

FED. SUP CLASS  
9510USER 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.

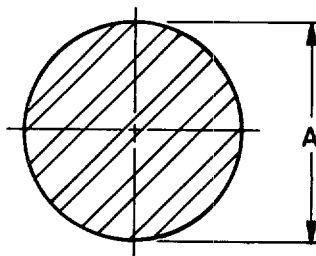


TABLE I. DASH NUMBERS.

DASH NO	A	HEAT TREATMENT	FORMING PROCESS (SEE REQ 3)	ADDITIONAL REQ (SEE REQ 4)	DASH NO	A	HEAT TREATMENT	FORMING PROCESS (SEE REQ 3)	ADDITIONAL REQ (SEE REQ 4)
001	.375	ANNEALED	H	po or sb	049	.625	ANNEALED	H	
003	.375	HARDENED AND TEMPERED	H		051	.675	ANNEALED	H	
005	.375	NORMALIZED	H		053	.688	HARDENED AND TEMPERED	H	
007	.375	NORMALIZED AND TEMPERED	H		055	.688	NORMALIZED AND TEMPERED	H	
009	.375	ANNEALED	H		057	.688	NORMALIZED	H	
011	.437	ANNEALED	H		059	.750	ANNEALED	H	po or sb
013	.437	HARDENED AND TEMPERED	H		061	.750	NORMALIZED	C	
015	.437	NORMALIZED	H		063	.750	NORMALIZED AND TEMPERED	C	
017	.437	ANNEALED	H	rt	065	.750	HARDENED AND TEMPERED	H	
019	.437	AS FORGED	H		067	.750	ANNEALED	H	
021	.500	ANNEALED	H	po or sb	069	.813	HARDENED AND TEMPERED	H	po or sb
023	.500	NORMALIZED AND TEMPERED	H		071	.813	NORMALIZED	H	
025	.500	HARDENED AND TEMPERED	H		073	.875	ANNEALED	H	po or sb
027	.500	NORMALIZED	H	sb	075	.875	NORMALIZED	H	
029	.500	NORMALIZED	C		077	.875	HARDENED AND TEMPERED	H	
031	.500	ANNEALED	H		079	.875	AS FORGED	H	
033	.563	ANNEALED	H	po or sb	081	.875	ANNEALED	H	
035	.563	HARDENED AND TEMPERED	H		083	.938	NORMALIZED	H	
037	.563	NORMALIZED	H	sb	085	.938	ANNEALED	H	
039	.563	NORMALIZED AND TEMPERED	H		087	1.000	ANNEALED	H	po
041	.563	ANNEALED	H		089	1.000	ANNEALED	H	
043	.625	ANNEALED	H	po or sb	091	1.000	NORMALIZED AND TEMPERED	H	
045	.625	NORMALIZED	H		093	1.000	NORMALIZED	C	
047	.625	HARDENED AND TEMPERED	H		095	1.000	HARDENED AND TEMPERED	H	

P.A. Other Cust	AS MR 99	INTERNATIONAL INTEREST	TITLE BAR, METAL, ROUND, ALLOY STEEL 4130 CHROME-MOLYBDENUM (AIRCRAFT QUALITY)	MILITARY STANDARD MS14294
PROCUREMENT SPECIFICATION MIL-S-6758			SUPERSEDES:	PAGE 1 OF 3

