

REV.
C

AS3078

FEDERAL SUPPLY CLASS
4730

RATIONALE

CORRECT WEIGHT VALUES AND UPDATE STANDARD.

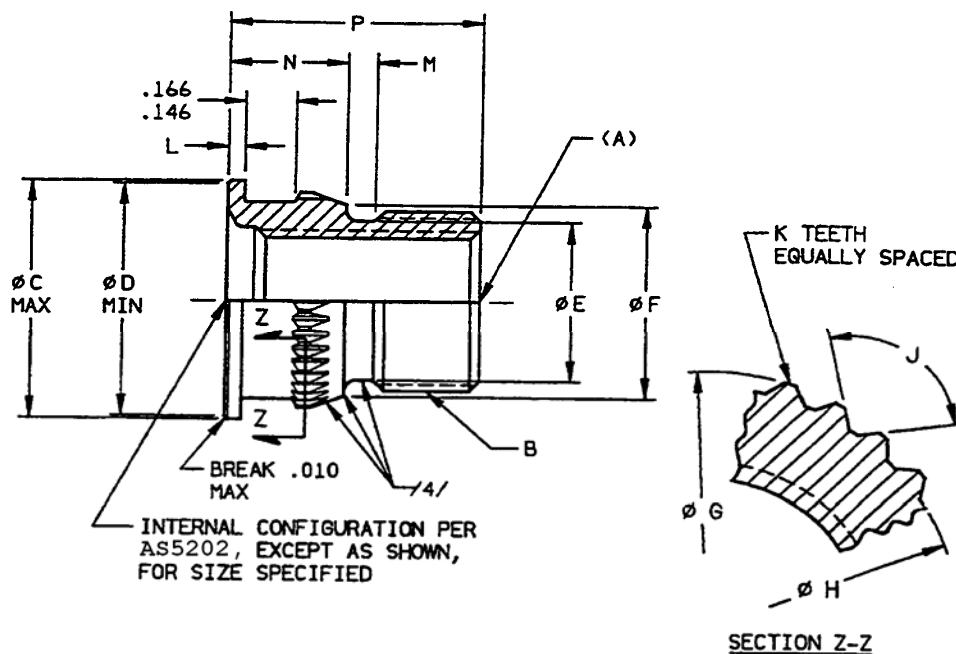


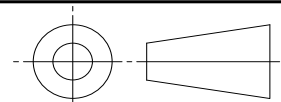
FIGURE 1 - INSERT

TABLE 1A - DIMENSIONS

BASIC NO. AS3078 /16/ SIZE CODE	A THREAD -3B AS8879	B THREAD -3A AS8879	C	D	E +.005/-.002	F ±.003	G +.005/-.004	H +.005/-.004
02	.3125-24UNJF	.4375-28UNJEF	.622	.602	.375	.469	.544	.502
03	.3750-24UNJF	.5000-28UNJEF	.685	.665	.440	.536	.611	.569
04	.4375-20UNJF	.5625-24UNJEF	.748	.728	.503	.599	.672	.632
05	.5000-20UNJF	.6250-24UNJEF	.810	.790	.566	.662	.737	.695
06	.5625-18UNJF	.6875-24UNJEF	.867	.852	.628	.724	.801	.758
08	.7500-16UNJF	.9375-20UNJEF	1.060	1.040	.858	.954	1.029	.988
10	.8750-14UNJF	1.0625-18UNJEF	1.185	1.165	.983	1.079	1.172	1.122
12	1.0625-12UNJ	1.2500-18UNJEF	1.435	1.415	1.171	1.267	1.362	1.310
16	1.3125-12UNJ	1.5000-18UNJEF	1.685	1.665	1.421	1.517	1.612	1.560
20	1.6250-12UNJ	1.8750-16UNJ	2.020	1.978	1.760	1.918	2.012	1.961

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS3078C>

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B /8/

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

FITTING, INSERT, FLUID CONNECTION,
AS5202 BOSS TO RING LOCKED BOSS

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SHEET 1 OF 3

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Documents

TABLE 1B - DIMENSIONS AND WEIGHTS

BASIC NO. AS3078 /16/ SIZE CODE	J ±1.5°	K	L +.010/-.004	M +.010/-.005	N ±.015	P	LB/EA APPROX	LOCKRING BASIC NO. AS3077 /17/ SIZE CODE
02	96.5	24	.047	.082	.364	.761	.025	02
03	95.5	28	.047	.082	.364	.729	.033	03
04	95.0	31	.047	.082	.364	.777	.034	04
05	94.5	34	.047	.082	.364	.802	.041	05
06	94.5	36	.047	.082	.364	.830	.045	06
08	93.5	48	.047	.082	.364	.955	.087	08
10	93.5	46	.057	.082	.374	1.051	.113	10
12	93.0	54	.072	.082	.389	1.185	.155	12
16	92.5	64	.072	.082	.389	1.185	.211	16
20	92.0	80	.072	.122	.389	1.237	.322	20

NOTES:

1. MATERIAL: A286 CORROSION RESISTANT STEEL PER AMS5731, AMS5732, AMS5734, OR AMS5737 (UNS S66286).
2. HEAT TREATMENT: AMS5731 AND AMS5734 PARTS SHALL BE AGED IN ACCORDANCE WITH AMS-H-6875. HARDNESS 29 HRC MIN.
3. FINISH: PASSIVATE AMS2700, TYPE 2 OR TYPE 8.
4. SEALING SURFACE: NO VISIBLE DEFECTS. TO BE PROTECTED FOR SHIPMENT.
5. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417.
6. IDENTIFICATION PER AS478, CLASS 35D. NAME, TRADEMARK OR CAGE CODE AND PART NUMBER.
7. INSERTS TO BE USED IN CONJUNCTION WITH AS3077 LOCKRING AND TO BE INSTALLED PER AS1959 INTO BOSS CAVITIES PER AS1958.
8. INVENTORIED PARTS CONFORMING TO THE PREVIOUS "LETTER CHANGE" MAY BE USED TO DEPLETION.
10. A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.
11. INTERPRETATION OF DRAWING PER AS4296.
12. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 MICROINCHES Ra EXCEPT SEALING SURFACE TO BE 63 MICROINCHES Ra AND SERRATIONS TO BE 250 MICROINCHES Ra.
13. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
14. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994

	AEROSPACE STANDARD		AS3078 SHEET 2 OF 3	REV. 6
	FITTING, INSERT, FLUID CONNECTION, AS5202 BOSS TO RING LOCKED BOSS			

