

 Lockheed

VOL. 17, NO. 2 APRIL-JUNE 1990

# *SERVICE NEWS*

A SERVICE PUBLICATION OF LOCKHEED AERONAUTICAL SYSTEMS COMPANY—GEORGIA



**O-RINGS**

# Lockheed SERVICE NEWS

A SERVICE PUBLICATION OF  
LOCKHEED AERONAUTICAL  
SYSTEMS COMPANY-GEORGIA

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


Howard Burnette, Vice President,  
Product Support—LASC

### 3 O-Rings

A revised compilation of the most commonly needed data on the O-rings and backup rings used in the Hercules aircraft. See Chart 1, beginning on page 5, for more detailed information.

Photographic Support: John Rossino

**Cover:** A new C-130H of the Japan Air Self-Defense Force passes near a coal-fired electric power generating plant south of Euharlee, Georgia, during an acceptance flight.

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## Focal Point



Howard Burnette

### Consolidation, Modernization, and Product Support

Many of our customers are aware that there have been numerous changes at LASC during the past year or so. We are currently in the process of implementing the consolidation of our facilities in California and Georgia. Operations will continue on both coasts, but we are combining functional organizations in such a way as to maximize efficiency and effectiveness in the design, development, manufacturing, and support of our products and services.

Even as we have streamlined our organizational structure, a key element of the Lockheed tradition has remained constant throughout. That is our ongoing commitment to offer our customers product support of the very highest quality. Major organizational transitions of this type do not come without a few problems, but every effort is being made to avoid any disruption of the support provided to each and every Lockheed customer.

Our facility in Georgia is developing into the manufacturing and support center of LASC. Modern tools and equipment are being installed in Georgia to achieve maximum efficiency. With certain exceptions, future fabrication will be accomplished there. The Product Support Supply organization, with responsibility for spare parts, ground support equipment, data, etc. will be almost totally operated out of our Georgia facility. This includes support for the L-1011 TriStar, P-3 Orion, and S-3 Viking; as well as the C-130/L-100 Hercules, C-5 Galaxy, C-141 StarLifter, and C-140 JetStar. Other organizations within Product Support, such as Technical Publications, Field Service, Training; and Reliability, Maintainability, and Supportability will continue to operate on both coasts, although Technical Publications will be concentrated in Georgia to take advantage of the capabilities of the Automated Technical Manuals System developed and already in operation at that location.

Consolidation is an ongoing effort at LASC; however, the changes described above will be essentially complete in 1990. Together with our modernization initiatives, these changes will enhance the value of LASC products at all levels by reducing costs, increasing efficiency, and improving quality. We are confident that these changes will be of direct and lasting benefit to you, our customers, but it is through your responses that we can best judge the level of our success. That is why your input is so important to us. I would be pleased to hear from you at any time. For your convenience, I have listed my offices at both our California and Georgia locations below.

Sincerely,

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Vice President, Product Support,  
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## PRODUCT SUPPORT

LOCKHEED AERONAUTICAL  
SYSTEMS COMPANY-GEORGIA

### J. D. ADAMS (ACTING) DIRECTOR

C-130/HERCULES SERVICE	SUPPLY SUPPORT	TECHNICAL PUBLICATIONS	SUPPORTABILITY TECHNOLOGY	TRAINING SYSTEMS
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# O-RINGS

by **Ed Akers**, Senior Components Engineer,  
Standards and Specifications Group

**Daniel E. Jolley**, Field Service Representative

*Service News* has addressed the subject of O-rings, more accurately known as preformed packings, on two previous occasions. Our first effort was in Volume 3, Number 1 (January-March 1976). It became evident almost immediately that the article had met a real need for a convenient source of comprehensive information about the O-rings used in the Hercules aircraft. The issue proved so popular that our supply of extra copies was quickly exhausted.

Volume 3, Number 1 had already been out of print for several years when we undertook to prepare a new, completely revised and updated *Service News* edition devoted to the subject of O-rings. This was Volume 11, Number 3, published as the July-September issue in 1984. If anything, that edition proved even more popular than the first O-ring issue. Even though an unusually large press run was ordered, *Service News* Volume 11, Number 3 is also now out of stock.

With publication of the current issue, we hope to be able to satisfy the need for a reliable and easy-to-use source of data on O-rings once again. The contents of the 1984 issue have been carefully reviewed, and updates and changes made where necessary. It is a tribute to the care and expertise of the authors of 1984 edition (who have agreed to accept bylines for their efforts in preparing this update) that few changes were required.

The nucleus of the present article consists of 12 separate charts containing listings of various kinds of data on O-rings and backup rings. Chart 1 lists nearly all of the O-ring and backup ring part numbers currently contained in the parts manuals for the Hercules aircraft. The remaining 11 charts divide the O-rings and backup rings listed in Chart 1 into categories according to application (gland or boss), and service (hydraulic fluid, lubricating oil, jet fuel, or breathing oxygen).

Let us first examine what is contained in Chart 1. Beginning at the left, the first column of Chart 1 contains the basic part number of each O-ring and backup ring, and the specification that applies to each, if assigned. The

second column indicates whether the item is an O-ring or backup ring, its application, and the material of which it is made. Column three shows the operating medium for which the individual O-ring or backup ring is designed, and the temperature range called for by the specification applicable to the O-ring or backup ring in question.

In cases where there is no specification, or where only one temperature limit is given in a specification, Lockheed engineering has provided a nominal value. These numbers are enclosed in parentheses. It should be noted that the specification temperature range does not necessarily indicate the full span of temperatures that a particular O-ring or backup ring will withstand without failure. In general, the temperature ranges listed by manufacturers for the compounds used to make their O-rings or backup rings exceed those given in the specifications.

The fourth column of Chart 1 gives the superseding part numbers, if any. These are the numbers that should be used in place of the original part numbers in cases where O-rings or backup rings bearing the original numbers are no longer available.

Finally, the last column in Chart 1 lists the chart number in this article where the available sizes for a specific O-ring or backup ring are shown.

Charts 2A, 3A, 4A, and 5A list gland O-rings according to the service for which they are intended. The O-rings given in Chart 2A are suitable for use with MIL-H-5606 or MIL-H-83282 hydraulic fluids. The O-rings shown in Chart 3A are intended to be used with MIL-L-7808 or MIL-L-23699 lubricating oils. Chart 4A contains the O-rings that may be used with the common jet fuels listed in Chart 1. The O-rings shown in Chart 5A are used in breathing oxygen systems.

In a similar manner Charts 2C, 3B, 4B, and 5B list the boss O-rings that can be used in these same service environments. Chart 2C contains the boss O-rings suitable for use in hydraulic fluids, Chart 3B gives the backup rings designed for lubricating oils, and so forth. Charts 2B-1,



2B-2, and 2D list the single-turn and double-turn backup rings that can be used in conjunction with gland O-rings shown in Chart 2A, and Chart 2D lists the backup rings designed to be used with the boss O-rings shown in Chart 2C.

In each of the O-ring charts, the first two columns list the standardized dash numbers and nominal dimensions as established by SAE Aerospace Standard AS 568A. The remaining columns list the individual O-rings and the dash number for each specific O-ring corresponding to the AS 568A standardized number.

The backup ring charts, Charts 2B-1, 2B-2, and 2D, show the backup ring dash numbers and the dimensions of

each of the represented backup ring part numbers. The O-ring standardized dash number in the first column is the size of the O-ring that will be used with the backup ring dash number shown in the same line in applications where a backup ring is required.

One final item: When using any of these charts, be sure to refer to the note box below. This information should be taken into consideration whenever you are planning to substitute one O-ring or backup ring for a different one. In addition to the notes, we are also including the names and addresses of some manufacturers of O-rings for your convenience.

#### Notes

- All dimensions are given in inches.
- In Charts 2A, 3A, and 4A: O-ring sizes -013 through -028, -117 through -149, and -223 through -247 of MS28775, MS29561, MS29513, and M83248/1 are intended for use as static seals, and are not to be used in applications involving reciprocating or rotary motion.
- Charts 1, 2A, 2C, 3A, 3B, 4A, and 4B: O-rings made of Buna N have limited shelf life. O-rings still in stock with cure dates exceeding 120 months should be discarded.
- In Chart 1, in the "Service and Specification Temperature Range" column, the temperatures in parentheses are nominal values supplied by Lockheed engineering.
- Charts, 2A, 3A, and 4A: When an O-ring made of a fluorocarbon material is to be substituted for one made on Buna N, special care should be taken with regard to temperature ranges. Fluorocarbon O-rings may not be adequate if they are used in aircraft which operate primarily in frigid environments. O-rings made of fluorocarbon material are in general somewhat less tolerant of low temperatures than those made of Buna N.

#### Names and Addresses of Selected O-Ring Suppliers

National O-Rings  
11634 Patton Road  
Downey, CA 90241  
Tel. 213-862-8163

PARCO, Inc.  
2150 Parco Ave.  
Ontario, CA 91761  
Tel. 714-983-3611

Parker-Hannifin Corp.  
2360 Palumbo Drive  
Lexington, KY 40512  
Tel. 606-269-2351

Sargent Industries, Inc.  
6020 Avenida Encinas  
Carlsbad, CA 92008  
Tel. 717-434-1011

Wynns-Precision, Inc.  
104 Hartman Drive  
Lebanon, TN 37087  
Tel. 615-444-0191

**Chart 1**

**PREFORMED PACKINGS AND BACKUP RINGS**

BASIC PART NUMBER AND SPECIFICATION	PART NAME, APPLICATION, AND MATERIAL	SERVICE AND SPECIFICATION TEMPERATURE RANGE	SUPERSEDING PART NUMBER	CHART
AN6227 MIL-P-5516	O-ring, gland, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 160°F	MS28775	2A
AN6230 MIL-P-5516	O-ring, gland, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 160°F	MS28775	2A
2( )PSI-30-5 MIL-P-5516	O-ring, gland, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 160°F	MS28775	2A
LS4629 MIL-P-25732	O-ring, gland, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	MS28775	2A
MS28775 MIL-P-25732	O-ring, gland, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	None	2A
LS4564 MIL-R-8791	Backup ring (single- turn), gland, Teflon	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	LS4565	2B-1
LS4565 MIL-R-8791	Backup ring (single- turn), gland, Teflon	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	None	2B-1
MS28774 MIL-R-8791	Backup ring (single- turn), gland, Teflon	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	None	2B-1
MS28782 MIL-R-8791	Backup ring (double- turn), gland, Teflon	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	None	2B-2
MS28783 MIL-R-8791	Backup ring (double- turn), gland, Teflon	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	None	2B-2
AN6290 MIL-P-5510	O-ring, boss, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 160°F	MS28778	2C
MS28778 MIL-P-5510	O-ring, boss, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 160°F	None	2C
LS4634 None	O-ring, boss, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	STSPK300	2C
STSPK300 None	O-ring, boss, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	3( )N168-80	2C
3( )N168-80 None	O-ring, boss, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	3( )N756-76	2C





## Chart 1

## PREFORMED PACKINGS AND BACKUP RINGS (contd)

BASIC PART NUMBER AND SPECIFICATION	PART NAME, APPLICATION, AND MATERIAL	SERVICE AND SPECIFICATION TEMPERATURE RANGE	SUPERSEDING PART NUMBER	CHART
3( )N756-76 MIL-P-83461	O-ring, boss, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	M83248/2	2C
3( )PS1-30-5 MIL-P-5516	O-ring, boss, Buna N	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 160°F	None	2C
LS4764 MIL-R-8791	Backup ring, boss, Teflon	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	MS9058	2D
MS9058 MIL-R-8791	Backup ring, boss, Teflon	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	MS28773	2D
MS28773 MIL-R-8791	Backup ring, boss, Teflon	MIL-H-5606 and MIL-H-83282 hydraulic fluids -65°F to 275°F	None	2D
AN123856 to AN123934 AMS7274	O-ring, gland, Buna N	MIL-L-7808 and MIL-L-23699 lubricating oils -65°F to (300°F)	None	3A
LS5041 None	O-ring, gland, Buna N	MIL-L-7808 and MIL-L-23699 lubricating oils -65°F to 300°F	None	3A
MS9241 AMS7272	O-ring, gland, Buna N	MIL-L-7808 and MIL-L-23699 lubricating oils (-55°F) to 300°F	None	3A
MS29561 MIL-R-7362	O-ring, gland, Buna N	MIL-L-7808 and MIL-L-23699 lubricating oils (-55°F) to (275°F)	None	3A
LS5041 None	O-ring, boss, Buna N	MIL-L-7808 and MIL-L-23699 lubricating oils -65°F to 300°F	None	3B
MS9355 AMS7272	O-ring, boss, Buna N	MIL-L-7808 and MIL-L-23699 lubricating oils (-55°F) to 300°F	None	3B
NAS617 MIL-R-7362	O-ring, boss, Buna N	MIL-L-7808 and MIL-L-23699 lubricating oils (-55°F) to (275°F)	None	3B
AN123956 to AN124034 AMS7270	O-ring, gland, Buna N	JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -65°F to (200°F)	None	4A
MS9021 AMS7271	O-ring, gland, Buna N	JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -65°F to (200°F)	None	4A
MS29513 MIL-P-5315	O-ring, gland, Buna N	JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -65°F to 160°F	None	4A

## Chart 1

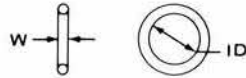
## PREFORMED PACKINGS AND BACKUP RINGS (contd)

BASIC PART NUMBER AND SPECIFICATION	PART NAME, APPLICATION, AND MATERIAL	SERVICE AND SPECIFICATION TEMPERATURE RANGE	SUPERSEDING PART NUMBER	CHART
MS9020 AMS7271	O-ring, boss, Buna N	JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -65°F to (200°F)	None	4B
MS29512 MIL-P-5315	O-ring, boss, Buna N	JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -65°F to 160°F	None	4B
MS9068 AMS3304	O-ring, gland, silicone	Breathing oxygen -85°F to 401°F	None	5A
906 None	O-ring, boss, silicone	Breathing oxygen -70°F to 450°F	MS9385	5B
MS9385 AMS7267	O-ring, boss, silicone	Breathing oxygen -85°F to 500°F	None	5B
NAS1593 MIL-R-25897	O-ring, gland, fluorocarbon	MIL-H-5606 and MIL-H-83282 hydraulic fluids; MIL-L-7808 and MIL-L-23699 lubricating oils; and JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -30°F to 500°F	M83248/1	2A, 3A, and 4A
NAS1594 MIL-R-25897	O-ring, gland, fluorocarbon	MIL-H-5606 and MIL-H-83282 hydraulic fluids; MIL-L-7808 and MIL-L-23699 lubricating oils; and JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -30°F to 500°F	M83248/2	2A, 3A, and 4A
M83248/1 MIL-R-83248	O-ring, gland, fluorocarbon	MIL-H-5606 and MIL-H-83282 hydraulic fluids; MIL-L-7808 and MIL-L-23699 lubricating oils; and JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -30°F to 500°F	None	2A, 3A, and 4A
NAS1595 MIL-R-25897	O-ring, boss, fluorocarbon	MIL-H-5606 and MIL-H-83282 hydraulic fluids; MIL-L-7808 and MIL-L-23699 lubricating oils; and JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -30°F to 500°F	M83248/1	2C, 3B, and 4B
NAS1596 MIL-R-25897	O-ring, boss, fluorocarbon	MIL-H-5606 and MIL-H-83282 hydraulic fluids; MIL-L-7808 and MIL-L-23699 lubricating oils; and JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -30°F to 500°F	M83248/2	2C, 3B, and 4B
M83248/2 MIL-R-83248	O-ring, boss, fluorocarbon	MIL-H-5606 and MIL-H-83282 hydraulic fluids; MIL-L-7808 and MIL-L-23699 lubricating oils; and JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels -30°F to 500°F	None	2C, 3B, and 4B
M25988/1 MIL-R-25988	O-ring, gland, fluorosilicone	MIL-L-7808 and MIL-L-23699 lubricating oils; and JP-4, JP-5, Jet A, Jet A-1, and Jet B fuels (-85°F) to (350°F)	None	3A and 4A



