

MIL-B-8943A  
 AMENDMENT 3  
10 February 1978  
 SUPERSEDING  
 AMENDMENT 2  
 28 March 1969

# MILITARY SPECIFICATION

## BEARINGS, JOURNAL - PLAIN AND FLANGED, TFE LINED

This amendment forms a part of Military Specification MIL-B-8943, dated 10 August 1966, and is approved for use by all Departments and Agencies of the Department of Defense.

This specification inactive for new design after 10 February 1978.  
 Use MIL-B-81934.

PAGE 9

Following paragraph 6.4 insert the following interchangeability tables for Military Standards MS21240 and MS21241.

TABLE I

| INTERCHANGEABILITY TABLE |               |
|--------------------------|---------------|
| INACTIVE FOR NEW DESIGN  | SUPERSEDED BY |
| MS21240-04A              | M81934/1-04A  |
| ↑                        | ↑             |
| -05A                     | -05A          |
| -06A                     | -06A          |
| -07A                     | -07A          |
| -08A                     | -08A          |
| -09A                     | -09A          |
| -10A                     | -10A          |
| -11A                     | -11A          |
| -12A                     | -12A          |
| -14A                     | -14A          |
| -16A                     | -16A          |
| -18A                     | -18A          |
| -20A                     | -20A          |
| -22A                     | -22A          |
| -24A                     | -24A          |
| -26A                     | -26A          |
| -28A                     | -28A          |
| ↓                        | ↓             |
| MS21240-32A              | M81934/1-32A  |

TABLE II

| INTERCHANGEABILITY TABLE |               |
|--------------------------|---------------|
| INACTIVE FOR NEW DESIGN  | SUPERSEDED BY |
| MS21240-04C              | M81934/1-04C  |
| ↑                        | ↑             |
| -05C                     | -05C          |
| -06C                     | -06C          |
| -07C                     | -07C          |
| -08C                     | -08C          |
| -09C                     | -09C          |
| -10C                     | -10C          |
| -11C                     | -11C          |
| -12C                     | -12C          |
| -14C                     | -14C          |
| -16C                     | -16C          |
| -18C                     | -18C          |
| -20C                     | -20C          |
| -22C                     | -22C          |
| -24C                     | -24C          |
| -26C                     | -26C          |
| -28C                     | -28C          |
| ↓                        | ↓             |
| MS21240-32C              | M81934/1-32C  |

FSC 3120

## MIL-B-8943A

TABLE III

| INTERCHANGEABILITY TABLE |                   |
|--------------------------|-------------------|
| INACTIVE FOR NEW DESIGN  | SUPERSEDED BY     |
| MS21241-04A              | MIL-B-81934/2-04A |
| ↑                        | ↑                 |
| -05A                     | -05A              |
| -06A                     | -06A              |
| -07A                     | -07A              |
| -08A                     | -08A              |
| -09A                     | -09A              |
| -10A                     | -10A              |
| -11A                     | -11A              |
| -12A                     | -12A              |
| -14A                     | -14A              |
| -16A                     | -16A              |
| -18A                     | -18A              |
| -20A                     | -20A              |
| -22A                     | -22A              |
| -24A                     | -24A              |
| -26A                     | -26A              |
| -28A                     | -28A              |
| ↓                        | ↓                 |
| -32A                     | -32A              |

TABLE IV

| INTERCHANGEABILITY TABLE |                   |
|--------------------------|-------------------|
| INACTIVE FOR NEW DESIGN  | SUPERSEDED BY     |
| MS21241-04C              | MIL-B-81934/2-04C |
| ↑                        | ↑                 |
| -05C                     | -05C              |
| -06C                     | -06C              |
| -07C                     | -07C              |
| -08C                     | -08C              |
| -09C                     | -09C              |
| -10C                     | -10C              |
| -11C                     | -11C              |
| -12C                     | -12C              |
| -14C                     | -14C              |
| -16C                     | -16C              |
| -18C                     | -18C              |
| -20C                     | -20C              |
| -22C                     | -22C              |
| -24C                     | -24C              |
| -26C                     | -26C              |
| -28C                     | -28C              |
| ↓                        | ↓                 |
| -32C                     | -32C              |

Page 3, table I: Delete, and substitute:

"TABLE I. Load values

| Part No.       | Static limit load<br>(lbs.) | Oscillating load<br>(lbs.) | Test torque<br>(in./lbs. max.) |
|----------------|-----------------------------|----------------------------|--------------------------------|
| MS21240-08A012 | 9,100                       | 6,000                      | 75                             |
| -08C012        | 9,100                       | 6,000                      | 75                             |
| -16A016        | 26,400                      | 12,100                     | 300                            |
| -16C016        | 26,400                      | 12,100                     | 300                            |
| -24A016        | 39,600                      | 15,200                     | 570                            |
| -24C016        | 39,600                      | 15,200                     | 570                            |

Page 4, paragraph 4.3.1: Delete, and substitute:

"4.3.1 Sampling instructions. - Qualification test samples shall consist of 15 bearings conforming to MS21240-08A012 plus 15 bearings of each type (plain or flanged) of the following bore diameters, widths, and housing materials for which qualification is desired. All bearings necessary for tests specified herein shall be furnished by the manufacturer. Samples shall be identified as required and forwarded to the activity designated in the letter of authorization (see 6.3).

MIL-B-8943A

When approved: -08C012 Will qualify -04C thru -09C  
 -08A012 " " -04A " -09A  
 -16C016 " " -10C " -18C  
 -16A016 " " -10A " -18A  
 -24C016 " " -20C " -30C  
 -24A016 " " -20A " -30A

Page 5, table II, third column: Delete "(MS21240-08A04 only)" and substitute "(MS21240-08A012 only)".

Page 7:

(a) Paragraph 4.6.2:

(a) Third line: Delete "so gripped" and substitute "so installed".  
 (b) Sixth line: Delete "outer race" and substitute "bearing outside diameter".

(b) Paragraph 4.6.3, first line: Delete "MS21240-08A04" and substitute "MS21240-08A012".

Page 8, paragraph 6.3, eleventh and twelfth lines: Delete, and substitute:  
 "of products may be obtained from the Naval Air Development Center, Code  
 30211, Warminster, Pennsylvania 18974.

Custodians:  
 Navy - AS  
 Air Force - 11  
 Army - AV

Preparing Activity:  
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