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AS5014

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS5014 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

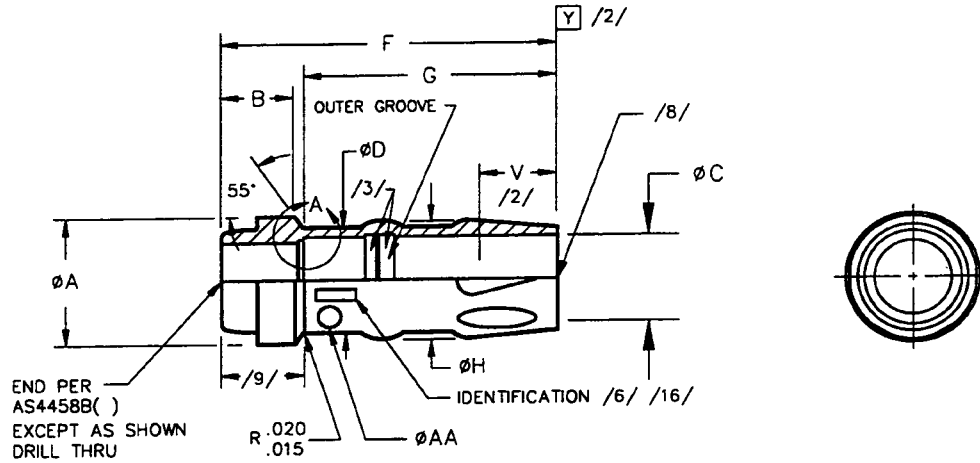


FIGURE 1 - CONFIGURATION FOR SIZE 04 THRU 12 ONLY

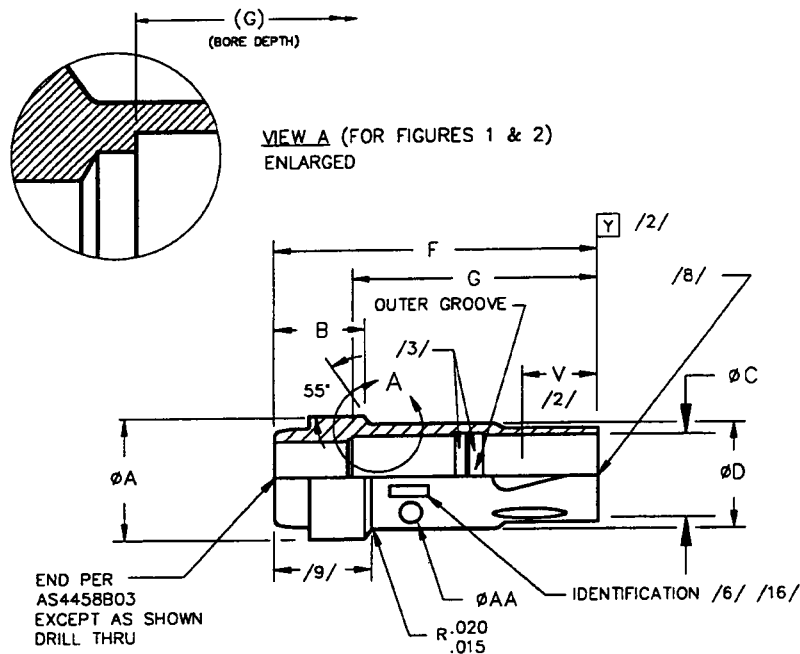
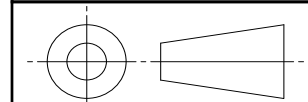


FIGURE 2 - CONFIGURATION FOR SIZE 03 ONLY

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS5014>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4459



AEROSPACE STANDARD

FITTING, SLEEVE, STRAIGHT, FLARELESS,
EXTERNAL SWAGE, HYDRAULIC

AS5014
SHEET 1 OF 3

Documents

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TABLE 1 - DIMENSIONS

BASIC NO. AS5014 /16/ SIZE CODE	NOMINAL TUBE SIZE	A	B	C	D +.000 -.003	F ±.015	G +.000 -.015	H +.000 -.003	V /2/	AA
03	.188	.328/.331	.295	.195/.198	.275	1.040	.750	--	.170/.220	.13
04	.250	.383/.386	.280	.257/.260	.312	1.175	.765	.338	.190/.240	.22
05	.312	.444/.447	.360	.319/.322	.379	1.215	.805	.413	.200/.250	.22
06	.375	.504/.507	.351	.382/.385	.445	1.198	.840	.480	.220/.270	.22
08	.500	.682/.685	.385	.508/.511	.595	1.770	1.343	.655	.410/.435	.50
10	.625	.799/.802	.443	.633/.636	.715	1.777	1.383	.787	.410/.435	.50
12	.750	.964/.970	.537	.758/.761	.861	1.877	1.453	.929	.365/.390	.50

TABLE 2 - WEIGHTS

SIZE CODE NOMINAL TUBE SIZE	03 .188	04 .250	05 .312	06 .375	08 .500	10 .625	12 .750
LB/EA MAX CRES	.0110	.0170	.0200	.0240	.0580	.0690	.0970
LB/EA MAX TITANIUM	.00600	.0100	.0110	.0140	.0330	.0390	.0550
LB/EA MAX ALUMINUM	.00400	.00600	.00700	.00800	.0200	.0240	.0330

NOTES:

/1/ MATERIAL:

- CODE LETTER "L": 21-6-9 CRES BAR PER AMS 5656
- CODE LETTER "E": COMMERCIALLY PURE TITANIUM BAR PER AMS 4921
- CODE LETTER "D": 6061-T6 ALUMINUM ALLOY PER AMS 4150

/2/ FINISH:

- MATERIAL CODE "L": PASSIVATE PER QQ-P-35 TYPE VII, PTFE COAT (GREEN) BORE DIAMETER TO "V" DEPTH, OVERSPRAY ON "Y" PERMISSIBLE.
- MATERIAL CODE "E": PTFE COAT (COLOR BLACK) EXTERIOR SURFACES AND BORE DIAMETER TO "V" DEPTH UNLESS OTHERWISE SPECIFIED, SEE NOTE /9/ /16/. ØAA TO BE FREE OF PTFE COATING.
- MATERIAL CODE "D": CHEMICAL FILM FINISH ENTIRE PART (INCLUDING INTERNAL DIAS) PER MIL-C-5541, CLASS 1A. PTFE COAT (GREEN) EXTERNAL SURFACE, EXCEPT AS NOTED, AND BORE DIAMETER TO "V" DEPTH.

/3/ FILL OUTER GROOVES FOR CRES AND TITANIUM WITH SILICONE ELASTOMER. FILL ALL GROOVES FOR ALUMINUM WITH SILICONE ELASTOMER.

/4/ THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION IN A COMPLETE ASSEMBLY. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.

- SPECIFIC DIMENSIONS AND TOLERANCES NOT DEFINED ON THIS STANDARD SHALL BE SPECIFIED AND CONTROLLED BY THE MANUFACTURER. THE MANUFACTURER IS RESPONSIBLE TO ENSURE COMPATIBILITY WITH THE ASSEMBLY AND COMPLIANCE WITH THE PROCUREMENT SPECIFICATION.



AEROSPACE STANDARD

FITTING, SLEEVE, STRAIGHT, FLARELESS,
EXTERNAL SWAGE, HYDRAULIC

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