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SPECIAL DOUBLE ISSUE

O-RINGS

A SERVICE PUBLICATION OF LOCKHEED MARTIN AERONAUTICAL SYSTEMS

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Cover: A C-130 based with the 50th TAS at Little Rock AFB faces a new day at Ramstein AB in Germany. This aircraft is one of the many Hercules airlifters being used to support Operation Joint Endeavor, bringing relief to war-ravaged Bosnia.

Cover photograph by John Rossino

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Focal P⊕int ∃

Elastomers and Age Control



J.D. Adams

This entire issue of *Service News* magazine is devoted to O-rings. It seems ironic that a simple, molded, doughnut-shaped part made of a single material could warrant so much attention. The selection of a specific O-ring is based on a variety of factors, including fluid media resistance, temperature range, hardness, durability, gland size, static or dynamic application, etc. There have been some significant technological advances in materials in recent history, but sometimes the best solution is still the simplest. While the use of fluorosilicone and fluorocarbon materials has become more widespread, the best choice often continues to be a basic nitrile butadiene (or Buna N) elastomer. Unfortunately, the nitrile compounds require age control.

J. C. Davis

Why is basic nitrile a better choice than a fluorosilicone or fluorocarbon compound which doesn't require age control? The tradeoff for fluorocarbon is higher cost and decreased low-temperature resistance; for fluorosilicone it is high cost and decreased durability. The cost factor is influenced by raw materials costs, processing costs, shrinkage control, and other considerations.

In the past, MIL-STD-1523, "Age Control of Age-Sensitive Elastomeric Material (for Aerospace Applications)," has provided the requirements for age control. This included requirements for elastomeric O-rings as well as other age-sensitive products such as aircraft hoses. The original MIL-STD-1523, issued in 1973, gave specific requirements for receipt and delivery of age-sensitive materials. Revision (A) to MIL-STD-1523 was released in 1984. This revision simplified the requirements by controlling only the allowable time period from start to end; that is, cure date to "maximum age at acceptance by a Government Acquiring Activity." The contractor was required to control all the interim steps and requirements so that the overall provisions of the military standard would be satisfied.

Now, as a result of the Perry Initiative to reduce the number of military specifications, MIL-STD-1523A has been canceled without replacement. Age controls for hose products are delineated by SAE Aerospace Standard AS1933, "Age Controls for Hose Containing Age-Sensitive Elastomeric Material." However, there is no reference to or replacement for age control of O-rings and other non-hose products. Does this mean that age control of O-rings is no longer necessary? Emphatically, no. This simply transfers the total responsibility to the contractor.

The transfer of responsibility for age control to the contractors will not affect the ability of Lockheed Martin Aeronautical Systems (LMAS) to control and deliver quality products to our customers. We and other OEMs have had internal requirements documents all along. These documents follow guidelines of the previous military requirements while tailoring the requirements to individual company needs. The LMAS controlling document is ER8094, "Limited Calendar Life Limitations." This document will continue to be used by LMAS to ensure that our customers receive a fresh and viable product.

J. C. Davis, Manager Product Design Division

PRODUCT SUPPORT LOCKHEED MARTIN AERONAUTICAL SYSTEMS

J. L. GAFFNEY — DIRECTOR

FIELD SUPPORT TECHNICAL SUPPORT TRAINING

H.D. Hall

J.L. Bailey

S.S. Clark

Newly Revised and Updated:

O-RINGS

by **Jim Roberts,** Engineer, Sr. Standards and Specifications Group

Service News is pleased to present its fourth special issue devoted entirely to the subject of O-rings. The present update contains the latest information on the O-rings (also known as preformed packings) and backup rings used in the hydraulic, lubrication, fuel, and breathing oxygen systems of the Hercules airlifter and many other types of aircraft. This article consists of a multi-part index and 12 component charts. Please note that these O-ring charts do not authorize random substitutions, but are provided to Hercules operators for comparison and informational purposes.

A New Format

To help simplify use, the index has been reformatted to include an alphanumeric listing of all O-rings and backup rings, and listings by system and component type. Superseded parts are clearly identified for each system and application (gland or boss). Temperature ranges are now provided in both Fahrenheit and Celsius scales. Note that the temperature values shown in parentheses are nominal values provided by Lockheed Martin Aeronautical Systems Standards and Specifications Engineering.

Hydraulic system O-rings and backup rings are listed on Charts 2A, 2B-1, 2B-2, 2B-3, 2C, and 2D. Chart 2A details gland O-rings used in hydraulic systems. An M83461/1 O-ring listing was added to supplement previously issued information. The 2B-series of gland backup ring charts have been expanded to three. The latest addition (2B-3) lists the sizes of MS27595 continuous backup rings. Also, M8791/1 Teflon backup rings were added to the 2B-1 chart. The contents of Chart 2C covering boss O-rings and Chart 2D for boss backup rings have not been changed since the previous *Service News* O-ring issue.

Lubrication oil system O-rings and backup rings are listed on Charts 3A and 3B. Both charts now include

information for the AS3551 O-ring. Fuel system O-rings and backup rings are listed on Charts 4A and 4B. Breathing oxygen system O-rings and backup rings are listed on Charts 5A and 5B.

When using the charts, be sure to refer to the notes below. This information should be consulted any time part substitution is considered. If problems concerning substitutability are encountered, contact your nearest Lockheed Martin Field Service representative. We have also provided the names and addresses of several selected manufacturers of O-rings and backup rings for your convenience.

Chart 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. These O-rings should 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 a limited shelf life. Any Orings made of this material still in stock with cure dates exceeding 120 months should be discarded.
- In Chart 1, the temperatures listed in the Temperature Range column are nominal values supplied by Lockheed Martin Standards and Specifications Engineering.
- Charts 2A, 3A, and 4A: When an O-ring made of fluorocarbon material is to be substituted for one made of 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. Orings made of fluorocarbon material are somewhat less tolerant of low temperatures than those made of Buna N.

Suppliers

The names and addresses of selected suppliers are given in the listing below.

National O-Rings 11634 Patton Road Downey, CA 90241-5295 Tel: 213-862-8163

PARCO, Inc. 2150 Parco Ave. Ontario, CA 91761-5768 Tel: 714-947-2200 Parker-Hannifin Corp. 2360 Palumbo Drive Lexington, KY 40515-1751 Tel: 606-269-2351

Stillman Seal 6020 Avenida Encinas Carlsbad, CA 92008 Tel: 619-438-1011

Wynns-Precision, Inc. 104 Hartman Drive Lebanon, TN 37087-8401 Tel: 615-444-0191

O-RINGS, BACKUP RINGS DIMENSION VIEWS

ID = internal diameter T = thickness W = width

DESIGN

CHART APPLICATION





O-RINGS Charts 2A, 2C, 3A, 3B, 4A, 4B, 5A, 5B





SINGLE-TURN BACKUP RINGS Charts 2B-1, 2D





DOUBLE-TURN BACKUP RINGS Chart 2B-2





CONTINUOUS BACKUP RINGS Chart 2B-3

Chart 1

ALPHANUMERIC O-RING and BACKUP RING LIST

			Superseding	
Part Number	Part Name	System	Part Number	Chart
AN123856 to	O-ring	Lubricating Oil	None	3A
AN123934				
AN123956 to	O-ring	Jet Fuel	None	4A
AN124034	_			
AN6227	O-ring	Hydraulic	M83461/1	2A
AN6230	O-ring	Hydraulic	M83461/1	2A
AN6290	O-ring	Hydraulic	MS28778	2C
AS3551	O-ring	Lubricating Oil	None	3A and 3B
LS4564	Backup Ring	Hydraulic	M8791/1	2B-1
LS4565	Backup Ring	Hydraulic	M8791/1	2B-1
LS4629	O-ring	Hydraulic	M83248/1	2A
LS4634	O-ring	Hydraulic	M83248/2	2C
LS4764	Backup Ring	Hydraulic	MS28773	2D
LS5041	O-ring	Lubricating Oil	M83248/1	3A and 3B
MS27595	Backup Ring	Hydraulic	None	2B-3
MS28773	Backup Ring	Hydraulic	None	2D
MS28774	Backup Ring	Hydraulic (1)	M8791/1	2B-1
MS28775	O-ring	Hydraulic	M83461/1	2A
MS28778	O-ring	Hydraulic	None	2C
MS28782	Backup Řing	Hydraulic	None	2B-2
MS28783	Backup Ring	Hydraulic	None	2B-2
MS29512	O-ring	Jet Fuel	None	4B
MS29513	O-ring	Jet Fuel	None	4A
MS29561	O-ring	Lubricating Oil	None	3A
MS9020	O-ring	Jet Fuel	None	4B
MS9021	O-ring	Jet Fuel	None	4A
MS9058	Backup Řing	Hydraulic	MS28773	2D
MS9068	O-ring	Óxygen	None	5A
MS9241	O-ring	Lubricating Oil	AS3551	3A
MS9355	O-ring	Lubricating Oil	AS3551	3B
MS9385	O-ring	Oxygen	None	5B
M25988/1	O-ring	Jet Fuel (2)	None	3A and 4A
M83248/1	O-ring	Hydraulic (3)	None	2A, 3A, and 4A
M83248/2	O-ring	Hydraulic (3)	None	2C, 3B, and 4B
M83461/1	O-ring	Hydraulic	None	2A
M8791/1	Backup Ring	Hydraulic	None	2B-1
NAS1593	O-ring	Hydraulic (3)	M83248/1	2A, 3A, and 4A
NAS1594	O-ring	Hydraulic (3)	M83248/1	2A, 3A, and 4A
NAS1595	O-ring	Hydraulic (3)	M83248/2	2C, 3B, and 4B
NAS1596	O-ring	Hydraulic (3)	M83248/2	2C, 3B, and 4B
NAS617	O-ring	Lubricating Oil	None	3B
STSPK300	O-ring	Hydraulic	M83248/2	2C
2()PS1-30-5	O-ring	Hydraulic	None	2A
3()N168-80	O-ring	Hydraulic	M83248/2	2C
3()N756-76	O-ring	Hydraulic	M83248/2	2C
3()PS1-30-5	O-ring	Hydraulic	None	2C
906	O-ring	Oxygen	MS9385	5B

NOTES:

- (1) Some MS28774 backup rings are not superseded.
- (2) M25988/1 O-rings are used for lubricating oil applications on other airplanes.
- (3) M83248/() and NAS159() O-rings are used for lubricating oil and jet fuel applications on other airplanes.

Chart 1

HYDRAULIC SYSTEM O-RINGS

(MIL-H-5606 and MIL-H-83282)

Current	Superseded		Temperate	ure Range			
Part Number	Part Number(s)	Application	Fahrenheit	Celsius	Specification	Material	Chart
MS28778		Boss	-65 to 160	-54 to 71	MIL-P-5510	Buna N	2C
	AN6290		-65 to 160	-54 to 71	MIL-P-5510	Buna N	2C
M83248/1		Gland	-20 to 500	-29 to 260	MIL-R-83248	Fluorocarbon	2A
	NAS1593		-30 to 500	-34 to 260	MIL-R-25897	Fluorocarbon	2A
	NAS1594		-30 to 500	-34 to 260	MIL-R-25897	Fluorocarbon	2A
M83248/2		Boss	-20 to 500	-29 to 260	MIL-R-83248	Fluorocarbon	2C
	LS4634		-65 to 275	-54 to 135	None	Buna-N	2C
	NAS1595		-30 to 500	-34 to 135	MIL-R-25897	Fluorocarbon	2C
	NAS1596		-30 to 500	-34 to 135	MIL-R-25897	Fluorocarbon	2C
	STSPK300		-65 to 275	-54 to 135	MIL-P-5510	Buna N	2C
	3()N168-80		-65 to 275	-54 to 135	MIL-P-5510	Buna N	2C
	3()N756-76		-65 to 275	-54 to 135	MIL-P-83461	Buna N	2C
M83461/1		Gland	-65 to 275	-54 to 135	MIL-P-83461	Buna N	2A
	AN6227		-65 to 160	-54 to 71	MIL-P-5516	Buna N	2A
	AN6230		-65 to 160	-54 to 71	MIL-P-5516	Buna N	2A
	LS4629		-65 to 275	-54 to 135	MIL-P-25732	Buna N	2A
	MS28775		-65 to 275	-54 to 135	MIL-P-25732	Buna N	2A
2()PS1-30-5		Gland	-65 to 160	-54 to 71	MIL-P-5516	Buna N	2A
3()PS1-30-5		Boss	-65 to 160	-54 to 71	MIL-P-5516	Buna N	2C

Chart 1

HYDRAULIC SYSTEM BACKUP RINGS

(MIL-H-5606 and MIL-H-83282)

Current	Superseded		Temperat	ure Range			
Part Number	Part Number(s)	Application	Fahrenheit	Celsius	Specification	Material	Chart
MS27595		Gland	-65 to 275	-54 to 135	MIL-R-8791	Teflon	2B-3
MS28773		Boss	-65 to 275	-54 to 135	MIL-R-8791	Teflon	2D
	LS4764		-65 to 275	-54 to 135	MIL-R-8791	Teflon	2D
	MS9058		-65 to 275	-54 to 135	MIL-R-8791	Teflon	2D
MS28782		Gland	-65 to 275	-54 to 135	MIL-R-8791	Teflon	2B-2
MS28783		Gland	-65 to 275	-54 to 135	MIL-R-8791	Teflon	2B-2
M8791/1		Gland	-65 to 275	-54 to 135	MIL-R-8791	Teflon	2B-1
	LS4564		-65 to 275	-54 to 135	MIL-R-8791	Teflon	2B-1
	LS4565		-65 to 275	-54 to 135	MIL-R-8791	Teflon	2B-1
	* MS28774		-65 to 275	-54 to 135	MIL-R-8791	Teflon	2B-1

^{*} Backup ring is still used for sizes not covered in M8791/1 series.

