

INCH-POUND

MIL-P-83461/2  
30 JANUARY 1991

## MILITARY SPECIFICATION SHEET

PACKING, PREFORMED, PETROLEUM HYDRAULIC FLUID RESISTANT  
IMPROVED PERFORMANCE AT 275°F (135°C) FOR USE IN BOSS FITTINGS,  
SIZES AND TOLERANCES

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-P-83461.

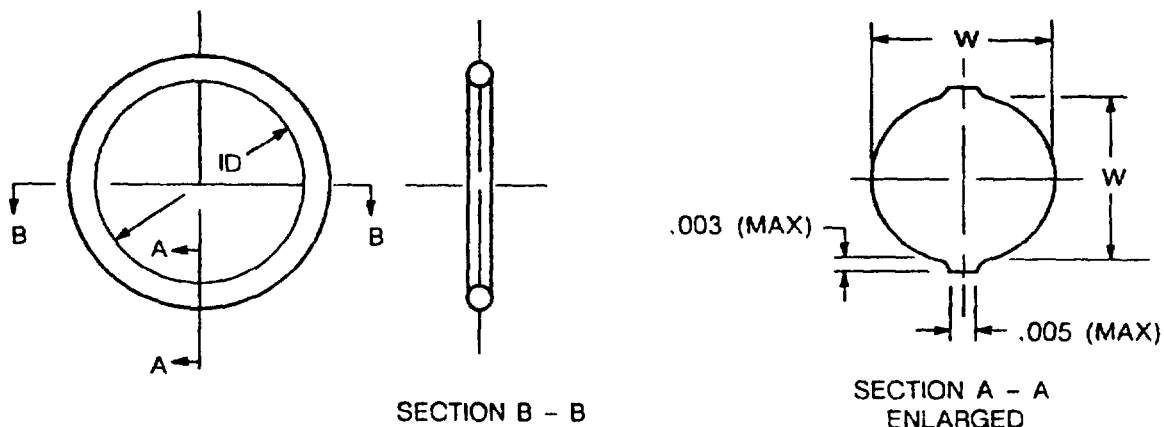
Purpose. The purpose of this specification sheet is to set up a standardized part numbering system for O-rings procured to MIL-P-83461 for use in straight thread tube boss fittings.

## APPLICABLE DOCUMENT

AS 568 Aerospace Size Standard for O-Rings

(Application for copies should be addressed to Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096.)

## DIMENSIONS AND TOLERANCES



AMSC N/A

1 OF 3

FSC 5330

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## MIL-P-83461/2

Intended use. O-rings listed in table I are recommended for use as straight thread tube fittings boss gaskets.

TABLE I. Straight thread tube fittings boss gaskets

Dash No. 1/	Tube Outside Diameter (inch)	W Cross-Section (inch)	I.D. (inch)
901	.094	.056	±.003
902	.125	.064	
903	.188	↓	
904	.250	.072	
905	.312	↓	
906	.375	.078	
907	.438	.082	
908	.500	.087	
909	.562	.097	
910	.625	↓	↓
911	.688	.116	±.004
912	.750	↓	
913	.812	↓	
914	.875	↓	
916	1.000	↓	
918	1.125	↓	
920	1.250	.118	
924	1.500	↓	
928	1.750	↓	
932	2.000	↓	

1/ All dash numbers conform with the uniform dash system of AS 568.

NOTES:

1. Dimensions are in inches, tolerances, decimals ±.
2. All diameters of cross-section shall equal w
3. Part numbers. When this document is used for procurement of O-rings, part numbers shall consist of the following:
  - a. The letter M and the specification sheet number.
  - b. A dash followed by the appropriate dash number from table I.

Example

M83461/2-905

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**Custodians:**

Army - AV  
Navy - AS  
Air Force - 11

**Preparing activity:**

Air Force - 11

**Review activities:**

Navy - SH  
Air Force - 82, 99  
DLA - IS

(Proj No. 5330-0853)

**User activities:**

Army - ME  
Navy - NADEPOT - Alameda  
Air Force - 71  
Marine Corps - MC