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REV.
B

AS5973™

RATIONALE

FEDERAL SUPPLY CLASS
4730

1. REVISE FINISH NOTE 3 TO ALLOW ANODIZE RING OPTION FOR NO CODE CODE PART NUMBERS AND CLARIFY THE INTENDED USAGE OF BLUE COLOR MARKING.
2. REVISE NOTE 14 AND 15 TO CLARIFY THE USAGE OF ANODIZE RINGS.
3. UPDATING STANDARD TO INCLUDE NEW CLASS "D" CODE TO DENOTE USE ON ALUMINUM TUBING. SEE NOTE 18 FOR DETAILS.
4. REVISE NOTE 4 TO CLARIFY PROCUREMENT. WORDING IN ACCORDANCE WITH AS5969 REVISION F.

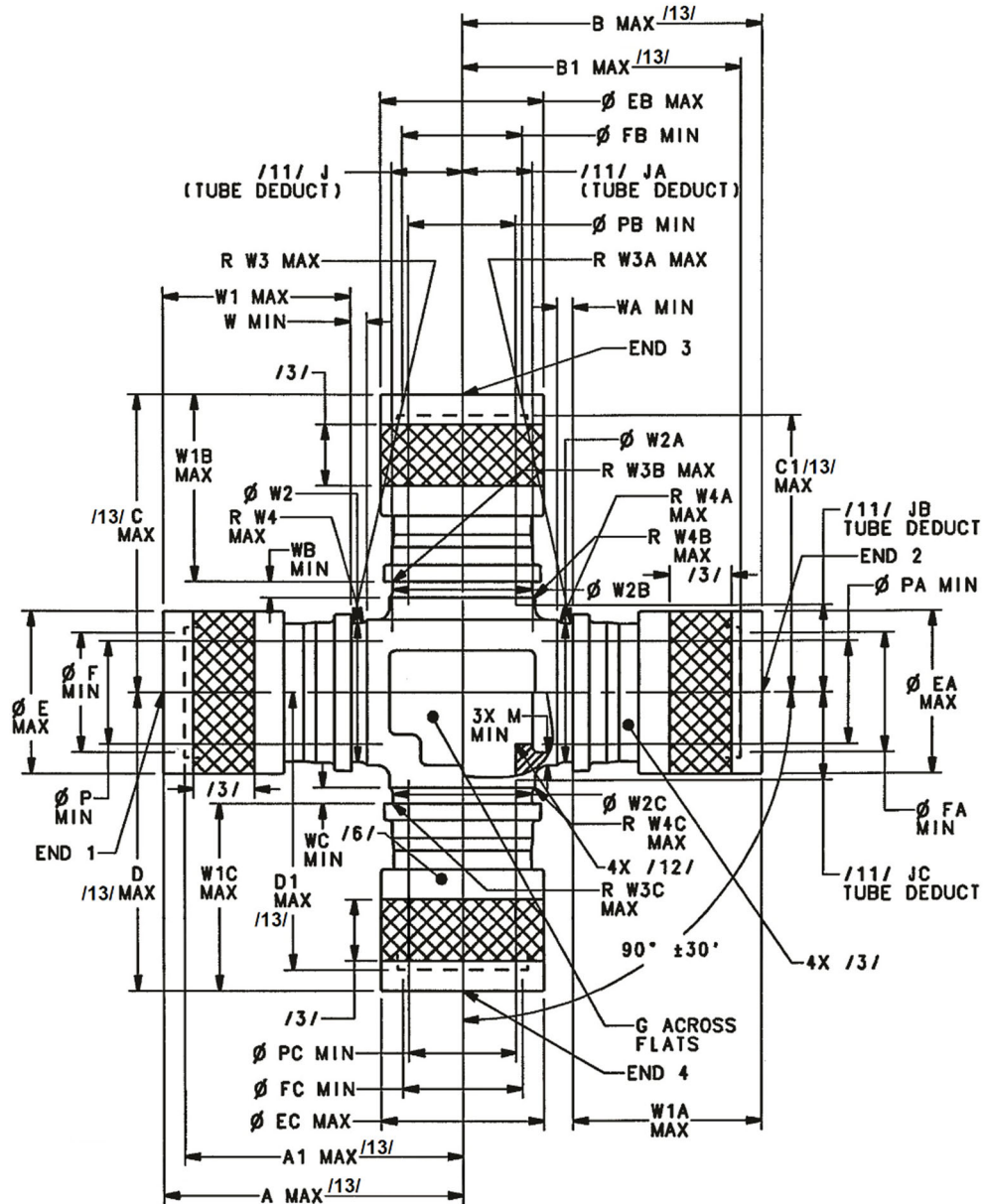
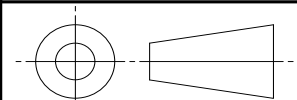


