

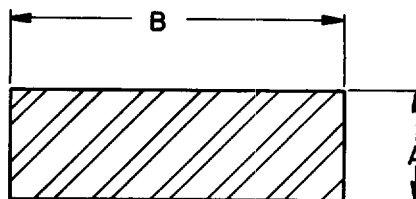
FED. SUP CLASS  
9510

TABLE I. DASH NUMBERS.

DASH NO	A	B	HEAT TREATMENT	FORMING PROCESS (SEE REQT 3)	ADDITIONAL REQT (SEE REQT 4)	DASH NO	A	B	HEAT TREATMENT	FORMING PROCESS (SEE REQT 3)	ADDITIONAL REQT (SEE REQT 4)
001	.2500	.375	NORMALIZED	C		067	.3125	1.000	NORMALIZED AND TEMPERED	C	
003	.2500	.500	ANNEALED	H		069	.3125	1.250	NORMALIZED AND TEMPERED	C	
005	.2500	.500	NORMALIZED	C		071	.3125	2.000	NORMALIZED	C	
007	.2500	.625	NORMALIZED AND TEMPERED	C		073	.3125	2.500	NORMALIZED	C	
009	.2500	.625	ANNEALED	C		075	.3125	3.000	NORMALIZED	C	
011	.2500	.750	ANNEALED	H		077	.3750	.500	ANNEALED	C	
013	.2500	.750	ANNEALED	C		079	.3750	.500	NORMALIZED	C	
015	.2500	.750	NORMALIZED AND TEMPERED	C		081	.3750	.625	ANNEALED	C	
017	.2500	.750	NORMALIZED	C		083	.3750	.750	NORMALIZED	C	
019	.2500	1.000	ANNEALED	H		085	.3750	1.000	ANNEALED	C	
021	.2500	1.000	ANNEALED	C		087	.3750	1.000	NORMALIZED AND TEMPERED	C	
023	.2500	1.000	NORMALIZED AND TEMPERED	C		089	.3750	1.000	TEMPERED HARDENED AND TEMPERED	C	
025	.2500	1.000	NORMALIZED	C		091	.3750	1.000	NORMALIZED	C	
027	.2500	1.000	NORMALIZED	H		093	.3750	1.000	ANNEALED	H	
029	.2500	1.250	ANNEALED	H		095	.3750	1.250	ANNEALED	C	
031	.2500	1.250	NORMALIZED	C		097	.3750	1.250	NORMALIZED	C	
033	.2500	1.500	ANNEALED	H		099	.3750	1.500	ANNEALED	C	
035	.2500	1.500	ANNEALED	C		101	.3750	1.500	NORMALIZED AND TEMPERED	C	
037	.2500	1.500	NORMALIZED	C		103	.3750	1.500	NORMALIZED	C	
039	.2500	1.750	ANNEALED	H		105	.3750	2.000	ANNEALED	C	
041	.2500	1.750	ANNEALED	C		107	.3750	2.000	NORMALIZED	C	
043	.2500	1.750	NORMALIZED AND TEMPERED	C		109	.3750	2.500	ANNEALED	C	
045	.2500	2.000	ANNEALED	H		111	.3750	2.500	NORMALIZED AND TEMPERED	C	
047	.2500	2.000	ANNEALED	C		113	.3750	2.500	NORMALIZED	C	
049	.2500	2.000	NORMALIZED	C		115	.3750	3.000	NORMALIZED	C	
051	.2500	2.000	NORMALIZED AND TEMPERED	C		117	.3750	3.000	ANNEALED	C	
053	.2500	2.000	TEMPERED HARDENED AND TEMPERED	C		119	.3750	3.500	ANNEALED	C	
055	.2500	2.500	ANNEALED	H		121	.3750	4.000	ANNEALED	C	
057	.2500	2.500	ANNEALED	C		123	.3750	4.000	NORMALIZED	C	
059	.2500	2.500	NORMALIZED AND TEMPERED	C		125	.3750	6.000	ANNEALED	C	
061	.2500	3.000	ANNEALED	C		127	.3750	6.000	NORMALIZED	C	
063	.2500	3.000	NORMALIZED	C		129	.4375	.500	HARDENED AND TEMPERED	C	
065	.3125	.750	NORMALIZED AND TEMPERED	C		131	.4375	.500	NORMALIZED	C	

USER ACTIVITIES:  
NAVY - MC, OSREVIEWER 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 when applicable.