Chart 1

LUBRICATION SYSTEM O-RINGS

(MIL-L-7808 and MIL-L-23699)

Current	Superseded		Temperate	ure Range			
Part Number	Part Number(s)	Application	Fahrenheit	Celsius	Specification	Material	Chart
AS3551		Gland/Boss	(-55) to 300	(-48) to 149	AMS7272	Buna N	3A, 3B
	MS9241	Gland	(-55) to 300	(-48) to 149	AMS7272	Buna N	3A
	MS9355	Boss	(-55) to 300	(-48) to 149	AMS7272	Buna N	3B
AN123856 to		Gland	-65 to (160)	-54 to (71)	AMS7274	Buna N	3A
AN123934			1				
MS29561		Gland	(-65) to (275)	(-54) to (135)	MIL-R-7362	Buna N	3A
M83248/1		Gland/Boss	-30 to 500	-34 to 260	MIL-R-83248	Fluorocarbon	3A
	LS5041	Gland/Boss	-65 to 300	-54 to 149	None	Buna N	3A, 3B
NAS617		Boss	(-65) to (275)	(-54) to (135)	MIL-R-7362	Buna N	3B

Chart 1

FUEL SYSTEM O-RINGS

(JP-4, JP-5, JP-8, Jet A, Jet A-1, and Jet B)

Current	Superseded		Temperati	ıre Range			
Part Number	Part Number(s)	Application	Fahrenheit	Celsius	Specification	Material	Chart
AN123956 to		Gland	-65 to (200)	-54 to (93)	AMS7270	Buna N	4A
AN124034							
MS9020		Boss	-65 to (200)	-54 to (93)	AMS7271	Buna N	4B
MS9021		Gland	-65 to (200)	-54 to (93)	AMS7271	Buna N	4A
MS29512		Boss	-65 to 160	-54 to 71	MIL-P-5315	Buna N	4B
MS29513		Gland	-65 to 160	-54 to 71	MIL-P-5315	Buna N	4A
M25988/1		Gland	-85 to 350	-65 to 177	MIL-R-25988	Fluorosilicone	4A

Chart 1

BREATHING OXYGEN O-RINGS

Current	Superseded		Temperati	ure Range			
Part Number	Part Number(s)	Application	Fahrenheit	Celsius	Specification	Material	Chart
MS9068		Gland	-85 to 401	-65 to 205	AMS3304	Silicone	5A
MS9385		Boss	-85 to 500	-65 to 260	AMS7267	Silicone	5B
	906		-70 to 450	-57 to 232	None	Silicone	5B

Chart 2A

AS 568A	Nominal D	imensions						[
Standard Dash No.	ID	W	AN6227	AN6230	LS4629	MS28775	NAS1593	NA\$1594	2()PS1-30-5	M83461/1	M83248/1
-001	0.029	0.040				-001				-001	-001
-002	0.042	0.050				-002				-002	-002
-003	0.056	0.060			1	-003				-003	-003
-004	0.070	0.070				-004	-004	-004		-004	-004
-005	0.101	0.070				-005	-005	-005		-005	-005
-006	0.114	0.070	-1			-006	-006	-006	-006	-006	-006
-007	0.145	0.070	-2			-007	-007	-007	-007	-007	-007
-008	0.176	0.070	-3			-008	-008	-008	-008	-008	-008
-009	0.208	0.070	-4			-009	-009	-009	-009	-009	-009
-010	0.239	0.070	-5			-010	-010	-010	-010	-010	-010
-011	0.301	0.070	-6			-011	-011	-011	-011	-011	-011
-012	0.364	0.070	-7			-012	-012	-012	-012	-012	-012
-013	0.426	0.070				-013	-013	-013		-013	-013
-014	0.489	0.070				-014	-014	-014	İ	-014	-014
-015	0.551	0.070				-015	-015	-015		-015	-015
-016	0.614	0.070				-016	-016	-016		-016	-016
-017	0.676	0.070				-017	-017	-017		-017	-017
-018	0.739	0.070				-018	-018	-018		-018	-018
-019	0.801	0.070				-019	-019	-019		-019	-019
-020	0.864	0.070				-020	-020	-020		-020	-020
-021	0.926	0.070				-021	-021	-021		-021	-021
-022	0.989	0.070				-022	-022	-022		-022	-022
-023	1.051	0.070				-023	-023	-023		-023	-023
-024	1.114	0.070				-024	-024	-024		-024	-024
-025	1.176	0.070				-025	-025	-025		-025	-025
-026	1.239	0.070				-026	-026	-026		-026	-026
-027	1.301	0.070				-027	-027	-027		-027	-027
-028	1.364	0.070				-028	-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

(0011101)											
AS 568A Standard Dash No.	Nominal I	Dimensions W	AN6227	AN6230	LS4629	MS28775	NAS1593	NACTEDA	0/\D01.00.5	MODACA	8400040/4
-050	5.239	0.070	ANOZZI	ANOZOU	L54629	-050	-050	NAS1594 -050	2()PS1-30-5	M83461/1	M83248/1 -050
-051 through -101		not assigned.					"		1		
-102	0.049	0.103				-102					-102
-103	0.081	0.103				-103					-103
-104 -105	0.112	0.103				-104					-104
-105	0.143 0.174	0.103 0.103				-105 -106					-105 -106
-107	0.206	0.103				-107			1		-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	-110
-111	0.424	0.103	-9 10			-111	-111	-111	-111	-111	-111
-112 -113	0.487 0.549	0.103 0.103	-10 -11			-112 -113	-112 -113	-112 -113	-112 -113	-112 -113	-112 -113
-114	0.612	0.103	-12			-114	-114	-114	-114	-113	-114
-115	0.674	0.103	-13			-115	-115	-115	-115	-115	-115
-116	0.737	0.103	-14			-116	-116	-116	-116	-116	-116
-117	0.799	0.103				-117	-117	-117		-117	-117
-118	0.862	0.103				-118	-118	-118		-118	-118
-119 -120	0.924 0.987	0.103 0.103				-119 -120	-119 -120	-119 -120		-119 -120	-119 -120
-121	1.049	0.103				-120	-120	-120		-120	-120
-122	1.112	0.103				-122	-122	-122		-122	-122
-123	1.174	0.103				-123	-123	-123		-123	-123
-124	1.237	0.103				-124	-124	-124		-124	-124
-125	1.299	0.103				-125	-125	-125		-125	-125
-126 -127	1.362 1.424	0.103 0.103				-126 -127	-126	-126 -127		-126 -127	-126
-128	1.424	0.103				-127	-127 -128	-128		-127	-127 -128
-129	1.549	0.103				-129	-129	-129		-129	-129
-130	1.612	0.103				-130	-130	-130		-130	-130
-131	1.674	0.103				-131	-131	-131		-131	-131
-132	1.737	0.103				-132	-132	-132		-132	-132
-133 -134	1.799 1.862	0.103				-133	-133	-133		-133	-133
-135	1.925	0.103 0.103				-134 -135	-134 -135	-134 -135		-134 -135	-134 -135
-136	1.987	0.103				-136	-136	-136		-136	-136
-137	2.050	0.103				-137	-137	-137		-137	-137
-138	2.112	0.103				-138	-138	-138	İ	-138	-138
-139	2.175	0.103				-139	-139	-139		-139	-139
-140 -141	2.237 2.300	0.103 0.103				-140 -141	-140	-140 -141		-140	-140
-142	2.362	0.103				-141	-141 -142	-141 -142		-141 -142	-141 -142
-143	2.425	0.103				-143	-143	-143		-143	-143
-144	2.487	0.103				-144	-144	-144		-144	-144
-145	2.550	0.103				-145	-145	-145		-145	-145
-146	2.612	0.103				-146	-146	-146		-146	-146
-147 -148	2.675 2.737	0.103 0.103				-147 -148	-147 -148	-147 -148		-147 -148	-147 -148
-149	2.800	0.103				-149	-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 -155	3.737 3.987	0.103 0.103				-154 -155	-154 -155	-154 -155			-154 -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
-159 160	4.987	0.103				-159	-159	-159			-159
-160 -161	5.237 5.487	0.103 0.103				-160 -161	-160 -161	-160 -161			-160 -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 -169	6.987	0.103 0.103				-167	-167 -169	-167 -169			-167 -168
-168 -169	7.237 7.487	0.103				-168 -169	-168 -169	-168 -169			-168
-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
-175 176	8.987	0.103				-175	-175 -176	-175 176			-175 176
-176 -177	9.237 9.487	0.103 0.103				-176 -177	-176 -177	-176 -177			-176 -177
-177	9.467	0.103				-177	-177	-177			-178
				1							
-179 through -200	O-ring sizes i	not assigned.									

AS 568A Standard Dash No202 -203 -204 -205 -206 -207	Nominal [ID 0.234 0.296	Dimensions W 0.139	AN6227	AN6230	LS4629	MS28775	NAS1593	NAS1594	2()PS1-30-5	M83461/1	M83248/1
-202 -203 -204 -205 -206 -207	0.234		AN0227	ANDZOU	L54629	MS28//5					
-203 -204 -205 -206 -207						-202	147101000	NA3 1394	2()1-31-30-3	1000401/1	-202
-204 -205 -206 -207		0.139				-202					-202
-205 -206 -207	0.359	0.139				-204					-204
-206 -207	0.421	0.139				-205]		-205
	0.484	0.139				-206					-206
	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	-210
-211	0.796	0.139	-16			-211	-211	-211	-211	-211	-211
-212 -213	0.859 0.921	0.139 0.139	-17 -18			-212 -213	-212 -213	-212 -213	-212	-212	-212 -213
-213	0.921	0.139	-18 -19			-213 -214	-213	-213 -214	-213 -214	-213 -214	-213
-215	1.046	0.139	-20			-215	-215	-215	-215	-215	-215
-216	1.109	0.139	-21			-216	-216	-216	-216	-216	-216
-217	1.171	0.139	-22			-217	-217	-217	-217	-217	-217
-218	1.234	0.139	-23			-218	-218	-218	-218	-218	-218
-219	1.296	0.139	-24			-219	-219	-219	-219	-219	-219
-220	1.359	0.139	-25			-220	-220	-220	-220	-220	-220
-221	1.421	0.139	-26			-221	-221	-221	-221	-221	-221
-222	1.484	0.139	-27			-222	-222	-222	-222	-222	-222
-223	1.609	0.139		-1		-223	-223	-223	-223	-223	-223
-224	1.734	0.139		-2		-224	-224	-224	-224	-224	-224
-225 -226	1.859 1.984	0.139		-3 -4		-225 -226	-225	-225 -226	-225 -226	-225 -226	-225 -226
-226 -227	2.109	0.139 0.139		- 4 -5		-226 -227	-226 -227	-226 -227	-226 -227	-226 -227	-226 -227
-228	2.109	0.139		-5 -6		-227	-227	-227	-227	-227 -228	-227
-229	2.359	0.139		-7		-229	-229	-229	-229	-229	-229
-230	2.484	0.139		, -8		-230	-230	-230	-230	-230	-230
-231	2.609	0.139		-9		-231	-231	-231	-231	-231	-231
-232	2.734	0.139		-10		-232	-232	-232	-232	-232	-232
-233	2.859	0.139		-11		-233	-233	-233	-233	-233	-233
-234	2.984	0.139		-12		-234	-234	-234	-234	-234	-234
-235	3.109	0.139		-13		-235	-235	-235	-235	-235	-235
-236	3.234	0.139		-14		-236	-236	-236	-236	-236	-236
-237	3.359	0.139		-15		-237	-237	-237	-237	-237	-237
-238	3.484	0.139		-16		-238	-238	-238	-238	-238	-238
-239 -240	3.609 3.734	0.139 0.139		-17 -18		-239 -240	-239 -240	-239 -240	-239 -240	-239 -240	-239 -240
-241	3.859	0.139		-19		-241	-241	-241	-241	-241	-241
-242	3.984	0.139		-20		-242	-242	-242	-242	-242	-242
-243	4.109	0.139		-21		-243	-243	-243	-243	-243	-243
-244	4.234	0.139		-22		-244	-244	-244	-244	-244	-244
-245	4.359	0.139		-23		-245	-245	-245	-245	-245	-245
-246	4.484	0.139		-24		-246	-246	-246	-246	-246	-246
-247	4.609	0.139		-25		-247	-247	-247	-247	-247	-247
-248	4.734	0.139			-26	-248	-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 -252	5.109 5.234	0.139 0.139			-30	-251 -252	-251 -252	-251 -252	-251 -252		-251 -252
-253	5.359	0.139			-30	-252 -253	-252 -253	-252 -253	-252		-252 -253
-254	5.484	0.139				-253 -254	-253 -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			-38	-260	-260	-260	-260		-260
-261	6.734	0.139				-261	-261	-261	-261		-261
-262	6.984	0.139			-40	-262	-262	-262	-262		-262
-263	7.234	0.139				-263	-263	-263	-263		-263
-264 -265	7.484 7.734	0.139 0.139				-264 -265	-264 -265	-264 -265	-264 -265		-264 -265
-265 -266	7.734 7.984	0.139				-265 -266	-265 -266	-265 -266	-265 -266		-265 -266
-267	8.234	0.139				-267	-267	-267	-267		-267
-268	8.484	0.139	ļ		-46	-268	-268	-268	-268		-268
-269	8.734	0.139	ļ			-269	-269	-269	-269		-269
-270	8.984	0.139	1			-270	-270	-270	-270		-270
-271	9.234	0.139				-271	-271	-271	-271		-271
-272	9.484	0.139			-50	-272	-272	-272	-272		-272
-273	9.734	0.139	1			-273	-273	-273	-273		-273
-274	9.984	0.139	1			-274	-274	-274	-274		-274
-275	10.484	0.139				-275	-275	-275			-275
-276	10.984	0.139				-276	-276	-276			-276
-277	11.484	0.139				-277	-277	-277			-277
-278	11.984	0.139				-278	-278	-278			-278
-279 -280	12.984	0.139				-279	-279 -280	-279 -280			-279 -280
	13.984 14.984	0.139 0.139				-280 -281	-280 -281	-280 -281			-280 -281
-281						-201	-201	-20 I	1		-201

