

REV.
B

SAE AS4300

RATIONALE

FEDERAL SUPPLY CLASS
4730

CORRECTION OF O-RING, O-RING COMPOUND STANDARD NUMBERS AND UPDATE THE TOLERANCE OF NON-CRITICAL THREAD CHAMFER DIMENSION.

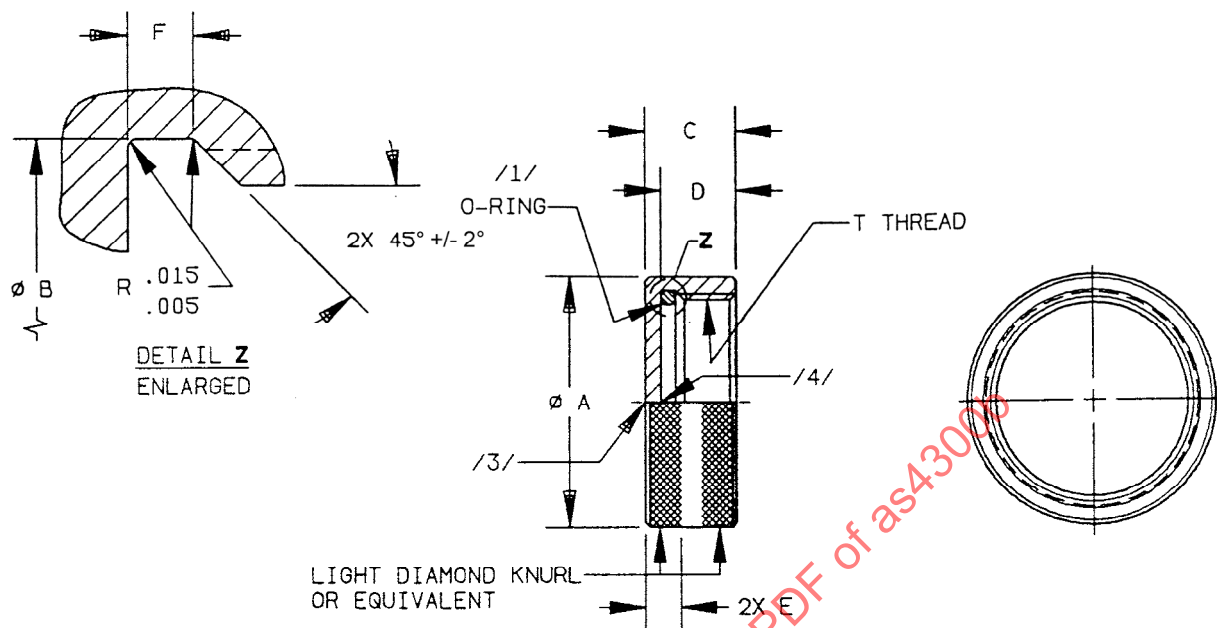


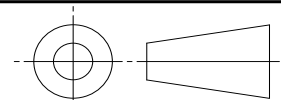
FIGURE 1 – FITTING ASSEMBLY, CAP, FLARELESS

TABLE 1 – DIMENSIONS, O-RING SIZES AND WEIGHTS

BASIC NO. AS4300	TUBE SIZE	T THREAD AS8879	A	B	C	D	E	F	O-RING SIZE	WEIGHT LB/EA, MAX
SIZE CODE /1/ /13/	SIZE OD	AS8879 -3B	±.020	+.010 -.000		+.010 -.020	±.020		/1/	
02	.125	.3125-24UNJF	.562	.335	.388	.283	.100	.075	104	.0075
03	.188	.3750-24UNJF	.625	.391	.388	.283	.100	.075	106	.0089
04	.250	.4375-20UNJF	.688	.455	.430	.325	.125	.075	108	.0114
05	.312	.5000-20UNJF	.750	.517	.430	.325	.125	.075	109	.0130
06	.375	.5625-18UNJF	.812	.581	.458	.353	.125	.075	110	.0155
08	.500	.7500-16UNJF	.938	.776	.492	.387	.125	.075	113	.0179
10	.625	.8750-14UNJF	1.125	.897	.537	.432	.150	.075	115	.0291
12	.750	1.0625-12UNJ	1.312	1.080	.597	.492	.150	.075	118	.0403
14	.875	1.1875-12UNJ	1.438	1.206	.597	.492	.150	.075	120	.0460
16	1.000	1.3125-12UNJ	1.562	1.330	.597	.492	.150	.075	122	.0519
20	1.250	1.6250-12UNJ	1.875	1.643	.630	.530	.200	.113	220	.0707
24	1.500	1.8750-12UNJ	2.125	1.893	.630	.530	.200	.113	223	.0852
32	2.000	2.5000-12UNJ	2.750	2.518	.630	.530	.200	.113	228	.1474

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4300B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
FITTING ASSEMBLY, CAP, FLARELESS
PROTECTIVE CLOSURE, LOW PRESSURE

SAE AS4300
SHEET 1 OF 2

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