

INCH-POUND

MIL-DTL-83798/8C

18 August 2008

SUPERSEDING

MIL-DTL-83798/8B

18 September 2000

## DETAIL SPECIFICATION SHEET

FITTINGS, RUBBER HOSE, LIGHTWEIGHT, MEDIUM PRESSURE,  
SWIVEL FLANGE, 45 DEGREES

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

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-83798.

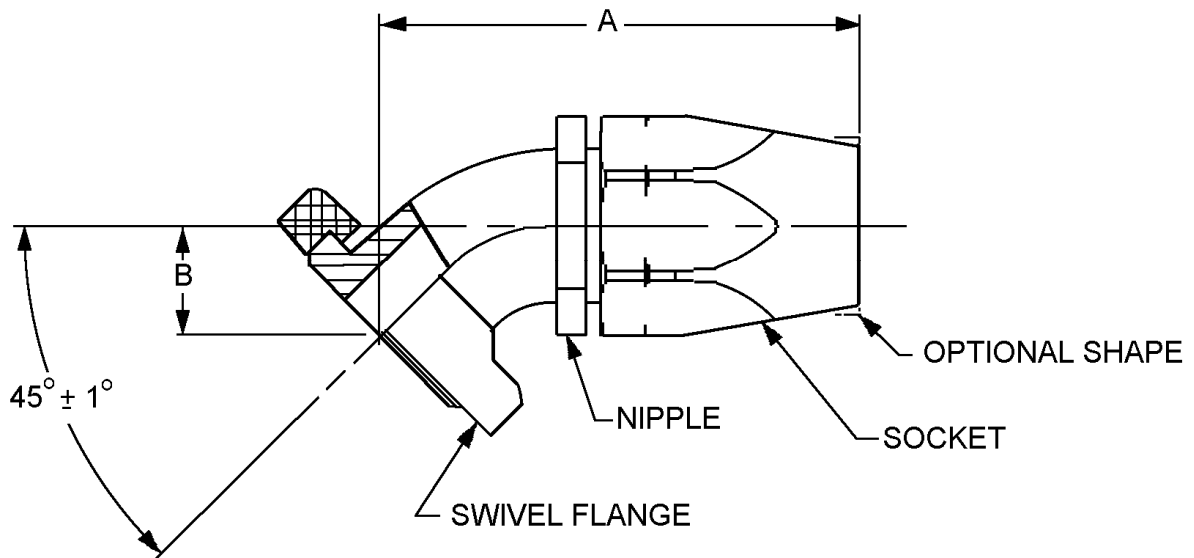


FIGURE 1. Fitting, swivel flange, 45 degrees.

## MIL-DTL-83798/8C

Dash Number	A (max)		B		Weight (max)	
	inch	mm	inch $\pm .035$	mm $\pm 0.883$	lbs.	grams
-8	1.89	48.01	.370	9.398	0.103	46.72
-10	2.04	51.82	.400	10.160	0.129	58.51
-12	2.64	67.06	.468	11.887	0.168	76.20
-16	2.90	73.66	.505	12.827	0.260	117.93
-20	3.25	82.55	.569	14.453	0.380	172.37
-24	3.45	87.63	.625	15.875	0.477	216.36
-32	3.92	99.57	.734	18.644	0.795	360.61

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.

FIGURE 1. Fitting, swivel flange, 45 degrees - Continued.

## REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1.

Materials and finishes. Materials and finishes for the flange, nipple, and socket shall be as specified in table I.

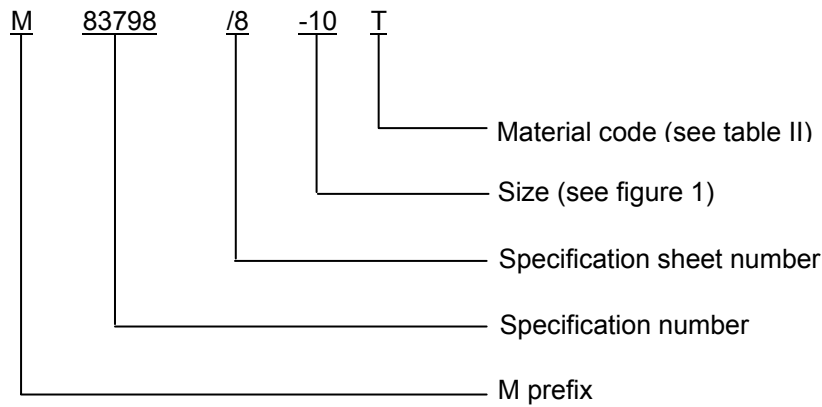
The swivel flange shall be in accordance with MS20756 and shall mate with MS33786.

TABLE I. Material and finish.

Component	Material	Finish
Socket and elbow	Aluminum in accordance with MIL-DTL-83798	Anodize in accordance with MIL-A-8625, type II.
Nipple		
Flange		
All components	Titanium in accordance with SAE-AMS4928 (alloy 6Al-4V)	Annealed

## MIL-DTL-83798/8C

Part or Identifying Number (PIN) example:



M83798/7-10L-T indicates: Swivel flange 45°, 7/8 inch, material titanium annealed.

Flange, nipple, and socket material and finish code is specified in table II.

TABLE II. Flange, nipple and socket material code.

PIN code dash letter	Material	Plating finish
Blank	Aluminum	Anodize
-T	Titanium	6Al-4V annealed

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-83798, this document references the following:

MIL-A-8625  
 MS20756  
 MS33786  
 SAE-AMS4928

MIL-DTL-83798/8C

CONCLUDING MATERIAL

Custodians:

Army - AV  
Navy - AS  
Air Force - 99  
DLA - CC

Preparing activity:  
DLA - CC

(Project 4730-2007-125)

Review activities:

Army - AT  
Navy-SA  
Air Force - 71, 85

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.