

INCH-POUND

MS27595E  
**25 January 2006**  
SUPERSEDING  
MS27595D  
6 January 1978

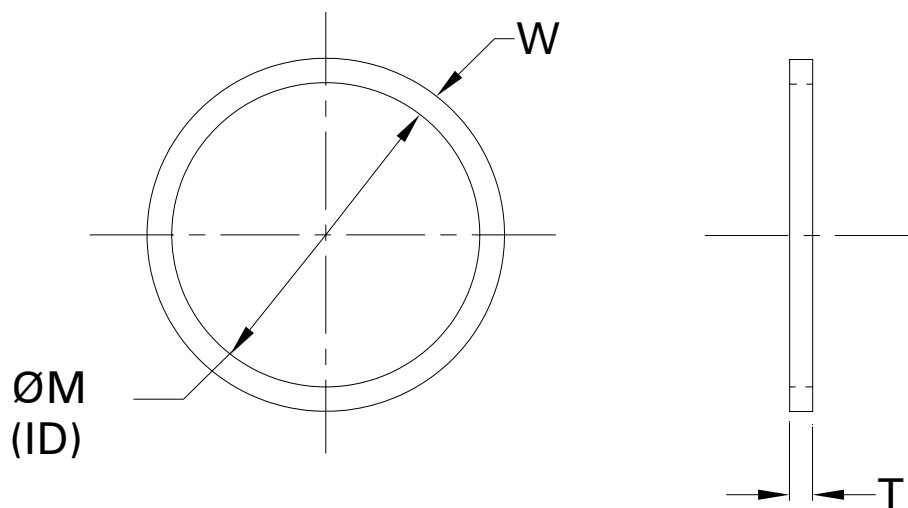
## DETAIL SPECIFICATION SHEET

RETAINER, PACKING BACKUP, CONTINUOUS RING,  
POLYTETRAFLUOROETHYLENE

Inactive for new design after 18 July 1997

This specification sheet is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist this specification sheet and SAE-AS8791.

FIGURE 1. Retainer

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TABLE I. Retainer Part Number and Dimensions

PART NO.	ØM (ID)		T	W	PART NO.	ØM (ID)		T	W
MS27595-004	.080	± .001	.050  ± .002	.055  ± .001	MS27595-129	1.565	± .002	.050  ± .002	.088  ± .001
MS27595-005	.111				MS27595-130	1.629			
MS27595-006	.125				MS27595-131	1.691			
MS27595-007	.156				MS27595-132	1.754			
MS27595-008	.187				MS27595-133	1.816			
MS27595-009	.219				MS27595-134	1.879			
MS27595-010	.250				MS27595-135	1.942			
MS27595-011	.312				MS27595-136	2.004			
MS27595-012	.375				MS27595-137	2.067			
MS27595-013	.440				MS27595-138	2.129			
MS27595-014	.503				MS27595-139	2.192			
MS27595-015	.565				MS27595-140	2.254			
MS27595-016	.628				MS27595-141	2.317			
MS27595-017	.690				MS27595-142	2.379			
MS27595-018	.753				MS27595-143	2.442			
MS27595-019	.815				MS27595-144	2.504			
MS27595-020	.881				MS27595-145	2.567			
MS27595-021	.943				MS27595-146	2.629			
MS27595-022	1.006				MS27595-147	1.692			
MS27595-023	1.068				MS27595-148	2.754			
MS27595-024	1.131	MS27595-149	2.817						
MS27595-025	1.193	± .002		MS27595-210	.753	± .001			
MS27595-026	1.256			MS27595-211	.815				
MS27595-027	1.318			MS27595-212	.878				
MS27595-028	1.381			MS27595-213	.940				
MS27595-110	.374	± .001	.050  ± .002	.088  ± .001	MS27595-214	1.003	± .002	.050  ± .002	.119  ± .001
MS27595-111	.437				MS27595-215	1.065			
MS27595-112	.499				MS27595-216	1.128			
MS27595-113	.562				MS27595-217	1.190			
MS27595-114	.624				MS27595-218	1.253			
MS27595-115	.687				MS27595-219	1.315			
MS27595-116	.749				MS27595-220	1.378			
MS27595-117	.815				MS27595-221	1.440			
MS27595-118	.877				MS27595-222	1.503			
MS27595-119	.940				MS27595-223	1.629			
MS27595-120	1.002				MS27595-224	1.754			
MS27595-121	1.065				MS27595-225	1.880			
MS27595-122	1.127	± .002		MS27595-226	2.005				
MS27595-123	1.190			MS27595-227	2.130				
MS27595-124	1.252			MS27595-228	2.255				
MS27595-125	1.315			MS27595-229	2.380				
MS27595-126	1.377			MS27595-230	2.505				
MS27595-127	1.440			MS27595-231	2.630				
MS27595-128	1.502			MS27595-232	2.755				