**Chart 2A**

**GLAND O-RINGS FOR USE IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		AN6227	AN6230	2 ( )PSI-30-5	LS4629	MS28775	NAS1593	NAS1594	M83248/1
	ID	W								
-001	0.029	0.040					-001			-001
-002	0.042	0.050					-002			-002
-003	0.056	0.060					-003			-003
-004	0.070	0.070					-004	-004	-004	-004
-005	0.101	0.070					-005	-005	-005	-005
-006	0.114	0.070	-1		-006		-006	-006	-006	-006
-007	0.145	0.070	-2		-007		-007	-007	-007	-007
-008	0.176	0.070	-3		-008		-008	-008	-008	-008
-009	0.208	0.070	-4		-009		-009	-009	-009	-009
-010	0.239	0.070	-5		-010		-010	-010	-010	-010
-011	0.301	0.070	-6		-011		-011	-011	-011	-011
-012	0.364	0.070	-7		-012		-012	-012	-012	-012
-013	0.426	0.070					-013	-013	-013	-013
-014	0.489	0.070					-014	-014	-014	-014
-015	0.551	0.070					-015	-015	-015	-015
-016	0.614	0.070					-016	-016	-016	-016
-017	0.676	0.070					-017	-017	-017	-017
-018	0.739	0.070					-018	-018	-018	-018
-019	0.801	0.070					-019	-019	-019	-019
-020	0.864	0.070					-020	-020	-020	-020
-021	0.926	0.070					-021	-021	-021	-021
-022	0.989	0.070					-022	-022	-022	-022
-023	1.051	0.070					-023	-023	-023	-023
-024	1.114	0.070					-024	-024	-024	-024
-025	1.176	0.070					-025	-025	-025	-025
-026	1.239	0.070					-026	-026	-026	-026
-027	1.301	0.070					-027	-027	-027	-027
-028	1.364	0.070					-028	-028	-028	-028
-029	1.489	0.070					-029	-029	-029	-029
-030	1.614	0.070					-030	-030	-030	-030
-031	1.739	0.070					-031	-031	-031	-031
-032	1.864	0.070					-032	-032	-032	-032
-033	1.989	0.070					-033	-033	-033	-033
-034	2.114	0.070					-034	-034	-034	-034
-035	2.239	0.070					-035	-035	-035	-035
-036	2.364	0.070					-036	-036	-036	-036
-037	2.489	0.070					-037	-037	-037	-037
-038	2.614	0.070					-038	-038	-038	-038
-039	2.739	0.070					-039	-039	-039	-039
-040	2.864	0.070					-040	-040	-040	-040
-041	2.989	0.070					-041	-041	-041	-041
-042	3.239	0.070					-042	-042	-042	-042
-043	3.489	0.070					-043	-043	-043	-043
-044	3.739	0.070					-044	-044	-044	-044
-045	3.989	0.070					-045	-045	-045	-045
-046	4.239	0.070					-046	-046	-046	-046
-047	4.489	0.070					-047	-047	-047	-047
-048	4.739	0.070					-048	-048	-048	-048
-049	4.989	0.070					-049	-049	-049	-049
-050	5.239	0.070					-050	-050	-050	-050
-051 through -101	O-ring sizes not assigned.									
-102	0.049	0.103					-102			-102
-103	0.081	0.103					-103			-103
-104	0.112	0.103					-104			-104
-105	0.143	0.103					-105			-105
-106	0.174	0.103					-106			-106
-107	0.206	0.103					-107			-107
-108	0.237	0.103					-108			-108
-109	0.299	0.103					-109			-109
-110	0.362	0.103	-8		-110		-110	-110	-110	-110
-111	0.424	0.103	-9		-111		-111	-111	-111	-111
-112	0.487	0.103	-10		-112		-112	-112	-112	-112
-113	0.549	0.103	-11		-113		-113	-113	-113	-113
-114	0.612	0.103	-12		-114		-114	-114	-114	-114
-115	0.674	0.103	-13		-115		-115	-115	-115	-115
-116	0.737	0.103	-14		-116		-116	-116	-116	-116
-117	0.799	0.103					-117	-117	-117	-117
-118	0.862	0.103					-118	-118	-118	-118
-119	0.924	0.103					-119	-119	-119	-119
-120	0.987	0.103					-120	-120	-120	-120
-121	1.049	0.103					-121	-121	-121	-121
-122	1.112	0.103					-122	-122	-122	-122
-123	1.174	0.103					-123	-123	-123	-123
-124	1.237	0.103					-124	-124	-124	-124
-125	1.299	0.103					-125	-125	-125	-125



**Chart 2A**

**GLAND O-RINGS FOR USE IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS (contd)**



**2A**

AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		AN6227	AN6230	2( )PSI-30-5	LS4629	MS28775	NAS1593	NAS1594	M83248/1
	ID	W								
-126	1.362	0.103					-126	-126	-126	-126
-127	1.424	0.103					-127	-127	-127	-127
-128	1.487	0.103					-128	-128	-128	-128
-129	1.549	0.103					-129	-129	-129	-129
-130	1.612	0.103					-130	-130	-130	-130
-131	1.674	0.103					-131	-131	-131	-131
-132	1.737	0.103					-132	-132	-132	-132
-133	1.799	0.103					-133	-133	-133	-133
-134	1.862	0.103					-134	-134	-134	-134
-135	1.925	0.103					-135	-135	-135	-135
-136	1.987	0.103					-136	-136	-136	-136
-137	2.050	0.103					-137	-137	-137	-137
-138	2.112	0.103					-138	-138	-138	-138
-139	2.175	0.103					-139	-139	-139	-139
-140	2.237	0.103					-140	-140	-140	-140
-141	2.300	0.103					-141	-141	-141	-141
-142	2.362	0.103					-142	-142	-142	-142
-143	2.425	0.103					-143	-143	-143	-143
-144	2.487	0.103					-144	-144	-144	-144
-145	2.550	0.103					-145	-145	-145	-145
-146	2.612	0.103					-146	-146	-146	-146
-147	2.675	0.103					-147	-147	-147	-147
-148	2.737	0.103					-148	-148	-148	-148
-149	2.800	0.103					-149	-149	-149	-149
-150	2.862	0.103					-150	-150	-150	-150
-151	2.987	0.103					-151	-151	-151	-151
-152	3.237	0.103					-152	-152	-152	-152
-153	3.487	0.103					-153	-153	-153	-153
-154	3.737	0.103					-154	-154	-154	-154
-155	3.987	0.103					-155	-155	-155	-155
-156	4.237	0.103					-156	-156	-156	-156
-157	4.487	0.103					-157	-157	-157	-157
-158	4.737	0.103					-158	-158	-158	-158
-159	4.987	0.103					-159	-159	-159	-159
-160	5.237	0.103					-160	-160	-160	-160
-161	5.487	0.103					-161	-161	-161	-161
-162	5.737	0.103					-162	-162	-162	-162
-163	5.987	0.103					-163	-163	-163	-163
-164	6.237	0.103					-164	-164	-164	-164
-165	6.487	0.103					-165	-165	-165	-165
-166	6.737	0.103					-166	-166	-166	-166
-167	6.987	0.103					-167	-167	-167	-167
-168	7.237	0.103					-168	-168	-168	-168
-169	7.487	0.103					-169	-169	-169	-169
-170	7.737	0.103					-170	-170	-170	-170
-171	7.987	0.103					-171	-171	-171	-171
-172	8.237	0.103					-172	-172	-172	-172
-173	8.487	0.103					-173	-173	-173	-173
-174	8.737	0.103					-174	-174	-174	-174
-175	8.987	0.103					-175	-175	-175	-175
-176	9.237	0.103					-176	-176	-176	-176
-177	9.487	0.103					-177	-177	-177	-177
-178	9.737	0.103					-178	-178	-178	-178
-179 through -200	O-ring sizes not assigned.									
-201	0.171	0.139					-201			-201
-202	0.234	0.139					-202			-202
-203	0.296	0.139					-203			-203
-204	0.359	0.139					-204			-204
-205	0.421	0.139					-205			-205
-206	0.484	0.139					-206			-206
-207	0.546	0.139					-207			-207
-208	0.609	0.139					-208			-208
-209	0.671	0.139					-209			-209
-210	0.734	0.139	-15		-210		-210	-210	-210	-210
-211	0.796	0.139	-16		-211		-211	-211	-211	-211
-212	0.859	0.139	-17		-212		-212	-212	-212	-212
-213	0.921	0.139	-18		-213		-213	-213	-213	-213
-214	0.984	0.139	-19		-214		-214	-214	-214	-214
-215	1.046	0.139	-20		-215		-215	-215	-215	-215
-216	1.109	0.139	-21		-216		-216	-216	-216	-216
-217	1.171	0.139	-22		-217		-217	-217	-217	-217
-218	1.234	0.139	-23		-218		-218	-218	-218	-218
-219	1.296	0.139	-24		-219		-219	-219	-219	-219
-220	1.359	0.139	-25		-220		-220	-220	-220	-220
-221	1.421	0.139	-26		-221		-221	-221	-221	-221

**Chart 2A**

**GLAND O-RINGS FOR USE IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS (contd)**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		AN6227	AN6230	2 ( ) PSI-30-5	LS4629	MS28775	NAS1593	NAS1594	M83248/1
	ID	W								
-222	1.484	0.139	-27		-222		-222	-222	-222	-222
-223	1.609	0.139		-1	-223		-223	-223	-223	-223
-224	1.734	0.139		-2	-224		-224	-224	-224	-224
-225	1.859	0.139		-3	-225		-225	-225	-225	-225
-226	1.984	0.139		-4	-226		-226	-226	-226	-226
-227	2.109	0.139		-5	-227		-227	-227	-227	-227
-228	2.234	0.139		-6	-228		-228	-228	-228	-228
-229	2.359	0.139		-7	-229		-229	-229	-229	-229
-230	2.484	0.139		-8	-230		-230	-230	-230	-230
-231	2.609	0.139		-9	-231		-231	-231	-231	-231
-232	2.734	0.139		-10	-232		-232	-232	-232	-232
-233	2.859	0.139		-11	-233		-233	-233	-233	-233
-234	2.984	0.139		-12	-234		-234	-234	-234	-234
-235	3.109	0.139		-13	-235		-235	-235	-235	-235
-236	3.234	0.139		-14	-236		-236	-236	-236	-236
-237	3.359	0.139		-15	-237		-237	-237	-237	-237
-238	3.484	0.139		-16	-238		-238	-238	-238	-238
-239	3.609	0.139		-17	-239		-239	-239	-239	-239
-240	3.734	0.139		-18	-240		-240	-240	-240	-240
-241	3.859	0.139		-19	-241		-241	-241	-241	-241
-242	3.984	0.139		-20	-242		-242	-242	-242	-242
-243	4.109	0.139		-21	-243		-243	-243	-243	-243
-244	4.234	0.139		-22	-244		-244	-244	-244	-244
-245	4.359	0.139		-23	-245		-245	-245	-245	-245
-246	4.484	0.139		-24	-246		-246	-246	-246	-246
-247	4.609	0.139		-25	-247		-247	-247	-247	-247
-248	4.734	0.139			-248	-26	-248	-248	-248	-248
-249	4.859	0.139			-249		-249	-249	-249	-249
-250	4.984	0.139			-250		-250	-250	-250	-250
-251	5.109	0.139			-251		-251	-251	-251	-251
-252	5.234	0.139			-252	-30	-252	-252	-252	-252
-253	5.359	0.139			-253		-253	-253	-253	-253
-254	5.484	0.139			-254		-254	-254	-254	-254
-255	5.609	0.139			-255		-255	-255	-255	-255
-256	5.734	0.139			-256		-256	-256	-256	-256
-257	5.859	0.139			-257		-257	-257	-257	-257
-258	5.984	0.139			-258		-258	-258	-258	-258
-259	6.234	0.139			-259		-259	-259	-259	-259
-260	6.484	0.139			-260	-38	-260	-260	-260	-260
-261	6.734	0.139			-261		-261	-261	-261	-261
-262	6.984	0.139			-262	-40	-262	-262	-262	-262
-263	7.234	0.139			-263		-263	-263	-263	-263
-264	7.484	0.139			-264		-264	-264	-264	-264
-265	7.734	0.139			-265		-265	-265	-265	-265
-266	7.984	0.139			-266		-266	-266	-266	-266
-267	8.234	0.139			-267		-267	-267	-267	-267
-268	8.484	0.139			-268	-46	-268	-268	-268	-268
-269	8.734	0.139			-269		-269	-269	-269	-269
-270	8.984	0.139			-270		-270	-270	-270	-270
-271	9.234	0.139			-271		-271	-271	-271	-271
-272	9.484	0.139			-272	-50	-272	-272	-272	-272
-273	9.734	0.139			-273		-273	-273	-273	-273
-274	9.984	0.139			-274		-274	-274	-274	-274
-275	10.484	0.139			-275		-275	-275	-275	-275
-276	10.984	0.139			-276		-276	-276	-276	-276
-277	11.484	0.139			-277		-277	-277	-277	-277
-278	11.984	0.139			-278		-278	-278	-278	-278
-279	12.984	0.139			-279		-279	-279	-279	-279
-280	13.984	0.139			-280		-280	-280	-280	-280
-281	14.984	0.139			-281		-281	-281	-281	-281
-282	15.955	0.139			-282		-282	-282	-282	-282
-283	16.955	0.139			-283		-283	-283	-283	-283
-284	17.955	0.139			-284		-284	-284	-284	-284
-285 through -308	O-ring sizes not assigned.									
-309	0.412	0.210					-309			-309
-310	0.475	0.210					-310			-310
-311	0.537	0.210					-311			-311
-312	0.600	0.210					-312			-312
-313	0.662	0.210					-313			-313
-314	0.725	0.210					-314			-314
-315	0.787	0.210					-315			-315
-316	0.850	0.210					-316			-316
-317	0.912	0.210					-317			-317
-318	0.975	0.210					-318			-318
-319	1.037	0.210					-319			-319



**Chart 2A**

**GLAND O-RINGS FOR USE IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS (contd)**

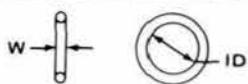


AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		AN6227	AN6230	2( )PSI-30-5	LS4629	MS28775	NAS1593	NAS1594	M83248/1
	ID	W								
-320	1.100	0.210					-320			-320
-321	1.162	0.210					-321			-321
-322	1.225	0.210					-322			-322
-323	1.289	0.210					-323			-323
-324	1.350	0.210					-324			-324
-325	1.475	0.210	-28		-325		-325	-325	-325	-325
-326	1.600	0.210	-29		-326		-326	-326	-326	-326
-327	1.725	0.210	-30		-327		-327	-327	-327	-327
-328	1.850	0.210	-31		-328		-328	-328	-328	-328
-329	1.975	0.210	-32		-329		-329	-329	-329	-329
-330	2.100	0.210	-33		-330		-330	-330	-330	-330
-331	2.225	0.210	-34		-331		-331	-331	-331	-331
-332	2.350	0.210	-35		-332		-332	-332	-332	-332
-333	2.475	0.210	-36		-333		-333	-333	-333	-333
-334	2.600	0.210	-37		-334		-334	-334	-334	-334
-335	2.725	0.210	-38		-335		-335	-335	-335	-335
-336	2.850	0.210	-39		-336		-336	-336	-336	-336
-337	2.975	0.210	-40		-337		-337	-337	-337	-337
-338	3.100	0.210	-41		-338		-338	-338	-338	-338
-339	3.225	0.210	-42		-339		-339	-339	-339	-339
-340	3.350	0.210	-43		-340		-340	-340	-340	-340
-341	3.475	0.210	-44		-341		-341	-341	-341	-341
-342	3.600	0.210	-45		-342		-342	-342	-342	-342
-343	3.725	0.210	-46		-343		-343	-343	-343	-343
-344	3.850	0.210	-47		-344		-344	-344	-344	-344
-345	3.975	0.210	-48		-345		-345	-345	-345	-345
-346	4.100	0.210	-49		-346		-346	-346	-346	-346
-347	4.225	0.210	-50		-347		-347	-347	-347	-347
-348	4.350	0.210	-51		-348		-348	-348	-348	-348
-349	4.475	0.210	-52		-349		-349	-349	-349	-349
-350	4.600	0.210					-350			-350
-351	4.725	0.210					-351			-351
-352	4.850	0.210					-352			-352
-353	4.975	0.210					-353			-353
-354	5.100	0.210					-354			-354
-355	5.225	0.210					-355			-355
-356	5.350	0.210					-356			-356
-357	5.475	0.210					-357			-357
-358	5.600	0.210					-358			-358
-359	5.725	0.210					-359			-359
-360	5.850	0.210					-360			-360
-361	5.975	0.210					-361			-361
-362	6.225	0.210					-362			-362
-363	6.475	0.210					-363			-363
-364	6.725	0.210					-364			-364
-365	6.975	0.210					-365			-365
-366	7.225	0.210					-366			-366
-367	7.475	0.210					-367			-367
-368	7.725	0.210					-368			-368
-369	7.975	0.210					-369			-369
-370	8.225	0.210					-370			-370
-371	8.475	0.210					-371			-371
-372	8.725	0.210					-372			-372
-373	8.975	0.210					-373			-373
-374	9.225	0.210					-374			-374
-375	9.475	0.210					-375			-375
-376	9.725	0.210					-376			-376
-377	9.975	0.210					-377			-377
-378	10.475	0.210					-378			-378
-379	10.975	0.210					-379			-379
-380	11.475	0.210					-380			-380
-381	11.975	0.210					-381			-381
-382	12.975	0.210					-382			-382
-383	13.975	0.210					-383			-383
-384	14.975	0.210					-384			-384
-385	15.955	0.210					-385			-385
-386	16.955	0.210					-386			-386
-387	17.955	0.210					-387			-387
-388	18.955	0.210					-388			-388
-389	19.955	0.210					-389			-389
-390	20.955	0.210					-390			-390
-391	21.955	0.210					-391			-391
-392	22.940	0.210					-392			-392
-393	23.940	0.210					-393			-393
-394	24.940	0.210					-394			-394

