

 SURFACE VEHICLE STANDARD	SAE J2321-2 MAY2013
	Issued 2000-03 Reaffirmed 2013-05
	Superseding J2321-2 JAN2006
Disposable Hydraulic Filter Element - 190 L/min Flow, 21 MPa Collapse Pressure, Filtration Ratio = 75 at 7 µm	

RATIONALE

J2321/2 has been reaffirmed to comply with the SAE five-year review policy.

Foreword—The following document numbering convention was established to accommodate currently used military part numbers:

In the part number, “J2321/2” is used rather than “J2321-2” to more clearly indicate that the part number is defined in SAE J2321-2 and not in the SAE J2321 General Specification.

1. Scope—This specification sheet establishes requirements for a high collapse pressure configuration filter element of a specific configuration with a minimum filtration ratio of 75 for particles larger than 7 µm when designed and tested in accordance with SAE J2321 and this specification sheet.

1.1 Part or Identifying Number—Filter elements can be identified and ordered using part identifying numbers as follows:

J2321/2–7–X

J2321/2	Specification Sheet Number (SAE J2321-2) see the Foreword
–7	Dash No. for Filter Rating (see 1.1.1)
–X	O-ring Material (see 1.1.2)

EXAMPLE—J2321/2–7–F is for a 7 µm element supplied with a fluorocarbon O-ring.

1.1.1 FILTRATION RATIO—(Currently only the following rating is covered.)

–7 = Minimum Filtration Ratio of 75 for particles greater than 7 µm(c)

1.1.2 SEAL MATERIAL—The O-ring to be supplied with the element shall be of the size specified in Figure 1 and with material as designated as follows:

No designation = Supplied without O-ring
 F = Fluorocarbon rubber per SAE AS3209–224
 N = Nitrile rubber per AMS-P-83461/1–224
 X = Seal material as designated by purchaser

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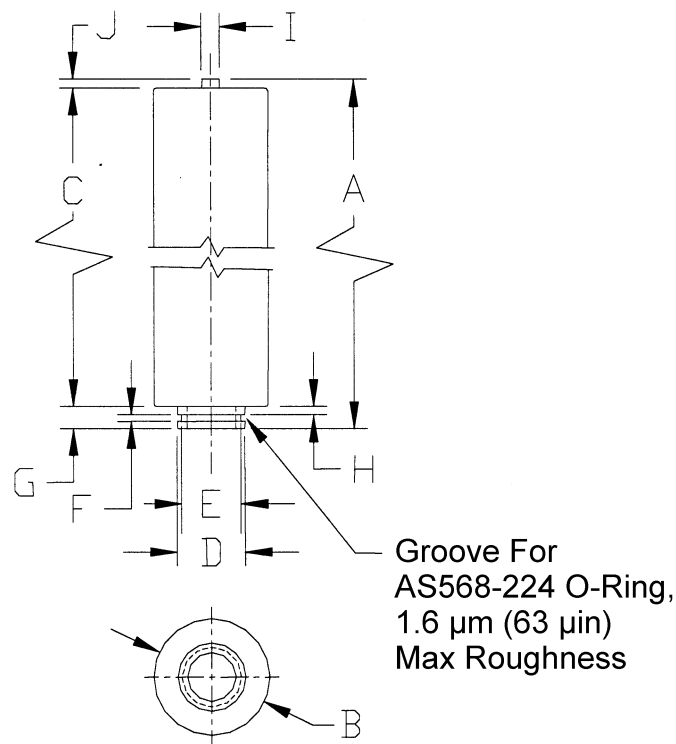


FIGURE 1—SAE J2321-2 FILTER ELEMENT

1.2 Rationale—This document has been reaffirmed to comply with the SAE 5-Year Review policy.

2. References

2.1 Applicable Publications—The following publications form a part of this specification to the extent specified herein. Unless otherwise specified, the latest issue of the applicable publication, or its replacement shall apply.

2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J2321—Ship Systems and Equipment—General Specification for Filter Elements—Hydraulic and Lube Oil Service

SAE AMS-P-83461/1—Packing, Preformed, Petroleum Hydraulic Fluid Resistant, Improved Performance at 275 Deg F (135 Deg C) Sizes and Tolerances

SAE AS568—Aerospace Size Standard for O-rings

SAE AS3209—Packing, Preformed – AMS 7276, “O”-Ring

SAE AS4716—Aerospace Standard, Gland Design, O-Ring and Other Elastomeric Seals

2.1.2 ISO PUBLICATIONS—Available from American National Standards Institute, 25 West 43rd Street, New York, NY 10036-8002, Tel: 212-642-4900, www.ansi.org.

ISO 12103-1—Road vehicles—Test dust for filter evaluation—Part 1: Arizona test dust