(331114)											
AS 568A Standard Dash No.	Nominal I	Dimensions W	AN6227	AN6230	LS4629	MS28775	NAS1593	NAS1594	2()PS1-30-5	M83461/1	M83248/1
-283	16.955	0.139	ANULLI	AINOZOU	L34028	-283	INVO 1999	11/10/1034	12()1-31-30-3	WI0540 I/ I	-283
-284 -285 through -308	17.955	0.139				-284					-284
-309	0.412	not assigned. 0.210				-309				-	-309
-310	0.475	0.210				-310					-310
-311 -312	0.537 0.600	0.210 0.210				-311 -312					-311 -312
-313	0.662	0.210				-313					-312
-314	0.725	0.210				-314					-314
-315	0.787	0.210				-315					-315
-316 -317	0.850 0.912	0.210 0.210				-316 -317					-316 -317
-318	0.975	0.210				-318					-318
-319 -320	1.037	0.210				-319					-319 -320
-321	1.100 1.162	0.210 0.210				-320 -321					-320
-322	1.225	0.210				-322					-322
-323	1.289	0.210				-323					-323
-324 -325	1.350 1.475	0.210 0.210	-28	1		-324 -325	-325	-325	-325	-325	-324 -325
-326	1.600	0.210	-29			-326	-326	-326	-326	-326	-326
-327	1.725	0.210	-30			-327	-327	-327	-327	-327	-327
-328 -329	1.850 1.975	0.210 0.210	-31 -32			-328 -329	-328 -329	-328 -329	-328 -329	-328 -329	-328 -329
-330	2.100	0.210	-33			-330	-330	-330	-330	-330	-330
-331	2.225	0.210	-34			-331	-331	-331	-331	-331	-331
-332 -333	2.350 2.475	0.210 0.210	-35 -36			-332 -333	-332 -333	-332 -333	-332 -333	-332 -333	-332 -333
-334	2.600	0.210	-37			-334	-334	-334	-334	-334	-334
-335	2.725	0.210	-38			-335	-335	-335	-335	-335	-335
-336 -337	2.850 2.975	0.210 0.210	-39 -40			-336 -337	-336 -337	-336 -337	-336 -337	-336 -337	-336 -337
-338	3.100	0.210	-41			-338	-338	-338	-338	-338	-338
-339	3.225	0.210	-42			-339	-339	-339	-339	-339	-339
-340 -341	3.350 3.475	0.210 0.210	-43 -44			-340 -341	-340 -341	-340 -341	-340 -341	-340 -341	-340 -341
-342	3.600	0.210	-45			-342	-342	-342	-342	-342	-342
-343	3.725	0.210	-46			-343	-343	-343	-343	-343	-343
-344 -345	3.850 3.975	0.210 0.210	-47 -48			-344 -345	-344 -345	-344 -345	-344 -345	-344 -345	-344 -345
-346	4.100	0.210	-49			-346	-346	-346	-346	-346	-346
-347	4.225	0.210	-50			-347	-347	-347	-347	-347	-347
-348 -349	4.350 4.475	0.210 0.210	-51 -52			-348 -349	-348 -349	-348 -349	-348 -349	-348 -349	-348 -349
-350	4.600	0.210				-350	0,0	0.10	0.10	0.0	-350
-351	4.725	0.210				-351					-351
-352 -353	4.850 4.975	0.210 0.210				-352 -353					-352 -353
-354	5.100	0.210				-354					-354
-355 -356	5.225	0.210				-355					-355
-357	5.350 5.475	0.210 0.210				-356 -357					-356 -357
-358	5.600	0.210				-358					-358
-359	5.725	0.210				-359					-359
-360 -361	5.850 5.975	0.210 0.210				-360 -361					-360 -361
-362	6.225	0.210				-362					-362
-363 -364	6.475 6.725	0.210 0.210				-363 -364					-363 -364
-365	6.725	0.210				-364					-364
-366	7.225	0.210				-366					-366
-367 -368	7.475 7.725	0.210				-367 -368					-367 -368
-368 -369	7.725 7.975	0.210 0.210				-368 -369					-368 -369
-370	8.225	0.210				-370					-370
-371 -372	8.475 8.725	0.210				-371 -372					-371 -372
-372 -373	8.725 8.975	0.210 0.210				-372 -373					-372 -373
-374	9.225	0.210				-374					-374
-375	9.475	0.210				-375					-375 -376
-376 -377	9.725 9.975	0.210 0.210				-376 -377					-376 -377
-378	10.475	0.210				-378					-378
-379	10.975	0.210				-379					-379
-380 -381	11.475 11.975	0.210 0.210				-380 -381					-380 -381
-382	12.975	0.210				-382					-382
-383	13.975	0.210				-383					-383
-384 -385	14.975	0.210		1	1	-384					-384
	15.955	0.210				-385					-385

AS 568A	Nominal I	Dimensions									
Standard Dash No.	ID	W	AN6227	AN6230	LS4629	MS28775	NAS1593	NAS1594	2()PS1-30-5	M83461/1	M83248/1
-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			1	-394					-394
-395	25.940	0.210				-395					-395
						-395					-395
-396 through -424		not assigned.				405	405	405	405	405	405
-425	4.475	0.275	-88			-425	-425	-425	-425	-425	-425
-426	4.600	0.275	-53			-426	-426	-426	-426	-426	-426
-427	4.725	0.275	-54		1	-427	-427	-427	-427	-427	-427
-428	4.850	0.275	-55		i	-428	-428	-428	-428	-428	-428
-429	4.975	0.275	-56			-429	-429	-429	-429	-429	-429
-430	5.100	0.275	-57			-430	-430	-430	-430	-430	-430
-431	5.225	0.275	-58	1		-431	-431	-431	-431	-431	-431
-432	5.350	0.275	-59		1	-432	-432	-432	-432	-432	-432
-433	5.475	0.275	-60			-433	-433	-433	-433	-433	-433
-434	5.600	0.275	-61			-434	-434	-434	-434	-434	-434
-435	5.725	0.275	-62			-435	-435	-435	-435	-435	-435
-436	5.850	0.275	-63			-436	-436	-436	-436	-436	-436
-437	5.975	0.275	-64			-437	-437	-437	-437	-437	-437
-438	6.225	0.275	-65			-438	-438	-438	-438	-438	-438
-439	6.475	0.275	-66			-439	-439	-439	-439	-439	-439
-440	6.725	0.275	-67			-440	-440	-440	-440	-440	-440
-441	6.975	0.275	-68		!	-441	-441	-441	-441	-441	-441
-442	7.225	0.275	-69			-442	-442	-442	-442	-442	-442
-443	7.475	0.275	-70			-443	-443	-443	-443	-443	-443
-444	7.725	0.275	-71			-444	-444	-444	-444	-444	-444
-445	7.975	0.275	-72			-445	-445	-445	-445	-445	-445
-446	8.475	0.275	-73			-446	-446	-446	-446	-446	-446
-447	8.975	0.275	-74			-447	-447	-447	-447	-447	-447
-448	9.475	0.275	-75			-448	-448	-448	-448	-448	-448
-449	9.975	0.275	-76			-449	-449	-449	-449	-449	-449
-450	10.475	0.275	-77			-450	-450	-450	-450	-450	-450
-451	10.975	0.275	-78			-451	-451	-451	-451	-451	-451
-452	11.475	0.275	-79	İ		-452	-452	-452	-452	-452	-452
-453	11.975	0.275	-80			-453	-453	-453	-453	-453	-453
-454	12.475	0.275	-81			-454	-453 -454	-454	-454	-454	-453
-454	12.475	0.275	-82			-454	-454 -455	-454	-454 -455	-454 -455	-454 -455
-455 -456	13.475	0.275	-82			-455 -456	-455 -456	-455 -456	-455 -456	-455 -456	-455 -456
	13.475		-83 -84			-456 -457	-456 -457	-456 -457			-456 -457
-457		0.275	-84 -85						-457	-457 450	-457 -458
-458	14.475	0.275		1		-458	-458 450	-458 450	-458	-458 450	
-459	14.975	0.275	-86			-459	-459	-459	-459	-459	-459
-460	15.475	0.275	-87			-460	-460	-460	-460	-460	-460
-461	15.955	0.275				-461					-461
-462	16.455	0.275				-462					-462
-463	16.955	0.275				-463			-		-463
-464	17.455	0.275				-464			1		-464
-465	17.955	0.275				-465					-465
-466	18.455	0.275				-466					-466
-467	18.955	0.275				-467					-467
-468	19.455	0.275				-468					-468
-469	19.955	0.275				-469					-469
-470	20.955	0.275				-470					-470
-471	21.955	0.275				-471					-471
-472	22.940	0.275				-472					-472
-473	23.940	0.275				-473					-473
-474	24.940	0.275				-474					-474
-475	25.940	0.275				-475					-475



Chart 2B-1

SINGLE-TURN BACKUP RINGS for Use With GLAND O-RINGS in MIL-H-5606 and MIL-H-83282 HYDRAULIC FLUIDS

AS 568A		LS456	64		LS4565			MS28774				M8791/1				
Standard Dash No.	Dash No.	ID	Т	W	Dash No.	ID	Т	W	Dash No.	ID	T	W	Dash No.	ID	T	W
-001 through -003	No corres	sponding	backup r	ngs.												i i
-004	1			•					-004	0.109	0.049	0.053	-004	0.076	0.050	0.052
-005					1			1	-005	0.124	0.049	0.053	-005	0.108	0.050	0.052
-006	i i				-1 or -006	0.125	0.054	0.055	-006	0.140	0.049	0.053	-006	0.123	0.050	0.052
-007					-2 or -007	0.156	0.054	0.055	-007	0.171	0.049	0.053	-007	0.154	0.050	0.052
-008					-3 or -008	0.188	0.054	0.055	-008	0.202	0.049	0.053	-008	0.185	0.050	0.052
-009					-4 or -009	0.219	0.054	0.055	-009	0.234	0.049	0.053	-009	0.217	0.050	0.052
-010					-5 or -010	0.250	0.054	0.055	-010	0.265	0.049	0.053	-010	0.248	0.050	0.052
-011					-6 or -011	0.312	0.054	0.055	-011	0.327	0.049	0.053	-011	0.310	0.050	0.052
-012					-7 or -012	0.375	0.054	0.055	-012	0.390	0.049	0.053	-012	0.373	0.050	0.052
-013						0.070	0.00	0.000	-013	0.455	0.049	0.053	-013	0.438	0.050	0.052
-014									-014	0.518	0.049	0.053	-014	0.501	0.050	0.052
-015									-015	0.580	0.049	0.053	-015	0.563	0.050	0.052
-016									-016	0.643	0.049	0.053	-016	0.626	0.050	0.052
-017									-017	0.705	0.049	0.053	-017	0.688	0.050	0.052
-018									-018	0.768	0.049	0.053	-018	0.751	0.050	0.052
-019									-019	0.830	0.049	0.053	-019	0.731	0.050	0.052
-020									-020	0.898	0.049	0.053	-020	0.881	0.050	0.052
-021									-021	0.960	0.049	0.053	-021	0.943	0.050	0.052
-022									-022	1.023	0.049	0.053	-022	1.006	0.050	0.052
-023]								-023	1.085	0.049	0.053	-023	1.068	0.050	0.052
-024									-024	1.148	0.049	0.053	-024	1.131	0.050	0.052
-025									-025	1.210	0.049	0.053	-025	1.193	0.050	0.052
-026									-026	1.273	0.049	0.053	-026	1.256	0.050	0.052
-027									-027	1.335	0.049	0.053	-027	1.318	0.050	0.052
-028									-028	1.398	0.049	0.053	-028	1.381	0.050	0.052
-029 through -109	No corres	spondina	hackun ri	nas					-020	1.000	0.043	0.030	-020	1.001	0.000	0.032
-110	110 001101	sportan ig	backap i		-8 or -110	0.375	0.054	0.088	-110	0.390	0.049	0.086	-110	0.373	0.054	0.086
-111					-9 or -111	0.437	0.054	0.088	-111	0.452	0.049	0.086	-111	0.435	0.054	0.086
-112					-10 or -112	0.500	0.054	0.088	-112	0.515	0.049	0.086	-112	0.498	0.054	0.086
-113					-11 or -113	0.562	0.054	0.088	-113	0.577	0.049	0.086	-113	0.560	0.054	0.086
-114					-12 or -114	0.625	0.054	0.000	-114	0.640	0.049	0.086	-114	0.623	0.054	0.086
-115					-13 or -115	0.688	0.054	0.000	-115	0.702	0.049	0.086	-115	0.685	0.054	0.086
-116					-14 or -116	0.750	0.054	0.088	-116	0.765	0.049	0.086	-116	0.748	0.054	0.086
-117						0.,00	0.004	0.000	-117	0.703	0.049	0.086	-117	0.748	0.054	0.086
-118									-118	0.895	0.049	0.086	-117	0.878	0.054	0.086
-119									-119	0.895	0.049	0.086	-119	0.878	0.054	0.086
-120									-119	1.020	0.049	0.086	-119	1.003	0.054	0.086
-121									-121	1.020	0.049	0.086		1.065	0.054	0.086
-122									-121 -122				-121			
-122										1.145	0.049	0.086	-122	1.128	0.054	0.086
-123									-123	1.207	0.049	0.086	-123	1.190	0.054	0.086
									-124	1.270	0.049	0.086	-124	1.253	0.054	0.086
-125 -106									-125	1.332	0.049	0.086	-125	1.315	0.054	0.086
-126									-126	1.397	0.049	0.086	-126	1.380	0.054	0.086
-127									-127	1.459	0.049	0.086	-127	1.442	0.054	0.086
-128									-128	1.522	0.049	0.086	-128	1.505	0.054	0.086
-129					<u> </u>		l		-129	1.584	0.049	0.086	-129	1.564	0.054	0.086

Chart 2B-1 (contd)

SINGLE-TURN BACKUP RINGS for Use With GLAND O-RINGS in MIL-H-5606 and MIL-H-83282 HYDRAULIC FLUIDS

, , , ,		1.5.45			1								Т			
AS 568A		LS456				LS45				MS287				M879		
Standard Dash No.	Dash No.	ID		W	Dash No.	ID	<u> </u>	W	Dash No.	ID_	T	W	Dash No.	ID	T	W
-130									-130	1.647	0.049	0.086	-130	1.627	0.054	0.086
-131									-131	1.709	0.049	0.086	-131	1.689	0.054	0.086
-132									-132	1.772	0.049	0.086	-132	1.752	0.054	0.086
-133									-133	1.834	0.049	0.086	-133	1.814	0.054	0.086
-134									-134	1.897	0.049	0.086	-134	1.877	0.054	0.086
-135									-135	1.959	0.049	0.086	-135	1.940	0.054	0.086
-136									-136	2.022	0.049	0.086	-136	2.002	0.054	0.086
-137									-137	2.084	0.049	0.086	-137	2.065	0.054	0.086
-138									-138	2.147	0.049	0.086	-138	2.127	0.054	0.086
-139		1			1				-139	2.209	0.049	0.086	-139	2.190	0.054	0.086
-140 through -209	No corre	esponding	backup r	ings.												
-210					-15 or -210	0.750	0.054	0.121	-210	0.766	0.049	0.119	-210	0.748	0.062	0.119
-211					-16 or -211	0.812	0.054	0.121	-211	0.828	0.049	0.119	-211	0.810	0.062	0.119
-212				-	-17 or -212	0.875	0.054	0.121	-212	0.891	0.049	0.119	-212	0.873	0.062	0.119
-213	1				-18 or -213	0.937	0.054	0.121	-213	0.953	0.049	0.119	-213	0.935	0.062	0.119
-214					-19 or -214	1.000	0.054	0.121	-214	1.016	0.049	0.119	-214	0.998	0.062	0.119
-215					-20 or -215	1.062	0.054	0.121	-215	1.078	0.049	0.119	-215	1.060	0.062	0.119
-216			İ		-21 or -216	1.125	0.054	0.121	-216	1.141	0.049	0.119	-216	1.123	0.062	0.119
-217					-22 or -217	1.187	0.054	0.121	-217	1.203	0.049	0.119	-217	1.185	0.062	0.119
-218					-23 or -218	1.250	0.054	0.121	-218	1.266	0.049	0.119	-218	1.248	0.062	0.119
-219					-24 or -219	1.312	0.054	0.121	-219	1.334	0.049	0.119	-219	1.310	0.062	0.119
-220			-		-25 or -220	1.375	0.054	0.121	-220	1.397	0.049	0.119	-220	1.373	0.062	0.119
-221					-26 or -221	1.437	0.054	0.121	-221	1.459	0.049	0.119	-221	1.435	0.062	0.119
-222					-27 or -222	1.500	0.054	0.121	-222	1.522	0.049	0.119	-222	1.498	0.062	0.119
-223	-1	1.625	0.054	0.121	-223	1.625	0.054	0.121	-223	1.647	0.049	0.119	-223	1.625	0.062	0.119
-224	-2	1.750	0.054	0.121	-224	1.750	0.054	0.121	-224	1.772	0.049	0.119	-224	1.750	0.062	0.119
-225	-3	1.875	0.054	0.121	-225	1.875	0.054	0.121	-225	1.897	0.049	0.119	-225	1.875	0.062	0.119
-226	-4	2.000	0.054	0.121	-226	2.000	0.054	0.121	-226	2.022	0.049	0.119	-226	2.000	0.062	0.119
-227	-5	2.125	0.054	0.121	-227	2.125	0.054	0.121	-227	2.147	0.049	0.119	-227	2.125	0.062	0.119
-228	-6	2.250	0.054	0.121	-228	2.250	0.054	0.121	-228	2.272	0.049	0.119	-228	2.250	0.062	0.119
-229	-7	2.375	0.054	0.121	-229	2.375	0.054	0.121	-229	2.397	0.049	0.119	-229	2.375	0.062	0.119
-230	-8	2.500	0.054	0.121	-230	2.500	0.054	0.121	-230	2.522	0.049	0.119	-230	2.500	0.062	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	1							
-245	-23	4.375	0.054	0.121	-245	4.375	0.054	0.121								

