

CANCELLED

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc.
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AERONAUTICAL INFORMATION REPORT

AIR 63

O-RING SIZE & PART NUMBER CROSS-REFERENCE CHART

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Revised

1. This chart is intended to provide ready cross-reference between ARP 568, Uniform Dash Numbering System for O-Rings, and the variety of existing and former O-ring drawings and standards.
2. Under each drawing number is listed the applicable procurement Specification and a brief description of the service for which it is intended. Only the original Specification number is listed and it is understood that the latest revision applies in each case.
3. The tolerances given for I.D. and W dimensions are, where differences exist, the smallest shown on any of the drawings listed as applicable to the particular O-ring size involved.
4. A boss gasket cross-reference chart is included on page 4, showing the various standards and drawings applied to this series. It will be noted that no discrepancy exists between dash numbers for different series of these parts since such numbers are traditionally significant. (i.e., -8, -08 or -908 designates the nominal tube size in sixteenths, for which the gasket is intended)

5. Glossary:

ARP - SAE Aeronautical Recommended Practice
MS - Military Standard
AMS - Aeronautical Material Specification
AN - Army - Navy
CKCX - Arbitrary Army Ordnance Designation for AN6227 and AN6230 O-Ring Sizes
MIL - Military Specification Prefix

PREPARED BY COMMITTEE G-4, ELASTIC SEALS

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O-RING SIZE AND PART NUMBER CROSS-REFERENCE CHART

ARPS68	MS9021	MS29513	MS28784 Series (Cancelled)	MS28775 Series	AN6227 & AN6230	AN123856 to AN123869	AN123956 to AN123969	CKCX2 Series	CKCX3 Series	SIZE ACTUAL	
Uniform Dash Numbering System	AMS 7271 Fuel Resistant	MIL-P-5315 Packings, O-Ring, Hydrocarbon, Fuel Resistant	MIL-P-18017 Packings & Gas- kets for 275°F Aircraft Hydraulic Systems (Obsolete)	MIL-P-25732 Packings, 275°F Hy- draulic Systems Aircraft (Type II)	MIL-P-5516 Packings & Gaskets Hydraulic Aircraft (Type I)	AMS 7274 Rings, Sealing, Synthetic Rubber, Oil Resistant	AMS 7270 Rings, Sealing, Synthetic Rubber, Fuel Resistant	MIL-P-5516 (Class B-70 duro) Packings & Gaskets Hydraulic, Aircraft	MIL-P-5516 (Class A-90 duro) Packings & Gaskets, Hydraulic, Aircraft	I.D. ③	W. ③
ARP568-001			MS28784-1	MS28775-001	1/32	SAE ARP267				.029 ± .004	.040 ± .003
ARP568-002			MS28784-2	MS28775-002	3/64					.042 ± .004	.050 ± .003
ARP568-003			MS28784-3	MS28775-003	1/16					.056 ± .004	.060 ± .003
ARP568-004	MS9021-004	MS29513-4	MS28784-4	MS28775-004	5/64					.070 ± .004	.070 ± .003
ARP568-005	MS9021-005	MS29513-5	MS28784-5	MS28775-005	3/32					.101 ± .004	.070 ± .003
ARP568-006	MS9021-006	MS29513-6	MS28784-6	MS28775-006	AN6227-1	AN123856	AN123956	501214	546920	.114 ± .005	.070 ± .003
ARP568-007	MS9021-007	MS29513-7	MS28784-7	MS28775-007	AN6227-2	AN123857	AN123957	501215	546921	.145 ± .005	.070 ± .003
ARP568-008	MS9021-008	MS29513-8	MS28784-8	MS28775-008	AN6227-3	AN123858	AN123958	501216	546922	.176 ± .005	.070 ± .003
ARP568-009	MS9021-009	MS29513-9	MS28784-9	MS28775-009	AN6227-4	AN123859	AN123959	501217	546923	.208 ± .005	.070 ± .003
ARP568-010	MS9021-010	MS29513-10	MS28784-10	MS28775-010	AN6227-5	AN123860	AN123960	501218	546924	.239 ± .005	.070 ± .003
