

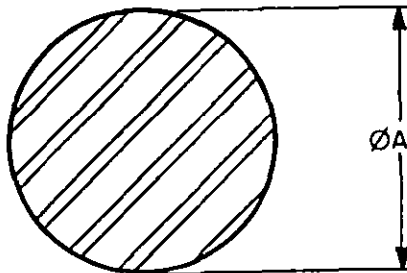
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TABLE 1. DASH NUMBERS AND DIMENSIONS

| DASH NUMBER | Ø A | HEAT TREATMENT | FORMING ^{1/} PROCESS | ADDITIONAL ^{2/} REQUIREMENTS |
|-------------|-------|--------------------------|-------------------------------|---------------------------------------|
| 001 | .375 | NORMALIZED | C | MF |
| 003 | .375 | ANNEALED | C | MF |
| 005 | .437 | ANNEALED | C | MF |
| 007 | .438 | ANNEALED | H | RTO |
| 009 | .438 | NORMALIZED | H | RTO |
| 011 | .438 | ANNEALED | C | MF |
| 013 | .500 | NORMALIZED & TEMPERED | C | MF |
| 015 | .500 | ANNEALED | C | MF |
| 017 | .500 | NORMALIZED | C | MF |
| 019 | .562 | ANNEALED | H | RTO |
| 021 | .562 | ANNEALED | C | MF |
| 023 | .625 | ANNEALED | C | RTO |
| 025 | .625 | ANNEALED | H | RTO |
| 027 | .625 | ANNEALED | C | MF |
| 029 | .688 | NORMALIZED | C | MF |
| 031 | .688 | ANNEALED | C | MF |
| 033 | .750 | ANNEALED | H | RTO |
| 035 | .750 | ANNEALED | H | RTO |
| 037 | .750 | NORMALIZED | H | RTO |
| 039 | .750 | ANNEALED | C | MF |
| 041 | .750 | NORMALIZED | C | MF |
| 043 | .812 | NORMALIZED & TEMPERED | C | MF |
| 045 | .875 | ANNEALED | H | RTO |
| 047 | .875 | ANNEALED | C | MF |
| 049 | .875 | ANNEALED | H | RTO |
| 051 | .938 | ANNEALED | H | RTO |
| 055 | 1.000 | ANNEALED | C | MF |
| 057 | 1.000 | NORMALIZED | C | MF |
| 059 | 1.000 | ANNEALED | H | BAP |
| 061 | 1.000 | ANNEALED | H | RTO |
| 063 | 1.000 | NORMALIZED | H | RTO |
| 065 | 1.062 | NORMALIZED & TEMPERED | C | MF |
| 067 | 1.125 | ANNEALED | H | RTO |
| 069 | 1.125 | NORMALIZED | C | MF |
| 071 | 1.125 | ANNEALED | H | RTO |
| 073 | 1.125 | ANNEALED | H | RTO |
| 075 | 1.125 | ANNEALED | C | MF |
| 077 | 1.250 | ANNEALED | H | RTO |
| 079 | 1.250 | QUENCH HARDENED TEMPERED | C | TP |

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AMSC N/A

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|--|---------------------------|---|-------------------|--|
| P.A. NAVY-AS Other Cust ARMY-MR AIR FORCE-99 | INTERNATIONAL INTEREST | TITLE BAR, METAL, ROUND, ALLOY STEEL E4340 | MILITARY STANDARD | |
| | | | MSI4528 | |
| PROCUREMENT SPECIFICATION MIL-S-5000 | SUPERSEDES. | PAGE 1 | OF 3 | |

