FEDERAL SUPPLY CLASS
5340

RATIONALE

AS9391 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS9391 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS9391. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

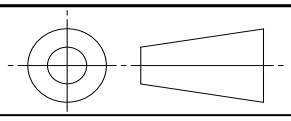
THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

ANY MATERIAL RELATING TO QUALIFIED PRODUCT LISTS HAS NOT BEEN ADOPTED BY SAE. THIS MATERIAL WAS PART OF THE ORIGINAL MILITARY SPECIFICATION AND IS REPRINTED HERE FOR HISTORIC REFERENCE ONLY.

ISSUED 1998-01 REAFFIRMED 2012-11

SAE values your input. To provide feedback on this Technical Report, please visit
http://www.sae.org/technical/standards/AS9391

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CLAMP, LOOP - MULTIPLE TUBE, DETACHABLE CUSHION, AMS5510

SAE AS9391

TO PLACE A DOCUMENT ORDER: **Tel: 877-606-7323 (inside USA and Canada)** **Tel: +1 724-776-4970 (outside USA)**
Fax: 724-776-0790 **Email: CustomerService@sae.org** **SAE WEB ADDRESS: http://www.sae.org**

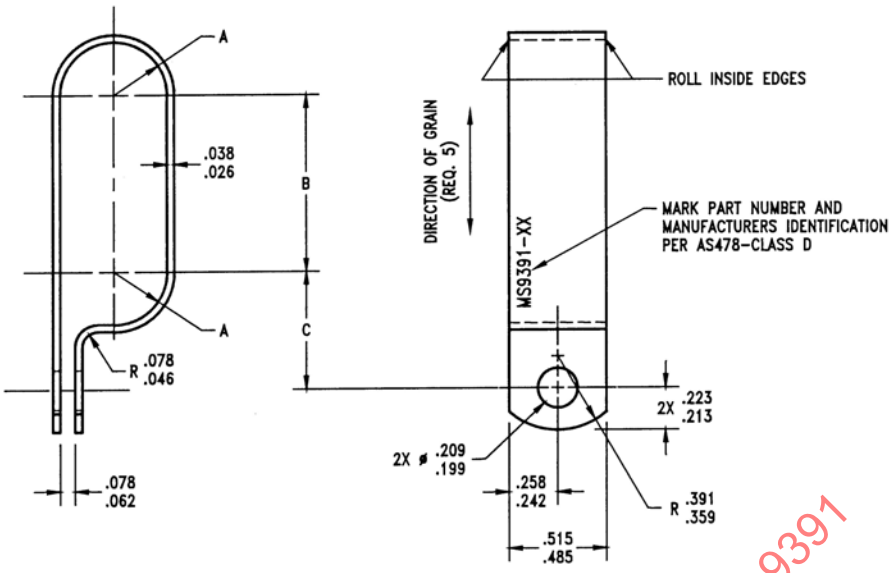


FIGURE 1 - CLAMP LOOP

TABLE 1 - DASH NUMBERS AND DIMENSIONS

PART NO.	NOM TUBE OD	NO. OF TUBES	A RAD ±.010	B ±.005	C ±.010	APPROX WEIGHT LB/100
MS9391-01	.125	2	.125	.188	.457	.91
MS9391-02	.125	3	.125	.375	.457	1.07
MS9391-03	.188	2	.156	.250	.498	1.07
MS9391-04	.188	3	.156	.500	.498	1.29
MS9391-05	.250	2	.219	.344	.560	1.33
MS9391-06	.250	3	.219	.688	.560	1.63
MS9391-07	.312	2	.250	.406	.592	1.48
MS9391-08	.312	3	.250	.812	.592	1.84
MS9391-09	.375	2	.281	.469	.623	1.63
MS9391-10	.375	3	.281	.938	.623	2.04

REQUIREMENTS:

1. MATERIAL: CORROSION RESISTANT STEEL AMS 5510.
2. REMOVE BURRS AND BREAK SHARP EDGES.
3. CLAMP SHALL BE FORMED AS SHOWN. DIMENSION .062-.078 SHALL FALL WITHIN THE SPECIFIED LIMITS WHEN CLAMP IS CLOSED OVER BARS CONFORMING TO NOMINAL INSIDE CONFIGURATION WITHIN ±.001.
4. HOLES SHALL BE IN ALIGNMENT WITHIN .010 AND CLAMPS SHALL BE FLAT WITHIN .005 THRU CLAMP WIDTH WHEN LEGS ARE CLOSED TO DIMENSION SPECIFIED BEFORE BEING ASSEMBLED ON TEST BARS. IN THE FREE POSITION, CLAMP MAY SPRING OPEN PROVIDED THE ABOVE CONDITIONS ARE MET.
5. GRAIN FLOW SHOULD BE PARALLEL WITH ROLLING DIRECTION.
6. PART NUMBER: THE MS PART NUMBER SHALL BE AS SHOWN IN TABLE 1.