FED. SUP CLASS  
9510

TABLE I. DASH NUMBERS. - CONTINUED

DASH NO	A	HEAT TREATMENT	FORMING PROCESS (SEE REQT 3)	ADDITIONAL REQT (SEE REQT 4)	DASH NO	A	HEAT TREATMENT	FORMING PROCESS (SEE REQT 3)	ADDITIONAL REQT (SEE REQT 4)
097	1.000	AS FORGED	H		177	2.000	NORMALIZED	C	
099	1.063	NORMALIZED	H		179	2.000	NORMALIZED	H	po or sb
101	1.063	AND TEMPERED	H		181	2.250	NORMALIZED	H	po or sb
		ANNEALED	H		183	2.500	ANNEALED	H	po or sb
103	1.188	NORMALIZED	H		185	2.500	ANNEALED	H	
105	1.125	AND TEMPERED	H		187	2.500	NORMALIZED	H	
107	1.125	ANNEALED	H	po or sb	189	2.500	NORMALIZED	H	rt
109	1.125	HARDENED AND TEMPERED	H		191	2.500	NORMALIZED	H	po or sb
111	1.125	NORMALIZED	H		193	2.750	NORMALIZED	H	po
113	1.125	AND TEMPERED	H		195	3.000	ANNEALED	H	po or sb
					197	3.000	NORMALIZED	C	
115	1.250	ANNEALED	H		199	3.000	NORMALIZED	H	po
117	1.250	ANNEALED	H	po or sb	201	3.000	NORMALIZED	H	sb
119	1.250	NORMALIZED	C		203	3.250	NORMALIZED	H	
					205	3.500	ANNEALED	H	
121	1.250	NORMALIZED	H		207	3.500	NORMALIZED	H	po or sb
123	1.250	AND TEMPERED	H		209	4.000	ANNEALED	H	
125	1.313	HARDENED	H		211	4.000	ANNEALED	H	po or sb
		AND TEMPERED			213	4.000	NORMALIZED	H	po or sb
127	1.313	NORMALIZED	H		215	4.500	NORMALIZED	H	
129	1.375	ANNEALED	H		217	5.000	ANNEALED	C	st
131	1.375	ANNEALED	H	po or sb	219	5.000	NORMALIZED	H	
					221	5.500	NORMALIZED	C	
133	1.375	NORMALIZED	H		223	5.500	NORMALIZED	H	
135	1.375	AND TEMPERED	H		225	6.000	ANNEALED	H	
137	1.375	HARDENED	H		227	6.000	NORMALIZED	H	
		AND TEMPERED			229	6.000	ANNEALED	C	st
139	1.438	NORMALIZED	H		231	7.000	ANNEALED	H	st
141	1.500	ANNEALED	H	po or sb	233	8.000	ANNEALED	H	
143	1.500	ANNEALED	H		235	8.000	NORMALIZED	H	
					237	8.000	ANNEALED	H	rt
145	1.500	NORMALIZED	H						
147	1.500	AND TEMPERED	H						
151	1.500	NORMALIZED	H	rt					
153	1.500	HARDENED AND TEMPERED	H						
155	1.563	ANNEALED	H						
157	1.625	ANNEALED	H						
159	1.750	ANNEALED	H	po or sb					
161	1.750	NORMALIZED	H	po					
163	1.750	AND TEMPERED	H						
165	1.750	ANNEALED	H						
167	1.875	NORMALIZED	H						
169	1.875	AND TEMPERED	H	po or sb					
171	1.875	NORMALIZED	H						
173	2.000	ANNEALED	H						
175	2.000	ANNEALED	H	po or sb					

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, ROUND, ALLOY STEEL 4130	
	99		CHROME-MOLYBDENUM (AIRCRAFT QUALITY)	MS14294
PROCUREMENT SPECIFICATION	SUPERSEDES:			PAGE 2 OF 3
MIL-S-6758				

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9510-0420

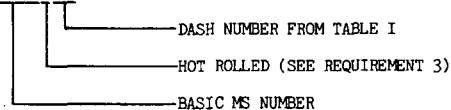
APPROVED 9 October 1984  
REVISED

FED. SUP CLASS  
9510

## REQUIREMENTS:

1. MATERIAL. ALLOY STEEL 4130 (UNS G41300), AS SPECIFIED IN PROCUREMENT DOCUMENT.
2. LENGTH. STANDARD LENGTH OF ROUND 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"  
SANDELASTED OVERALL - CODE "sb"  
SMOOTH-TURNED OVERALL - CODE "st"  
ROUGH TURNED OVERALL - CODE "rt"
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: MS14294H001



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.

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 BAR, METAL, ROUND, ALLOY STEEL 4130 CHROME - MOLYBDENUM (AIRCRAFT QUALITY)	MILITARY STANDARD
Other Cust MR 99			MS14294
PROCUREMENT SPECIFICATION MIL - S-6758	SUPERSEDES:	PAGE 3	OF 3

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9510 - 0420

APPROVED 9 October 1984 REVISED