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AS5013

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS5013 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

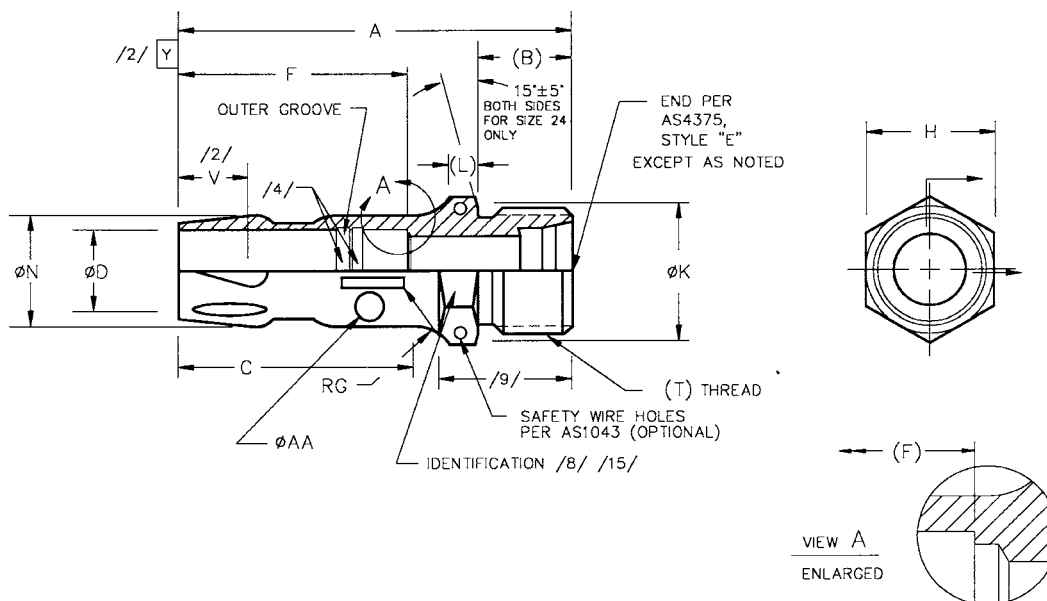


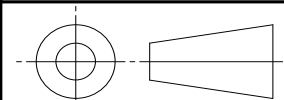
FIGURE 1 - UNION, EXTERNAL SWAGE TO FLARELESS

TABLE 1A - DIMENSIONS A-G

BASIC NO. AS5013 /15/ SIZE CODE	NOMINAL TUBE SIZE	A ±.015	B	C ±.015	D	F +.000 -.015	G
03	.188	1.318	.422	.625	.195/ .198	.750	.125
04	.250	1.484	.453	.730	.257/ .260	.767	.156
05	.312	1.528	.453	.760	.319/ .322	.810	.156
06	.375	1.530	.469	.780	.382/ .385	.845	.170
08	.500	2.332	.562	1.350	.508/ .511	1.350	.250
10	.625	2.357	.625	1.350	.633/ .636	1.350	.250
12	.750	2.460	.688	1.350	.758/ .761	1.460	.250
16	1.000	2.858	.688	1.687	1.008/1.011	1.601	.265
20	1.250	3.050	.688	1.750	1.258/1.262	1.795	.350
24	1.500	2.905	.688	1.750	1.513/1.517	1.828	.150

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<http://www.sae.org/technical/standards/AS5013>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /5/ AS4459



AEROSPACE STANDARD

FITTING, ADAPTER, STRAIGHT FLARELESS,
EXTERNAL SWAGE, HYDRAULIC

AS5013
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Documents

TABLE 1B - DIMENSIONS H-AA

BASIC NO. AS5013 /15/ SIZE CODE	H	K	L	N +.000 -.003	T THREAD CLASS 3A (MIL-S-8879)	V /2/	AA
03	.375	.361	.155	.275	.3750-24 UNJF	.170/.220	.13
04	.437	.420	.163	.338	.4375-20 UNJF	.190/.240	.22
05	.500	.490	.178	.413	.5000-20 UNJF	.200/.250	.22
06	.562	.549	.134	.480	.5625-18 UNJF	.220/.270	.22
08	.750	.736	.225	.655	.7500-16 UNJF	.410/.435	.50
10	.875	.860	.174	.787	.8750-14 UNJF	.410/.435	.50
12	1.062	1.048	.193	.929	1.0625-12 UNJ	.365/.390	.50
16	1.375	1.343	.237	1.257	1.3125-12 UNJ	.325/.350	.50
20	1.750	1.724	.272	1.489	1.6250-12 UNJ	.325/.350	.50
24	2.000	1.970	.283	1.786	1.8750-12 UNJ	.325/.350	.50

TABLE 2- WEIGHTS

SIZE CODE NOMINAL TUBE SIZE	03	04	05	06	08	10	12	16	20	24
	.188	.250	.312	.375	.500	.625	.750	1.00	1.25	1.50
LB/EA MAX CRES	.0160	.0250	.0340	.0370	.102	.132	.187	.386	.772	.818
LB/EA MAX TITANIUM	.00900	.0140	.0190	.0210	.0580	.0750	.106	.219	.439	.465
LB/EA MAX ALUMINUM	.00500	.00900	.0120	.0130	.0350	.0450	.0640	.132	.264	.279

NOTES:

/1/ MATERIAL:

- CODE LETTER "—": 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 QQ-A-225/8

/2/ FINISH:

- MATERIAL CODE "—": PASSIVATE PER QQ-P-35 TYPE VII, PTFE COAT (COLOR GREEN) BORE DIAMETER TO "V" DEPTH, OVERSPRAY ON "Y" PERMISSIBLE.
 - MATERIAL CODE "E": PTFE COAT (COLOR BLACK) EXTERIOR SURFACES AND BORE DIAMETER "V" DEPTH UNLESS OTHERWISE NOTED, SEE NOTE /15/. ϕ AA 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 AND BORE DIAMETER TO "V" DEPTH.
- LIQUID PENETRANT INSPECT PER ASTM E 1417 TYPE 1 SENSITIVITY 2
LINEAR INDICATIONS PROHIBITED, ROUNDED INDICATIONS ACCEPTABLE.
 - FILL OUTER GROOVE FOR CRES AND TITANIUM WITH SILICONE. FILL ALL GROOVES FOR ALUMINUM WITH SILICONE ELASTOMER.

	AEROSPACE STANDARD		AS5013 SHEET 2 OF 3	 Documents
	FITTING, ADAPTER, STRAIGHT FLARELESS, EXTERNAL SWAGE, HYDRAULIC			


Documents

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