ARP568-011	MS9021-011	MS29513-11	MS28784-11	MS28775-011	AN6227-6	AN123861	AN123961	501219	546925	.301 ± .005	.070 ± .003
ARP568-012	MS9021-012	MS29513-12	MS28784-12	MS28775-012	AN6227-7	AN123862	AN123962	501220	546926	.364 ± .005	.070 ± .003
ARP568-013	MS9021-013	MS29513-13	MS28784-13	MS28775-013						.426 ± .005	.070 ± .003
ARP568-014	MS9021-014	MS29513-14	MS28784-14	MS28775-014						.489 ± .005	.070 ± .003
ARP568-015	MS9021-015	MS29513-15	MS28784-15	MS28775-015						.551 ± .005	.070 ± .003
ARP568-016	MS9021-016	MS29513-16	MS28784-16	MS28775-016						.614 ± .005	.070 ± .003
ARP568-017	MS9021-017	MS29513-17	MS28784-17	MS28775-017						.676 ± .005	.070 ± .003
ARP568-018	MS9021-018	MS29513-18	MS28784-18	MS28775-018						.739 ± .005	.070 ± .003
ARP568-019	MS9021-019	MS29513-19	MS28784-19	MS28775-019						.801 ± .006	.070 ± .003
ARP568-020	MS9021-020	MS29513-20	MS28784-20	MS28775-020						.864 ± .006	.070 ± .003
ARP568-021	MS9021-021	MS29513-21	MS28784-21	MS28775-021						.926 ± .006	.070 ± .003
ARP568-022	MS9021-022	MS29513-22	MS28784-22	MS28775-022						.989 ± .006	.070 ± .003
ARP568-023	MS9021-023	MS29513-23	MS28784-23	MS28775-023						1.051 ± .006	.070 ± .003
ARP568-024	MS9021-024	MS29513-24	MS28784-24	MS28775-024						1.114 ± .006	.070 ± .003
ARP568-025	MS9021-025	MS29513-25	MS28784-25	MS28775-025						1.176 ± .006	.070 ± .003
ARP568-026	MS9021-026	MS29513-26	MS28784-26	MS28775-026						1.239 ± .006	.070 ± .003
ARP568-027	MS9021-027	MS29513-27	MS28784-27	MS28775-027						1.301 ± .006	.070 ± .003
ARP568-028	MS9021-028	MS29513-28	MS28784-28	MS28775-028						1.364 ± .006	.070 ± .003
ARP568-029	MS9021-029									1.426 ± .010	.070 ± .003
ARP568-030	MS9021-030									1.614 ± .010	.070 ± .003
ARP568-031	MS9021-031									1.799 ± .010	.070 ± .003
ARP568-032	MS9021-032									1.864 ± .010	.070 ± .003
ARP568-033	MS9021-033									1.989 ± .010	.070 ± .003
ARP568-034	MS9021-034									2.114 ± .010	.070 ± .003
ARP568-035	MS9021-035									2.239 ± .010	.070 ± .003
ARP568-036	MS9021-036									2.364 ± .010	.070 ± .003
ARP568-037	MS9021-037									2.489 ± .010	.070 ± .003
ARP568-038	MS9021-038									2.614 ± .010	.070 ± .003
ARP568-039	MS9021-039									2.739 ± .015	.070 ± .003
ARP568-040	MS9021-040									2.864 ± .015	.070 ± .003
ARP568-041	MS9021-041									2.989 ± .015	.070 ± .003
ARP568-042	MS9021-042									3.239 ± .015	.070 ± .003
ARP568-043	MS9021-043									3.489 ± .015	.070 ± .003
ARP568-044	MS9021-044									3.739 ± .015	.070 ± .003
ARP568-045	MS9021-045									3.989 ± .015	.070 ± .003
ARP568-046 THRU ARP568-109											
O-RING SIZES NOT ASSIGNED											
ARP568-110	MS9021-110	MS29513-110	MS28784-110	MS28775-110	AN6227-8	AN123863	AN123963	501211	546927	.362 ± .005	.103 ± .003
ARP568-111	MS9021-111	MS29513-111	MS28784-111	MS28775-111	AN6227-9	AN123864	AN123964	501221	546928	.424 ± .005	.103 ± .003
ARP568-112	MS9021-112	MS29513-112	MS28784-112	MS28775-112	AN6227-10	AN123865	AN123965	501460	546929	.487 ± .005	.103 ± .003
ARP568-113	MS9021-113	MS29513-113	MS28784-113	MS28775-113	AN6227-11	AN123866	AN123966	501223	546930	.549 ± .005	.103 ± .003
ARP568-114	MS9021-114	MS29513-114	MS28784-114	MS28775-114	AN6227-12	AN123867	AN123967	501212	546931	.612 ± .005	.103 ± .003
ARP568-115	MS9021-115	MS29513-115	MS28784-115	MS28775-115	AN6227-13	AN123868	AN123968	501224	546932	.674 ± .005	.103 ± .003
