

AS5171

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS5171 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

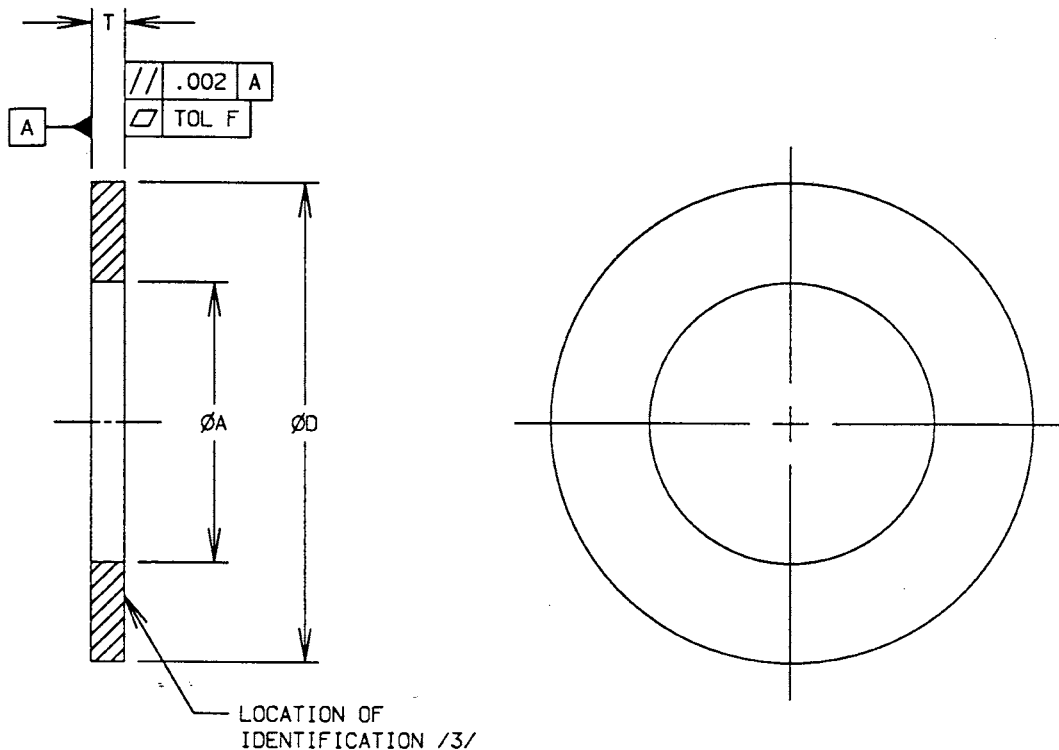


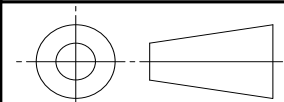
FIGURE 1 - WASHER

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. AS5171 /10/ SIZE AND THICKNESS CODE	(NOMINAL TUBE SIZE)	A			D		T		LB/100 MAX ALUM	LB/100 MAX STEEL, CRES
		±.005	+ .020/- .005	F	ALUM	STEEL, CRES	STEEL, CRES	ALUM		
02-16	.125	.338	.562	.007	.013-.019	.014-.018	.0290	.0842		
02-32	.125	.338	.562	.007	.028-.036	.028-.036	.0581	.168		
02-63	.125	.338	.562	.007	.057-.069	.057-.069	.114	.332		
03-16	.188	.400	.625	.007	.013-.019	.014-.018	.0332	.0962		
03-32	.188	.400	.625	.007	.028-.036	.028-.036	.0664	.192		
03-63	.188	.400	.625	.007	.057-.069	.057-.069	.131	.379		
04-16	.250	.462	.750	.007	.013-.019	.014-.018	.0498	.144		
04-32	.250	.462	.750	.007	.028-.036	.028-.036	.0996	.289		
04-63	.250	.462	.750	.007	.057-.069	.057-.069	.196	.569		

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS5171>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE /4/