Chart 2B-1 (contd)

SINGLE-TURN BACKUP RINGS for Use With GLAND O-RINGS in MIL-H-5606 and MIL-H-83282 HYDRAULIC FLUIDS

AS 568A		LS456	64			LS456	35			M\$287	74		,	M8791	1/1	
Standard Dash No.	Dash No.	ID	Т	W	Dash No.	ID	Т	W	Dash No.	ID	T	W	Dash No.	ID	T	W
-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 corre	sponding	backup ri	ngs.												1 1
-325			'		-28 or -325	1.500	0.067	0.185	-325	1.513	0.070	0.183	-325	1.498	0.088	0.183
-326					-29 or -326	1.625	0.067	0.185	-326	1.636	0.070	0.183	-326	1.623	0.088	0.183
-327					-30 or -327	1.750	0.067	0.185	-327	1.763	0.070	0.183	-327	1.748	0.088	0.183
-328					-31 or -328	1.875	0.067	0.185	-328	1.888	0.070	0.183	-328	1.873	0.088	0.183
-329					-32 or -329	2.000	0.067	0.185	-329	2.013	0.070	0.183	-329	1.998	0.088	0.183
-330					-33 or -330	2.125	0.067	0.185	-330	2.138	0.070	0.183	-330	2.123	0.088	0.183
-331					-34 or -331	2.250	0.067	0.185	-331	2.268	0.070	0.183	-331	2.248	0.088	0.183
-332					-35 or -332	2.375	0.067	0.185	-332	2.393	0.070	0.183	-332	2.373	0.088	0.183
-333					-36 or -333	2.500	0.067	0.185	-333	2.518	0.070	0.183	-333	2.498	0.088	0.183
-334					-37 or -334	2.625	0.067	0.185	-334	2.643	0.070	0.183	-334	2.623	0.088	0.183
-335					-38 or -335	2.750	0.067	0.185	-335	2.768	0.070	0.183	-335	2.748	0.088	0.183
-336					-39 or -336	2.875	0.067	0.185	-336	2.893	0.070	0.183	-336	2.873	0.088	0.183
-337					-40 or -337	3.000	0.067	0.185	-337	3.018	0.070	0.183	-337	2.997	0.088	0.183
-338					-41 or -338	3.125	0.067	0.185	-338	3.143	0.070	0.183	-338	3.122	0.088	0.183
-339					-42 or -339	3.250	0.067	0.185	-339	3.273	0.070	0.183	-339	3.247	0.088	0.183
-340					-43 or -340	3.375	0.067	0.185	-340	3.398	0.070	0.183	-340	3.372	0.088	0.183
-341					-44 or -341	3.500	0.067	0.185	-341	3.523	0.070	0.183	-341	`3.497	0.088	0.183
-342					-45 or -342	3.625	0.067	0.185	-342	3.648	0.070	0.183	-342	3.622	0.088	0.183
-343					-46 or -343	3.750	0.067	0.185	-343	3.773	0.070	0.183	-343	3.747	0.088	0.183
-344					-47 or -344	3.875	0.067	0.185	-344	3.898	0.070	0.183	-344	3.872	0.088	0.183
-345					-48 or -345	4.000	0.067	0.185	-345	4.028	0.070	0.183	-345	3.997	0.088	0.183
-346					-49 or -346	4.125	0.067	0.185	-346	4.153	0.070	0.183	-346	4.122	0.088	0.183
-347					-50 or -347	4.250	0.067	0.185	-347	4.278	0.070	0.183	-347	4.247	0.088	0.183
-348					-51 or -348	4.375	0.067	0.185	-348	4.403	0.070	0.183	-348	4.372	0.088	0.183
-349					-52 or -349	4.500	0.067	0.185	-349	4.528	0.070	0.183	-349	4.497	0.088	0.183
-350 through -424	No corre	sponding	backup r	ngs.												
-425		.			-88 or -425	4.500	0.098	0.238	-425	4.551	0.105	0.237	-425	4.497	0.120	0.236
-426	1				-53 or -426	4.625	0.098	0.238	-426	4.676	0.105	0.237	-426	4.622	0.120	0.236
-427					-54 or -427	4.750	0.098	0.238	-427	4.801	0.105	0.237	-427	4.747	0.120	0.236
-428					-55 or -428	4.875	0.098	0.238	-428	4.926	0.105	0.237	-428	4.872	0.120	0.236
-429					-56 or -429	5.000	0.098	0.238	-429	5.051	0.105	0.237	-429	4.997	0.120	0.236
-430					-57 or -430	5.125	0.098	0.238	-430	5.176	0.105	0.237	-430	5.122	0.120	0.236
-431					-58 or -431	5.250	0.098	0.238	-431	5.301	0.105	0.237	-431	5.247	0.120	0.236
-432					-59 or -432	5.375	0.098	0.238	-432	5.426	0.105	0.237	-432	5.372	0.120	0.236
-433					-60 or -433	5.500	0.098	0.238	-433	5.551	0.105	0.237	-433	5.497	0.120	0.236
-434					-61 or -434	5.625	0.098	0.238	-434	5.676	0.105	0.237	-434	5.622	0.120	0.236
-435					-62 or -435	5.750	0.098	0.238	-435	5.801	0.105	0.237	-435	5.747	0.120	0.236
-436	1				-63 or -436	5.875	0.098	0.238	-436	5.926	0.105	0.237	-436	5.872	0.120	0.236
-437					-64 or -437	6.000	0.098	0.238	-437	6.051	0.105	0.237	-437	5.997	0.120	0.236
-438					-65 or -438	6.250	0.098	0.238							-	
-439					-66 or -439	6.500	0.098	0.238								
-440				1	-67 or -440	6.750	0.098	0.238			1					
-441					-68 or -441	7.000	0.098	0.238								
-442					-69 or -442	7.250	0.098	0.238								

Chart 2B-1 (contd)

SINGLE-TURN BACKUP RINGS for Use With GLAND O-RINGS in MIL-H-5606 and MIL-H-83282 HYDRAULIC FLUIDS (contd)

AS 568A		LS45	64			LS456	3 5			M\$287	774			M879	1/1	
Standard Dash No.	Dash No.	ID	T	W	Dash No.	ID	T	W	Dash No.	ID	Т	W	Dash No.	ID	T	W
-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								
-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							1	1
-459					-86 or -459	15.000	0.098	0.238								
-460					-87 or -460	15.500	0.098	0.238								
-461 through -475	No corre	sponding	backup r	ings.												



Chart 2B-2

DOUBLE-TURN BACKUP RINGS for Use With GLAND O-RINGS in MIL-H-5606 and MIL-83282 HYDRAULIC FLUIDS

AS 568A		MS2	8782			MS2	8783	
Standard Dash No.	Dash No.	ID	T	W	Dash No.	ID	T T	w
-001 through -005		o correspondi	ng backup rin			<u>.</u>		1
-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		correspondii						
-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				
		correspondii						
-117 through -209 -210	-15	0.750						
-210 -211	-15 -16	0.750	0.027 0.027	0.121				
		0.812		0.121				
-212	-17		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		4 005	0.007	0.400
-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
-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	correspondir	ng backup rin	gs.				
-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				

Chart 2B-2 (contd)

DOUBLE-TURN BACKUP RINGS for Use With GLAND O-RINGS in MIL-H-5606 and MIL-H-83282 HYDRAULIC FLUIDS

AS 568A		Mea	8782		1	MCO	0700	
Standard Dash No.	Dash No.	ID	702 T	W	Dash No.	ID IVISZ	8783 T	W
-330	-33	2.125	0.034	0.185	Dasii No.	וט	l	<u> </u>
-331	-34	2.250	0.034	0.185				
-332	-35	2.230	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	2.750	0.034					
-337	-40	3.000	0.034	0.185 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	correspondir	ng backup ring	js.				
-425	-88	4.500	0.049	0.238				
-426	-53	4.625	0.049	0.238				
-427	-54	4.750	0.049	0.238	i i			
-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	-70 -71	7.750	0.049	0.238				
-445	-71 -72	8.000	0.049	0.238				
-446	-72 -73	8.500	0.049	0.238				
-447	-73 -74	9.000	0.049	0.238				
-447 -448	-74 -75	9.500	0.049					
-448 -449				0.238				
1	-76	10.000	0.049	0.238				
-450 451	-77 70	10.500	0.049	0.238		į		
-451 450	-78 -70	11.000	0.049	0.238				
-452 450	-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	correspondir	ig backup ring	js.				

Chart 2B-3

CONTINUOUS BACKUP RINGS for Use With GLAND O-RINGS in MIL-H-5606 and MIL-H-83282 HYDRAULIC FLUIDS

AS 568A MS27595	
	W
	0.088
-005 -006 -006 0.125 0.050 0.055 -210 -210 0.753 0.056 0.065 -007 -007 0.156 0.050 0.055 -211 -211 0.815 0.056 0.056 0.065 0.065 -211 0.815 0.956 0.056 0.056 0.055 0.06	
-007	0.119
-008	0.119
-009	0.119
-010	0.119
-011	0.119
-012 -012 0.375 0.050 0.055	0.119
-013	0.119
-014	0.119
-015	0.119
-016	0.119
-017	0.119
-018	0.119
-019	0.119
-020	0.119
-021	0.119
-022	0.119 0.119
-023	0.119
-024	0.119
-025	0.119
-026	0.119
-027	0.119
-028	0.119
-029 through -109 -110 -110 -110 -111 -111 -111 -111	0.119
-110	0.119
-111	0.119
-112	0.119
-113	0.119
-114	0.119
-115	0.119
-116	0.119
-117	0.119
-118	0.119
-119	0.119
-120	0.119
-122	0.119
-123	0.119
-124 -124 1.252 0.050 0.088 -325 -325 1.497 0.073 -125 -125 1.315 0.050 0.088 -326 -326 1.622 0.073 -126 -126 1.377 0.050 0.088 -327 -327 1.748 0.073 -127 -127 1.440 0.050 0.088 -328 -328 1.873 0.073 -128 -128 1.502 0.050 0.088 -329 -329 1.998 0.073 -129 -129 1.565 0.050 0.088 -330 -330 2.123 0.073 -130 -130 1.629 0.050 0.088 -331 -331 2.248 0.073 -131 -131 1.691 0.050 0.088 -332 -332 2.373 0.073 -132 -132 1.754 0.050 0.088 -333 -333 2.349 0.073 -133 -13	0.119
-125 -125 1.315 0.050 0.088 -326 -326 1.622 0.073 -126 -126 1.377 0.050 0.088 -327 -327 1.748 0.073 -127 -127 1.440 0.050 0.088 -328 -328 1.873 0.073 -128 -128 1.502 0.050 0.088 -329 -329 1.998 0.073 -129 -129 1.565 0.050 0.088 -330 -330 2.123 0.073 -130 -130 1.629 0.050 0.088 -331 -331 2.248 0.073 -131 -131 1.691 0.050 0.088 -332 -332 2.373 0.073 -132 -132 1.754 0.050 0.088 -332 -332 2.498 0.073 -133 -133 1.816 0.050 0.088 -334 -334 2.623 0.073 -134 -13	
-126 -126 1.377 0.050 0.088 -327 -327 1.748 0.073 -127 -127 1.440 0.050 0.088 -328 -328 1.873 0.073 -128 -128 1.502 0.050 0.088 -329 -329 1.998 0.073 -129 -129 1.565 0.050 0.088 -330 -330 2.123 0.073 -130 -130 1.629 0.050 0.088 -331 -331 2.248 0.073 -131 -131 1.691 0.050 0.088 -332 -332 2.373 0.073 -132 -132 1.754 0.050 0.088 -332 -332 2.373 0.073 -133 -133 1.816 0.050 0.088 -333 -333 2.498 0.073 -134 -134 1.879 0.050 0.088 -335 -335 2.748 0.073 -135 -13	0.185
-127 -127 1.440 0.050 0.088 -328 -328 1.873 0.073 -128 -128 1.502 0.050 0.088 -329 -329 1.998 0.073 -129 -129 1.565 0.050 0.088 -330 -330 2.123 0.073 -130 -130 1.629 0.050 0.088 -331 -331 2.248 0.073 -131 -131 1.691 0.050 0.088 -332 -332 2.373 0.073 -132 -132 1.754 0.050 0.088 -333 -333 2.498 0.073 -133 -133 1.816 0.050 0.088 -334 -334 2.623 0.073 -134 -134 1.879 0.050 0.088 -335 -335 2.748 0.073 -135 -135 1.942 0.050 0.088 -336 -336 2.873 0.073	0.185
-128 -128 1.502 0.050 0.088 -329 -329 1.998 0.073 -129 -129 1.565 0.050 0.088 -330 -330 2.123 0.073 -130 -130 1.629 0.050 0.088 -331 -331 2.248 0.073 -131 -131 1.691 0.050 0.088 -332 -332 2.373 0.073 -132 -132 1.754 0.050 0.088 -333 -333 2.498 0.073 -133 -133 1.816 0.050 0.088 -334 -334 2.623 0.073 -134 -134 1.879 0.050 0.088 -335 -335 2.748 0.073 -135 -135 1.942 0.050 0.088 -336 -336 2.873 0.073	0.185
-129 -129 1.565 0.050 0.088 -330 -330 2.123 0.073 -130 -130 1.629 0.050 0.088 -331 -331 2.248 0.073 -131 -131 1.691 0.050 0.088 -332 -332 2.373 0.073 -132 -132 1.754 0.050 0.088 -333 -333 2.498 0.073 -133 -133 1.816 0.050 0.088 -334 -334 2.623 0.073 -134 -134 1.879 0.050 0.088 -335 -335 2.748 0.073 -135 -135 1.942 0.050 0.088 -336 -336 2.873 0.073	0.185
-130 -130 1.629 0.050 0.088 -331 -331 2.248 0.073 -131 -131 1.691 0.050 0.088 -332 -332 2.373 0.073 -132 -132 1.754 0.050 0.088 -333 -333 2.498 0.073 -133 -133 1.816 0.050 0.088 -334 -334 2.623 0.073 -134 -134 1.879 0.050 0.088 -335 -335 2.748 0.073 -135 -135 1.942 0.050 0.088 -336 -336 2.873 0.073	0.185
-131 -131 1.691 0.050 0.088 -332 -332 2.373 0.073 -132 -132 1.754 0.050 0.088 -333 -333 2.498 0.073 -133 -133 1.816 0.050 0.088 -334 -334 2.623 0.073 -134 -134 1.879 0.050 0.088 -335 -335 2.748 0.073 -135 -135 1.942 0.050 0.088 -336 -336 2.873 0.073	0.185
-132 -132 1.754 0.050 0.088 -333 -333 2.498 0.073 -133 -133 1.816 0.050 0.088 -334 -334 2.623 0.073 -134 -134 1.879 0.050 0.088 -335 -335 2.748 0.073 -135 -135 1.942 0.050 0.088 -336 -336 2.873 0.073	0.185
-133 -133 1.816 0.050 0.088 -334 -334 2.623 0.073 -134 -134 1.879 0.050 0.088 -335 -335 2.748 0.073 -135 -135 1.942 0.050 0.088 -336 -336 2.873 0.073	0.185
-134	0.185
-135	0.185
	0.185
: -136 -136 2400 1000 1008 (-337 -337 7008 1007	0.185 0.185
	0.185
	0.185
100	0.185
	1
-142 -142 2.379 0.050 0.088 -343 -343 3.748 0.073 -143 -143 2.442 0.050 0.088 -344 -344 3.873 0.073	0.185
-144 -144 2.504 0.050 0.088 -345 -345 3.998 0.073	
-144 2.504 0.050 0.088 -345 -346 3.338 0.073 -145 -145 2.567 0.050 0.088 -346 4.123 0.073	0.185
-145 -145 2.567 0.050 0.086 -347 -347 4.248 0.073	0.185
-147 -147 2.692 0.050 0.088 -348 -348 4.373 0.073	0.185
-148 -148 2.754 0.050 0.088 -349 -349 4.498 0.073	