P.A.	AS	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cust	MR		BAR, METAL, FLAT, ALLOY STEEL 4130 CHROME - MOLYBDENUM (AIRCRAFT QUALITY)	MSI4296
PROCUREMENT SPECIFICATION	MIL-S-6758	SUPERSEDES:		PAGE 1 OF 4

FED. SUP CLASS  
9510

TABLE I. DASH NUMBERS. - CONTINUED

DASH NO	A	B	HEAT TREATMENT	FORMING PROCESS (SEE REQT 3)	ADDITIONAL REQT (SEE REQT 4)	DASH NO	A	B	HEAT TREATMENT	FORMING PROCESS (SEE REQT 3)	ADDITIONAL REQT (SEE REQT 4)
133	.4375	.750	NORMALIZED	C		217	.6250	2.000	NORMALIZED	C	
135	.5000	.625	ANNEALED	C		219	.6250	2.250	NORMALIZED	C	
137	.5000	.750	NORMALIZED	C		221	.6250	2.500	ANNEALED	C	
139	.5000	.750	ANNEALED	H		223	.6250	2.500	NORMAL- IZED AND	C	
141	.5000	.750	HARDENED AND TEMPERED	C		225	.6250	3.000	ANNEALED	H	
143	.5000	1.000	ANNEALED	C		227	.6250	3.000	ANNEALED	C	
145	.5000	1.000	ANNEALED	H		229	.6250	3.000	NORMALIZED	C	
147	.5000	1.000	HARDENED AND TEMPERED	C		231	.6250	4.000	ANNEALED	C	
149	.5000	1.000	NORMALIZED	C		233	.6250	4.000	NORMALIZED	C	
151	.5000	1.000	NORMALIZED AND TEMPERED	C		235	.6250	6.000	ANNEALED	H	
153	.5000	1.250	ANNEALED	H		237	.6250	6.000	ANNEALED	C	
155	.5000	1.250	ANNEALED	C		239	.6250	6.000	NORMALIZED	C	
157	.5000	1.250	NORMALIZED	C		241	.7500	.750	ANNEALED	C	
159	.5000	1.500	ANNEALED	H		243	.7500	1.000	NORMALIZED	C	
161	.5000	1.500	ANNEALED	C		245	.7500	1.250	NORMALIZED	C	
163	.5000	1.500	HARDENED AND TEMPERED	C		247	.7500	1.500	ANNEALED	C	
165	.5000	1.500	NORMALIZED	C		249	.7500	1.500	ANNEALED	H	
167	.5000	1.750	NORMALIZED AND TEMPERED	C		251	.7500	1.500	NORMALIZED AND TEMPERED	C	
169	.5000	2.000	ANNEALED	C		253	.7500	1.750	ANNEALED	C	
171	.5000	2.000	ANNEALED	H		255	.7500	2.000	ANNEALED	C	
173	.5000	2.000	NORMALIZED	C		257	.7500	2.000	NORMALIZED	C	
175	.5000	2.250	NORMALIZED	C		259	.7500	2.000	NORMALIZED	H	
177	.5000	2.500	ANNEALED	C		261	.7500	2.500	NORMALIZED	C	
179	.5000	2.500	HARDENED AND TEMPERED	C		263	.7500	3.000	ANNEALED	C	
181	.5000	2.500	NORMALIZED	C		265	.7500	3.000	NORMALIZED AND TEMPERED	C	
183	.5000	3.000	ANNEALED	C		267	.7500	4.000	ANNEALED	C	
185	.5000	3.000	NORMALIZED	C		269	.7500	4.000	NORMALIZED	C	
187	.5000	3.000	HARDENED AND TEMPERED	C		271	.7500	4.000	NORMALIZED AND TEMPERED	C	
189	.5000	3.500	ANNEALED	H		273	.7500	6.000	ANNEALED	C	
191	.5000	3.500	NORMALIZED	C		275	.7500	6.000	NORMALIZED	C	
193	.5000	4.000	ANNEALED	C		277	.8750	1.000	NORMALIZED	C	
195	.5000	4.000	NORMALIZED	C		279	.8750	1.000	ANNEALED	C	
197	.5000	6.000	ANNEALED	C		281	.8750	2.000	NORMALIZED AND TEMPERED	C	
199	.5000	6.000	NORMALIZED	C		283	.8750	3.000	NORMALIZED	C	
201	.6250	.750	HARDENED AND TEMPERED	C		285	1.000	1.250	NORMALIZED AND TEMPERED	C	
203	.6250	.750	ANNEALED	H		287	1.000	1.250	NORMALIZED	C	
205	.6250	1.000	NORMALIZED	C		289	1.000	1.500	NORMALIZED	C	
207	.6250	1.250	NORMALIZED	C		291	1.000	1.500	ANNEALED	C	
209	.6250	1.500	NORMALIZED	C		293	1.000	2.000	ANNEALED	C	
211	.6250	1.500	ANNEALED	H		295	1.000	2.000	NORMALIZED AND TEMPERED	C	
213	.6250	1.500	HARDENED AND TEMPERED	C		297	1.000	2.000	NORMALIZED	C	
215	.6250	2.000	ANNEALED	C		299	1.000	2.000	HARDENED AND TEMPERED	C	