ARP568-116	MS9021-116	MS29513-116	MS28784-116	MS28775-116	AN6227-14	AN123869	AN123969	501225	546933	.737 ± .005	.103 ± .003
ARP568-117	MS9021-117	MS29513-117	MS28784-117	MS28775-117						.799 ± .006	.103 ± .003
ARP568-118	MS9021-118	MS29513-118	MS28784-118	MS28775-118						.862 ± .006	.103 ± .003
ARP568-119	MS9021-119	MS29513-119	MS28784-119	MS28775-119						.924 ± .006	.103 ± .003
ARP568-120	MS9021-120	MS29513-120	MS28784-120	MS28775-120						.987 ± .006	.103 ± .003
ARP568-121	MS9021-121	MS29513-121	MS28784-121	MS28775-121						1.049 ± .006	.103 ± .003
ARP568-122	MS9021-122	MS29513-122	MS28784-122	MS28775-122						1.112 ± .006	.103 ± .003
ARP568-123	MS9021-123	MS29513-123	MS28784-123	MS28775-123						1.174 ± .006	.103 ± .003
ARP568-124	MS9021-124	MS29513-124	MS28784-124	MS28775-124						1.237 ± .006	.103 ± .003
ARP568-125	MS9021-125	MS29513-125	MS28784-125	MS28775-125						1.299 ± .006	.103 ± .003
ARP568-126	MS9021-126	MS29513-126	MS28784-126	MS28775-126						1.362 ± .006	.103 ± .003
ARP568-127	MS9021-127	MS29513-127	MS28784-127	MS28775-127						1.424 ± .006	.103 ± .003
ARP568-128	MS9021-128	MS29513-128	MS28784-128	MS28775-128						1.487 ± .006	.103 ± .003
ARP568-129	MS9021-129	MS29513-129	MS28784-129	MS28775-129						1.549 ± .010	.103 ± .003
ARP568-130	MS9021-130	MS29513-130	MS28784-130	MS28775-130						1.612 ± .010	.103 ± .003
ARP568-131	MS9021-131	MS29513-131	MS28784-131	MS28775-131						1.674 ± .010	.103 ± .003
ARP568-132	MS9021-132	MS29513-132	MS28784-132	MS28775-132						1.737 ± .010	.103 ± .003
ARP568-133	MS9021-133	MS29513-133	MS28784-133	MS28775-133						1.799 ± .010	.103 ± .003
ARP568-134	MS9021-134	MS29513-134	MS28784-134	MS28775-134						1.862 ± .010	.103 ± .003
ARP568-135	MS9021-135	MS29513-135	MS28784-135	MS28775-135						1.925 ± .010	.103 ± .003
ARP568-136	MS9021-136	MS29513-136	MS28784-136	MS28775-136						1.987 ± .010	.103 ± .003
ARP568-137	MS9021-137	MS29513-137	MS28784-137	MS28775-137						2.050 ± .010	.103 ± .003
ARP568-138	MS9021-138	MS29513-138	MS28784-138	MS28775-138						2.112 ± .010	.103 ± .003
ARP568-139	MS9021-139	MS29513-139	MS28784-139	MS28775-139						2.175 ± .010	.103 ± .003
ARP568-140	MS9021-140	MS29513-140	MS28784-140	MS28775-140						2.237 ± .010	.103 ± .003
ARP568-141	MS9021-141	MS29513-141	MS28784-141	MS28775-141						2.300 ± .010	.103 ± .003
ARP568-142	MS9021-142	MS29513-142	MS28784-142	MS28775-142						2.362 ± .010	.103 ± .003
ARP568-143	MS9021-143	MS29513-143	MS28784-143	MS28775-143						2.425 ± .010	.103 ± .003
ARP568-144	MS9021-144	MS29513-144	MS28784-144	MS28775-144						2.487 ± .010	.103 ± .003
ARP568-145	MS9021-145	MS29513-145	MS28784-145	MS28775-145						2.550 ± .010	.103 ± .003
ARP568-146	MS9021-146	MS29513-146	MS28784-146	MS28775-146						2.612 ± .010	.103 ± .003
ARP568-147	MS9021-147	MS29513-147	MS28784-147	MS28775-147						2.675 ± .015	.103 ± .003
ARP568-148	MS9021-148	MS29513-148	MS28784-148	MS28775-148						2.737 ± .015	.103 ± .003
ARP568-149	MS9021-149	MS29513-149	MS28784-149	MS28775-149						2.800 ± .015	.103 ± .003
ARP568-150	MS9021-150									2.862 ± .015	.103 ± .003
ARP568-151	MS9021-151									2.987 ± .015	.103 ± .003
ARP568-152	MS9021-152									3.237 ± .015	.103 ± .003
ARP568-153	MS9021-153									3.487 ± .015	.103 ± .003
ARP568-154	MS9021-154									3.737 ± .015	.103 ± .003
ARP568-155	MS9021-155									3.987 ± .015	.103 ± .003
ARP568-156	MS9021-156									4.237 ± .015	.103 ± .003