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TABLE I. DASH NUMBERS AND DIMENSIONS - CONTINUED

| DASH NUMBER | Ø A | HEAT TREATMENT | FORMING ¹ PROCESS | ADDITIONAL ² REQUIREMENTS |
|-------------|-------|-----------------------|------------------------------|--------------------------------------|
| 081 | 1.250 | NORMALIZED | C | MF |
| 083 | 1.250 | ANNEALED | H | RTO |
| 085 | 1.250 | ANNEALED | H | RTO |
| 087 | 1.250 | ANNEALED | C | MF |
| 089 | 1.375 | ANNEALED | H | RTO |
| 091 | 1.375 | ANNEALED | H | RTO |
| 093 | 1.375 | ANNEALED | H | RTO |
| 095 | 1.375 | ANNEALED | C | MF |
| 097 | 1.500 | ANNEALED | C | MF |
| 099 | 1.625 | ANNEALED | H | RTO |
| 101 | 1.625 | ANNEALED | C | MF |
| 103 | 1.750 | ANNEALED | H | RTO |
| | | TEMPERED | | |
| 105 | 1.750 | ANNEALED | C | MF |
| 107 | 1.875 | NORMALIZED & TEMPERED | C | MF |
| 109 | 1.875 | ANNEALED | H | RTO |
| 111 | 1.875 | ANNEALED | C | MF |
| 113 | 2.000 | ANNEALED | H | RTO |
| 115 | 2.000 | HARDENED & TEMPERED | H | RTO |
| 117 | 2.000 | ANNEALED | C | MF |
| 119 | 2.000 | NORMALIZED & TEMPERED | H | RTO |
| 121 | 2.000 | NORMALIZED | H | RTO |
| 123 | 2.000 | ANNEALED | H | RTO |
| 125 | 2.250 | ANNEALED | C | MF |
| 127 | 2.250 | NORMALIZED | H | RTO |
| 129 | 2.250 | ANNEALED | H | RTO |
| 131 | 2.500 | NORMALIZED & TEMPERED | H | RTO |
| 133 | 2.500 | NORMALIZED | H | RTO |
| 135 | 2.500 | ANNEALED | H | RTO |
| 137 | 2.750 | ANNEALED | H | BAP |
| 139 | 2.750 | NORMALIZED | H | RTO |
| 141 | 3.000 | ANNEALED | H | RTO |
| 143 | 3.000 | ANNEALED | C | MF |
| 145 | 3.000 | NORMALIZED | H | RTO |
| 147 | 3.500 | ANNEALED | H | RTO |
| 149 | 3.500 | NORMALIZED & TEMPERED | H | RTO |
| 151 | 3.750 | ANNEALED | H | RTO |
| 153 | 4.000 | ANNEALED | H | RTO |
| 155 | 4.000 | NORMALIZED & TEMPERED | H | RTO |
| 157 | 4.500 | ANNEALED | H | RTO |
| 159 | 4.500 | ANNEALED | C | MF |
| 161 | 4.750 | ANNEALED | H | RTO |
| 163 | 5.000 | ANNEALED | H | RTO |

¹/ SEE REQUIREMENT 3²/ SEE REQUIREMENT 4REVISED
APPROVED DEC 21 1987

| | | | |
|--|------------------------|--|------------------------------|
| P.A. NAVY-AS Other Cust ARMY-MR AIR FORCE-99 | INTERNATIONAL INTEREST | TITLE BAR, METAL, ROUND, ALLOY STEEL E 4340 | MILITARY STANDARD MS14528 |
| PROCUREMENT SPECIFICATION MIL-S-5000 | SUPERSEDES | PAGE 2 OF 3 | |

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|---|---------------------------|--|--|
| | | FED. SUP CLASS 9510 | |
| REQUIREMENTS: 1. MATERIAL: ALLOY STEEL, E4340 (UNS G43406), 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: MILL FINISH - CODE "MF" ROUGH TURNED OVERALL - CODE "RTO" TURNED AND POLISHED - CODE "TP" 5. PART NUMBER: THE PART NUMBER CONSISTS OF THE BASIC NS NUMBER, PLUS A DASH NUMBER FROM TABLE I. EXAMPLE: <u>MS14528-001</u> (SEE TABLE I) BASIC NS 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. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE. 3. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN. | | | |
| APPROVED DEC 21 1987 REVISED | | | |
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