**2A**

Chart 2A

GLAND O-RINGS FOR USE IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS (contd)



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		AN6227	AN6230	2( )PSI-30-5	LS4629	MS28775	NAS1593	NAS1594	M83248/1
	ID	W								
-395	25.940	0.210					-395			-395
-396 through -424	O-ring sizes not assigned.									
-425	4.475	0.275	-88		-425		-425	-425	-425	-425
-426	4.600	0.275	-53		-426		-426	-426	-426	-426
-427	4.725	0.275	-54		-427		-427	-427	-427	-427
-428	4.850	0.275	-55		-428		-428	-428	-428	-428
-429	4.975	0.275	-56		-429		-429	-429	-429	-429
-430	5.100	0.275	-57		-430		-430	-430	-430	-430
-431	5.225	0.275	-58		-431		-431	-431	-431	-431
-432	5.350	0.275	-59		-432		-432	-432	-432	-432
-433	5.475	0.275	-60		-433		-433	-433	-433	-433
-434	5.600	0.275	-61		-434		-434	-434	-434	-434
-435	5.725	0.275	-62		-435		-435	-435	-435	-435
-436	5.850	0.275	-63		-436		-436	-436	-436	-436
-437	5.975	0.275	-64		-437		-437	-437	-437	-437
-438	6.225	0.275	-65		-438		-438	-438	-438	-438
-439	6.475	0.275	-66		-439		-439	-439	-439	-439
-440	6.725	0.275	-67		-440		-440	-440	-440	-440
-441	6.975	0.275	-68		-441		-441	-441	-441	-441
-442	7.225	0.275	-69		-442		-442	-442	-442	-442
-443	7.475	0.275	-70		-443		-443	-443	-443	-443
-444	7.725	0.275	-71		-444		-444	-444	-444	-444
-445	7.975	0.275	-72		-445		-445	-445	-445	-445
-446	8.475	0.275	-73		-446		-446	-446	-446	-446
-447	8.975	0.275	-74		-447		-447	-447	-447	-447
-448	9.475	0.275	-75		-448		-448	-448	-448	-448
-449	9.975	0.275	-76		-449		-449	-449	-449	-449
-450	10.475	0.275	-77		-450		-450	-450	-450	-450
-451	10.975	0.275	-78		-451		-451	-451	-451	-451
-452	11.475	0.275	-79		-452		-452	-452	-452	-452
-453	11.975	0.275	-80		-453		-453	-453	-453	-453
-454	12.475	0.275	-81		-454		-454	-454	-454	-454
-455	12.975	0.275	-82		-455		-455	-455	-455	-455
-456	13.475	0.275	-83		-456		-456	-456	-456	-456
-457	13.975	0.275	-84		-457		-457	-457	-457	-457
-458	14.475	0.275	-85		-458		-458	-458	-458	-458
-459	14.975	0.275	-86		-459		-459	-459	-459	-459
-460	15.475	0.275	-87		-460		-460	-460	-460	-460
-461	15.955	0.275			-461		-461			-461
-462	16.455	0.275			-462		-462			-462
-463	16.955	0.275			-463		-463			-463
-464	17.455	0.275			-464		-464			-464
-465	17.955	0.275			-465		-465			-465
-466	18.455	0.275			-466		-466			-466
-467	18.955	0.275			-467		-467			-467
-468	19.455	0.275			-468		-468			-468
-469	19.955	0.275			-469		-469			-469
-470	20.955	0.275			-470		-470			-470
-471	21.955	0.275			-471		-471			-471
-472	22.940	0.275			-472		-472			-472
-473	23.940	0.275			-473		-473			-473
-474	24.940	0.275			-474		-474			-474
-475	25.940	0.275			-475		-475			-475

2A



Chart 2B-1

SINGLE-TURN BACKUP RINGS FOR USE WITH GLAND O-RINGS IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS



O-RING STANDARDIZED DASH NO.	LS4564				LS4565				MS28774			
	DASH NO.	ID	T	W	DASH NO.	ID	T	W	DASH NO.	ID	T	W
-001 through -003	No corresponding backup rings.											
-004									-004	0.109	0.049	0.053
-005									-005	0.124	0.049	0.053
-006					-1 or -006	0.125	0.054	0.055	-006	0.140	0.049	0.053
-007					-2 or -007	0.156	0.054	0.055	-007	0.171	0.049	0.053
-008					-3 or -008	0.188	0.054	0.055	-008	0.202	0.049	0.053
-009					-4 or -009	0.219	0.054	0.055	-009	0.234	0.049	0.053
-010					-5 or -010	0.250	0.054	0.055	-010	0.265	0.049	0.053
-011					-6 or -011	0.312	0.054	0.055	-011	0.327	0.049	0.053
-012					-7 or -012	0.375	0.054	0.055	-012	0.390	0.049	0.053
-013									-013	0.455	0.049	0.053
-014									-014	0.518	0.049	0.053
-015									-015	0.580	0.049	0.053
-016									-016	0.643	0.049	0.053
-017									-017	0.705	0.049	0.053
-018									-018	0.768	0.049	0.053
-019									-019	0.830	0.049	0.053
-020									-020	0.898	0.049	0.053
-021									-021	0.960	0.049	0.053
-022									-022	1.023	0.049	0.053
-023									-023	1.085	0.049	0.053
-024									-024	1.148	0.049	0.053
-025									-025	1.210	0.049	0.053
-026									-026	1.273	0.049	0.053
-027									-027	1.335	0.049	0.053
-028									-028	1.398	0.049	0.053
-029 through -109	No corresponding backup rings.											
-110					-8 or -110	0.375	0.054	0.088	-110	0.390	0.049	0.086
-111					-9 or -111	0.437	0.054	0.088	-111	0.452	0.049	0.086
-112					-10 or -112	0.500	0.054	0.088	-112	0.515	0.049	0.086
-113					-11 or -113	0.562	0.054	0.088	-113	0.577	0.049	0.086
-114					-12 or -114	0.625	0.054	0.088	-114	0.640	0.049	0.086
-115					-13 or -115	0.688	0.054	0.088	-115	0.702	0.049	0.086
-116					-14 or -116	0.750	0.054	0.088	-116	0.765	0.049	0.086
-117									-117	0.832	0.049	0.086
-118									-118	0.895	0.049	0.086
-119									-119	0.957	0.049	0.086
-120									-120	1.020	0.049	0.086
-121									-121	1.082	0.049	0.086
-122									-122	1.145	0.049	0.086
-123									-123	1.207	0.049	0.086
-124									-124	1.270	0.049	0.086
-125									-125	1.332	0.049	0.086
-126									-126	1.397	0.049	0.086
-127									-127	1.459	0.049	0.086
-128									-128	1.522	0.049	0.086
-129									-129	1.584	0.049	0.086
-130									-130	1.647	0.049	0.086
-131									-131	1.709	0.049	0.086
-132									-132	1.772	0.049	0.086
-133									-133	1.834	0.049	0.086
-134									-134	1.897	0.049	0.086
-135									-135	1.959	0.049	0.086
-136									-136	2.022	0.049	0.086
-137									-137	2.084	0.049	0.086
-138									-138	2.147	0.049	0.086
-139									-139	2.209	0.049	0.086
-140 through -209	No corresponding backup rings.											
-210					-15 or -210	0.750	0.054	0.121	-210	0.766	0.049	0.119
-211					-16 or -211	0.812	0.054	0.121	-211	0.828	0.049	0.119
-212					-17 or -212	0.875	0.054	0.121	-212	0.891	0.049	0.119
-213					-18 or -213	0.937	0.054	0.121	-213	0.953	0.049	0.119
-214					-19 or -214	1.000	0.054	0.121	-214	1.016	0.049	0.119
-215					-20 or -215	1.062	0.054	0.121	-215	1.078	0.049	0.119
-216					-21 or -216	1.125	0.054	0.121	-216	1.141	0.049	0.119
-217					-22 or -217	1.187	0.054	0.121	-217	1.203	0.049	0.119
-218					-23 or -218	1.250	0.054	0.121	-218	1.266	0.049	0.119
-219					-24 or -219	1.312	0.054	0.121	-219	1.334	0.049	0.119
-220					-25 or -220	1.375	0.054	0.121	-220	1.397	0.049	0.119
-221					-26 or -221	1.437	0.054	0.121	-221	1.459	0.049	0.119
-222					-27 or -222	1.500	0.054	0.121	-222	1.522	0.049	0.119
-223	-1	1.625	0.054	0.121	-223	1.625	0.054	0.121	-223	1.647	0.049	0.119
-224	-2	1.750	0.054	0.121	-224	1.750	0.054	0.121	-224	1.772	0.049	0.119
-225	-3	1.875	0.054	0.121	-225	1.875	0.054	0.121	-225	1.897	0.049	0.119

2B  
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Chart 2B-1

SINGLE-TURN BACKUP RINGS FOR USE WITH GLAND O-RINGS IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS (contd)



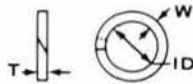
O-RING STANDARDIZED DASH NO.	LS4564				LS4565				MS28774			
	DASH NO.	ID	T	W	DASH NO.	ID	T	W	DASH NO.	ID	T	W
-226	-4	2.000	0.054	0.121	-226	2.000	0.054	0.121	-226	2.022	0.049	0.119
-227	-5	2.125	0.054	0.121	-227	2.125	0.054	0.121	-227	2.147	0.049	0.119
-228	-6	2.250	0.054	0.121	-228	2.250	0.054	0.121	-228	2.272	0.049	0.119
-229	-7	2.375	0.054	0.121	-229	2.375	0.054	0.121	-229	2.397	0.049	0.119
-230	-8	2.500	0.054	0.121	-230	2.500	0.054	0.121	-230	2.522	0.049	0.119
-231	-9	2.625	0.054	0.121	-231	2.625	0.054	0.121				
-232	-10	2.750	0.054	0.121	-232	2.750	0.054	0.121				
-233	-11	2.875	0.054	0.121	-233	2.875	0.054	0.121				
-234	-12	3.000	0.054	0.121	-234	3.000	0.054	0.121				
-235	-13	3.125	0.054	0.121	-235	3.125	0.054	0.121				
-236	-14	3.250	0.054	0.121	-236	3.250	0.054	0.121				
-237	-15	3.375	0.054	0.121	-237	3.375	0.054	0.121				
-238	-16	3.500	0.054	0.121	-238	3.500	0.054	0.121				
-239	-17	3.625	0.054	0.121	-239	3.625	0.054	0.121				
-240	-18	3.750	0.054	0.121	-240	3.750	0.054	0.121				
-241	-19	3.875	0.054	0.121	-241	3.875	0.054	0.121				
-242	-20	4.000	0.054	0.121	-242	4.000	0.054	0.121				
-243	-21	4.125	0.054	0.121	-243	4.125	0.054	0.121				
-244	-22	4.250	0.054	0.121	-244	4.250	0.054	0.121				
-245	-23	4.375	0.054	0.121	-245	4.375	0.054	0.121				
-246	-24	4.500	0.054	0.121	-246	4.500	0.054	0.121				
-247	-25	4.625	0.054	0.121	-247	4.625	0.054	0.121				
-248 through -324	No corresponding backup rings.											
-325					-28 or -325	1.500	0.067	0.185	-325	1.513	0.070	0.183
-326					-29 or -326	1.625	0.067	0.185	-326	1.636	0.070	0.183
-327					-30 or -327	1.750	0.067	0.185	-327	1.763	0.070	0.183
-328					-31 or -328	1.875	0.067	0.185	-328	1.888	0.070	0.183
-329					-32 or -329	2.000	0.067	0.185	-329	2.013	0.070	0.183
-330					-33 or -330	2.125	0.067	0.185	-330	2.138	0.070	0.183
-331					-34 or -331	2.250	0.067	0.185	-331	2.268	0.070	0.183
-332					-35 or -332	2.375	0.067	0.185	-332	2.393	0.070	0.183
-333					-36 or -333	2.500	0.067	0.185	-333	2.518	0.070	0.183
-334					-37 or -334	2.625	0.067	0.185	-334	2.643	0.070	0.183
-335					-38 or -335	2.750	0.067	0.185	-335	2.768	0.070	0.183
-336					-39 or -336	2.875	0.067	0.185	-336	2.893	0.070	0.183
-337					-40 or -337	3.000	0.067	0.185	-337	3.018	0.070	0.183
-338					-41 or -338	3.125	0.067	0.185	-338	3.143	0.070	0.183
-339					-42 or -339	3.250	0.067	0.185	-339	3.273	0.070	0.183
-340					-43 or -340	3.375	0.067	0.185	-340	3.398	0.070	0.183
-341					-44 or -341	3.500	0.067	0.185	-341	3.523	0.070	0.183
-342					-45 or -342	3.625	0.067	0.185	-342	3.648	0.070	0.183
-343					-46 or -343	3.750	0.067	0.185	-343	3.773	0.070	0.183
-344					-47 or -344	3.875	0.067	0.185	-344	3.898	0.070	0.183
-345					-48 or -345	4.000	0.067	0.185	-345	4.028	0.070	0.183
-346					-49 or -346	4.125	0.067	0.185	-346	4.153	0.070	0.183
-347					-50 or -347	4.250	0.067	0.185	-347	4.278	0.070	0.183
-348					-51 or -348	4.375	0.067	0.185	-348	4.403	0.070	0.183
-349					-52 or -349	4.500	0.067	0.185	-349	4.528	0.070	0.183
-350 through -424	No corresponding backup rings.											
-425					-88 or -425	4.500	0.098	0.238	-425	4.551	0.105	0.237
-426					-53 or -426	4.625	0.098	0.238	-426	4.676	0.105	0.237
-427					-54 or -427	4.750	0.098	0.238	-427	4.801	0.105	0.237
-428					-55 or -428	4.875	0.098	0.238	-428	4.926	0.105	0.237
-429					-56 or -429	5.000	0.098	0.238	-429	5.051	0.105	0.237
-430					-57 or -430	5.125	0.098	0.238	-430	5.176	0.105	0.237
-431					-58 or -431	5.250	0.098	0.238	-431	5.301	0.105	0.237
-432					-59 or -432	5.375	0.098	0.238	-432	5.426	0.105	0.237
-433					-60 or -433	5.500	0.098	0.238	-433	5.551	0.105	0.237
-434					-61 or -434	5.625	0.098	0.238	-434	5.676	0.105	0.237
-435					-62 or -435	5.750	0.098	0.238	-435	5.801	0.105	0.237
-436					-63 or -436	5.875	0.098	0.238	-436	5.926	0.105	0.237
-437					-64 or -437	6.000	0.098	0.238	-437	6.051	0.105	0.237
-438					-65 or -438	6.250	0.098	0.238				
-439					-66 or -439	6.500	0.098	0.238				
-440					-67 or -440	6.750	0.098	0.238				
-441					-68 or -441	7.000	0.098	0.238				
-442					-69 or -442	7.250	0.098	0.238				
-443					-70 or -443	7.500	0.098	0.238				
-444					-71 or -444	7.750	0.098	0.238				
-445					-72 or -445	8.000	0.098	0.238				
-446					-73 or -446	8.500	0.098	0.238				
-447					-74 or -447	9.000	0.098	0.238				
-448					-75 or -448	9.500	0.098	0.238				
-449					-76 or -449	10.000	0.098	0.238				
-450					-77 or -450	10.500	0.098	0.238				

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-1



**Chart 2B-1**

**SINGLE-TURN BACKUP RINGS FOR USE WITH GLAND O-RINGS IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS (contd)**



O-RING STANDARDIZED DASH NO.	LS4564				LS4565				MS28774			
	DASH NO.	ID	T	W	DASH NO.	ID	T	W	DASH NO.	ID	T	W
-451					-78 or -451	11.000	0.098	0.238				
-452					-79 or -452	11.500	0.098	0.238				
-453					-80 or -453	12.000	0.098	0.238				
-454					-81 or -454	12.500	0.098	0.238				
-455					-82 or -455	13.000	0.098	0.238				
-456					-83 or -456	13.500	0.098	0.238				
-457					-84 or -457	14.000	0.098	0.238				
-458					-85 or -458	14.500	0.098	0.238				
-459					-86 or -459	15.000	0.098	0.238				
-460					-87 or -460	15.500	0.098	0.238				
-461 through -475	No corresponding backup rings.											