AEROSPACE STANDARD

WASHER, FLAT, FITTING,
FLARED AND FLARELESS

AS5171
SHEET 1 OF 3

Documents

TABLE 1A - DIMENSIONS AND WEIGHTS

BASIC NO. AS5171 /10/ SIZE AND THICKNESS CODE	(NOMINAL TUBE SIZE)	A ±.005	D +.020/- .005	F	T ALUM	T STEEL, CRES	LB/100 MAX ALUM	LB/100 MAX STEEL, CRES
05-16	.312	.525	.875	.007	.013-.019	.014-.018	.0696	.202
05-32	.312	.525	.875	.007	.028-.036	.028-.036	.139	.403
05-63	.312	.525	.875	.007	.057-.069	.057-.069	.274	.794
06-16	.375	.588	1.062	.010	.013-.019	.014-.018	.110	.320
06-32	.375	.588	1.062	.010	.028-.036	.028-.036	.221	.640
06-63	.375	.588	1.062	.010	.057-.069	.057-.069	.434	1.26
08-16	.500	.775	1.312	.010	.013-.019	.014-.018	.158	.457
08-32	.500	.775	1.312	.010	.028-.036	.028-.036	.315	.914
08-90	.500	.775	1.312	.010	.083-.097	.082-.098	.887	2.57
10-16	.625	.900	1.500	.010	.013-.019	.014-.018	.202	.586
10-32	.625	.900	1.500	.010	.028-.036	.028-.036	.404	1.17
10-90	.625	.900	1.500	.010	.083-.097	.082-.098	1.14	3.30
12-16	.750	1.088	1.812	.010	.013-.019	.014-.018	.294	.852
12-32	.750	1.088	1.812	.010	.028-.036	.028-.036	.588	1.70
12-90	.750	1.088	1.812	.010	.083-.097	.082-.098	1.65	4.80
14-16	.875	1.212	1.936	.015	.013-.019	.014-.018	.319	.925
14-32	.875	1.212	1.936	.015	.028-.036	.028-.036	.638	1.85
14-90	.875	1.212	1.936	.015	.083-.097	.082-.098	1.79	5.20
16-16	1.000	1.338	2.062	.015	.013-.019	.014-.018	.344	.999
16-32	1.000	1.338	2.062	.015	.028-.036	.028-.036	.689	2.00
16-90	1.000	1.338	2.062	.015	.083-.097	.082-.098	1.94	5.62
20-16	1.250	1.650	2.375	.015	.013-.019	.014-.018	.408	1.18
20-32	1.250	1.650	2.375	.015	.028-.036	.028-.036	.817	2.37
20-90	1.250	1.650	2.375	.015	.083-.097	.082-.098	2.30	6.66
24-16	1.500	1.900	2.625	.015	.013-.019	.014-.018	.459	1.33
24-32	1.500	1.900	2.625	.015	.028-.036	.028-.036	.918	2.66
24-90	1.500	1.900	2.625	.015	.083-.097	.082-.098	2.58	7.49
28-16	1.750	2.275	3.000	.015	.013-.019	.014-.018	.535	1.55
28-32	1.750	2.275	3.000	.015	.028-.036	.028-.036	1.07	3.10
28-90	1.750	2.275	3.000	.015	.083-.097	.082-.098	3.01	8.72
32-16	2.000	2.525	3.250	.015	.013-.019	.014-.018	.586	1.70
32-32	2.000	2.525	3.250	.015	.028-.036	.028-.036	1.17	3.40
32-90	2.000	2.525	3.250	.015	.083-.097	.082-.098	3.29	9.55
40-16	2.500	3.025	3.750	.015	.013-.019	.014-.018	.687	1.99
40-32	2.500	3.025	3.750	.015	.028-.036	.028-.036	1.37	3.98
40-90	2.500	3.025	3.750	.015	.083-.097	.082-.098	3.86	11.2
48-16	3.000	3.525	4.250	.015	.013-.019	.014-.018	.788	2.28
48-32	3.000	3.525	4.250	.015	.028-.036	.028-.036	1.58	4.57
48-90	3.000	3.525	4.250	.015	.083-.097	.082-.098	4.43	12.8



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SHEET 2 OF 3

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