUARE	0
217	1.875	.938	.078	.125	.078	T3511
219	1.875	.938	.078	.125	.078	T3511
221	1.875	1.125	.094	.156	.094	T3511
223	1.875	1.175	.125	.156	.125	T3511
225	1.875	1.625	.094	.156	.094	T3511
227	2.000	1.000	.125	.156	.125	T3511
229	2.000	1.250	.250	.156	.250	T3511
231	2.000	1.500	.094	.125	SQUARE	T3511
233	2.000	1.500	.064	.125	SQUARE	T3511
235	2.000	1.500	.064	.125	SQUARE	T3511
237	2.000	1.625	.125	.094	SQUARE	T3511
239	2.000	1.625	.100	.125	SQUARE	T3511
241	2.000	1.625	.100	.125	SQUARE	T3511
243	2.000	2.000	.125	.250	.125	T3511
245	2.000	2.000	.125	.250	.125	T3511
247	2.000	2.000	.094	.250	.094	T3511
249	2.050	.700	.063	.093	SQUARE	T3511
251	2.050	.700	.063	.093	SQUARE	T3511
253	2.120	1.800	.070	.093	.031	T3511
255	2.120	1.800	.070	.093	.031	T3511
257	2.150	.812	.090	.262	SQUARE	T3511
259	2.180	.812	.081	.062	SQUARE	T3511
261	2.250	1.000	.094	.094	SQUARE	T3511
263	2.250	1.000	.094	.094	SQUARE	0
265	2.250	2.250	.125	.250	.125	T3511
267	2.250	2.250	.175	.250	.250	0
269	2.250	2.150	.090	.199	SQUARE	T3511
271	2.500	1.250	.070	.094	SQUARE	0
273	2.500	1.500	.156	.156	.156	T3511
275	2.500	2.000	.250	.250	.250	T3511
277	2.500	2.500	.125	.250	.125	T3511
279	2.500	2.500	.438	.250	.438	T3511
281	2.625	1.750	.072	.125	SQUARE	T3511
283	2.625	1.750	.072	.125	SQUARE	0
285	2.625	1.750	.072	.125	SQUARE	T3511
287	2.710	1.090	.100	.125	SQUARE	T3511
289	3.000	.900	.080	.125	SQUARE	T3511
291	3.000	1.500	.188	.250	SQUARE	T3511
293	3.000	1.800	.063	.125	SQUARE	T3511
295	3.000	2.000	.250	.250	.250	T3511
297	3.500	1.750	.093	.156	SQUARE	T3511
299	3.500	1.750	.093	.156	SQUARE	T3511
301	3.500	3.500	.175	.175	.175	T3511
303	3.750	3.250	.250	.175	.250	T3511
305	4.000	2.500	.125	.125	SQUARE	T3511
307	4.000	2.500	.125	.125	SQUARE	0
309	4.000	2.500	.125	.125	SQUARE	T3511

USER ACTIVITIES:
NAVY-09,SHREVIEWER ACTIVITIES:
AIR FORCE-84
DLA-13

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for replacement use shall be made from this document.

P. A.	AS	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Code	MR		ANGLE, SHAPE STYLE I ALUMINUM ALLOY 2024	MSI4284
PROCUREMENT SPECIFICATION	Q0-A-200	SUPERSEDES		PAGE 3 OF 4

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9540-0089

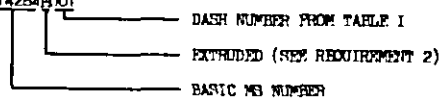
APPROVED 29 Feb 1984 REVISED

FED. SUP CLASS
9540

REQUIREMENTS:

1. MATERIAL. ALUMINUM ALLOY 2024 (UNS A92024), AS SPECIFIED IN QQ-A-200/3
2. FORMING PROCESS. EXTRUDED
3. PART NUMBER. THE PART NUMBER CONSIST OF THE BASIC MS NUMBER, PLUS A FORMING PROCESS CODE, PLUS A DASH NUMBER FROM TABLE I.

EXAMPLE: MS14284001



4. MARKING. ALUMINUM AND ALUMINUM ALLOYS SHALL BE MARKED WITH THE PRODUCER'S NAME OR REGISTERED TRADE MARK, THE PART NUMBER (MILITARY STANDARD (MS) NUMBER PLUS THE APPLICABLE DASH NUMBER), AND THE LOT NUMBER, AND THIS MARKING SHALL BE APPLIED IN ACCORDANCE WITH FED-STD-164.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. STANDARD LENGTH OF STRUCTURAL ANGLE IS 10 FEET MINIMUM, 12 FEET MAXIMUM.
3. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL. EXCEPT THE REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
4. FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

USER ACTIVITIES:
NAVY-OS,SHREVIEWER ACTIVITIES:
AIR FORCE - 84
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Deviation for all new engineering and design applications and for repetitive use shall be made from this document.

APPROVED 29 Feb 1984
REVISED

P. A. Other Cost	AS MR 99	INTERNATIONAL INTEREST	TITLE ANGLE, SHAPE STYLE I ALUMINUM ALLOY 2024	MILITARY STANDARD MS14284
PROCUREMENT SPECIFICATION QQ-A-200			SUPERSEDES	PAGE 4 OF 4

DD FORM 672-1 (COORDINATED)
1 MAY 77

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9540-0089