**Chart 2B-2**

**DOUBLE-TURN BACKUP RINGS FOR USE WITH GLAND O-RINGS IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS**



O-RING STANDARDIZED DASH NO.	MS28782				MS28783			
	DASH NO.	ID	T	W	DASH NO.	ID	T	W
-001 through -005	No corresponding backup rings.							
-006	-1	0.125	0.027	0.055				
-007	-2	0.156	0.027	0.055				
-008	-3	0.188	0.027	0.055				
-009	-4	0.219	0.027	0.055				
-010	-5	0.250	0.027	0.055				
-011	-6	0.312	0.027	0.055				
-012	-7	0.375	0.027	0.055				
-013 through -109	No corresponding backup rings.							
-110	-8	0.375	0.027	0.088				
-111	-9	0.438	0.027	0.088				
-112	-10	0.500	0.027	0.088				
-113	-11	0.562	0.027	0.088				
-114	-12	0.625	0.027	0.088				
-115	-13	0.688	0.027	0.088				
-116	-14	0.750	0.027	0.088				
-117 through -209	No corresponding backup rings.							
-210	-15	0.750	0.027	0.121				
-211	-16	0.812	0.027	0.121				
-212	-17	0.875	0.027	0.121				
-213	-18	0.938	0.027	0.121				
-214	-19	1.000	0.027	0.121				
-215	-20	1.062	0.027	0.121				
-216	-21	1.125	0.027	0.121				
-217	-22	1.188	0.027	0.121				
-218	-23	1.250	0.027	0.121				
-219	-24	1.312	0.027	0.121				
-220	-25	1.375	0.027	0.121				
-221	-26	1.438	0.027	0.121				
-222	-27	1.500	0.027	0.121				
-223					-1	1.625	0.027	0.120
-224					-2	1.750	0.027	0.120
-225					-3	1.875	0.027	0.120
-226					-4	2.000	0.027	0.120
-227					-5	2.125	0.027	0.120
-228					-6	2.250	0.027	0.120
-229					-7	2.375	0.027	0.120
-230					-8	2.500	0.027	0.120
-231					-9	2.625	0.027	0.120
-232					-10	2.750	0.027	0.120
-233					-11	2.875	0.027	0.120
-234					-12	3.000	0.027	0.120
-235					-13	3.125	0.027	0.120
-236					-14	3.250	0.027	0.120
-237					-15	3.375	0.027	0.120
-238					-16	3.500	0.027	0.120
-239					-17	3.625	0.027	0.120
-240					-18	3.750	0.027	0.120
-241					-19	3.875	0.027	0.120

**2B-1**  
**2B-2**

**Chart 2B-2**

**DOUBLE-TURN BACKUP RINGS FOR USE WITH GLAND O-RINGS IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS (contd)**



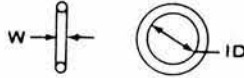
O-RING STANDARDIZED DASH NO.	MS28782				MS28783			
	DASH NO.	ID	T	W	DASH NO.	ID	T	W
-242					-20	4.000	0.027	0.120
-243					-21	4.125	0.027	0.120
-244					-22	4.250	0.027	0.120
-245					-23	4.375	0.027	0.120
-246					-24	4.500	0.027	0.120
-247					-25	4.625	0.027	0.120
-248 through -324	No corresponding backup rings.							
-325	-28	1.500	0.034	0.185				
-326	-29	1.625	0.034	0.185				
-327	-30	1.750	0.034	0.185				
-328	-31	1.875	0.034	0.185				
-329	-32	2.000	0.034	0.185				
-330	-33	2.125	0.034	0.185				
-331	-34	2.250	0.034	0.185				
-332	-35	2.375	0.034	0.185				
-333	-36	2.500	0.034	0.185				
-334	-37	2.625	0.034	0.185				
-335	-38	2.750	0.034	0.185				
-336	-39	2.875	0.034	0.185				
-337	-40	3.000	0.034	0.185				
-338	-41	3.125	0.034	0.185				
-339	-42	3.250	0.034	0.185				
-340	-43	3.375	0.034	0.185				
-341	-44	3.500	0.034	0.185				
-342	-45	3.625	0.034	0.185				
-343	-46	3.750	0.034	0.185				
-344	-47	3.875	0.034	0.185				
-345	-48	4.000	0.034	0.185				
-346	-49	4.125	0.034	0.185				
-347	-50	4.250	0.034	0.185				
-348	-51	4.375	0.034	0.185				
-349	-52	4.500	0.034	0.185				
-350 through -424	No corresponding backup rings.							
-425	-88	4.500	0.049	0.238				
-426	-53	4.625	0.049	0.238				
-427	-54	4.750	0.049	0.238				
-428	-55	4.875	0.049	0.238				
-429	-56	5.000	0.049	0.238				
-430	-57	5.125	0.049	0.238				
-431	-58	5.250	0.049	0.238				
-432	-59	5.375	0.049	0.238				
-433	-60	5.500	0.049	0.238				
-434	-61	5.625	0.049	0.238				
-435	-62	5.750	0.049	0.238				
-436	-63	5.875	0.049	0.238				
-437	-64	6.000	0.049	0.238				
-438	-65	6.250	0.049	0.238				
-439	-66	6.500	0.049	0.238				
-440	-67	6.750	0.049	0.238				
-441	-68	7.000	0.049	0.238				
-442	-69	7.250	0.049	0.238				
-443	-70	7.500	0.049	0.238				
-444	-71	7.750	0.049	0.238				
-445	-72	8.000	0.049	0.238				
-446	-73	8.500	0.049	0.238				
-447	-74	9.000	0.049	0.238				
-448	-75	9.500	0.049	0.238				
-449	-76	10.000	0.049	0.238				
-450	-77	10.500	0.049	0.238				
-451	-78	11.000	0.049	0.238				
-452	-79	11.500	0.049	0.238				
-453	-80	12.000	0.049	0.238				
-454	-81	12.500	0.049	0.238				
-455	-82	13.000	0.049	0.238				
-456	-83	13.500	0.049	0.238				
-457	-84	14.000	0.049	0.238				
-458	-85	14.500	0.049	0.238				
-459	-86	15.000	0.049	0.238				
-460	-87	15.500	0.049	0.238				
-461 through -475	No corresponding backup rings.							

**2B**  
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**Chart 2C**

**BOSS O-RINGS FOR USE IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS			AN6290	MS28778	LS4634	STSPK300	3( )N168-80	3( )N756-76	3( )PSI-30-5
	TUBE OD	ID	W							
-901	3/32	0.185	0.056					-901	-901	-901
-902	1/8	0.239	0.064	-2	-2	-2	-02	-902	-902	-902
-903	3/16	0.301	0.064	-3	-3	-3	-03	-903	-903	-903
-904	1/4	0.351	0.072	-4	-4	-4	-04	-904	-904	-904
-905	5/16	0.414	0.072	-5	-5	-5	-05	-905	-905	-905
-906	3/8	0.468	0.078	-6	-6	-6	-06	-906	-906	-906
-907	7/16	0.530	0.082					-907	-907	-907
-908	1/2	0.644	0.087	-8	-8	-8	-08	-908	-908	-908
-909	9/16	0.706	0.097					-909	-909	-909
-910	5/8	0.755	0.097	-10	-10	-10	-10	-910	-910	-910
-911	11/16	0.863	0.116					-911	-911	-911
-912	3/4	0.924	0.116	-12	-12	-12		-912	-912	-912
-913	13/16	0.986	0.116					-913	-913	-913
-914	7/8	1.047	0.116		-14			-914	-914	-914
-916	1	1.171	0.116	-16	-16	-16	-16	-916	-916	-916
-918	1-1/8	1.355	0.116					-918	-918	-918
-920	1-1/4	1.475	0.118	-20	-20	-20	-20	-920	-920	-920
-924	1-1/2	1.720	0.118	-24	-24	-24	-24	-924	-924	-924
-928	1-3/4	2.090	0.118	-28	-28	-28	-28	-928	-928	-928
-932	2	2.337	0.118	-32	-32	-32	-32	-932	-932	-932

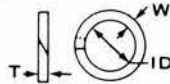
  

AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS			NAS1595	NAS1596	M83248/2
	TUBE OD	ID	W			
-901	3/32	0.185	0.056			-901
-902	1/8	0.239	0.064	-2	-2	-902
-903	3/16	0.301	0.064	-3	-3	-903
-904	1/4	0.351	0.072	-4	-4	-904
-905	5/16	0.414	0.072	-5	-5	-905
-906	3/8	0.468	0.078	-6	-6	-906
-907	7/16	0.530	0.082			-907
-908	1/2	0.644	0.087	-8	-8	-908
-909	9/16	0.706	0.097			-909
-910	5/8	0.755	0.097	-10	-10	-910
-911	11/16	0.863	0.116			-911
-912	3/4	0.924	0.116	-12	-12	-912
-913	13/16	0.986	0.116			-913
-914	7/8	1.047	0.116			-914
-916	1	1.171	0.116	-16	-16	-916
-918	1-1/8	1.355	0.116			-918
-920	1-1/4	1.475	0.118	-20	-20	-920
-924	1-1/2	1.720	0.118	-24	-24	-924
-928	1-3/4	2.090	0.118	-28	-28	-928
-932	2	2.337	0.118	-32	-32	-932

2C  
2D

**Chart 2D**

**BACKUP RINGS FOR USE WITH BOSS O-RINGS IN MIL-H-5606 AND MIL-H-83282 HYDRAULIC FLUIDS**



O-RING STANDARDIZED DASH NO.	NOMINAL TUBE OD	LS4764				MS9058				MS28773			
		DASH NO.	ID	T	W	DASH NO.	ID	T	W	DASH NO.	ID	T	W
-901	3/32	No corresponding backup rings.											
-902	1/8					-02	0.246	0.056	0.112	-02	0.246	0.056	0.112
-903	3/16	-3	0.308	0.045	0.116	-03	0.309	0.056	0.112	-03	0.309	0.056	0.112
-904	1/4	-4	0.360	0.051	0.117	-04	0.360	0.061	0.117	-04	0.360	0.061	0.117
-905	5/16	-5	0.423	0.051	0.117	-05	0.423	0.061	0.117	-05	0.423	0.061	0.117
-906	3/8	-6	0.478	0.051	0.121	-06	0.478	0.061	0.121	-06	0.478	0.061	0.121
-907	7/16					-07	0.549	0.061	0.121				
-908	1/2	-8	0.656	0.051	0.125	-08	0.656	0.061	0.125	-08	0.656	0.061	0.125
-909	9/16					-09	0.718	0.061	0.125				
-910	5/8	-10	0.769	0.063	0.131	-10	0.769	0.073	0.131	-10	0.769	0.073	0.131
-911	11/16					-11	0.878	0.073	0.159				
-912	3/4	-12	0.941	0.063	0.170	-12	0.941	0.073	0.169	-12	0.941	0.073	0.169
-913	13/16	No corresponding backup rings.											
-914	7/8					-14	1.066	0.073	0.169				
-916	1	-16	1.191	0.063	0.168	-16	1.191	0.073	0.169	-16	1.191	0.073	0.169
-918	1-1/8					-18	1.378	0.073	0.169				
-920	1-1/4	-20	1.503	0.063	0.169	-20	1.503	0.073	0.169	-20	1.503	0.073	0.169
-924	1-1/2	-24	1.752	0.063	0.169	-24	1.752	0.073	0.169	-24	1.752	0.073	0.169
-928	1-3/4	-28	2.127	0.063	0.169	-28	2.127	0.073	0.169	-28	2.127	0.073	0.169
-932	2	-32	2.377	0.063	0.169	-32	2.377	0.073	0.169	-32	2.377	0.073	0.169

Chart 3A

GLAND O-RINGS FOR USE IN MIL-L-7808 AND MIL-L-23699  
LUBRICATING OILS



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23856 to ANI23934	LS5041	MS9241	MS29561	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W								
-001	0.029	0.040			-001				-001	-001
-002	0.042	0.050			-002				-002	-002
-003	0.056	0.060			-003				-003	-003
-004	0.070	0.070			-004	-004	-004	-004	-004	-004
-005	0.101	0.070			-005	-005	-005	-005	-005	-005
-006	0.114	0.070	ANI23856		-006	-006	-006	-006	-006	-006
-007	0.145	0.070	ANI23857		-007	-007	-007	-007	-007	-007
-008	0.176	0.070	ANI23858	-31	-008	-008	-008	-008	-008	-008
-009	0.208	0.070	ANI23859	-29	-009	-009	-009	-009	-009	-009
-010	0.239	0.070	ANI23860	-36	-010	-010	-010	-010	-010	-010
-011	0.301	0.070	ANI23861		-011	-011	-011	-011	-011	-011
-012	0.364	0.070	ANI23862		-012	-012	-012	-012	-012	-012
-013	0.426	0.070		-32	-013	-013	-013	-013	-013	-013
-014	0.489	0.070			-014	-014	-014	-014	-014	-014
-015	0.551	0.070			-015	-015	-015	-015	-015	-015
-016	0.614	0.070			-016	-016	-016	-016	-016	-016
-017	0.676	0.070			-017	-017	-017	-017	-017	-017
-018	0.739	0.070			-018	-018	-018	-018	-018	-018
-019	0.801	0.070			-019	-019	-019	-019	-019	-019
-020	0.864	0.070			-020	-020	-020	-020	-020	-020
-021	0.926	0.070			-021	-021	-021	-021	-021	-021
-022	0.989	0.070			-022	-022	-022	-022	-022	-022
-023	1.051	0.070			-023	-023	-023	-023	-023	-023
-024	1.114	0.070			-024	-024	-024	-024	-024	-024
-025	1.176	0.070			-025	-025	-025	-025	-025	-025
-026	1.239	0.070			-026	-026	-026	-026	-026	-026
-027	1.301	0.070			-027	-027	-027	-027	-027	-027
-028	1.364	0.070			-028	-028	-028	-028	-028	-028
-029	1.489	0.070			-029	-029	-029	-029	-029	-029
-030	1.614	0.070			-030	-030	-030	-030	-030	-030
-031	1.739	0.070			-031	-031	-031	-031	-031	-031
-032	1.864	0.070			-032	-032	-032	-032	-032	-032
-033	1.989	0.070			-033	-033	-033	-033	-033	-033
-034	2.114	0.070			-034	-034	-034	-034	-034	-034
-035	2.239	0.070			-035	-035	-035	-035	-035	-035
-036	2.364	0.070			-036	-036	-036	-036	-036	-036
-037	2.489	0.070			-037	-037	-037	-037	-037	-037
-038	2.614	0.070			-038	-038	-038	-038	-038	-038
-039	2.739	0.070			-039	-039	-039	-039	-039	-039
-040	2.864	0.070			-040	-040	-040	-040	-040	-040
-041	2.989	0.070			-041	-041	-041	-041	-041	-041
-042	3.239	0.070			-042	-042	-042	-042	-042	-042
-043	3.489	0.070			-043	-043	-043	-043	-043	-043
-044	3.739	0.070			-044	-044	-044	-044	-044	-044
-045	3.989	0.070			-045	-045	-045	-045	-045	-045
-046	4.239	0.070			-046	-046	-046	-046	-046	-046
-047	4.489	0.070			-047	-047	-047	-047	-047	-047
-048	4.739	0.070			-048	-048	-048	-048	-048	-048
-049	4.989	0.070			-049	-049	-049	-049	-049	-049
-050	5.239	0.070			-050	-050	-050	-050	-050	-050
-051 through -101	O-ring sizes not assigned.									
-102	0.049	0.103			-102				-102	-102
-103	0.081	0.103			-103				-103	-103
-104	0.112	0.103			-104				-104	-104
-105	0.143	0.103			-105				-105	-105
-106	0.174	0.103			-106				-106	-106
-107	0.206	0.103			-107				-107	-107
-108	0.237	0.103			-108				-108	-108
-109	0.299	0.103			-109				-109	-109
-110	0.362	0.103	ANI23863		-110	-110	-110	-110	-110	-110
-111	0.424	0.103	ANI23864		-111	-111	-111	-111	-111	-111
-112	0.487	0.103	ANI23865	-37	-112	-112	-112	-112	-112	-112
-113	0.549	0.103	ANI23866	-28	-113	-113	-113	-113	-113	-113
-114	0.612	0.103	ANI23867		-114	-114	-114	-114	-114	-114
-115	0.674	0.103	ANI23868	-41	-115	-115	-115	-115	-115	-115
-116	0.737	0.103	ANI23869	-1	-116	-116	-116	-116	-116	-116
-117	0.799	0.103			-117	-117	-117	-117	-117	-117
-118	0.862	0.103			-118	-118	-118	-118	-118	-118
-119	0.924	0.103			-119	-119	-119	-119	-119	-119
-120	0.987	0.103			-120	-120	-120	-120	-120	-120
-121	1.049	0.103			-121	-121	-121	-121	-121	-121
-122	1.112	0.103		-30	-122	-122	-122	-122	-122	-122
-123	1.174	0.103			-123	-123	-123	-123	-123	-123
-124	1.237	0.103			-124	-124	-124	-124	-124	-124
-125	1.299	0.103			-125	-125	-125	-125	-125	-125