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TABLE I. Retainer Part Number and Dimensions-continued

PART NO.	ØM (ID)	T	W	PART NO.	ØM (ID)	T	W
MS27595-233	2.880	±.002	.050 ±.002	MS27595-347	4.248	.073 ±.002	.185 ±.001
MS27595-234	3.005			MS27595-348	4.373		
MS27595-235	3.130			MS27595-349	4.498		
MS27595-236	3.255			MS27595-425	4.502		
MS27595-237	3.380			MS27595-426	4.627		
MS27595-238	3.505			MS27595-427	4.752		
MS27595-239	3.630			MS27595-428	4.877		
MS27595-240	3.755			MS27595-429	5.002		
MS27595-241	3.880			MS27595-430	5.127		
MS27595-242	4.005			MS27595-431	5.252		
MS27595-243	4.130			MS27595-432	5.377		
MS27595-244	4.255			MS27595-433	5.502		
MS27595-245	4.380			MS27595-434	5.627		
MS27595-246	4.505			MS27595-435	5.752		
MS27595-247	4.630			MS27595-436	5.877		
MS27595-325	1.497	±.002	.073 ±.002	MS27595-437	6.002	.108 ±.002	.236 ±.001
MS27595-326	1.622			MS27595-438	6.252		
MS27595-327	1.748			MS27595-439	6.502		
MS27595-328	1.873			MS27595-440	6.752		
MS27595-329	1.998			MS27595-441	7.002		
MS27595-330	2.123			MS27595-442	7.252		
MS27595-331	2.248			MS27595-443	7.502		
MS27595-332	2.373			MS27595-444	7.752		
MS27595-333	2.498			MS27595-445	8.002		
MS27595-334	2.623			MS27595-446	8.502		
MS27595-335	2.748			MS27595-447	9.002		
MS27595-336	2.873			MS27595-448	9.502		
MS27595-337	2.998			MS27595-449	10.002		
MS27595-338	3.123			MS27595-450	10.502		
MS27595-339	3.248			MS27595-451	11.002		
MS27595-340	3.373			MS27595-452	11.502		
MS27595-341	3.498			MS27595-453	12.002		
MS27595-342	3.623			MS27595-454	12.502		
MS27595-343	3.748			MS27595-455	13.002		
MS27595-344	3.873			MS27595-456	13.502		
MS27595-345	3.998			MS27595-457	14.002		
MS27595-346	4.123			MS27595-458	14.502		
				MS27595-459	15.002		
				MS27595-460	15.502		

## NOTES:

1. SURFACES MUST BE SMOOTH AND FREE FROM IRREGULARITIES. EDGES MUST BE CLEAN AND SHARP.
2. DIMENSIONS IN INCHES.
3. FOR USE IN PACKING GROOVES CONFORMING TO SPECIFICATION MIL-G-5514,

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EXCEPT NOT FOR USE IN O.D. (PISTON) APPLICATIONS USING MIL-G-5514 A & B GLANDS.

4. FOR SINGLE TURN RING (CUT) SEE MS28774.
5. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
6. CHANGES FROM PREVIOUS ISSUE. MARGINAL NOTATIONS ARE NOT USED IN THIS REVISION TO IDENTIFY CHANGES WITH RESPECT TO THE PREVIOUS ISSUE DUE TO THE EXTENT OF THE CHANGES.

Custodians:

Army – MR  
Navy – AS  
Air Force – 99

Preparing activity:

DLA – IS

(Project 5330-2005-003)

Review Activities:

Army – AV, MI  
Navy – SA, SH

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>