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MIL-F-1183/3A
5 May 1987
SUPERSEDING
MIL-F-1183/3
17 June 1983

MILITARY SPECIFICATION SHEET

FITTINGS, PIPE, CAST BRONZE, SILVER-BRAZING; COUPLING, PIPE

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the couplings described herein shall consist of this specification and the latest issue of MIL-F-1183.

SH 12161

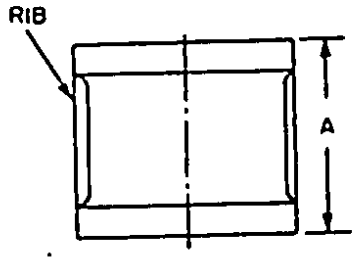

FIGURE 1. Coupling.

TABLE I. End-to-end dimensions.

Nominal pipe size	A (Inches)
1/4	0.97
3/8	1.05
1/2	1.29
3/4	1.43
1	1.68
1-1/4	1.86
1-1/2	1.92
2	2.20
2-1/2	2.88
3	3.18
3-1/2	3.43
4	3.69
5	4.22
6	4.75
8	5.75
10	6.50
12	7.00

PSC 4730

AMSC N/A

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REQUIREMENTS:

1. Coupling type. Regular couplings shall be type A (streamlined interior).
2. Slip coupling type. Slip couplings shall be made from type B (interior not streamlined) couplings and reamed through to dimension "J" of figure 2 in MIL-F-1183.
3. End-to-end dimensions. The end-to-end dimensions for couplings and slip couplings are given in table I. The tolerance on the end-to-end dimensions "A" shall be twice the tolerance given in table IV of MIL-F-1183 for the applicable nominal pipe size.
4. Ribs. Couplings and slip couplings may be furnished with or without ribs.
5. Specification sheet part number. Couplings covered by this specification sheet shall be designated in the following form (see 6.2(b) of MIL-F-1183).

MI183/3 - XX X

Specification sheet code number
Coupling style and pipe size code number (see requirement 6 herein)
Brazing ring groove and brazing ring code letter (see requirement 7 herein)

6. Coupling style and pipe size. The coupling style (coupling or slip coupling) and nominal pipe size are identified by two digits (see table II).

TABLE II. Code number to style and size.

Coupling	Slip coupling	Nominal pipe size
01	21	1/4
02	22	3/8
03	23	1/2
04	24	3/4
05	25	1
06	26	1-1/4
07	27	1-1/2
08	28	2
09	29	2-1/2
10	30	3
11	31	3-1/2
12	32	4
13	33	5
14	34	6
15	35	8
16	36	10
17	37	12

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7. Brazing ring groove and brazing ring. Face fed (no groove), grooved without brazing ring, grooved with brazing ring inserted in groove, grooved with brazing rings separately packaged and attached to the coupling or grooved with brazing rings separately packaged and shipped with but not attached to the coupling socket ends are identified by a single letter (see table III).

TABLE III. Code letter to socket condition.

Code letter	Condition of socket
N	No groove (face fed)
G 1/	Grooved (no brazing ring)
R 1/	Grooved with brazing ring inserted
A 2/	Grooved with brazing ring separately packaged and attached
S 1/	Grooved with brazing ring separately packaged and shipped with

1/ No National Stock Number (NSN) shall be established or exist in the Federal Supply System for coupling with the code letter of G, R or S.

2/ When the socket condition code letter is A, the brazing rings shall not be inserted in the grooves but shall be packaged separately and either included within each individual coupling package or physically attached to the coupling.

8. Specification part number definition. The specification sheet part number is a definitive part number which is formed by combining the specification sheet code number (M1183/3 for MIL-F-1183/3) with a dash after it, the coupling style and pipe size code number and the brazing ring groove and brazing ring code letter as specified in requirement 5.

Revision letters are not used to denote changes due to the extensiveness of the changes.

Custodians:
Army - ME
Navy - SH
Air Force - 99

Review activity:
DLA - CS

Preparing activity:
Navy - SH

Agent:
DLA - CS

(Project 4730-0646)