3A



Chart 3A

GLAND O-RINGS FOR USE IN MIL-L-7808 AND MIL-L-23699  
LUBRICATING OILS (contd)



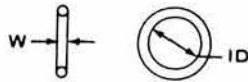
AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23856 to ANI23934	LS504I	MS924I	MS2956I	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W								
-126	1.362	0.103			-126	-126	-126	-126	-126	-126
-127	1.424	0.103			-127	-127	-127	-127	-127	-127
-128	1.487	0.103			-128	-128	-128	-128	-128	-128
-129	1.549	0.103		-39	-129	-129	-129	-129	-129	-129
-130	1.612	0.103			-130	-130	-130	-130	-130	-130
-131	1.674	0.103			-131	-131	-131	-131	-131	-131
-132	1.737	0.103			-132	-132	-132	-132	-132	-132
-133	1.799	0.103			-133	-133	-133	-133	-133	-133
-134	1.862	0.103			-134	-134	-134	-134	-134	-134
-135	1.925	0.103			-135	-135	-135	-135	-135	-135
-136	1.987	0.103			-136	-136	-136	-136	-136	-136
-137	2.050	0.103			-137	-137	-137	-137	-137	-137
-138	2.112	0.103		-2	-138	-138	-138	-138	-138	-138
-139	2.175	0.103			-139	-139	-139	-139	-139	-139
-140	2.237	0.103			-140	-140	-140	-140	-140	-140
-141	2.300	0.103			-141	-141	-141	-141	-141	-141
-142	2.362	0.103			-142	-142	-142	-142	-142	-142
-143	2.425	0.103		-3	-143	-143	-143	-143	-143	-143
-144	2.487	0.103			-144	-144	-144	-144	-144	-144
-145	2.550	0.103			-145	-145	-145	-145	-145	-145
-146	2.612	0.103			-146	-146	-146	-146	-146	-146
-147	2.675	0.103			-147	-147	-147	-147	-147	-147
-148	2.737	0.103			-148	-148	-148	-148	-148	-148
-149	2.800	0.103			-149	-149	-149	-149	-149	-149
-150	2.862	0.103			-150	-150	-150	-150	-150	-150
-151	2.987	0.103			-151	-151	-151	-151	-151	-151
-152	3.237	0.103			-152	-152	-152	-152	-152	-152
-153	3.487	0.103			-153	-153	-153	-153	-153	-153
-154	3.737	0.103			-154	-154	-154	-154	-154	-154
-155	3.987	0.103			-155	-155	-155	-155	-155	-155
-156	4.237	0.103			-156	-156	-156	-156	-156	-156
-157	4.487	0.103			-157	-157	-157	-157	-157	-157
-158	4.737	0.103			-158	-158	-158	-158	-158	-158
-159	4.987	0.103			-159	-159	-159	-159	-159	-159
-160	5.237	0.103			-160	-160	-160	-160	-160	-160
-161	5.487	0.103			-161	-161	-161	-161	-161	-161
-162	5.737	0.103			-162	-162	-162	-162	-162	-162
-163	5.987	0.103			-163	-163	-163	-163	-163	-163
-164	6.237	0.103			-164	-164	-164	-164	-164	-164
-165	6.487	0.103			-165	-165	-165	-165	-165	-165
-166	6.737	0.103			-166	-166	-166	-166	-166	-166
-167	6.987	0.103			-167	-167	-167	-167	-167	-167
-168	7.237	0.103			-168	-168	-168	-168	-168	-168
-169	7.487	0.103			-169	-169	-169	-169	-169	-169
-170	7.737	0.103			-170	-170	-170	-170	-170	-170
-171	7.987	0.103			-171	-171	-171	-171	-171	-171
-172	8.237	0.103			-172	-172	-172	-172	-172	-172
-173	8.487	0.103			-173	-173	-173	-173	-173	-173
-174	8.737	0.103			-174	-174	-174	-174	-174	-174
-175	8.987	0.103			-175	-175	-175	-175	-175	-175
-176	9.237	0.103			-176	-176	-176	-176	-176	-176
-177	9.487	0.103			-177	-177	-177	-177	-177	-177
-178	9.737	0.103			-178	-178	-178	-178	-178	-178
-179 through -200	O-ring sizes not assigned.									
-201	0.171	0.139			-201				-201	-201
-202	0.234	0.139			-202				-202	-202
-203	0.296	0.139			-203				-203	-203
-204	0.359	0.139			-204				-204	-204
-205	0.421	0.139			-205				-205	-205
-206	0.484	0.139			-206				-206	-206
-207	0.546	0.139			-207				-207	-207
-208	0.609	0.139			-208				-208	-208
-209	0.671	0.139			-209				-209	-209
-210	0.734	0.139	ANI23870		-210	-210	-210	-210	-210	-210
-211	0.796	0.139	ANI23871		-211	-211	-211	-211	-211	-211
-212	0.859	0.139	ANI23872		-212	-212	-212	-212	-212	-212
-213	0.921	0.139	ANI23873		-213	-213	-213	-213	-213	-213
-214	0.984	0.139	ANI23874		-214	-214	-214	-214	-214	-214
-215	1.046	0.139	ANI23875	-42	-215	-215	-215	-215	-215	-215
-216	1.109	0.139	ANI23876		-216	-216	-216	-216	-216	-216
-217	1.171	0.139	ANI23877	-34	-217	-217	-217	-217	-217	-217
-218	1.234	0.139	ANI23878	-35	-218	-218	-218	-218	-218	-218
-219	1.296	0.139	ANI23879		-219	-219	-219	-219	-219	-219
-220	1.359	0.139	ANI23880		-220	-220	-220	-220	-220	-220
-221	1.421	0.139	ANI23881		-221	-221	-221	-221	-221	-221

3A



**Chart 3A**

**GLAND O-RINGS FOR USE IN MIL-L-7808 AND MIL-L-23699  
LUBRICATING OILS (contd)**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23856 to ANI23934	LS5041	MS9241	MS29561	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W								
-222	1.484	0.139	ANI23882		-222	-222	-222	-222	-222	-222
-223	1.609	0.139	ANI23883	-9	-223	-223	-223	-223	-223	-223
-224	1.734	0.139	ANI23884		-224	-224	-224	-224	-224	-224
-225	1.859	0.139	ANI23885		-225	-225	-225	-225	-225	-225
-226	1.984	0.139	ANI23886		-226	-226	-226	-226	-226	-226
-227	2.109	0.139	ANI23887	-38	-227	-227	-227	-227	-227	-227
-228	2.234	0.139	ANI23888	-10	-228	-228	-228	-228	-228	-228
-229	2.359	0.139	ANI23889		-229	-229	-229	-229	-229	-229
-230	2.484	0.139	ANI23890	-33	-230	-230	-230	-230	-230	-230
-231	2.609	0.139	ANI23891	-26	-231	-231	-231	-231	-231	-231
-232	2.734	0.139	ANI23892	-27	-232	-232	-232	-232	-232	-232
-233	2.859	0.139	ANI23893		-233	-233	-233	-233	-233	-233
-234	2.984	0.139	ANI23894		-234	-234	-234	-234	-234	-234
-235	3.109	0.139	ANI23895		-235	-235	-235	-235	-235	-235
-236	3.234	0.139	ANI23896		-236	-236	-236	-236	-236	-236
-237	3.359	0.139	ANI23897		-237	-237	-237	-237	-237	-237
-238	3.484	0.139	ANI23898		-238	-238	-238	-238	-238	-238
-239	3.609	0.139	ANI23899		-239	-239	-239	-239	-239	-239
-240	3.734	0.139	ANI23900		-240	-240	-240	-240	-240	-240
-241	3.859	0.139	ANI23901		-241	-241	-241	-241	-241	-241
-242	3.984	0.139	ANI23902		-242	-242	-242	-242	-242	-242
-243	4.109	0.139	ANI23903		-243	-243	-243	-243	-243	-243
-244	4.234	0.139	ANI23904	-20	-244	-244	-244	-244	-244	-244
-245	4.359	0.139	ANI23905		-245	-245	-245	-245	-245	-245
-246	4.484	0.139	ANI23906		-246	-246	-246	-246	-246	-246
-247	4.609	0.139	ANI23907	-24	-247	-247	-247	-247	-247	-247
-248	4.734	0.139	ANI23908		-248	-248	-248	-248	-248	-248
-249	4.859	0.139	ANI23909		-249	-249	-249	-249	-249	-249
-250	4.984	0.139	ANI23910		-250	-250	-250	-250	-250	-250
-251	5.109	0.139	ANI23911		-251	-251	-251	-251	-251	-251
-252	5.234	0.139	ANI23912		-252	-252	-252	-252	-252	-252
-253	5.359	0.139	ANI23913	-11	-253	-253	-253	-253	-253	-253
-254	5.484	0.139	ANI23914		-254	-254	-254	-254	-254	-254
-255	5.609	0.139	ANI23915		-255	-255	-255	-255	-255	-255
-256	5.734	0.139	ANI23916		-256	-256	-256	-256	-256	-256
-257	5.859	0.139	ANI23917		-257	-257	-257	-257	-257	-257
-258	5.984	0.139	ANI23918		-258	-258	-258	-258	-258	-258
-259	6.234	0.139	ANI23919		-259	-259	-259	-259	-259	-259
-260	6.484	0.139	ANI23920		-260	-260	-260	-260	-260	-260
-261	6.734	0.139	ANI23921		-261	-261	-261	-261	-261	-261
-262	6.984	0.139	ANI23922	-25	-262	-262	-262	-262	-262	-262
-263	7.234	0.139	ANI23923	-21	-263	-263	-263	-263	-263	-263
-264	7.484	0.139	ANI23924		-264	-264	-264	-264	-264	-264
-265	7.734	0.139	ANI23925		-265	-265	-265	-265	-265	-265
-266	7.984	0.139	ANI23926		-266	-266	-266	-266	-266	-266
-267	8.234	0.139	ANI23927		-267	-267	-267	-267	-267	-267
-268	8.484	0.139	ANI23928		-268	-268	-268	-268	-268	-268
-269	8.734	0.139	ANI23929		-269	-269	-269	-269	-269	-269
-270	8.984	0.139	ANI23930		-270	-270	-270	-270	-270	-270
-271	9.234	0.139	ANI23931		-271	-271	-271	-271	-271	-271
-272	9.484	0.139	ANI23932		-272	-272	-272	-272	-272	-272
-273	9.734	0.139	ANI23933		-273	-273	-273	-273	-273	-273
-274	9.984	0.139	ANI23934		-274	-274	-274	-274	-274	-274
-275	10.484	0.139			-275	-275	-275	-275	-275	-275
-276	10.984	0.139			-276	-276	-276	-276	-276	-276
-277	11.484	0.139			-277	-277	-277	-277	-277	-277
-278	11.984	0.139			-278	-278	-278	-278	-278	-278
-279	12.984	0.139			-279	-279	-279	-279	-279	-279
-280	13.984	0.139			-280	-280	-280	-280	-280	-280
-281	14.984	0.139			-281	-281	-281	-281	-281	-281
-282	15.955	0.139			-282	-282	-282	-282	-282	-282
-283	16.955	0.139			-283	-283	-283	-283	-283	-283
-284	17.955	0.139			-284	-284	-284	-284	-284	-284
-285 through -308	O-ring sizes not assigned.									
-309	0.412	0.210			-309				-309	-309
-310	0.475	0.210			-310				-310	-310
-311	0.537	0.210			-311				-311	-311
-312	0.600	0.210			-312				-312	-312
-313	0.662	0.210			-313				-313	-313
-314	0.725	0.210			-314				-314	-314
-315	0.787	0.210			-315				-315	-315
-316	0.850	0.210			-316				-316	-316
-317	0.912	0.210			-317				-317	-317
-318	0.975	0.210			-318				-318	-318
-319	1.037	0.210			-319				-319	-319