Chart 2B-3 (contd)

CONTINUOUS BACKUP RINGS for Use With GLAND O-RINGS in MIL-H-5606 and MIL-H83282 HYDRAULIC FLUIDS

ASA 568A		MS27	595		AS 568A		MS27	595	
Standard Dash No.	Dash No.	ID	T	W	Standard Dash No.	Dash No.	ID	Т	W
-350 through -424	No cor	responding	backup ri	ngs.	-443	-443	7.502	0.108	0.236
-425	-425	4.502	0.108	0.236	-444	-444	7.752	0.108	0.236
-426	-426	4.627	0.108	0.236	-445	-445	8.002	0.108	0.236
-427	-427	4.752	0.108	0.236	-446	-446	8.502	0.108	0.236
-428	-428	4.877	0.108	0.236	-447	-447	9.002	0.108	0.236
-429	-429	5.002	0.108	0.236	-448	-448	9.502	0.108	0.236
-430	-430	5.127	0.108	0.236	-449	-449	10.002	0.108	0.236
-431	-431	5.252	0.108	0.236	-450	-450	10.502	0.108	0.236
-432	-432	5.377	0.108	0.236	-451	-451	11.002	0.108	0.236
-433	-433	5.502	0.108	0.236	-452	-452	11.502	0.108	0.236
-434	-434	5.627	0.108	0.236	-453	-453	12.002	0.108	0.236
-435	-435	5.752	0.108	0.236	-454	-454	12.502	0.108	0.236
-436	-436	5.877	0.108	0.236	-455	-455	13.002	0.108	0.236
-437	-437	6.002	0.108	0.236	-456	-456	13.502	0.108	0.236
-438	-438	6.252	0.108	0.236	-457	-457	14.002	0.108	0.236
-439	-439	6.502	0.108	0.236	-458	-458	14.502	0.108	0.236
-440	-440	6.752	0.108	0.236	-459	-459	15.002	0.108	0.236
-441	-441	7.002	0.108	0.236	-460	-460	15.502	0.108	0.236
-442	-442	7.252	0.108	0.236	 -461 through -475	No cor	responding	backup ri	ngs

Chart 2C

10.5001							T	T
AS 568A		minal Dimensi	ons	4410005	104004	14000770	OTODICOCO	0())1400 00
Standard Dash No.	TUBE OD	ID	W	AN6290	LS4634	MS28778	STSPK300	3()N168-80
-901	3/32	0.185	0.056			•		-901
-902	1/8	0.239	0.064	-2	-2	-2	-02	-902
-903	3/16	0.301	0.064	-3	-3	-3	-03	-903
-904	1/4	0.351	0.072	-4	-4	-4	-04	-904
-905	5/16	0.414	0.072	-5	-5	-5	-05	-905
-906	3/8	0.468	0.078	-6	-6	-6	-06	-906
-907	7/16	0.530	0.082					-907
-908	1/2	0.644	0.087	-8	-8	-8	-08	-908
-909	9/16	0.706	0.097					-909
-910	5/8	0.755	0.097	-10	-10	-10	-10	-910
-911	11/16	0.863	0.116					-911
-912	3/4	0.924	0.116	-12	-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	-16	-16	-916
-918	1-1/8	1.355	0.116					-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
AS 568A	No	minal Dimensi						
Standard Dash No.	TUBE OD	ID	W	3()N756-76	3()PS1-30-5	NAS1595	NAS1596	M83248/2
-901	3/32	0.185	0.056	-901	-901			-901
-902	1/8	0.239	0.064	-902	-902	-2	-2	-902
-903	3/16	0.301	0.064	-903	-903	-3	-3	-903
-904	1/4	0.351	0.072	-904	-904	-4	-4	-904
-905	5/16	0.414	0.072	-905	-905	-5	-5	-905
-906	3/8	0.468	0.078	-906	-906	-6	-6	-906
-907	7/16	0.530	0.082	-907	-907			-907
-908	1/2	0.644	0.087	-908	-908	-8	-8	-908
-909	9/16	0.706	0.097	-909	-909			-909
-910	5/8	0.755	0.097	-910	-910	-10	-10	-910
-911	11/16	0.863	0.116	-911	-911			-911
-912	3/4	0.924	0.116	-912	-912	-12	-12	-912
-913	13/16	0.986	0.116	-913	-913			-913
-914	7/8	1.047	0.116	-914	-914			-914
-916	1	1.171	0.116	-916	-916	-16	-16	-916
-918	1-1/8	1.355	0.116	-918	-918			-918
000					000	00		-920
-920	1-1/4	1.475	0.118	-920	-920	-20	-20	
-924	1-1/4 1-1/2	1.475 1.720	0.118	-924	-924	-24	-24	-924
	1-1/4	1.475						

Chart 2D

BACKUP RINGS for Use With BOSS O-RINGS in MIL-H-5606 and MIL-H-83282 HYDRAULIC FLUIDS

AS 568A	NOMINAL		LS4	764			MS9	058	
Standard Dash No.	TUBE OD	DASH NO.	ID	Т	W	DASH NO.	ID	Т	W
-901	3/32								
-902	1/8					-02	0.246	0.056	0.112
-903	3/16	-3	0.308	0.045	0.116	-03	0.309	0.056	0.112
-904	1/4	-4	0.360	0.051	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
-906	3/8	-6	0.478	0.051	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
-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
-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
-913	13/16								
-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
-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
-924	1-1/2	-24	1.752	0.063	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
-932	2	-32	2.377	0.063	0.169	-32	2.377	0.073	0.169

AS 568A	NOMINAL		MS2	8773	
Standard Dash No.	TUBE OD	DASH NO.	ID	T	W
-901	3/32				
-902	1/8	-02	0.246	0.056	0.112
-903	3/16	-03	0.309	0.056	0.112
-904	1/4	-04	0.360	0.061	0.117
-905	5/16	-05	0.423	0.061	0.117
-906	3/8	-06	0.478	0.061	0.121
- 907	7/16				
-908	1/2	-08	0.656	0.061	0.125
-909	9/16				
-910	5/8	-10	0.769	0.073	0.131
-911	11/16				1
-912	3/4	-12	0.941	0.073	0.169
-913	13/16				
-914	7/8				
-916	1	-16	1.191	0.073	0.169
-918	1-1/8				
-920	1-1/4	-20	1.503	0.073	0.169
-924	1-1/2	-24	1.752	0.073	0.169
-928	1-3/4	-28	2.127	0.073	0.169
-932	2	-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	Nominal [Dimensions	AN123856 to		1		1				
Standard Dash No.	ID	W	AN123934	LS5041	MS9241	MS29561	M25988/1	M83248/1	NAS1593	NAS1594	AS3551
-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	-004
-005	0.101	0.070			-005	-005	-005	-005	-005	-005	-005
-006	0.114	0.070	AN123856		-006	-006	-006	-006	-006	-006	-006
-007	0.145	0.070	AN123857		-007	-007	-007	-007	-007	-007	-007
-008	0.176	0.070	AN123858	-31	-008	-007	-008	-008	-007		
										-008	-008
-009	0.208	0.070	AN123859	-29	-009	-009	-009	-009	-009	-009	-009
-010	0.239	0.070	AN123860	-36	-010	-010	-010	-010	-010	-010	-010
-011	0.301	0.070	AN123861		-011	-011	-011	-011	-011	-011	-011
-012	0.364	0.070	AN123862		-012	-012	-012	-012	-012	-012	-012
-013	0.426	0.070		-32	-013	-013	-013	-013	-013	-013	-013
-014	0.489	0.070			-014	-014	-014	-014	-014	-014	-014
-015	0.551	0.070			-015	-015	-015	-015	-015	-015	-015
-016	0.614	0.070			-016	-016	-016	-016	-016	-016	-016
-017	0.676	0.070			-017	-017	-017	-017	-017	-017	-017
-018	0.739	0.070			-018	-018	-018	-018	-018	-018	-018
-019	0.801	0.070			-019	-019	-019	-019	-019	-019	-019
-020	0.864	0.070			-020	-020	-020	-020	-020	-020	-020
-021	0.926	0.070			-021	-021	-021	-021	-021	-021	-021
-022	0.989	0.070			-022	-022	-022	-022	-022	-022	-022
-023	1.051	0.070			-023	-023	-023	-023	-022	-022	-022
-024	1.114	0.070			-023	-023	-023				
								-024	-024	-024	-024
-025	1.176	0.070			-025	-025	-025	-025	-025	-025	-025
-026	1.239	0.070			-026	-026	-026	-026	-026	-026	-026
-027	1.301	0.070			-027	-027	-027	-027	-027	-027	-027
-028	1.364	0.070			-028	-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			-102
-103	0.081	0.103]		-103		-103	-103			-103
-104	0.112	0.103			-104		-104	-104			-104
-105	0.143	0.103			-105		-105	-105			-105
-106	0.174	0.103			-106		-106	-106			-106
-107	0.206	0.103			-107		-107	-107			-107
-108	0.237	0.103			-108		-108	-107			-108
-109	0.299	0.103			-109		-109	-109			-109
-110	0.299	0.103	AN123863		-110	-110	-110	-110	-110	-110	-110
-111	0.362		AN123864								
		0.103		27	-111	-111	-111	-111	-111	-111	-111
-112	0.487	0.103	AN123865	-37	-112	-112	-112	-112	-112	-112	-112
-113	0.549	0.103	AN123866	-28	-113	-113	-113	-113	-113	-113	-113
-114	0.612	0.103	AN123867		-114	-114	-114	-114	-114	-114	-114
-115	0.674	0.103	AN123868	-41	-115	-115	-115	-115	-115	-115	-115
-116	0.707	0.103	AN123869	-1	-116	-116	-116	-116	-116	-116	-116
-117	0.737	0.400	1		-117	-117	-117	-117	-117	-117	-117
-118	0.799	0.103			-118	-118	-118	-118	-118	-118	-118
		0.103							-119		
-119	0.799				-119	-119	-119	-119	ו פוזיין	-119	-119
-119	0.799 0.862 0.924	0.103 0.103						-119 -120		-119 -120	-119 -120
-119 -120	0.799 0.862 0.924 0.987	0.103 0.103 0.103			-120	-120	-120	-120	-120	-120	-120
-119 -120 -121	0.799 0.862 0.924 0.987 1.049	0.103 0.103 0.103 0.103		-30	-120 -121						
-119 -120 -121 -122	0.799 0.862 0.924 0.987 1.049 1.112	0.103 0.103 0.103 0.103 0.103		-30	-120 -121 -122						
-119 -120 -121 -122 -123	0.799 0.862 0.924 0.987 1.049 1.112 1.174	0.103 0.103 0.103 0.103 0.103 0.103		-30	-120 -121 -122 -123						
-119 -120 -121 -122 -123 -124	0.799 0.862 0.924 0.987 1.049 1.112 1.174 1.237	0.103 0.103 0.103 0.103 0.103 0.103 0.103		-30	-120 -121 -122 -123 -124						
-119 -120 -121 -122 -123 -124 -125	0.799 0.862 0.924 0.987 1.049 1.112 1.174 1.237 1.299	0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103		-30	-120 -121 -122 -123 -124 -125						
-119 -120 -121 -122 -123 -124 -125 -126	0.799 0.862 0.924 0.987 1.049 1.112 1.174 1.237 1.299 1.362	0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103		-30	-120 -121 -122 -123 -124 -125 -126						
-119 -120 -121 -122 -123 -124 -125 -126 -127	0.799 0.862 0.924 0.987 1.049 1.112 1.174 1.237 1.299 1.362 1.424	0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103		-30	-120 -121 -122 -123 -124 -125 -126 -127						
-119 -120 -121 -122 -123 -124 -125 -126 -127 -128	0.799 0.862 0.924 0.987 1.049 1.112 1.174 1.237 1.299 1.362 1.424 1.487	0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103			-120 -121 -122 -123 -124 -125 -126 -127 -128						
-119 -120 -121 -122 -123 -124 -125 -126 -127 -128 -129	0.799 0.862 0.924 0.987 1.049 1.112 1.174 1.237 1.299 1.362 1.424 1.487	0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103		-30	-120 -121 -122 -123 -124 -125 -126 -127 -128 -129	-120 -121 -122 -123 -124 -125 -126 -127 -128 -129	-120 -121 -122 -123 -124 -125 -126 -127 -128 -129	-120 -121 -122 -123 -124 -125 -126 -127 -128 -129	-120 -121 -122 -123 -124 -125 -126 -127 -128 -129	-120 -121 -122 -123 -124 -125 -126 -127 -128 -129	-120 -121 -122 -123 -124 -125 -126 -127 -128 -129
-119 -120 -121 -122 -123 -124 -125 -126 -127 -128	0.799 0.862 0.924 0.987 1.049 1.112 1.174 1.237 1.299 1.362 1.424 1.487	0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103 0.103			-120 -121 -122 -123 -124 -125 -126 -127 -128						