P.A.	AS	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cust	MR		BAR, METAL, FLAT, ALLOY STEEL 4130 CHROME-MOLYBDENUM (AIRCRAFT QUALITY)	MS14296
PROCUREMENT SPECIFICATION	MIL - S - 6758	SUPERSEDES:	PAGE 2 OF 4	

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9510-0422

USER ACTIVITIES:  
NAVY - MC, OSREVIEWER 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 when applicable.

REVISED  
9 October 1984

FED. SUP CLASS  
9510

TABLE I. DASH NUMBERS. - CONTINUED

DASH NO	A	B	HEAT TREATMENT	FORMING PROCESS (SEE REQT 3)	ADDITIONAL REQT (SEE REQT 4)	DASH NO	A	B	HEAT TREATMENT	FORMING PROCESS (SEE REQT 3)	ADDITIONAL REQT (SEE REQT 4)
301	1.000	2.250	HARDENED AND TEMPERED	C		361	1.500	4.000	NORMALIZED	C	
303	1.000	2.500	NORMALIZED AND TEMPERED	C		363	1.500	5.000	ANNEALED	C	
305	1.000	2.500	HARDENED AND TEMPERED	C		365	1.500	6.000	NORMALIZED	C	
307	1.000	2.500	ANNEALED	H		367	1.750	2.500	ANNEALED	H	
309	1.000	3.000	ANNEALED	C		369	1.750	2.500	NORMALIZED	H	
311	1.000	3.000	NORMALIZED	C		371	1.750	2.500	HARDENED AND TEMPERED	C	
313	1.000	4.000	ANNEALED	H		373	2.000	2.500	ANNEALED	H	
315	1.000	4.000	ANNEALED	C		375	2.000	2.500	NORMALIZED	H	
317	1.000	4.000	NORMALIZED	C		377	2.000	2.500	ANNEALED	C	
319	1.000	6.000	ANNEALED	C		379	2.000	2.750	ANNEALED	C	
321	1.000	6.000	NORMALIZED	C		381	1.750	3.000	NORMALIZED	C	
323	1.250	1.500	NORMALIZED	C		383	2.000	3.000	NORMALIZED	H	
325	1.250	1.500	ANNEALED	C		385	2.000	4.000	NORMALIZED	H	
327	1.250	1.500	NORMALIZED AND TEMPERED	C		387	2.000	4.500	NORMALIZED	H	
329	1.250	1.625	HARDENED AND TEMPERED	C		389	2.000	6.000	NORMALIZED	H	sb
331	1.250	1.750	HARDENED AND TEMPERED	C		391	2.000	8.000	ANNEALED	C	
333	1.250	2.000	ANNEALED	C		393	2.250	2.500	ANNEALED	C	
335	1.250	2.000	NORMALIZED	C		395	2.250	3.000	NORMALIZED	H	
337	1.250	2.500	NORMALIZED AND TEMPERED	C		397	2.500	3.000	NORMALIZED	C	
339	1.250	3.000	NORMALIZED	C		399	3.000	3.500	NORMALIZED	H	
341	1.250	3.000	HARDENED AND TEMPERED	C		401	3.000	5.000	ANNEALED	C	
343	1.250	4.000	ANNEALED	C		403	3.000	6.000	NORMALIZED	H	
345	1.250	4.000	NORMALIZED	C		405	3.500	8.000	NORMALIZED	H	