3A



**Chart 3A**

**GLAND O-RINGS FOR USE IN MIL-L-7808 AND MIL-L-23699  
LUBRICATING OILS (contd)**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23856 to ANI23934	LS5041	MS9241	MS29561	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W								
-320	1.100	0.210			-320				-320	-320
-321	1.162	0.210			-321				-321	-321
-322	1.225	0.210			-322				-322	-322
-323	1.289	0.210			-323				-323	-323
-324	1.350	0.210			-324				-324	-324
-325	1.475	0.210		-12	-325	-325	-325	-325	-325	-325
-326	1.600	0.210			-326	-326	-326	-326	-326	-326
-327	1.725	0.210			-327	-327	-327	-327	-327	-327
-328	1.850	0.210			-328	-328	-328	-328	-328	-328
-329	1.975	0.210		-18	-329	-329	-329	-329	-329	-329
-330	2.100	0.210			-330	-330	-330	-330	-330	-330
-331	2.225	0.210			-331	-331	-331	-331	-331	-331
-332	2.350	0.210			-332	-332	-332	-332	-332	-332
-333	2.475	0.210		-19	-333	-333	-333	-333	-333	-333
-334	2.600	0.210			-334	-334	-334	-334	-334	-334
-335	2.725	0.210			-335	-335	-335	-335	-335	-335
-336	2.850	0.210			-336	-336	-336	-336	-336	-336
-337	2.975	0.210			-337	-337	-337	-337	-337	-337
-338	3.100	0.210			-338	-338	-338	-338	-338	-338
-339	3.225	0.210			-339	-339	-339	-339	-339	-339
-340	3.350	0.210			-340	-340	-340	-340	-340	-340
-341	3.475	0.210			-341	-341	-341	-341	-341	-341
-342	3.600	0.210			-342	-342	-342	-342	-342	-342
-343	3.725	0.210			-343	-343	-343	-343	-343	-343
-344	3.850	0.210			-344	-344	-344	-344	-344	-344
-345	3.975	0.210			-345	-345	-345	-345	-345	-345
-346	4.100	0.210			-346	-346	-346	-346	-346	-346
-347	4.225	0.210			-347	-347	-347	-347	-347	-347
-348	4.350	0.210			-348	-348	-348	-348	-348	-348
-349	4.475	0.210			-349	-349	-349	-349	-349	-349
-350	4.600	0.210			-350				-350	-350
-351	4.725	0.210			-351				-351	-351
-352	4.850	0.210			-352				-352	-352
-353	4.975	0.210			-353				-353	-353
-354	5.100	0.210			-354				-354	-354
-355	5.225	0.210			-355				-355	-355
-356	5.350	0.210			-356				-356	-356
-357	5.475	0.210			-357				-357	-357
-358	5.600	0.210			-358				-358	-358
-359	5.725	0.210			-359				-359	-359
-360	5.850	0.210			-360				-360	-360
-361	5.975	0.210			-361				-361	-361
-362	6.225	0.210			-362				-362	-362
-363	6.475	0.210			-363				-363	-363
-364	6.725	0.210			-364				-364	-364
-365	6.975	0.210			-365				-365	-365
-366	7.225	0.210			-366				-366	-366
-367	7.475	0.210			-367				-367	-367
-368	7.725	0.210			-368				-368	-368
-369	7.975	0.210			-369				-369	-369
-370	8.225	0.210			-370				-370	-370
-371	8.475	0.210			-371				-371	-371
-372	8.725	0.210			-372				-372	-372
-373	8.975	0.210			-373				-373	-373
-374	9.225	0.210			-374				-374	-374
-375	9.475	0.210			-375				-375	-375
-376	9.725	0.210			-376				-376	-376
-377	9.975	0.210			-377				-377	-377
-378	10.475	0.210			-378				-378	-378
-379	10.975	0.210			-379				-379	-379
-380	11.475	0.210			-380				-380	-380
-381	11.975	0.210			-381				-381	-381
-382	12.975	0.210			-382				-382	-382
-383	13.975	0.210			-383				-383	-383
-384	14.975	0.210			-384				-384	-384
-385	15.955	0.210			-385				-385	-385
-386	16.955	0.210			-386				-386	-386
-387	17.955	0.210			-387				-387	-387
-388	18.955	0.210			-388				-388	-388
-389	19.955	0.210			-389				-389	-389
-390	20.955	0.210			-390				-390	-390
-391	21.955	0.210			-391				-391	-391
-392	22.940	0.210			-392				-392	-392
-393	23.940	0.210			-393				-393	-393
-394	24.940	0.210			-394				-394	-394

**3A**

**Chart 3A**

**GLAND O-RINGS FOR USE IN MIL-L-7808 AND MIL-L-23699  
LUBRICATING OILS (contd)**



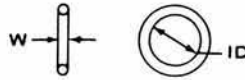
AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		AN123856 to AN123934	LS5041	MS9241	MS29561	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W								
-395	25.940	0.210			-395				-395	-395
-396 through -424	O-ring sizes not assigned.									
-425	4.475	0.275			-425	-425	-425	-425	-425	-425
-426	4.600	0.275			-426	-426	-426	-426	-426	-426
-427	4.725	0.275			-427	-427	-427	-427	-427	-427
-428	4.850	0.275			-428	-428	-428	-428	-428	-428
-429	4.975	0.275			-429	-429	-429	-429	-429	-429
-430	5.100	0.275			-430	-430	-430	-430	-430	-430
-431	5.225	0.275			-431	-431	-431	-431	-431	-431
-432	5.350	0.275			-432	-432	-432	-432	-432	-432
-433	5.475	0.275			-433	-433	-433	-433	-433	-433
-434	5.600	0.275			-434	-434	-434	-434	-434	-434
-435	5.725	0.275			-435	-435	-435	-435	-435	-435
-436	5.850	0.275			-436	-436	-436	-436	-436	-436
-437	5.975	0.275			-437	-437	-437	-437	-437	-437
-438	6.225	0.275			-438	-438	-438	-438	-438	-438
-439	6.475	0.275			-439	-439	-439	-439	-439	-439
-440	6.725	0.275		-14	-440	-440	-440	-440	-440	-440
-441	6.975	0.275			-441	-441	-441	-441	-441	-441
-442	7.225	0.275			-442	-442	-442	-442	-442	-442
-443	7.475	0.275			-443	-443	-443	-443	-443	-443
-444	7.725	0.275			-444	-444	-444	-444	-444	-444
-445	7.975	0.275			-445	-445	-445	-445	-445	-445
-446	8.475	0.275			-446	-446	-446	-446	-446	-446
-447	8.975	0.275		-23	-447	-447	-447	-447	-447	-447
-448	9.475	0.275			-448	-448	-448	-448	-448	-448
-449	9.975	0.275			-449	-449	-449	-449	-449	-449
-450	10.475	0.275			-450	-450	-450	-450	-450	-450
-451	10.975	0.275			-451	-451	-451	-451	-451	-451
-452	11.475	0.275			-452	-452	-452	-452	-452	-452
-453	11.975	0.275			-453	-453	-453	-453	-453	-453
-454	12.475	0.275			-454	-454	-454	-454	-454	-454
-455	12.975	0.275			-455	-455	-455	-455	-455	-455
-456	13.475	0.275			-456	-456	-456	-456	-456	-456
-457	13.975	0.275			-457	-457	-457	-457	-457	-457
-458	14.475	0.275			-458	-458	-458	-458	-458	-458
-459	14.975	0.275			-459	-459	-459	-459	-459	-459
-460	15.475	0.275			-460	-460	-460	-460	-460	-460
-461	15.955	0.275			-461				-461	-461
-462	16.455	0.275			-462				-462	-462
-463	16.955	0.275			-463				-463	-463
-464	17.455	0.275			-464				-464	-464
-465	17.955	0.275			-465				-465	-465
-466	18.455	0.275			-466				-466	-466
-467	18.955	0.275			-467				-467	-467
-468	19.455	0.275			-468				-468	-468
-469	19.955	0.275			-469				-469	-469
-470	20.955	0.275			-470				-470	-470
-471	21.955	0.275			-471				-471	-471
-472	22.940	0.275			-472				-472	-472
-473	23.940	0.275			-473				-473	-473
-474	24.940	0.275			-474				-474	-474
-475	25.940	0.275			-475				-475	-475

3A



**Chart 3B**

**BOSS O-RINGS FOR USE IN MIL-L-7808 AND MIL-L-23699 LUBRICATING OILS**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS			LS5041	MS9355	NAS617	NAS1595	NAS1596	M83248/2
	TUBE OD	ID	W						
-901	3/32	0.185	0.056		-01				-901
-902	1/8	0.239	0.064		-02	-2	-2	-2	-902
-903	3/16	0.301	0.064	-17	-03	-3	-3	-3	-903
-904	1/4	0.351	0.072	-4	-04	-4	-4	-4	-904
-905	5/16	0.414	0.072		-05	-5	-5	-5	-905
-906	3/8	0.468	0.078	-5	-06	-6	-6	-6	-906
-907	7/16	0.530	0.082		-07				-907
-908	1/2	0.644	0.087	-15	-08	-8	-8	-8	-908
-909	9/16	0.706	0.097		-09				-909
-910	5/8	0.755	0.097	-40	-10	-10	-10	-10	-910
-911	11/16	0.863	0.116		-11				-911
-912	3/4	0.924	0.116	-6	-12	-12	-12	-12	-912
-913	13/16	0.986	0.116		-13				-913
-914	7/8	1.047	0.116		-14				-914
-916	1	1.171	0.116	-7	-16	-16	-16	-16	-916
-918	1-1/8	1.355	0.116		-18				-918
-920	1-1/4	1.475	0.118	-13	-20	-20	-20	-20	-920
-924	1-1/2	1.720	0.118	-8	-24	-24	-24	-24	-924
-928	1-3/4	2.090	0.118		-28	-28	-28	-28	-928
-932	2	2.337	0.118		-32	-32	-32	-32	-932

**Chart 4A**

**GLAND O-RINGS FOR USE IN COMMON JET FUELS**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23956 to ANI24034	MS9021	MS29513	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W							
-001	0.029	0.040		-001	-001			-001	-001
-002	0.042	0.050		-002	-002			-002	-002
-003	0.056	0.060		-003	-003			-003	-003
-004	0.070	0.070		-004	-004	-004	-004	-004	-004
-005	0.101	0.070		-005	-005	-005	-005	-005	-005
-006	0.114	0.070	ANI23956	-006	-006	-006	-006	-006	-006
-007	0.145	0.070	ANI23957	-007	-007	-007	-007	-007	-007
-008	0.176	0.070	ANI23958	-008	-008	-008	-008	-008	-008
-009	0.208	0.070	ANI23959	-009	-009	-009	-009	-009	-009
-010	0.239	0.070	ANI23960	-010	-010	-010	-010	-010	-010
-011	0.301	0.070	ANI23961	-011	-011	-011	-011	-011	-011
-012	0.364	0.070	ANI23962	-012	-012	-012	-012	-012	-012
-013	0.426	0.070		-013	-013	-013	-013	-013	-013
-014	0.489	0.070		-014	-014	-014	-014	-014	-014
-015	0.551	0.070		-015	-015	-015	-015	-015	-015
-016	0.614	0.070		-016	-016	-016	-016	-016	-016
-017	0.676	0.070		-017	-017	-017	-017	-017	-017
-018	0.739	0.070		-018	-018	-018	-018	-018	-018
-019	0.801	0.070		-019	-019	-019	-019	-019	-019
-020	0.864	0.070		-020	-020	-020	-020	-020	-020
-021	0.926	0.070		-021	-021	-021	-021	-021	-021
-022	0.989	0.070		-022	-022	-022	-022	-022	-022
-023	1.051	0.070		-023	-023	-023	-023	-023	-023
-024	1.114	0.070		-024	-024	-024	-024	-024	-024
-025	1.176	0.070		-025	-025	-025	-025	-025	-025
-026	1.239	0.070		-026	-026	-026	-026	-026	-026
-027	1.301	0.070		-027	-027	-027	-027	-027	-027
-028	1.364	0.070		-028	-028	-028	-028	-028	-028
-029	1.489	0.070		-029	-029	-029	-029	-029	-029
-030	1.614	0.070		-030	-030	-030	-030	-030	-030
-031	1.739	0.070		-031	-031	-031	-031	-031	-031
-032	1.864	0.070		-032	-032	-032	-032	-032	-032
-033	1.989	0.070		-033	-033	-033	-033	-033	-033
-034	2.114	0.070		-034	-034	-034	-034	-034	-034
-035	2.239	0.070		-035	-035	-035	-035	-035	-035
-036	2.364	0.070		-036	-036	-036	-036	-036	-036
-037	2.489	0.070		-037	-037	-037	-037	-037	-037
-038	2.614	0.070		-038	-038	-038	-038	-038	-038
-039	2.739	0.070		-039	-039	-039	-039	-039	-039
-040	2.864	0.070		-040	-040	-040	-040	-040	-040
-041	2.989	0.070		-041	-041	-041	-041	-041	-041
-042	3.239	0.070		-042	-042	-042	-042	-042	-042

3B

4A

Chart 4A

GLAND O-RINGS FOR USE IN COMMON JET FUELS (contd)



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23956 to ANI24034	MS9021	MS29513	NASI593	NASI594	M83248/1	M25988/1
	ID	W							
-043	3.489	0.070		-043	-043	-043	-043	-043	-043
-044	3.739	0.070		-044	-044	-044	-044	-044	-044
-045	3.989	0.070		-045	-045	-045	-045	-045	-045
-046	4.239	0.070		-046	-046	-046	-046	-046	-046
-047	4.489	0.070		-047	-047	-047	-047	-047	-047
-048	4.739	0.070		-048	-048	-048	-048	-048	-048
-049	4.989	0.070		-049	-049	-049	-049	-049	-049
-050	5.239	0.070		-050	-050	-050	-050	-050	-050
-051 through -101	O-ring sizes not assigned.								
-102	0.049	0.103						-102	-102
-103	0.081	0.103						-103	-103
-104	0.112	0.103						-104	-104
-105	0.143	0.103						-105	-105
-106	0.174	0.103		-106				-106	-106
-107	0.206	0.103		-107				-107	-107
-108	0.237	0.103		-108				-108	-108
-109	0.299	0.103		-109				-109	-109
-110	0.362	0.103		-110	-110	-110	-110	-110	-110
-111	0.424	0.103	ANI23963	-111	-111	-111	-111	-111	-111
-112	0.487	0.103	ANI23964	-112	-112	-112	-112	-112	-112
-113	0.549	0.103	ANI23965	-113	-113	-113	-113	-113	-113
-114	0.612	0.103	ANI23966	-114	-114	-114	-114	-114	-114
-115	0.674	0.103	ANI23967	-115	-115	-115	-115	-115	-115
-116	0.737	0.103	ANI23968	-116	-116	-116	-116	-116	-116
-117	0.799	0.103	ANI23969	-117	-117	-117	-117	-117	-117
-118	0.862	0.103		-118	-118	-118	-118	-118	-118
-119	0.924	0.103		-119	-119	-119	-119	-119	-119
-120	0.987	0.103		-120	-120	-120	-120	-120	-120
-121	1.049	0.103		-121	-121	-121	-121	-121	-121
-122	1.112	0.103		-122	-122	-122	-122	-122	-122
-123	1.174	0.103		-123	-123	-123	-123	-123	-123
-124	1.237	0.103		-124	-124	-124	-124	-124	-124
-125	1.299	0.103		-125	-125	-125	-125	-125	-125
-126	1.362	0.103		-126	-126	-126	-126	-126	-126
-127	1.424	0.103		-127	-127	-127	-127	-127	-127
-128	1.487	0.103		-128	-128	-128	-128	-128	-128
-129	1.549	0.103		-129	-129	-129	-129	-129	-129
-130	1.612	0.103		-130	-130	-130	-130	-130	-130
-131	1.674	0.103		-131	-131	-131	-131	-131	-131
-132	1.737	0.103		-132	-132	-132	-132	-132	-132
-133	1.799	0.103		-133	-133	-133	-133	-133	-133
-134	1.862	0.103		-134	-134	-134	-134	-134	-134
-135	1.925	0.103		-135	-135	-135	-135	-135	-135
-136	1.987	0.103		-136	-136	-136	-136	-136	-136
-137	2.050	0.103		-137	-137	-137	-137	-137	-137
-138	2.112	0.103		-138	-138	-138	-138	-138	-138
-139	2.175	0.103		-139	-139	-139	-139	-139	-139
-140	2.237	0.103		-140	-140	-140	-140	-140	-140
-141	2.300	0.103		-141	-141	-141	-141	-141	-141
-142	2.362	0.103		-142	-142	-142	-142	-142	-142
-143	2.425	0.103		-143	-143	-143	-143	-143	-143
-144	2.487	0.103		-144	-144	-144	-144	-144	-144
-145	2.550	0.103		-145	-145	-145	-145	-145	-145
-146	2.612	0.103		-146	-146	-146	-146	-146	-146
-147	2.675	0.103		-147	-147	-147	-147	-147	-147
-148	2.737	0.103		-148	-148	-148	-148	-148	-148
-149	2.800	0.103		-149	-149	-149	-149	-149	-149
-150	2.862	0.103		-150	-150	-150	-150	-150	-150
-151	2.987	0.103		-151	-151	-151	-151	-151	-151
-152	3.237	0.103		-152	-152	-152	-152	-152	-152
-153	3.487	0.103		-153	-153	-153	-153	-153	-153
-154	3.737	0.103		-154	-154	-154	-154	-154	-154
-155	3.987	0.103		-155	-155	-155	-155	-155	-155
-156	4.237	0.103		-156	-156	-156	-156	-156	-156
-157	4.487	0.103		-157	-157	-157	-157	-157	-157
-158	4.737	0.103		-158	-158	-158	-158	-158	-158
-159	4.987	0.103		-159	-159	-159	-159	-159	-159
-160	5.237	0.103		-160	-160	-160	-160	-160	-160
-161	5.487	0.103		-161	-161	-161	-161	-161	-161
-162	5.737	0.103		-162	-162	-162	-162	-162	-162
-163	5.987	0.103		-163	-163	-163	-163	-163	-163
-164	6.237	0.103		-164	-164	-164	-164	-164	-164
-165	6.487	0.103		-165	-165	-165	-165	-165	-165
-166	6.737	0.103		-166	-166	-166	-166	-166	-166
-167	6.987	0.103		-167	-167	-167	-167	-167	-167