GLAND O-RINGS for Use in MIL-L-7808 and MIL-L-23699 LUBRICATING OILS

(conta)											
AS 568A	Nominal [Dimensions	AN123856 to								
Standard Dash No.	ID	W	AN123934	LS5041	MS9241	MS29561	M25988/1	M83248/1	NAS1593	NAS1594	AS3551
-132	1.737	0.103			-132	-132	-132	-132	-132	-132	-132
-133	1.799	0.103			-133	-133	-133	-133	-133	-133	-133
-134	1.862	0.103			-134	-134	-134	-134	-134	-134	-134
-135	1.925	0.103	1		-135	-135	-135	-135	-135	-135	-135
-136	1.987	0.103	1		-136	-136	-136	-136	-136	-136	-136
-137	2.050	0.103	1		-137	-137	-137	-137	-137	-137	-137
-138	2.112	0.103		-2	-138	-138	-138	-138	-138	-138	-138
-139	2.175	0.103			-139	-139	-139	-139	-139	-139	-139
-140	2.237	0.103			-140	-140	-140	-140	-140	-140	-140
-141	2.300	0.103			-141	-141	-141	-141	-141	-141	-141
-142	2.362	0.103			-142	-142	-142	-142	-142	-142	-142
-143	2.425	0.103		-3	-143	-143	-143	-143	-143	-143	-143
-144	2.487	0.103	1		-144	-144	-144	-144	-144	-144	-144
-145	2.550	0.103			-145	-145	-145	-145	-145	-145	-145
-146	2.612	0.103			-146	-146	-146	-146	-146	-146	-146
-147	2.675	0.103			-147	-147	-147	-147	-147	-147	-147
-148	2.737	0.103			-148	-148	-148	-148	-148	-148	-148
-149	2.800	0.103			-149	-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	1		-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	1		-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		not assigned.									
-201	0.171	0.139			-201		-201	-201			-201
-202	0.234	0.139			-202		-202	-202			-202
-203	0.296	0.139			-203		-203	-203			-203
-204	0.359	0.139			-204		-204	-204			-204
-205	0.421	0.139			-205		-205	-205			-205
-206	0.484	0.139			-206		-206	-206			-206
-207	0.546	0.139			-207		-207	-207			-207
-208	0.609	0.139			-208		-208	-208			-208
-209	0.671	0.139			-209		-209	-209			-209
-210	0.734	0.139	AN123870		-210	-210	-210	-210	-210	-210	-210
-211	0.796	0.139	AN123871		-211	-211	-211	-211	-211	-211	-211
-212	0.859	0.139	AN123872		-212	-212	-212	-212	-212	-212	-212
-213	0.921	0.139	AN123873		-213	-213	-213	-213	-213	-213	-213
-214	0.984	0.139	AN123874	4-	-214	-214	-214	-214	-214	-214	-214
-215	1.046	0.139	AN123875	-42	-215	-215	-215	-215	-215	-215	-215
-216	1.109	0.139	AN123876	2.4	-216	-216	-216	-216	-216	-216	-216
-217	1.171	0.139	AN123877	-34	-217	-217	-217	-217	-217	-217	-217
-218	1.234	0.139	AN123878	-35	-218	-218	-218	-218	-218	-218	-218
-219	1.296	0.139	AN123879		-219	-219	-219	-219	-219	-219	-219
-220	1.359	0.139	AN123880		-220	-220	-220	-220	-220	-220	-220
-221	1.421	0.139	AN123881		-221	-221	-221	-221	-221	-221	-221
-222	1.484	0.139	AN123882		-222	-222	-222	-222	-222	-222	-222
-223	1.609	0.139	AN123883	-9	-223	-223	-223	-223	-223	-223	-223
-224	1.734	0.139	AN123884		-224	-224	-224	-224	-224	-224	-224
-225	1.859	0.139	AN123885		-225	-225	-225	-225	-225	-225	-225
-226	1.984	0.139	AN123886		-226	-226	-226	-226	-226	-226	-226
-227	2.109	0.139	AN123887	-38	-227	-227	-227	-227	-227	-227	-227
-228	2.234	0.139	AN123888	-10	-228	-228	-228	-228	-228	-228	-228
	2.359	0.139	AN123889		-229	-229	-229	-229	-229	-229	-229
-229											
-229 -230	2.484	0.139	AN123890	-33	-230	-230	-230	-230	-230	-230	-230
-229 -230 -231	2.484 2.609	0.139 0.139	AN123891	-26	-231	-231	-231	-231	-231	-231	-231
-229 -230	2.484	0.139									

GLAND O-RINGS for Use in MIL-L-7808 and MIL-L-23699 LUBRICATING OILS

(oonta)											
AS 568A		Dimensions	AN123856 to								
Standard Dash No. -234	1D 2.984	0.139	AN123934 AN123894	LS5041	MS9241 -234	MS29561 -234	M25988/1 -234	M83248/1 -234	NAS1593 -234	NAS1594 -234	AS3551 -234
-235	3.109	0.139	AN123895		-235	-235	-235	-235	-235	-235	-235
-236	3.234	0.139	AN123896		-236	-236	-236	-236	-236	-236	-236
-237	3.359	0.139	AN123897		-237	-237	-237	-237	-237	-237	-237
-238	3.484	0.139	AN123898		-238	-238	-238	-238	-238	-238	-238
-239 -240	3.609 3.734	0.139 0.139	AN123899 AN123900		-239 -240	-239 -240	-239 -240	-239 -240	-239 -240	-239 -240	-239 -240
-241	3.859	0.139	AN123901		-241	-241	-241	-241	-241	-241	-241
-242	3.984	0.139	AN123902		-242	-242	-242	-242	-242	-242	-242
-243	4.109	0.139	AN123903		-243	-243	-243	-243	-243	-243	-243
-244	4.234	0.139	AN123904	-20	-244	-244	-244	-244	-244	-244	-244
-245 -246	4.359 4.484	0.139 0.139	AN123905 AN123906		-245 -246	-245 -246	-245 -246	-245 -246	-245 -246	-245 -246	-245 -246
-247	4.609	0.139	AN123907	-24	-247	-247	-247	-247	-247	-247	-247
-248	4.734	0.139	AN123908		-248	-248	-248	-248	-248	-248	-248
-249	4.859	0.139	AN123909		-249	-249	-249	-249	-249	-249	-249
-250	4.984	0.139	AN123910		-250	-250	-250	-250	-250	-250	-250
-251 -252	5.109 5.234	0.139 0.139	AN123911 AN123912		-251 -252	-251 -252	-251 -252	-251 -252	-251 -252	-251 -252	-251 -252
-253	5.359	0.139	AN123913	-11	-253	-253	-253	-253	-253	-253	-253
-254	5.484	0.139	AN123914		-254	-254	-254	-254	-254	-254	-254
-255	5.609	0.139	AN123915		-255	-255	-255	-255	-255	-255	-255
-256	5.734	0.139	AN123916		-256	-256	-256	-256	-256	-256	-256
-257 -258	5.859 5.984	0.139 0.139	AN123917 AN123918		-257 -258	-257 -258	-257 -258	-257 -258	-257 -258	-257 -258	-257 -258
-259	6.234	0.139	AN123910 AN123919		-259	-259	-259	-259	-258	-258	-258 -259
-260	6.484	0.139	AN123920		-260	-260	-260	-260	-260	-260	-260
-261	6.734	0.139	AN123921		-261	-261	-261	-261	-261	-261	-261
-262	6.984	0.139	AN123922	-25	-262	-262	-262	-262	-262	-262	-262
-263 -264	7.234 7.484	0.139 0.139	AN123923 AN123924	-21	-263 -264	-263 -264	-263 -264	-263 -264	-263 -264	-263 -264	-263 -264
-265	7.734	0.139	AN123925		-265	-265	-265	-265	-265	-265	-265
-266	7.984	0.139	AN123926		-266	-266	-266	-266	-266	-266	-266
-267	8.234	0.139	AN123927		-267	-267	-267	-267	-267	-267	-267
-268	8.484	0.139	AN123928		-268	-268	-268	-268	-268	-268	-268
-269 -270	8.734 8.984	0.139 0.139	AN123929 AN123930		-269 -270	-269 -270	-269 -270	-269 -270	-269 -270	-269 -270	-269 -270
-271	9.234	0.139	AN123931		-271	-271	-271	-271	-271	-271	-271
-272	9.484	0.139	AN123932		-272	-272	-272	-272	-272	-272	-272
-273	9.734	0.139	AN123933		-273	-273	-273	-273	-273	-273	-273
-274 -275	9.984 10.484	0.139 0.139	AN123934		-274	-274	-274	-274	-274	-274	-274
-276	10.484	0.139			-275 -276		-275 -276	-275 -276	-275 -276	-275 -276	-275 -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 -281	13.984 14.984	0.139 0.139			-280 -281		-280 -281	-280 -281	-280 -281	-280 -281	-280 -281
-282	15.955	0.139			-282		-282	-282	-201	-201	-282
-283	16.955	0.139			-283		-283	-283			-283
-284	17.955	0.139			-284		-284	-284			-284
-285 through -308		not assigned.			200		200	000			200
-309 -310	0.412 0.475	0.210 0.210			-309 -310		-309 -310	-309 -310			-309 -310
-311	0.537	0.210			-311		-311	-311			-311
-312	0.600	0.210			-312		-312	-312			-312
-313	0.662	0.210			-313		-313	-313			-313
-314 -315	0.725 0.787	0.210			-314		-314 -315	-314			-314 -315
-315 -316	0.787	0.210 0.210			-315 -316		-315 -316	-315 -316			-315 -316
-317	0.912	0.210			-317		-317	-317			-317
-318	0.975	0.210			-318		-318	-318			-318
-319	1.037	0.210			-319		-319	-319			-319
-320 -321	1.100	0.210			-320		-320 -321	-320 -321			-320 -321
-321 -322	1.162 1.225	0.210 0.210			-321 -322		-321	-321			-321
-323	1.289	0.210			-323		-323	-323			-323
-324	1.350	0.210			-324		-324	-324			-324
-325	1.475	0.210		-12	-325	-325	-325	-325	-325	-325	-325
-326 -327	1.600 1.725	0.210 0.210			-326 -327	-326 -327	-326 -327	-326 -327	-326 -327	-326 -327	-326 -327
-328	1.725	0.210			-327	-327	-327	-327	-327 -328	-327	-327
-329	1.975	0.210		-18	-329	-329	-329	-329	-329	-329	-329
-330	2.100	0.210			-330	-330	-330	-330	-330	-330	-330
-331	2.225	0.210			-331	-331	-331	-331	-331	-331	-331
-332 -333	2.350 2.475	0.210 0.210		-19	-332 -333	-332 -333	-332 -333	-332 -333	-332 -333	-332 -333	-332 -333
-334	2.475	0.210		-19	-334	-334	-334	-334	-334	-334	-334
-335	2.725	0.210			-335	-335	-335	-335	-335	-335	-335
-336	2.850	0.210			-336	-336	-336	-336	-336	-336	-336
-337	2.975	0.210			-337	-337	-337	-337	-337	-337	-337

GLAND O-RINGS for Use in MIL-L-7808 and MIL-L-23699 LUBRICATING OILS

AS 568A	Nominal f	Dimensions	AN123856 to								
Standard Dash No.	ID ID	W	AN123836 10 AN123934	LS5041	MS9241	MS29561	M25988/1	M83248/1	NAS1593	NAS1594	AS3551
-338	3.100	0.210			-338	-338	-338	-338	-338	-338	-338
-339	3.225	0.210			-339	-339	-339	-339	-339	-339	-339
-340 -341	3.350 3.475	0.210 0.210			-340 -341	-340 -341	-340 -341	-340 -341	-340 -341	-340 -341	-340 -341
-342	3.600	0.210			-341	-341	-341	-341	-341	-341	-341
-343	3.725	0.210			-343	-343	-343	-343	-343	-343	-343
-344	3.850	0.210			-344	-344	-344	-344	-344	-344	-344
-345	3.975	0.210			-345	-345	-345	-345	-345	-345	-345
-346	4.100	0.210			-346	-346	-346	-346	-346	-346	-346
-347 -348	4.225 4.350	0.210 0.210			-347	-347	-347	-347	-347	-347	-347
-349	4.475	0.210			-348 -349	-348 -349	-348 -349	-348 -349	-348 -349	-348 -349	-348 -349
-350	4.600	0.210			-350	-048	-350	-350	-049	-049	-350
-351	4.725	0.210			-351		-351	-351			-351
-352	4.850	0.210	1		-352		-352	-352			-352
-353	4.975	0.210			-353		-353	-353			-353
-354 -355	5.100 5.225	0.210			-354		-354	-354			-354
-356	5.350	0.210 0.210			-355 -356		-355 -356	-355 -356			-355 -356
-357	5.475	0.210			-357		-357	-357			-357
-358	5.600	0.210			-358		-358	-358			-358
-359	5.725	0.210			-359		-359	-359			-359
-360	5.850	0.210			-360		-360	-360			-360
-361	5.975	0.210			-361		-361	-361			-361
-362	6.225	0.210			-362		-362	-362			-362
-363	6.475	0.210			-363		-363	-363			-363
-364 -365	6.725 6.975	0.210 0.210			-364 -365		-364 -365	-364 -365			-364 -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 -372	8.475 8.725	0.210 0.210			-371 -372		-371 -372	-371 -372			-371 -372
-373	8.975	0.210			-372		-372	-372			-372
-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 -379	10.475 10.975	0.210 0.210			-378 -379		-378 -379	-378 -379			-378 -379
-380	11.475	0.210			-379		-379	-379			-379
-381	11.975	0.210	i		-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 -386	15.955 16.955	0.210 0.210			-385 -386		-385 -386	-385 -386			-385 -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 -393	22.940 23.940	0.210]		-392		-392	-392			-392
-393	24.940	0.210 0.210			-393 -394		-393 -394	-393 -394			-393 -394
-395	25.940	0.210			-395		-395	-395			-395
		not assigned.									
-425	4.475	0.275			-425	-425	-425	-425	-425	-425	-425
-426	4.600	0.275			-426	-426	-426	-426	-426	-426	-426
-427	4.725	0.275			-427	-427	-427	-427	-427	-427	-427
-428 -429	4.850 4.975	0.275 0.275			-428 -429	-428 -429	-428 -429	-428 -429	-428 -429	-428 -429	-428 -429
-430	5.100	0.275			-429	-429	-429	-429	-429	-429	-429
-431	5.225	0.275			-431	-431	-431	-431	-431	-431	-431
-432	5.350	0.275			-432	-432	-432	-432	-432	-432	-432
-433	5.475	0.275			-433	-433	-433	-433	-433	-433	-433
-434	5.600	0.275			-434	-434	-434	-434	-434	-434	-434
-435	5.725	0.275			-435 -436	-435	-435 -436	-435 -436	-435	-435	-435 -436
-436 -437	5.850 5.975	0.275 0.275			-436 -437	-436 -437	-436 -437	-436 -437	-436 -437	-436 -437	-436 -437
-437	6.225	0.275			-437	-437 -438	-437 -438	-437	-437	-437	-437 -438
-439	6.475	0.275			-439	-439	-439	-439	-439	-439	-439
-440	6.725	0.275		-14	-440	-440	-440	-440	-440	-440	-440
-441	6.975	0.275			-441	-441	-441	-441	-441	-441	-441
-442	7.225	0.275			-442	-442	-442	-442	-442	-442	-442
-443	7.475	0.275			-443	-443	-443	-443	-443	-443	-443
					-444	-444	-444	-444	-444	-444	-444
-444 -445	7.725 7.975	0.275 0.275			-445	-445	-445	-445	-445	-445	-445