FIGURE 1 - CROSS, AXIAL SWAGE

(SEE TABLE 1A, 1B, 1C, 1D, AND 1F FOR DIMENSIONAL INFORMATION)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5973B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS5958 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, CROSS,
AXIALLY SWAGED,
HYDRAULIC, 5080 PSI

AS5973™
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TABLE 1A - DIMENSIONS A THROUGH D1

BASIC NO. AS5973 /14/ SIZE CODE	NOMINAL TUBE SIZE PORT 1	NOMINAL TUBE SIZE PORT 2	NOMINAL TUBE SIZE PORT 3	NOMINAL TUBE SIZE PORT 4	A MAX	A1 MAX	B MAX	B1 MAX	C MAX	C1 MAX	D MAX	D1 MAX
04040404	.2500	.2500	.2500	.2500	.935	.848	.935	.848	.935	.848	.935	.848
06040404	.3750	.2500	.2500	.2500	1.215	1.099	.998	.911	.998	.911	.998	.911
06060404	.3750	.3750	.2500	.2500	1.215	1.099	1.215	1.099	.998	.911	.998	.911
06040604	.3750	.2500	.3750	.2500	1.215	1.099	.998	.911	1.215	1.099	.998	.911
06060604	.3750	.3750	.3750	.2500	1.215	1.099	1.215	1.099	1.215	1.099	.998	.911
06060606	.3750	.3750	.3750	.3750	1.215	1.099	1.215	1.099	1.215	1.099	1.215	1.099
08060606	.5000	.3750	.3750	.3750	1.516	1.370	1.308	1.192	1.308	1.192	1.308	1.192
08080606	.5000	.5000	.3750	.3750	1.516	1.370	1.516	1.370	1.308	1.192	1.308	1.192
08060806	.5000	.3750	.5000	.3750	1.516	1.370	1.308	1.192	1.516	1.370	1.308	1.192
08080806	.5000	.5000	.5000	.3750	1.516	1.370	1.516	1.370	1.516	1.370	1.308	1.192
08080808	.5000	.5000	.5000	.5000	1.516	1.370	1.516	1.370	1.516	1.370	1.516	1.370
10080808	.6250	.5000	.5000	.5000	1.873	1.669	1.579	1.433	1.579	1.433	1.579	1.433
10100808	.6250	.6250	.5000	.5000	1.873	1.669	1.873	1.669	1.579	1.433	1.579	1.433
10081008	.6250	.5000	.6250	.5000	1.873	1.669	1.579	1.433	1.873	1.669	1.579	1.433
10101008	.6250	.6250	.6250	.5000	1.873	1.669	1.873	1.669	1.873	1.669	1.579	1.433
10101010	.6250	.6250	.6250	.6250	1.873	1.669	1.873	1.669	1.873	1.669	1.873	1.669
12101010	.7500	.6250	.6250	.6250	2.149	1.944	1.998	1.794	1.998	1.794	1.998	1.794
12121010	.7500	.7500	.6250	.6250	2.149	1.944	2.149	1.944	1.998	1.794	1.998	1.794
12101210	.7500	.6250	.7500	.6250	2.149	1.944	1.998	1.794	2.149	1.944	1.998	1.794
12121210	.7500	.7500	.7500	.6250	2.149	1.944	2.149	1.944	2.149	1.944	1.998	1.794
12121212	.7500	.7500	.7500	.7500	2.149	1.944	2.149	1.944	2.149	1.944	2.149	1.944
16121212	1.0000	.7500	.7500	.7500	2.606	2.392	2.308	2.103	2.308	2.103	2.308	2.103
16161212	1.0000	1.0000	.7500	.7500	2.606	2.392	2.606	2.392	2.308	2.103	2.308	2.103
16121612	1.0000	.7500	1.0000	.7500	2.606	2.392	2.308	2.103	2.606	2.392	2.308	2.103
16161612	1.0000	1.0000	1.0000	.7500	2.606	2.392	2.606	2.392	2.608	2.392	2.308	2.103
16161616	1.0000	1.0000	1.0000	1.0000	2.606	2.392	2.606	2.392	2.606	2.392	2.606	2.392
20202020	1.2500	1.2500	1.2500	1.2500	3.020	2.796	3.020	2.796	3.020	2.796	3.020	2.796