4A



**Chart 4A**

**GLAND O-RINGS FOR USE IN COMMON JET FUELS (contd)**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23956 to ANI24034	MS9021	MS29513	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W							
-168	7.237	0.103		-168	-168	-168	-168	-168	-168
-169	7.487	0.103		-169	-169	-169	-169	-169	-169
-170	7.737	0.103		-170	-170	-170	-170	-170	-170
-171	7.987	0.103		-171	-171	-171	-171	-171	-171
-172	8.237	0.103		-172	-172	-172	-172	-172	-172
-173	8.487	0.103		-173	-173	-173	-173	-173	-173
-174	8.737	0.103		-174	-174	-174	-174	-174	-174
-175	8.987	0.103		-175	-175	-175	-175	-175	-175
-176	9.237	0.103		-176	-176	-176	-176	-176	-176
-177	9.487	0.103		-177	-177	-177	-177	-177	-177
-178	9.737	0.103		-178	-178	-178	-178	-178	-178
-179 through -200	O-ring sizes not assigned.								
-201	0.171	0.139						-201	-201
-202	0.234	0.139						-202	-202
-203	0.296	0.139						-203	-203
-204	0.359	0.139						-204	-204
-205	0.421	0.139						-205	-205
-206	0.484	0.139						-206	-206
-207	0.546	0.139						-207	-207
-208	0.609	0.139						-208	-208
-209	0.671	0.139						-209	-209
-210	0.734	0.139	ANI23970	-210	-210	-210	-210	-210	-210
-211	0.796	0.139	ANI23971	-211	-211	-211	-211	-211	-211
-212	0.859	0.139	ANI23972	-212	-212	-212	-212	-212	-212
-213	0.921	0.139	ANI23973	-213	-213	-213	-213	-213	-213
-214	0.984	0.139	ANI23974	-214	-214	-214	-214	-214	-214
-215	1.046	0.139	ANI23975	-215	-215	-215	-215	-215	-215
-216	1.109	0.139	ANI23976	-216	-216	-216	-216	-216	-216
-217	1.171	0.139	ANI23977	-217	-217	-217	-217	-217	-217
-218	1.234	0.139	ANI23978	-218	-218	-218	-218	-218	-218
-219	1.296	0.139	ANI23979	-219	-219	-219	-219	-219	-219
-220	1.359	0.139	ANI23980	-220	-220	-220	-220	-220	-220
-221	1.421	0.139	ANI23981	-221	-221	-221	-221	-221	-221
-222	1.484	0.139	ANI23982	-222	-222	-222	-222	-222	-222
-223	1.609	0.139	ANI23983	-223	-223	-223	-223	-223	-223
-224	1.734	0.139	ANI23984	-224	-224	-224	-224	-224	-224
-225	1.859	0.139	ANI23985	-225	-225	-225	-225	-225	-225
-226	1.984	0.139	ANI23986	-226	-226	-226	-226	-226	-226
-227	2.109	0.139	ANI23987	-227	-227	-227	-227	-227	-227
-228	2.234	0.139	ANI23988	-228	-228	-228	-228	-228	-228
-229	2.359	0.139	ANI23989	-229	-229	-229	-229	-229	-229
-230	2.484	0.139	ANI23990	-230	-230	-230	-230	-230	-230
-231	2.609	0.139	ANI23991	-231	-231	-231	-231	-231	-231
-232	2.734	0.139	ANI23992	-232	-232	-232	-232	-232	-232
-233	2.859	0.139	ANI23993	-233	-233	-233	-233	-233	-233
-234	2.984	0.139	ANI23994	-234	-234	-234	-234	-234	-234
-235	3.109	0.139	ANI23995	-235	-235	-235	-235	-235	-235
-236	3.234	0.139	ANI23996	-236	-236	-236	-236	-236	-236
-237	3.359	0.139	ANI23997	-237	-237	-237	-237	-237	-237
-238	3.484	0.139	ANI23998	-238	-238	-238	-238	-238	-238
-239	3.609	0.139	ANI23999	-239	-239	-239	-239	-239	-239
-240	3.734	0.139	ANI24000	-240	-240	-240	-240	-240	-240
-241	3.859	0.139	ANI24001	-241	-241	-241	-241	-241	-241
-242	3.984	0.139	ANI24002	-242	-242	-242	-242	-242	-242
-243	4.109	0.139	ANI24003	-243	-243	-243	-243	-243	-243
-244	4.234	0.139	ANI24004	-244	-244	-244	-244	-244	-244
-245	4.359	0.139	ANI24005	-245	-245	-245	-245	-245	-245
-246	4.484	0.139	ANI24006	-246	-246	-246	-246	-246	-246
-247	4.609	0.139	ANI24007	-247	-247	-247	-247	-247	-247
-248	4.734	0.139	ANI24008	-248	-248	-248	-248	-248	-248
-249	4.859	0.139	ANI24009	-249	-249	-249	-249	-249	-249
-250	4.984	0.139	ANI24010	-250	-250	-250	-250	-250	-250
-251	5.109	0.139	ANI24011	-251	-251	-251	-251	-251	-251
-252	5.234	0.139	ANI24012	-252	-252	-252	-252	-252	-252
-253	5.359	0.139	ANI24013	-253	-253	-253	-253	-253	-253
-254	5.484	0.139	ANI24014	-254	-254	-254	-254	-254	-254
-255	5.609	0.139	ANI24015	-255	-255	-255	-255	-255	-255
-256	5.734	0.139	ANI24016	-256	-256	-256	-256	-256	-256
-257	5.859	0.139	ANI24017	-257	-257	-257	-257	-257	-257
-258	5.984	0.139	ANI24018	-258	-258	-258	-258	-258	-258
-259	6.234	0.139	ANI24019	-259	-259	-259	-259	-259	-259
-260	6.484	0.139	ANI24020	-260	-260	-260	-260	-260	-260
-261	6.734	0.139	ANI24021	-261	-261	-261	-261	-261	-261
-262	6.984	0.139	ANI24022	-262	-262	-262	-262	-262	-262
-263	7.234	0.139	ANI24023	-263	-263	-263	-263	-263	-263

**4A**

**Chart 4A**

**GLAND O-RINGS FOR USE IN COMMON JET FUELS (contd)**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23956 to ANI24034	MS9021	MS29513	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W							
-264	7.484	0.139	ANI24024	-264	-264	-264	-264	-264	-264
-265	7.734	0.139	ANI24025	-265	-265	-265	-265	-265	-265
-266	7.984	0.139	ANI24026	-266	-266	-266	-266	-266	-266
-267	8.234	0.139	ANI24027	-267	-267	-267	-267	-267	-267
-268	8.484	0.139	ANI24028	-268	-268	-268	-268	-268	-268
-269	8.734	0.139	ANI24029	-269	-269	-269	-269	-269	-269
-270	8.984	0.139	ANI24030	-270	-270	-270	-270	-270	-270
-271	9.234	0.139	ANI24031	-271	-271	-271	-271	-271	-271
-272	9.484	0.139	ANI24032	-272	-272	-272	-272	-272	-272
-273	9.734	0.139	ANI24033	-273	-273	-273	-273	-273	-273
-274	9.984	0.139	ANI24034	-274	-274	-274	-274	-274	-274
-275	10.484	0.139		-275	-275	-275	-275	-275	-275
-276	10.984	0.139		-276	-276	-276	-276	-276	-276
-277	11.484	0.139		-277	-277	-277	-277	-277	-277
-278	11.984	0.139		-278	-278	-278	-278	-278	-278
-279	12.984	0.139		-279	-279	-279	-279	-279	-279
-280	13.984	0.139		-280	-280	-280	-280	-280	-280
-281	14.984	0.139		-281	-281	-281	-281	-281	-281
-282	15.955	0.139		-282	-282		-282	-282	-282
-283	16.955	0.139		-283	-283		-283	-283	-283
-284	17.955	0.139		-284	-284		-284	-284	-284
-285 through -308	O-ring sizes not assigned.								
-309	0.412	0.210						-309	-309
-310	0.475	0.210						-310	-310
-311	0.537	0.210						-311	-311
-312	0.600	0.210						-312	-312
-313	0.662	0.210						-313	-313
-314	0.725	0.210						-314	-314
-315	0.787	0.210						-315	-315
-316	0.850	0.210						-316	-316
-317	0.912	0.210						-317	-317
-318	0.975	0.210						-318	-318
-319	1.037	0.210						-319	-319
-320	1.100	0.210						-320	-320
-321	1.162	0.210						-321	-321
-322	1.225	0.210						-322	-322
-323	1.289	0.210						-323	-323
-324	1.350	0.210						-324	-324
-325	1.475	0.210		-325	-325	-325	-325	-325	-325
-326	1.600	0.210		-326	-326	-326	-326	-326	-326
-327	1.725	0.210		-327	-327	-327	-327	-327	-327
-328	1.850	0.210		-328	-328	-328	-328	-328	-328
-329	1.975	0.210		-329	-329	-329	-329	-329	-329
-330	2.100	0.210		-330	-330	-330	-330	-330	-330
-331	2.225	0.210		-331	-331	-331	-331	-331	-331
-332	2.350	0.210		-332	-332	-332	-332	-332	-332
-333	2.475	0.210		-333	-333	-333	-333	-333	-333
-334	2.600	0.210		-334	-334	-334	-334	-334	-334
-335	2.725	0.210		-335	-335	-335	-335	-335	-335
-336	2.850	0.210		-336	-336	-336	-336	-336	-336
-337	2.975	0.210		-337	-337	-337	-337	-337	-337
-338	3.100	0.210		-338	-338	-338	-338	-338	-338
-339	3.225	0.210		-339	-339	-339	-339	-339	-339
-340	3.350	0.210		-340	-340	-340	-340	-340	-340
-341	3.475	0.210		-341	-341	-341	-341	-341	-341
-342	3.600	0.210		-342	-342	-342	-342	-342	-342
-343	3.725	0.210		-343	-343	-343	-343	-343	-343
-344	3.850	0.210		-344	-344	-344	-344	-344	-344
-345	3.975	0.210		-345	-345	-345	-345	-345	-345
-346	4.100	0.210		-346	-346	-346	-346	-346	-346
-347	4.225	0.210		-347	-347	-347	-347	-347	-347
-348	4.350	0.210		-348	-348	-348	-348	-348	-348
-349	4.475	0.210		-349	-349	-349	-349	-349	-349
-350	4.600	0.210		-350	-350		-350	-350	-350
-351	4.725	0.210		-351	-351		-351	-351	-351
-352	4.850	0.210		-352	-352		-352	-352	-352
-353	4.975	0.210		-353	-353		-353	-353	-353
-354	5.100	0.210		-354	-354		-354	-354	-354
-355	5.225	0.210		-355	-355		-355	-355	-355
-356	5.350	0.210		-356	-356		-356	-356	-356
-357	5.475	0.210		-357	-357		-357	-357	-357
-358	5.600	0.210		-358	-358		-358	-358	-358
-359	5.725	0.210		-359	-359		-359	-359	-359
-360	5.850	0.210		-360	-360		-360	-360	-360
-361	5.975	0.210		-361	-361		-361	-361	-361

**4A**



**Chart 4A**

**GLAND O-RINGS FOR USE IN COMMON JET FUELS (contd)**

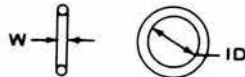


AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23956 to ANI24034	MS9021	MS29513	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W							
-362	6.225	0.210		-362	-362			-362	-362
-363	6.475	0.210		-363	-363			-363	-363
-364	6.725	0.210		-364	-364			-364	-364
-365	6.975	0.210		-365	-365			-365	-365
-366	7.225	0.210		-366	-366			-366	-366
-367	7.475	0.210		-367	-367			-367	-367
-368	7.725	0.210		-368	-368			-368	-368
-369	7.975	0.210		-369	-369			-369	-369
-370	8.225	0.210		-370	-370			-370	-370
-371	8.475	0.210		-371	-371			-371	-371
-372	8.725	0.210		-372	-372			-372	-372
-373	8.975	0.210		-373	-373			-373	-373
-374	9.225	0.210		-374	-374			-374	-374
-375	9.475	0.210		-375	-375			-375	-375
-376	9.725	0.210		-376	-376			-376	-376
-377	9.975	0.210		-377	-377			-377	-377
-378	10.475	0.210		-378	-378			-378	-378
-379	10.975	0.210		-379	-379			-379	-379
-380	11.475	0.210		-380	-380			-380	-380
-381	11.975	0.210		-381	-381			-381	-381
-382	12.975	0.210		-382	-382			-382	-382
-383	13.975	0.210		-383	-383			-383	-383
-384	14.975	0.210		-384	-384			-384	-384
-385	15.955	0.210		-385	-385			-385	-385
-386	16.955	0.210		-386	-386			-386	-386
-387	17.955	0.210		-387	-387			-387	-387
-388	18.955	0.210		-388	-388			-388	-388
-389	19.955	0.210		-389	-389			-389	-389
-390	20.955	0.210		-390	-390			-390	-390
-391	21.955	0.210		-391	-391			-391	-391
-392	22.940	0.210		-392	-392			-392	-392
-393	23.940	0.210		-393	-393			-393	-393
-394	24.940	0.210		-394	-394			-394	-394
-395	25.940	0.210		-395	-395			-395	-395
-396 through -424	O-ring sizes not assigned.								
-425	4.475	0.275		-425	-425	-425	-425	-425	-425
-426	4.600	0.275		-426	-426	-426	-426	-426	-426
-427	4.725	0.275		-427	-427	-427	-427	-427	-427
-428	4.850	0.275		-428	-428	-428	-428	-428	-428
-429	4.975	0.275		-429	-429	-429	-429	-429	-429
-430	5.100	0.275		-430	-430	-430	-430	-430	-430
-431	5.225	0.275		-431	-431	-431	-431	-431	-431
-432	5.350	0.275		-432	-432	-432	-432	-432	-432
-433	5.475	0.275		-433	-433	-433	-433	-433	-433
-434	5.600	0.275		-434	-434	-434	-434	-434	-434
-435	5.725	0.275		-435	-435	-435	-435	-435	-435
-436	5.850	0.275		-436	-436	-436	-436	-436	-436
-437	5.975	0.275		-437	-437	-437	-437	-437	-437
-438	6.225	0.275		-438	-438	-438	-438	-438	-438
-439	6.475	0.275		-439	-439	-439	-439	-439	-439
-440	6.725	0.275		-440	-440	-440	-440	-440	-440
-441	6.975	0.275		-441	-441	-441	-441	-441	-441
-442	7.225	0.275		-442	-442	-442	-442	-442	-442
-443	7.475	0.275		-443	-443	-443	-443	-443	-443
-444	7.725	0.275		-444	-444	-444	-444	-444	-444
-445	7.975	0.275		-445	-445	-445	-445	-445	-445
-446	8.475	0.275		-446	-446	-446	-446	-446	-446
-447	8.975	0.275		-447	-447	-447	-447	-447	-447
-448	9.475	0.275		-448	-448	-448	-448	-448	-448
-449	9.975	0.275		-449	-449	-449	-449	-449	-449
-450	10.475	0.275		-450	-450	-450	-450	-450	-450
-451	10.975	0.275		-451	-451	-451	-451	-451	-451
-452	11.475	0.275		-452	-452	-452	-452	-452	-452
-453	11.975	0.275		-453	-453	-453	-453	-453	-453
-454	12.475	0.275		-454	-454	-454	-454	-454	-454
-455	12.975	0.275		-455	-455	-455	-455	-455	-455
-456	13.475	0.275		-456	-456	-456	-456	-456	-456
-457	13.975	0.275		-457	-457	-457	-457	-457	-457
-458	14.475	0.275		-458	-458	-458	-458	-458	-458
-459	14.975	0.275		-459	-459	-459	-459	-459	-459
-460	15.475	0.275		-460	-460	-460	-460	-460	-460
-461	15.955	0.275		-461	-461			-461	-461
-462	16.455	0.275		-462	-462			-462	-462
-463	16.955	0.275		-463	-463			-463	-463
-464	17.455	0.275		-464	-464			-464	-464