GLAND O-RINGS for Use in MIL-L-7808 and MIL-L-23699 LUBRICATING OILS

AS 568A	Nominal D	imensions	AN123856 to								
Standard Dash No.	ID	W	AN123934	LS5041	MS9241	MS29561	M25988/1	M83248/1	NAS1593	NAS1594	AS3551
-447	8.975	0.275	ĺ	-23	-447	-447	-447	-447	-447	-447	-447
-448	9.475	0.275			-448	-448	-448	-448	-448	-448	-448
-449	9.975	0.275	i l		-449	-449	-449	-449	-449	-449	-449
-450	10.475	0.275			-450	-450	-450	-450	-450	-450	-450
-451	10.975	0.275			-451	-451	-451	-451	-451	-451	-451
-452	11.475	0.275			-452	-452	-452	-452	-452	-452	-452
-453	11.975	0.275			-453	-453	-453	-453	-453	-453	-453
-454	12.475	0.275			-454	-454	-454	-454	-454	-454	-454
-455	12.975	0.275			-455	-455	-455	-455	-455	-455	-455
-456	13.475	0.275			-456	-456	-456	-456	-456	-456	-456
-457	13.975	0.275			-457	-457	-457	-457	-457	-457	-457
-458	14.475	0.275			-458	-458	-458	-458	-458	-458	-458
-459	14.975	0.275	1		-459	-459	-459	-459	-459	-459	-459
-460	15.475	0.275			-460	-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
-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 3B

BOSS O-RINGS for Use in MIL-L-7808 and MIL-L-23699 LUBRICATING OILS

AS 568A	No	minal Dimensi	ons							
Standard Dash No.	TUBE OD	ID	W	LS5041	MS9355	NAS617	NAS1595	NAS1596	M83248/2	AS3551
-901	3/32	0.185	0.056		-01				-901	-901
-902	1/8	0.239	0.064		-02	-2	-2	-2	-902	-902
-903	3/16	0.301	0.064	-17	-03	-3	-3	-3	-903	-903
-904	1/4	0.351	0.072	-4	-04	-4	-4	-4	-904	-904
-905	5/16	0.414	0.072		-05	-5	-5	-5	-905	-905
-906	3/8	0.468	0.078	-5	-06	-6	-6	-6	-906	-906
-907	7/16	0.530	0.082		-07				-907	-907
-908	1/2	0.644	0.087	-15	-08	-8	-8	-8	-908	-908
-909	9/16	0.706	0.097		-09				-909	-909
-910	5/8	0.755	0.097	-40	-10	-10	-10	-10	-910	-910
-911	11/16	0.863	0.116		-11				-911	-911
-912	3/4	0.924	0.116	-6	-12	-12	-12	-12	-912	-912
-913	13/16	0.986	0.116		-13				-913	-913
-914	7/8	1.047	0.116		-14				-914	-914
-916	1	1.171	0.116	-7	-16	-16	-16	-16	-916	-916
-918	1-1/8	1.355	0.116		-18				-918	-918
-920	1-1/4	1.475	0.118	-13	-20	-20	-20	-20	-920	-920
-924	1-1/2	1.720	0.118	-8	-24	-24	-24	-24	-924	-924
-928	1-3/4	2.090	0.118		-28	-28	-28	-28	-928	-928
-932	2	2.337	0.118		-32	-32	-32	-32	-932	-932



Chart 4A

			T				1	1	
AS 568A		imensions	AN123956 to		14000540	B 4000 40/4	NACATOO	NACASOA	M05000/4
Standard Dash No. -001	0.029	W 0.040	AN124034	MS9021 -001	MS29513 -001	M83248/1 -001	NAS1593	NAS1594	M25988/1 -001
-001	0.029	0.040		-001	-001	-001			-001
-002	0.056	0.060		-002	-002	-002			-003
-004	0.030	0.070		-004	-004	-004	-004	-004	-004
-005	0.101	0.070		-005	-005	-005	-005	-005	-005
-006	0.114	0.070	AN123956	-006	-006	-006	-006	-006	-006
-007	0.145	0.070	AN123957	-007	-007	-007	-007	-007	-007
-008	0.176	0.070	AN123958	-008	-008	-008	-008	-008	-008
-009	0.208	0.070	AN123959	-009	-009	-009	-009	-009	-009
-010	0.239	0.070	AN123960	-010	-010	-010	-010	-010	-010
-011	0.301	0.070	AN123961	-011	-011	-011	-011	-011	-011
-012	0.364	0.070	AN123962	-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 -028	1.301 1.364	0.070 0.070		-027 -028	-027 -028	-027 -028	-027 -028	-027 -028	-027 -028
-028	1.489	0.070		-029	-029	-029	-029	-028	-029
-030	1.614	0.070		-030	-029	-030	-030	-030	-030
-031	1.739	0.070		-031	-031	-031	-030	-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 -048	4.489 4.739	0.070	[-047 -048	-047 -048	-047 -048	-047 -048	-047 -048	-047 -048
-048 -049	4.739	0.070		-048 -049	-048 -049	-048	-048	-048	-048
-050	5.239	0.070		-049 -050	-049	-049	-049	-049	-050
-051 through -101		not assigned.		000	-050	000	555		
-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	AN123963	-110	-110	-110	-110	-110	-110
-111	0.424	0.103	AN123964	-111	-111	-111	-111	-111	-111
-112	0.487	0.103	AN123965	-112	-112	-112	-112	-112	-112
-113	0.549	0.103	AN123966	-113	-113	-113	-113	-113	-113
-114	0.612	0.103	AN123967	-114	-114	-114	-114	-114	-114
-115	0.674	0.103	AN123968	-115	-115	-115	-115	-115	-115
-116	0.737	0.103	AN123969	-116	-116	-116	-116	-116	-116
-117	0.799	0.103		-117 -110	-117	-117	-117	-117	-117 -119
-118	0.862	0.103	L	-118	-118	-118	-118	-118	-118

(331113.)									
AS 568A	Nominal E	Dimensions	AN123956 to						
Standard Dash No.	ID	W	AN124034	MS9021	MS29513	M83248/1	NAS1593	NAS1594	M25988/1
-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			
-136							-135	-135	-135
	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	į į	-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	-157	-157	-157
-159	4.987	0.103		-159	-159	-159	-159	-150 -159	-158 -159
-160	5.237	0.103		-160	-160	-160	-160		-160
-161	5.487	0.103						-160	
-162	5.467	0.103		-161 -162	-161 -162	-161 -162	-161 -162	-161	-161 162
-163	5.737							-162	-162
-164	6.237	0.103		-163 -164	-163	-163 164	-163 -164	-163	-163
		0.103		-164	-164	-164	-164	-164	-164
-165 -166	6.487	0.103		-165	-165	-165	-165	-165	-165
-166 -167	6.737	0.103		-166 -167	-166	-166 -167	-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							-	
-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	1		-207
-201	0.040	0.100				-201			-207

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AS 568A	Nominal D	imensions	AN123956 to						
Standard Dash No.	ID	W	AN124034	MS9021	MS29513	M83248/1	NAS1593	NAS1594	M25988/1
-208	0.609	0.139		•		-208			-208
-209	0.671	0.139				-209			-209
-210	0.734	0.139	AN123970	-210	-210	-210	-210	-210	-210
-211	0.796	0.139	AN123971	-211	-211	-211	-211	-211	-211
-212	0.859	0.139	AN123972	-212	-212	-212	-212	-212	-212
-213	0.921	0.139	AN123973	-213	-213	-213	-213	-213	-213
-214	0.984	0.139	AN123974	-214	-214	-214	-214	-214	-214
-215	1.046	0.139	AN123975	-215	-215	-215	-215	-215	-215
-216	1.109	0.139	AN123976	-216	-216	-216	-216	-216	-216
-217	1.171	0.139	AN123977	-217	-217	-217	-217	-217	-217
-218	1.234	0.139	AN123978	-218	-218	-218	-218	-218	-218
-219	1.296	0.139	AN123979	-219	-219	-219	-219	-219	-219
-220	1.359	0.139	AN123980	-220	-220	-220	-220	-220	-220
-221	1.421	0.139	AN123981	-221	-221	-221	-221	-221	-221
-222	1.484	0.139	AN123982	-222	-222	-222	-222	-222	-222
-223	1.609	0.139	AN123983	-223	-223	-223	-223	-223	-223
-224	1.734	0.139	AN123984	-224	-224	-224	-224	-224	-224
-225	1.859	0.139	AN123985	-225	-225	-225	-225	-225	-225
-226	1.984	0.139	AN123986	-226	-226	-226	-226	-226	-226
-227	2.109	0.139	AN123987	-227	-227	-227	-227	-227	-227
-228	2.234	0.139	AN123988	-228	-228	-228	-228	-228	-228
-229	2.359	0.139	AN123989	-229	-229	-229	-229	-229	-229
-230	2.484	0.139	AN123990	-230	-230	-230	-230	-230	-230
-231	2.609	0.139	AN123991	-231	-231	-231	-231	-231	-231
-232	2.734	0.139	AN123992	-232	-232	-232	-232	-232	-232
-233	2.859	0.139	AN123993	-233	-233	-233	-233	-233	-233
-234	2.984	0.139	AN123994	-234	-234	-234	-234	-234	-234
-235	3.109	0.139	AN123995	-235	-235	-235	-235	-235	-235
-236	3.234	0.139	AN123996	-236	-236	-236	-236	-236	-236
-237	3.359	0.139	AN123997	-237	-237	-237	-237	-237	-237
-238	3.484	0.139	AN123998	-238	-238	-238	-238	-238	-238
-239	3.609	0.139	AN123999	-239	-239	-239	-239	-239	-239
-240	3.734	0.139	AN124000	-240	-240	-240	-240	-240	-240
-241	3.859	0.139	AN124001	-241	-241	-241	-241	-241	-241
-242	3.984	0.139	AN124002	-242	-242	-242	-242	-242	-242
-243	4.109	0.139	AN124003	-243	-243	-243	-243	-243	-243
-244	4.234	0.139	AN124004	-244	-244	-244	-244	-244	-244
-245	4.359	0.139	AN124005	-245	-245	-245	-245	-245	-245
-246	4.484	0.139	AN124006	-246	-246	-246	-246	-246	-246
-247	4.609	0.139	AN124007	-247	-247	-247	-247	-247	-247
-248	4.734	0.139	AN124008	-248	-248	-248	-248	-248	-248
-249	4.859	0.139	AN124009	-249	-249	-249	-249	-249	-249
-250	4.984	0.139	AN124010	-250	-250	-250	-250	-250	-250
-251	5.109	0.139	AN124011	-251	-251	-251	-251	-251	-251
-252	5.234	0.139	AN124012	-252	-252	-252	-252	-252	-252
-253	5.359	0.139	AN124013	-253	-253	-253	-253	-253	-253
-254	5.484	0.139	AN124014	-254	-254	-254	-254	-254	-254
-255	5.609	0.139	AN124015	-255	-255	-255	-255	-255	-255
-256	5.734	0.139	AN124016	-256	-256	-256	-256	-256	-256
-257	5.859	0.139	AN124017	-257	-257	-257	-257	-257	-257
-258	5.984	0.139	AN124018	-258	-258	-258	-258	-258	-258
-259	6.234	0.139	AN124019	-259	-259	-259	-259	-259	-259
-260	6.484	0.139	AN124020	-260	-260	-260	-260	-260	-260
-261	6.734	0.139	AN124021	-261	-261	-261	-261	-261	-261
-262	6.984	0.139	AN124022	-262	-262	-262	-262	-262	-262
-263	7.234	0.139	AN124023	-263	-263	-263	-263	-263	-263
-264	7.484	0.139	AN124024	-264	-264	-264	-264	-264	-264
-265	7.734	0.139	AN124025	-265	-265	-265	-265	-265	-265
-266	7.984	0.139	AN124026	-266	-266	-266	-266	-266	-266
-267	8.234	0.139	AN124027	-267	-267	-267	-267	-267	-267
-268	8.484	0.139	AN124028	-268	-268	-268	-268	-268	-268
-269	8.734	0.139	AN124029	-269	-269	-269	-269	-269	-269
-270	8.984	0.139	AN124030	-270	-270	-270	-270	-270	-270
-271	9.234	0.139	AN124031	-271	-271	-271	-271	-271	-271
-272	9.484	0.139	AN124032	-272	-272	-272	-272	-272	-272
-273	9.734	0.139	AN124033	-273	-273	-273	-273	-273	-273
-274	9.984	0.139	AN124034	-274	-274	-274	-274	-274	-274
-275	10.484	0.139	1	-275	-275	-275	-275	-275	-275

AS 568A	Nominal E	Dimensions	AN123956 to						
Standard Dash No.	ID	W	AN124034	MS9021	MS29513	M83248/1	NAS1593	NAS1594	M25988/1
-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		0.139							
	13.984			-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		l	-282
-283	16.955	0.139		-283	-283	-283			-283
-284	17.955	0.139		-284	-284	-284			-284
-285 through -308		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	ĺ	-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		-343 -344	-344	-343 -344	-343 -344	-343	-343
-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
-351	4.725	0.210		-351	-351	-351			-351
-352	4.850	0.210		-352	-352	-352			-352
-353									
	4.975	0.210		-353	-353	-353			-353
-354	5.100	0.210		-354	-354	-354			-354
-355	5.225	0.210		-355	-355	-355			-355
-356	5.350	0.210		-356	-356	-356			-356
-357	5.475	0.210		-357	-357	-357			-357
-358	5.600	0.210		-358	-358	-358			-358
-359	5.725	0.210		-359	-359	-359			-359
-360	5.850	0.210		-360	1	-360			-360
					-360				
-361	5.975	0.210		-361	-361	-361			-361
-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
		L						1	

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AS 568A	Nominal Γ	imensions	AN123956 to						
Standard Dash No.	ID	W	AN124034	MS9021	MS29513	M83248/1	NAS1593	NAS1594	M25988/1
-367	7.475	0.210	AN124004	-367	-367	-367	11/10/1000	14/10/1004	-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		ļ	-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	1	-389	-389	-389			-389
-390	20.955	0.210		-390	-390	-390			-390
1									
-391	21.955	0.210		-391	-391	-391			-391
-392	22.940	0.210		-392	-392	-392		ļ	-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		not assigned.							
-425	4.475	0.275		-425	-425	-425	-425	-425	-425
-426	4.600	0.275		-426	-426	-426	-426	-426	-426
									1 1
-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	and the same of th	-443	-443	-443	-443	-443	-443
								-443 -444	-443 -444
-444	7.725	0.275	a.	-444	-444	-444	-444		1
-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
1								1	
-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		0.275		-459 -460	-459 -460	-460	-460	-460	-460
	15.475						-400	-400	!
-461	15.955	0.275		-461	-461	-461			-461
-462	16.455	0.275		-462	-462	-462			-462

GLAND O-RINGS for Use in COMMON JET FUELS

AS 568A	Nominal D	imensions	AN123956 to						
Standard Dash No.	ID	W	AN124034	MS9021	MS29513	M83248/1	NAS1593	NAS1594	M25988/1
-463	16.955	0.275		-463	-463	-463			-463
-464	17.455	0.275		-464	-464	-464			-464
-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	Nor	ninal Dimensi	ons					
Standard Dash No.	TUBE OD	ID	W	MS9020	MS29512	NAS1595	NAS1596	M83248/2
-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

Preformed Packings A GLOSSARY OF USEFUL TERMS

BACKUP RING - A spiral-cut or continuous ring of Teflon-type material placed in the gland between the O-ring and groove side walls to prevent seal extrusion.

