

RATIONALE

AS23190/1 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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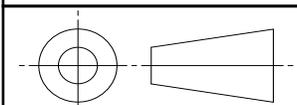
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THIRD ANGLE PROJECTION



CUSTODIAN: E-25



**AEROSPACE STANDARD**

STRAPS, CLAMPS, AND MOUNTING HARDWARE, PLASTIC FOR CABLE HARNESS TYING AND SUPPORT CLAMP, LOOP, NYLON, ADJUSTABLE, WIRE SUPPORT, TYPE III, CLASS 1

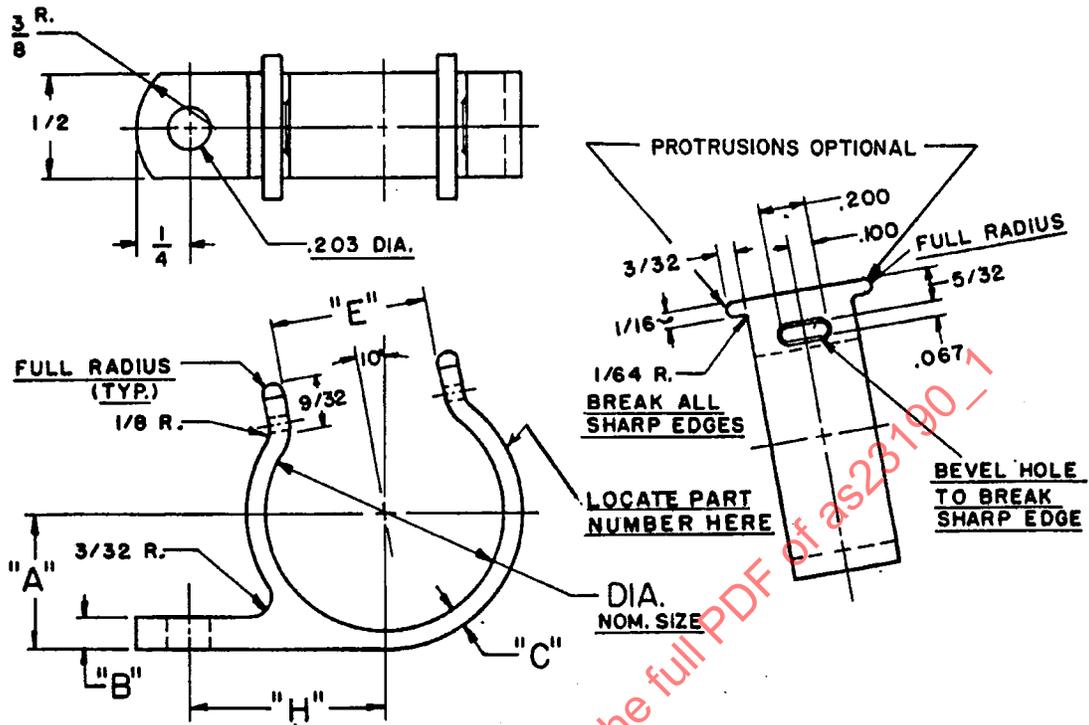
**SAE AS23190/1**  
SHEET 1 OF 5

ISSUED 1999-05 REAFFIRMED 2012-01

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**SAE AS23190/1**

THE COMPLETE REQUIREMENTS FOR PROCURING THE CLAMP DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE ISSUE IN EFFECT OF SPECIFICATION MIL-S-23190.



Part Number  
M23190/1-\*

\* See Table 1 for dash numbers

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 An SAE International Group	<b>AEROSPACE STANDARD</b>	<b>SAE AS23190/1</b> SHEET 2 OF 5
	STRAPS, CLAMPS, AND MOUNTING HARDWARE, PLASTIC FOR CABLE HARNESS TYING AND SUPPORT CLAMP, LOOP, NYLON, ADJUSTABLE, WIRE SUPPORT, TYPE III, CLASS 1	

TABLE 1

DASH NO.	NOM. SIZE	SIZE RANGE	H	A	B	C	E
0	3/16	1/8 TO 1/4	7/16	5/32	.078	.065	1/8
1	5/16	1/4 TO 3/8	1/2	13/64	.109	.065	3/16
2	7/16	3/8 TO 1/2	9/16	17/64	.109	.065	1/4
3	5/8	1/2 TO 11/16	5/8	23/64	.109	.065	3/8
4	7/8	11/16 TO 15/16	13/16	31/64	.109	.065	1/2
5	1 1/8	7/8 TO 1 1/4	15/16	21/32	.156	.093	3/4
6	1 1/2	1 3/16 TO 1 5/8	1 1/8	27/32	.156	.093	1
7	2	1 9/16 TO 2 3/16	1 3/8	1 3/32	.156	.093	1 1/4

**NOTE**

**DIMENSIONS AND TOLERANCES APPLY WHEN  
INSTALLED ON A MANDRIL OF NOMINAL SIZE**

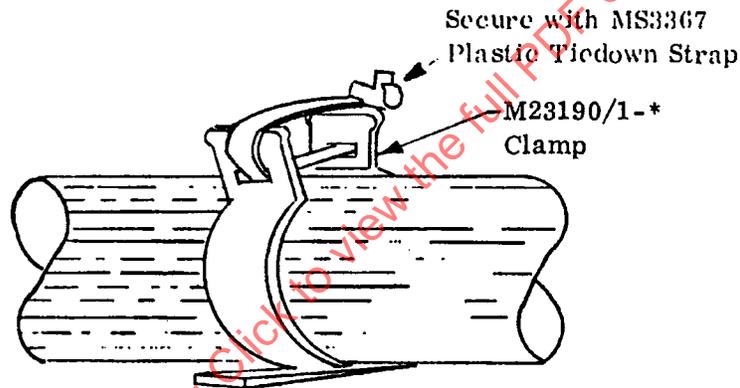


FIGURE 2 - TYPICAL ATTACHMENT

TABLE 2  
TEST FIXTURE DATA

DASH NO.	TENSILE STRENGTH * MANDREL DIA. ± .020	VIBRATION TESTS ** WIRE BUNDLE M5082/2 WIRE	
		APPROX. NO. OF WIRES	WIRE SIZES
0	.188	3	14
1	.250	3	14
2	.250	5	14
3	.562	1	8
		9	14
4	.875	8	8
5	1.250	4	1/0
		5	14
6	1.250	4	1/0
		5	14
7	1.750	7	1/0
		6	8

\* Ref. Figure 3 of MIL-S-23190

\*\* Ref. Figure 4 of MIL-S-23190

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