**4A**

**Chart 4A**

**GLAND O-RINGS FOR USE IN COMMON JET FUELS (contd)**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		ANI23956 to ANI24034	MS9021	MS29513	NAS1593	NAS1594	M83248/1	M25988/1
	ID	W							
-465	17.955	0.275		-465	-465			-465	-465
-466	18.455	0.275		-466	-466			-466	-466
-467	18.955	0.275		-467	-467			-467	-467
-468	19.455	0.275		-468	-468			-468	-468
-469	19.955	0.275		-469	-469			-469	-469
-470	20.955	0.275		-470	-470			-470	-470
-471	21.955	0.275		-471	-471			-471	-471
-472	22.940	0.275		-472	-472			-472	-472
-473	23.940	0.275		-473	-473			-473	-473
-474	24.940	0.275		-474	-474			-474	-474
-475	25.940	0.275		-475	-475			-475	-475

**Chart 4B**

**BOSS O-RINGS FOR USE IN COMMON JET FUELS**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS			MS9020	MS29512	NAS1595	NAS1596	M83248/2
	TUBE OD	ID	W					
-901	3/32	0.185	0.056	-01	-01			-901
-902	1/8	0.239	0.064	-02	-02	-2	-2	-902
-903	3/16	0.301	0.064	-03	-03	-3	-3	-903
-904	1/4	0.351	0.072	-04	-04	-4	-4	-904
-905	5/16	0.414	0.072	-05	-05	-5	-5	-905
-906	3/8	0.468	0.078	-06	-06	-6	-6	-906
-907	7/16	0.530	0.082	-07	-07			-907
-908	1/2	0.644	0.087	-08	-08	-8	-8	-908
-909	9/16	0.706	0.097	-09	-09			-909
-910	5/8	0.755	0.097	-10	-10	-10	-10	-910
-911	11/16	0.863	0.116	-11	-11			-911
-912	3/4	0.924	0.116	-12	-12	-12	-12	-912
-913	13/16	0.986	0.116	-13	-13			-913
-914	7/8	1.047	0.116	-14	-14			-914
-916	1	1.171	0.116	-16	-16	-16	-16	-916
-918	1-1/8	1.355	0.116	-18	-18			-918
-920	1-1/4	1.475	0.118	-20	-20	-20	-20	-920
-924	1-1/2	1.720	0.118	-24	-24	-24	-24	-924
-928	1-3/4	2.090	0.118	-28	-28	-28	-28	-928
-932	2	2.337	0.118	-32	-32	-32	-32	-932

**Chart 5A**

**GLAND O-RINGS FOR USE IN BREATHING OXYGEN**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		MS9068	AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		MS9068
	ID	W			ID	W	
-001	0.029	0.040		-018	0.739	0.070	-018
-002	0.042	0.050		-019	0.801	0.070	-019
-003	0.056	0.060		-020	0.864	0.070	-020
-004	0.070	0.070	-004	-021	0.926	0.070	-021
-005	0.101	0.070	-005	-022	0.989	0.070	-022
-006	0.114	0.070	-006	-023	1.051	0.070	-023
-007	0.145	0.070	-007	-024	1.114	0.070	-024
-008	0.176	0.070	-008	-025	1.176	0.070	-025
-009	0.208	0.070	-009	-026	1.239	0.070	-026
-010	0.239	0.070	-010	-027	1.301	0.070	-027
-011	0.301	0.070	-011	-028	1.364	0.070	-028
-012	0.364	0.070	-012	-029	1.489	0.070	-029
-013	0.426	0.070	-013	-030	1.614	0.070	-030
-014	0.489	0.070	-014	-031	1.739	0.070	-031
-015	0.551	0.070	-015	-032	1.864	0.070	-032
-016	0.614	0.070	-016	-033	1.989	0.070	-033
-017	0.676	0.070	-017	-034	2.114	0.070	-034

4A  
4B  
5A



**Chart 5A**

**GLAND O-RINGS FOR USE IN BREATHING OXYGEN (contd)**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		MS9068		AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		MS9068
	ID	W				ID	W	
-035	2.239	0.070	-035		-160	5.237	0.103	-160
-036	2.364	0.070	-036		-161	5.487	0.103	-161
-037	2.489	0.070	-037		-162	5.737	0.103	-162
-038	2.614	0.070	-038		-163	5.987	0.103	-163
-039	2.739	0.070	-039		-164	6.237	0.103	
-040	2.864	0.070	-040		-165	6.487	0.103	
-041	2.989	0.070	-041		-166	6.737	0.103	
-042	3.239	0.070	-042		-167	6.987	0.103	
-043	3.489	0.070	-043		-168	7.237	0.103	
-044	3.739	0.070	-044		-169	7.487	0.103	
-045	3.989	0.070	-045		-170	7.737	0.103	
-046	4.239	0.070			-171	7.987	0.103	
-047	4.489	0.070			-172	8.237	0.103	
-048	4.739	0.070			-173	8.487	0.103	
-049	4.989	0.070			-174	8.737	0.103	
-050	5.239	0.070			-175	8.987	0.103	
-051 through -101	O-ring sizes not assigned.				-176	9.237	0.103	
-102	0.049	0.103			-177	9.487	0.103	
-103	0.081	0.103			-178	9.737	0.103	
-104	0.112	0.103			-179 through -200	O-ring sizes not assigned.		
-105	0.143	0.103			-201	0.171	0.139	
-106	0.174	0.103			-202	0.234	0.139	
-107	0.206	0.103			-203	0.296	0.139	
-108	0.237	0.103			-204	0.359	0.139	
-109	0.299	0.103			-205	0.421	0.139	
-110	0.362	0.103	-110		-206	0.484	0.139	
-111	0.424	0.103	-111		-207	0.546	0.139	
-112	0.487	0.103	-112		-208	0.609	0.139	
-113	0.549	0.103	-113		-209	0.671	0.139	
-114	0.612	0.103	-114		-210	0.734	0.139	-210
-115	0.674	0.103	-115		-211	0.796	0.139	-211
-116	0.737	0.103	-116		-212	0.859	0.139	-212
-117	0.799	0.103	-117		-213	0.921	0.139	-213
-118	0.862	0.103	-118		-214	0.984	0.139	-214
-119	0.924	0.103	-119		-215	1.046	0.139	-215
-120	0.987	0.103	-120		-216	1.109	0.139	-216
-121	1.049	0.103	-121		-217	1.171	0.139	-217
-122	1.112	0.103	-122		-218	1.234	0.139	-218
-123	1.174	0.103	-123		-219	1.296	0.139	-219
-124	1.237	0.103	-124		-220	1.359	0.139	-220
-125	1.299	0.103	-125		-221	1.421	0.139	-221
-126	1.362	0.103	-126		-222	1.484	0.139	-222
-127	1.424	0.103	-127		-223	1.609	0.139	-223
-128	1.487	0.103	-128		-224	1.734	0.139	-224
-129	1.549	0.103	-129		-225	1.859	0.139	-225
-130	1.612	0.103	-130		-226	1.984	0.139	-226
-131	1.674	0.103	-131		-227	2.109	0.139	-227
-132	1.737	0.103	-132		-228	2.234	0.139	-228
-133	1.799	0.103	-133		-229	2.359	0.139	-229
-134	1.862	0.103	-134		-230	2.484	0.139	-230
-135	1.925	0.103	-135		-231	2.609	0.139	-231
-136	1.987	0.103	-136		-232	2.734	0.139	-232
-137	2.050	0.103	-137		-233	2.859	0.139	-233
-138	2.112	0.103	-138		-234	2.984	0.139	-234
-139	2.175	0.103	-139		-235	3.109	0.139	-235
-140	2.237	0.103	-140		-236	3.234	0.139	-236
-141	2.300	0.103	-141		-237	3.359	0.139	-237
-142	2.362	0.103	-142		-238	3.484	0.139	-238
-143	2.425	0.103	-143		-239	3.609	0.139	-239
-144	2.487	0.103	-144		-240	3.734	0.139	-240
-145	2.550	0.103	-145		-241	3.859	0.139	-241
-146	2.612	0.103	-146		-242	3.984	0.139	-242
-147	2.675	0.103	-147		-243	4.109	0.139	-243
-148	2.737	0.103	-148		-244	4.234	0.139	-244
-149	2.800	0.103	-149		-245	4.359	0.139	-245
-150	2.862	0.103	-150		-246	4.484	0.139	-246
-151	2.987	0.103	-151		-247	4.609	0.139	-247
-152	3.237	0.103	-152		-248	4.734	0.139	-248
-153	3.487	0.103	-153		-249	4.859	0.139	-249
-154	3.737	0.103	-154		-250	4.984	0.139	-250
-155	3.987	0.103	-155		-251	5.109	0.139	-251
-156	4.237	0.103	-156		-252	5.234	0.139	-252
-157	4.487	0.103	-157		-253	5.359	0.139	-253
-158	4.737	0.103	-158		-254	5.484	0.139	-254
-159	4.987	0.103	-159		-255	5.609	0.139	-255

**5A**

**Chart 5A**

**GLAND O-RINGS FOR USE IN BREATHING OXYGEN (contd)**



AS 568A		NOMINAL DIMENSIONS		MS9068	AS 568A		NOMINAL DIMENSIONS		MS9068
STANDARDIZED DASH NO.	ID	W			STANDARDIZED DASH NO.	ID	W		
-256	5.734	0.139		-256	-354	5.100	0.210		
-257	5.859	0.139		-257	-355	5.225	0.210		
-258	5.984	0.139		-258	-356	5.350	0.210		
-259	6.234	0.139		-259	-357	5.475	0.210		
-260	6.484	0.139		-260	-358	5.600	0.210		
-261	6.734	0.139		-261	-359	5.725	0.210		
-262	6.984	0.139		-262	-360	5.850	0.210		
-263	7.234	0.139		-263	-361	5.975	0.210		
-264	7.484	0.139		-264	-362	6.225	0.210		
-265	7.734	0.139		-265	-363	6.475	0.210		
-266	7.984	0.139		-266	-364	6.725	0.210		
-267	8.234	0.139		-267	-365	6.975	0.210		
-268	8.484	0.139		-268	-366	7.225	0.210		
-269	8.734	0.139		-269	-367	7.475	0.210		
-270	8.984	0.139		-270	-368	7.725	0.210		
-271	9.234	0.139		-271	-369	7.975	0.210		
-272	9.484	0.139		-272	-370	8.225	0.210		
-273	9.734	0.139		-273	-371	8.475	0.210		
-274	9.984	0.139		-274	-372	8.725	0.210		
-275	10.484	0.139		-275	-373	8.975	0.210		
-276	10.984	0.139		-276	-374	9.225	0.210		
-277	11.484	0.139		-277	-375	9.475	0.210		
-278	11.984	0.139		-278	-376	9.725	0.210		
-279	12.984	0.139		-279	-377	9.975	0.210		
-280	13.984	0.139		-280	-378	10.475	0.210		
-281	14.984	0.139		-281	-379	10.975	0.210		
-282	15.955	0.139		-380	11.475	0.210			
-283	16.955	0.139		-381	11.975	0.210			
-284	17.955	0.139		-382	12.975	0.210			
-285 through -308	O-ring sizes not assigned.			-383	13.975	0.210			
-309	0.412	0.210		-384	14.975	0.210			
-310	0.475	0.210		-385	15.955	0.210			
-311	0.537	0.210		-386	16.955	0.210			
-312	0.600	0.210		-387	17.955	0.210			
-313	0.662	0.210		-388	18.955	0.210			
-314	0.725	0.210		-389	19.955	0.210			
-315	0.787	0.210		-390	20.955	0.210			
-316	0.850	0.210		-391	21.955	0.210			
-317	0.912	0.210		-392	22.940	0.210			
-318	0.975	0.210		-393	23.940	0.210			
-319	1.037	0.210		-394	24.940	0.210			
-320	1.100	0.210		-395	25.940	0.210			
-321	1.162	0.210		-396 through -424	O-ring sizes not assigned.				
-322	1.225	0.210		-425	4.475	0.275	-425		
-323	1.289	0.210		-426	4.600	0.275	-426		
-324	1.350	0.210		-427	4.725	0.275	-427		
-325	1.475	0.210	-325	-428	4.850	0.275	-428		
-326	1.600	0.210	-326	-429	4.975	0.275	-429		
-327	1.725	0.210	-327	-430	5.100	0.275	-430		
-328	1.850	0.210	-328	-431	5.225	0.275	-431		
-329	1.975	0.210	-329	-432	5.350	0.275	-432		
-330	2.100	0.210	-330	-433	5.475	0.275	-433		
-331	2.225	0.210	-331	-434	5.600	0.275	-434		
-332	2.350	0.210	-332	-435	5.725	0.275	-435		
-333	2.475	0.210	-333	-436	5.850	0.275	-436		
-334	2.600	0.210	-334	-437	5.975	0.275	-437		
-335	2.725	0.210	-335	-438	6.225	0.275	-438		
-336	2.850	0.210	-336	-439	6.475	0.275	-439		
-337	2.975	0.210	-337	-440	6.725	0.275	-440		
-338	3.100	0.210	-338	-441	6.975	0.275	-441		
-339	3.225	0.210	-339	-442	7.225	0.275	-442		
-340	3.350	0.210	-340	-443	7.475	0.275	-443		
-341	3.475	0.210	-341	-444	7.725	0.275	-444		
-342	3.600	0.210	-342	-445	7.975	0.275	-445		
-343	3.725	0.210	-343	-446	8.475	0.275	-446		
-344	3.850	0.210	-344	-447	8.975	0.275	-447		
-345	3.975	0.210	-345	-448	9.475	0.275	-448		
-346	4.100	0.210	-346	-449	9.975	0.275	-449		
-347	4.225	0.210	-347	-450	10.475	0.275	-450		
-348	4.350	0.210	-348	-451	10.975	0.275	-451		
-349	4.475	0.210	-349	-452	11.475	0.275	-452		
-350	4.600	0.210		-453	11.975	0.275	-453		
-351	4.725	0.210		-454	12.475	0.275	-454		
-352	4.850	0.210		-455	12.975	0.275	-455		
-353	4.975	0.210		-456	13.475	0.275	-456		

**5A**



**Chart 5A**

**GLAND O-RINGS FOR USE IN BREATHING OXYGEN (contd)**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		MS9068		AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS		MS9068
	ID	W				ID	W	
-457	13.975	0.275	-457		-467	18.955	0.275	-467
-458	14.475	0.275	-458		-468	19.455	0.275	-468
-459	14.975	0.275	-459		-469	19.955	0.275	
-460	15.475	0.275	-460		-470	20.955	0.275	
-461	15.955	0.275	-461		-471	21.955	0.275	
-462	16.455	0.275	-462		-472	22.940	0.275	
-463	16.955	0.275	-463		-473	23.940	0.275	
-464	17.455	0.275	-464		-474	24.940	0.275	
-465	17.955	0.275	-465		-475	25.940	0.275	
-466	18.455	0.275	-466					

**Chart 5B**

**BOSS O-RINGS FOR USE IN BREATHING OXYGEN**



AS 568A STANDARDIZED DASH NO.	NOMINAL DIMENSIONS			906	MS9385
	TUBE OD	ID	W		
-901	3/32	0.185	0.056		-01
-902	1/8	0.239	0.064	-2	-02
-903	3/16	0.301	0.064	-3	-03
-904	1/4	0.351	0.072	-4	-04
-905	5/16	0.414	0.072	-5	-05
-906	3/8	0.468	0.078	-6	-06
-907	7/16	0.530	0.082		-07
-908	1/2	0.644	0.087	-8	-08
-909	9/16	0.706	0.097		-09
-910	5/8	0.755	0.097	-10	-10
-911	11/16	0.863	0.116		-11
-912	3/4	0.924	0.116	-12	-12
-913	13/16	0.986	0.116		-13
-914	7/8	1.047	0.116		-14
-916	1	1.171	0.116	-16	-16
-918	1-1/8	1.355	0.116		-18
-920	1-1/4	1.475	0.118	-20	-20
-924	1-1/2	1.720	0.118	-24	-24
-928	1-3/4	2.090	0.118	-28	-28
-932	2	2.337	0.118	-32	-32

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