BOSS O-RING - A preformed packing used to seal fluid connections conforming to MS33649 or equivalent.

DYNAMIC SEAL - A type of seal where there is relative motion between some part of the packing and the sealing surface, such as a piston and shaft seal.

EXTRUSION - The distortion or flow, under pressure, of a portion of a seal into the clearance between mating metal parts.

GLAND O-RING - A preformed packing used to seal grooved cutouts conforming to MIL-G-5514 or the equivalent.

O-RING - A torus-shaped preformed packing, made of synthetic rubber, used to seal fluid connections.

PACKING - A generic term used to describe a hydraulic seal that prevents leakage between two surfaces.

STATIC SEAL - A type of seal where there is no relative motion between the O-ring and sealing surface. In some cases, limited freedom may be provided to permit the packing to change its shape within the gland when under pressure.

Chart 5A

GLAND O-RINGS for Use in BREATHING OXYGEN

AS 568A	Nominal F	imensions			AS 568A	Nominal D	imensions	
Standard Dash No.	ID	W	MS9068		Standard Dash No.	1D	W	MS9068
-001	0.029	0.040		-	-116	0.737	0.103	-116
-002	0.042	0.050			-117	0.799	0.103	-117
-003	0.056	0.060			-118	0.862	0.103	-118
-004	0.070	0.070	-004		-119	0.924	0.103	-119
-005	0.101	0.070	-005		-120	0.987	0.103	-120
-006	0.114	0.070	-006		-121	1.049	0.103	-121
-007	0.145	0.070	-007		-122	1.112	0.103	-122
-008	0.176	0.070	-008		-123	1.174	0.103	-123
-009	0.208	0.070	-009		-124	1.237	0.103	-124
-010	0.239	0.070	-010		-125	1.299	0.103	-125
-011	0.301	0.070	-011		-126	1.362	0.103	-126
-012	0.364	0.070	-012		-127	1.424	0.103	-127
-013	0.426	0.070	-013	Ì	-128	1.487	0.103	-128
-014	0.489	0.070	-014		-129	1.549	0.103	-129
-015	0.551	0.070	-015		-130	1.612	0.103	-130
-016	0.614	0.070	-016		-131	1.674	0.103	-131
-017	0.676	0.070	-017		-132	1.737	0.103	-132
-018	0.739	0.070	-018		-133	1.799	0.103	-133
-019	0.801	0.070	-019		-134	1.862	0.103	-134
-020	0.864	0.070	-020		-135	1.925	0.103	-135
-021	0.926	0.070	-021		-136	1.987	0.103	-136
-022	0.989	0.070	-022		-137	2.050	0.103	-137
-023	1.051	0.070	-023		-138	2.112	0.103	-138
-024	1.114	0.070	-024		-139	2.175	0.103	-139
-025	1.176	0.070	-025		-140	2.237	0.103	-140
-026	1.239	0.070	-026		-141	2.300	0.103	-141
-027	1.301	0.070	-027		-142	2.362	0.103	-142
-028	1.364	0.070	-028		-143	2.425	0.103	-143
-029	1.489	0.070	-029		-144	2.487	0.103	-144
-030	1.614	0.070	-030		-145	2.550	0.103	-145
-031	1.739	0.070	-031		-146	2.612	0.103	-146
-032	1.864	0.070	-032		-147	2.675	0.103	-147
-033	1.989	0.070	-033		-148	2.737	0.103	-148
-034	2.114	0.070	-034		-149	2.800	0.103	-149
-035	2.239	0.070	-035		-150	2.862	0.103	-150
-036	2.364	0.070	-036		-151	2.987	0.103	-151
-037	2.489	0.070	-037		-152	3.237	0.103	-152
-038	2.614	0.070	-038		-153	3.487	0.103	-153
-039	2.739	0.070	-039		-154	3.737	0.103	-154
-040	2.864	0.070	-040		-155	3.987	0.103	-155
-041	2.989	0.070	-041		-156	4.237	0.103	-156
-042	3.239	0.070	-042		-157	4.487	0.103	-157
-043	3.489	0.070	-043		-158	4.737	0.103	-158
-044	3.739	0.070	-044		-159	4.987	0.103	-159
-045	3.989	0.070	-045		-160	5.237	0.103	-160
-046	4.239	0.070			-161	5.487	0.103	-161
-047	4.489	0.070			-162	5.737	0.103	-162
-048	4.739	0.070		1	-163	5.987	0.103	-163
-049	4.989	0.070			-164	6.237	0.103	
-050	5.239	0.070			-165	6.487	0.103	
-051 through -101	O-ring sizes	not assigned.			-166	6.737	0.103	
-102	0.049	0.103			-167	6.987	0.103	
-103	0.081	0.103			-168	7.237	0.103	
-104	0.112	0.103			-169	7.487	0.103	
-105	0.143	0.103			-170	7.737	0.103	
-106	0.174	0.103			-171	7.987	0.103	
-107	0.206	0.103			-172	8.237	0.103	
-108	0.237	0.103			-173	8.487	0.103	
-109	0.299	0.103			-174	8.737	0.103	
-110	0.362	0.103	-110		-175	8.987	0.103	
-111	0.424	0.103	-111		-176	9.237	0.103	
-112	0.487	0.103	-112		-177	9.487	0.103	
-113	0.549	0.103	-113		-178	9.737	0.103	
-114	0.612	0.103	-114		-179 through -200		not assigned.	
-115	0.674	0.103	-115		-201	0.171	0.139	

GLAND O-RINGS for Use in BREATHING OXYGEN

(correct)							
AS 568A	Nominal D	Dimensions		AS 568A	Nominal [Dimensions	
Standard Dash No.	ID	W	MS9068	Standard Dash N		W	MS9068
-202	0.234	0.139		-267	8.234	0.139	-267
-203	0.296	0.139		-268	8.484	0.139	-268
-204	0.359	0.139		-269	8.734	0.139	-269
-205	0.339	0.139		-270	8.984	0.139	-209
-206	0.484	0.139		-271	9.234	0.139	-271
-207	0.546	0.139		-272	9.484	0.139	-272
-208	0.609	0.139		-273	9.734	0.139	-273
-209	0.671	0.139		-274	9.984	0.139	-274
-210	0.734	0.139	-210	-275	10.484	0.139	-275
-211	0.796	0.139	-211	-276	10.984	0.139	-276
-212	0.859	0.139	-212	-277	11.484	0.139	-277
-213	0.921	0.139	-213	-278	11.984	0.139	-278
-214	0.984	0.139	-214	-279	12.984	0.139	-279
-215	1.046	0.139	-215	-280	13.984	0.139	-280
-216	1.109	0.139	-216	-281	14.984	0.139	-281
-217	1.171	0.139	-217	-282	15.955	0.139	
-218	1.234	0.139	-218	-283	16.955	0.139	
						0.109	
-219	1.296	0.139	-219	-284	17.955	0.139	
-220	1.359	0.139	-220	-285 through -30		not assigned.	
-221	1.421	0.139	-221	-309	0.412	0.210	
-222	1.484	0.139	-222	-310	0.475	0.210	
-223	1.609	0.139	-223	-311	0.537	0.210	
-224	1.734	0.139	-224	-312	0.600	0.210	
-225	1.859	0.139	-225	-313	0.662	0.210	
-226	1.984	0.139	-226	-314	0.725	0.210	
-227	2.109	0.139	-227	-315	0.787	0.210	
-228	2.234	0.139	-228	-316	0.850	0.210	
-229	2.359	0.139	-229	-317	0.912	0.210	
-230	2.484	0.139	-230	-318	0.975	0.210	
-231	2.609	0.139	-231	-319	1.037	0.210	
-232	2.734	0.139	-232	-320	1.100	0.210	
-233	2.859	0.139	-233	-321	1.162	0.210	
-234	2.984	0.139	-234	-322	1.225	0.210	
-235	3.109	0.139	-235	-323	1.289	0.210	
-236	3.234	0.139	-236	-324	1.350	0.210	
-237	3.359	0.139	-237	-325	1.475	0.210	-325
-238	3.484	0.139	-238	-326	1.600	0.210	-326
-239	3.609	0.139	-239	-327	1.725	0.210	-327
-240	3.734	0.139	-240	-328	1.850	0.210	-328
-241	3.859	0.139	-241	-329	1.975	0.210	-329
-242	3.984	0.139	-242	-330	2.100	0.210	-330
-243	4.109	0.139	-243	-331	2.225	0.210	-331
-244	4.234	0.139	-244	-332	2.350	0.210	-332
-245	4.359	0.139	-245	-333	2.475	0.210	-333
-246	4.484	0.139	-246	-334	2.600	0.210	-334
-247	4.609	0.139	-247	-335	2.725	0.210	-335
-248	4.734	0.139	-248	-336	2.850	0.210	-336
-249	4.859	0.139	-249	-337	2.975	0.210	-337
-250	4.984	0.139	-250	-338	3.100	0.210	-338
-251	5.109	0.139	-251	-339	3.225	0.210	-339
-252	5.234	0.139	-252	-340	3.350	0.210	-340
-253	5.359	0.139	-253	-341	3.475	0.210	-341
-254	5.484	0.139	-254	-342	3.600	0.210	-342
-255	5.609	0.139	-255	-343	3.725	0.210	-343
-256	5.734	0.139	-256	-344	3.850	0.210	-344
-257	5.859	0.139	-257	-345	3.975	0.210	-345
-258	5.984	0.139	-258	-346	4.100	0.210	-346
-259	6.234	0.139	-259	-347	4.225	0.210	-347
-260	6.484	0.139	-260	-348	4.350	0.210	-348
-261	6.734	0.139	-261	-349	4.475	0.210	-349
-262	6.984	0.139	-262	-350	4.600	0.210	
-263	7.234	0.139	-263	-351	4.725	0.210	
		0.139	-264	-352	4.850	0.210	
-264	7.484						
-265	7.734	0.139	-265	-353	4.975	0.210	
-266	7.984	0.139	-266	-354	5.100	0.210	

GLAND O-RINGS for Use in BREATHING OXYGEN

AS 568A	Nominal Dimensions			AS 568A		Nominal Dimensions	
Standard Dash No.	ID	W	MS9068	Standard Dash No		W	MS9068
-355	5.225	0.210		-448	9.475	0.275	-448
-356	5.350	0.210		-449	9.975	0.275	-449
-357	5.475	0.210		-450	10.475	0.275	-450
-358	5.600	0.210		-451	10.975	0.275	-451
-359	5.725	0.210		-452	11.475	0.275	-452
-360	5.850	0.210		-453	11.975	0.275	-453
-361	5.975	0.210		-454	12.475	0.275	-454
-362	6.225	0.210		-455	12.975	0.275	-455
-363	6.475	0.210		-456	13.475	0.275	-456
-364	6.725	0.210		-457	13.975	0.275	-457
-365	6.975	0.210		-458	14.475	0.275	-458
-366	7.225	0.210		-459	14.975	0.275	-459
-367	7.475	0.210		-460	15.475	0.275	-460
-368	7.725	0.210		-461	15.955	0.275	-461
-369	7.975	0.210		-462	16.455	0.275	-462
-370	8.225	0.210		-463	16.955	0.275	-463
-371	8.475	0.210		-464	17.455	0.275	-464
-372	8.725	0.210		-465	17.955	0.275	-465
-373	8.975	0.210		-466	18.455	0.275	-466
-374	9.225	0.210		-467	18.955	0.275	-467
-375	9.475	0.210		-468	19.455	0.275	-468
-376	9.725	0.210		-469	19.955	0.275	
-377	9.975	0.210		-470	20.955	0.275	
-378	10.475	0.210		-471	21.955	0.275	
-379	10.975	0.210		-472	22.940	0.275	
-380	11.475	0.210		-473	23.940	0.275	
-381	11.975	0.210		-474	24.940	0.275	
-382	12.975	0.210		-475	25.940	0.275	
-383	13.975	0.210					
-384	14.975	0.210					

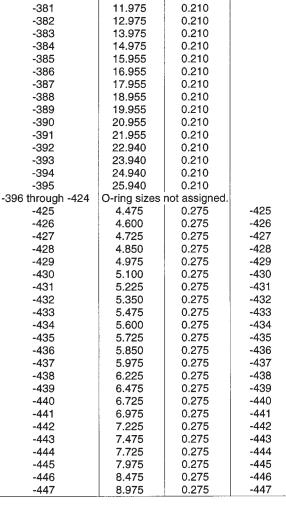




Chart 5B

BOSS O-RINGS for Use in

AS 568A	Nor				
Standard Dash No.	TUBE OD	ID	W	906	MS9385
-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

O-Rings Revisited

One of the most confusing and aggravating jobs faced by most mechanics is the finding, identifying, removing, and replacing of preformed packings, most often referred to as simply "O-rings." This issue is for those mechanics—to assist in cross-referencing part numbers, in determining dimensions, and in proper care and handling from storage to installation of preformed packings.

So reads the first paragraph of the main article in *Service News*, Vol. 3, No.1, dated January-March 1976. It was our first special O-ring issue, and it turned out to be the most frequently requested issue the magazine had published up to that time.

An update, significantly enlarged and revised, was issued in Vol. 11, No. 3, the July-September issue in 1984. Referring to the original O-ring feature, the introduction to the update comments: *The article proved to be so popular that our supplies of the issue that contained it were soon exhausted. Volume 3, Number 1 of Service News has been completely out of stock for several years, and we have had to disappoint the many readers who have contacted us and asked for additional copies. With this issue, we hope again to be able to satisfy the need for a reliable and easy-to-use source of data on O-rings.*

The new issue helped meet that need, but not for long. It attracted so much interest that the new issue, too, was soon out of stock, even though an extra thousand copies had been printed. In the April-June *Service News* issue of 1990, (Volume 17, Number 2) we offered another O-ring edition, again fully updated and revised, and this time we printed *two* thousand extra copies. That proved to be a more realistic number, and since then we have been able to offer copies to our readers who request them. Until now, that is.

Fortunately, when both the need to modernize our published O-ring data and dwindling stocks of the previous O-ring issue reminded us that the time for yet another revision had arrived, Jim Roberts of our Engineering Standards and Specifications Group was ready. Jim's update, which is published in this issue, represents the largest and most thoroughgoing presentation of O-ring information yet offered in *Service News* magazine. We are most grateful for his careful and comprehensive work. This is also the appropriate time to salute the earlier contributions of Ed Akers, Anne Anderson, Jim Buttram, Dan Jolley, and Jim Loftin, whose dedicated efforts on our previous O-ring issues provided both the models and the tradition of excellence upon which the present edition could be based.



Aeronautical Systems

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