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TABLE 1B - DIMENSIONS E THROUGH FC

BASIC NO. AS5973 /14/ SIZE CODE	NOMINAL TUBE SIZE PORT 1	NOMINAL TUBE SIZE PORT 2	NOMINAL TUBE SIZE PORT 3	NOMINAL TUBE SIZE PORT 4	E MAX	EA MAX	EB MAX	EC MAX	F MIN	FA MIN	FB MIN	FC MIN
04040404	.2500	.2500	.2500	.2500	.466	.466	.466	.466	.253	.253	.253	.253
06040404	.3750	.2500	.2500	.2500	.609	.466	.466	.466	.378	.253	.253	.253
06060404	.3750	.3750	.2500	.2500	.609	.609	.466	.466	.378	.378	.253	.253
06040604	.3750	.2500	.3750	.2500	.609	.466	.609	.466	.378	.253	.378	.253
06060604	.3750	.3750	.3750	.2500	.609	.609	.609	.466	.378	.378	.378	.253
06060606	.3750	.3750	.3750	.3750	.609	.609	.609	.609	.378	.378	.378	.378
08060606	.5000	.3750	.3750	.3750	.783	.609	.609	.609	.504	.378	.378	.378
08080606	.5000	.5000	.3750	.3750	.783	.783	.609	.609	.504	.504	.378	.378
08060806	.5000	.3750	.5000	.3750	.783	.609	.783	.609	.504	.378	.504	.378
08080806	.5000	.5000	.5000	.3750	.783	.783	.783	.609	.504	.504	.504	.378
08080808	.5000	.5000	.5000	.5000	.783	.783	.783	.783	.504	.504	.504	.504
10080808	.6250	.5000	.5000	.5000	.939	.783	.783	.783	.629	.504	.504	.504
10100808	.6250	.6250	.5000	.5000	.939	.939	.783	.783	.629	.629	.504	.504
10081008	.6250	.5000	.6250	.5000	.939	.783	.939	.783	.629	.504	.629	.504
10101008	.6250	.6250	.6250	.5000	.939	.939	.939	.783	.629	.629	.629	.504
10101010	.6250	.6250	.6250	.6250	.939	.939	.939	.939	.629	.629	.629	.629
12101010	.7500	.6250	.6250	.6250	1.122	.939	.939	.939	.754	.629	.629	.629
12121010	.7500	.7500	.6250	.6250	1.122	1.122	.939	.939	.754	.754	.629	.629
12101210	.7500	.6250	.7500	.6250	1.122	.939	1.122	.939	.754	.629	.754	.629
12121210	.7500	.7500	.7500	.6250	1.122	1.122	1.122	.939	.754	.754	.754	.629
12121212	.7500	.7500	.7500	.7500	1.122	1.122	1.122	1.122	.754	.754	.754	.754
16121212	1.0000	.7500	.7500	.7500	1.495	1.122	1.122	1.122	1.004	.754	.754	.754
16161212	1.0000	1.0000	.7500	.7500	1.495	1.495	1.122	1.122	1.004	1.004	.754	.754
16121612	1.0000	.7500	1.0000	.7500	1.495	1.122	1.495	1.122	1.004	.754	1.004	.754
16161612	1.0000	1.0000	1.0000	.7500	1.495	1.495	1.495	1.122	1.004	1.004	1.004	.754
16161616	1.0000	1.0000	1.0000	1.0000	1.495	1.495	1.495	1.495	1.004	1.004	1.004	1.004
20202020	1.2500	1.2500	1.2500	1.2500	1.758	1.758	1.758	1.758	1.255	1.255	1.255	1.255

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