

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

**REV.  
A**

**SAE AS31551**

**RATIONALE**

FEDERAL SUPPLY CLASS  
5935

THE AS31551 HAS BEEN SUPERSEDED BY THE SAE AS85049, FIG. 4 AND 4A.

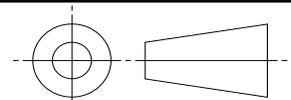
**CANCELLATION NOTICE**

THIS DOCUMENT HAS BEEN DECLARED "CANCELLED" AS OF SEPTEMBER 2010. BY THIS ACTION, THIS DOCUMENT WILL REMAIN LISTED IN THE NUMERICAL SECTION OF THE AEROSPACE STANDARDS INDEX.

SAENORM.COM : Click to view the full PDF of as31551a

**SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS31551A>**

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-5015

**SAE Aerospace**  
An SAE International Group

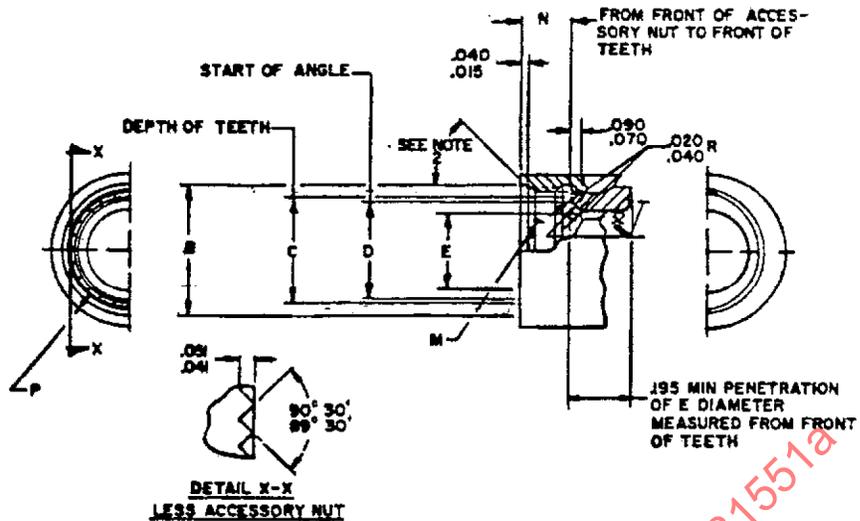
**AEROSPACE STANDARD**

CONNECTOR, ELECTRIC, REAR  
ACCESSORY DESIGN STANDARD

**SAE AS31551**  
SHEET 1 OF 3

**REV.  
A**

ISSUED 2004-06 CANCELLED 2010-09



NOTES:

1. DIMENSIONS ARE IN INCHES.
2. THE FIRST THREAD IS TO BE CHAMFERED.
3. THIS IS A DESIGN STANDARD AND NOT TO BE USED AS A PART NUMBER.
4. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
5. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

FOR CONNECTOR SHELL SIZE (REF)			B	C	D	E	M	N	P
MIL-C-81703 SERIES 3	MIL-C-26482 SERIES 2 or MIL-C-83723 SERIES 1 & 3	MIL-C-5015 or MIL-C-83723 SERIES 1 & 3 CRIMP	+ .025 - .000 DIA	+ .000 - .015 DIA	+ .015 - .000 DIA	+ .000 - .010 DIA	R.H. THREAD CLASS 2B	+ .000 - .022	NUMBER OF TEETH
3	8	85	.562	.431	.370	.270	.562-24UNEF	.305	15
	10	10S, 10SL	.500	.360	.299	.270	.500-20UNF	.305	12
7	12	12S, 12	.625	.494	.433	.375	.625-24UNEF	.305	15
12	14	14S, 14	.750	.610	.549	.511	.750-20UNEF	.305	21
19	16	16S, 16	.875	.735	.674	.585	.875-20UNEF	.305	24
27	18	18	1.000	.860	.799	.710	1.000-20UNEF	.305	30
37	20	20	1.062	.916	.869	.789	1.062-18UNEF	.305	33
	22	22	1.188	1.041	.994	.914	1.188-18UNEF	.305	36
	24	24	1.312	1.166	1.119	1.039	1.312-18UNEF	.305	39
		28	1.438	1.291	1.244	1.154	1.438-18UNEF	.305	42
		32	1.750	1.512	1.469	1.389	1.750-18UNS	.467	54
		36	2.000	1.762	1.715	1.635	2.000-18UNS	.467	63
		40	2.250	1.977	1.930	1.850	2.250-16UN	.467	72
		44	2.500	2.192	2.145	2.065	2.500-16UN	.467	81
		48	2.750	2.447	2.400	2.320	2.750-16UN	.467	87
		61	3.000	2.697	2.650	2.570	3.000-16UN	.467	96
			1.500	1.354	1.307	1.194	1.500-18UNEF	.305	45