347	1.250	6.000	NORMALIZED	C		407	4.000	6.000	NORMALIZED	H	
349	1.500	2.000	NORMALIZED	C		409	4.250	8.000	ANNEALED	C	
351	1.500	2.500	ANNEALED	C		411	5.000	5.000	NORMALIZED	C	
353	1.500	3.000	ANNEALED	H		413	5.000	6.000	NORMALIZED	H	
355	1.500	3.000	ANNEALED	C		415	8.000	12.000	NORMALIZED	C	
357	1.500	3.000	NORMALIZED AND TEMPERED	C							
359	1.500	3.000	NORMALIZED	C							

USER ACTIVITIES:  
NAVY-MC, OSREVIEWER ACTIVITIES:  
AIR FORCE -84  
DLA -IS

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P.A. Other Cust	AS MR 99	INTERNATIONAL INTEREST	TITLE BAR,METAL,FLAT,ALLOY STEEL 4130 CHROME-MOLYBDENUM (AIRCRAFT QUALITY)	MILITARY STANDARD MS14296
PROCUREMENT SPECIFICATION MIL-S-6758		SUPERSEDES:		PAGE 3 OF 4

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9510-0422

APPROVED 9 October 1984  
REVISED

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## REQUIREMENTS:

1. MATERIAL. ALLOY STEEL 4130 (UNS G41300), AS SPECIFIED IN PROCUREMENT DOCUMENT.
2. LENGTH. STANDARD LENGTH OF FLAT BAR IS 10 FEET MINIMUM, 12 FEET MAXIMUM.
3. FORMING PROCESS. COLD DRAWN - CODE "C".  
HOT ROLLED - CODE "H"
4. ADDITIONAL REQUIREMENTS. PICKLED OVERALL - CODE "po"  
SANDBLASTED OVERALL - CODE "sb"
5. PART NUMBER. THE PART NUMBER CONSISTS OF THE BASIC MS NUMBER, PLUS A FORMING PROCESS CODE, PLUS A DASH NUMBER FROM TABLE I.

EXAMPLE: MS14296C001

DASH NUMBER FROM TABLE I

COLD DRAWN (SEE REQUIREMENT 3)

BASIC MS NUMBER

6. MARKING. IRON AND STEEL PRODUCTS SHALL BE MARKED IN ACCORDANCE WITH FED-STD-183 WITH THE EXCEPTION THAT A PART NUMBER FROM THIS MILITARY STANDARD SHALL BE INCLUDED AS PART OF THE IDENTIFICATION MARKING.

## NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. 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.
3. FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

APPROVED 9 October 1984  
REVISED

P.A. Other Cust	AS MR 99	INTERNATIONAL INTEREST	TITLE BAR, METAL, FLAT, ALLOY STEEL 4130 CHROME-MOLYBDENUM (AIRCRAFT QUALITY)	MILITARY STANDARD MS14296
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