FEDERAL SUPPLY CLASS
4730

RATIONALE

THIS STANDARD WAS PREPARED TO PROVIDE AN ENVELOPE REQUIREMENTS FOR AN AXIALLY SWAGED, FIELD ATTACHABLE, 5000 PSI, TUBE FITTING.

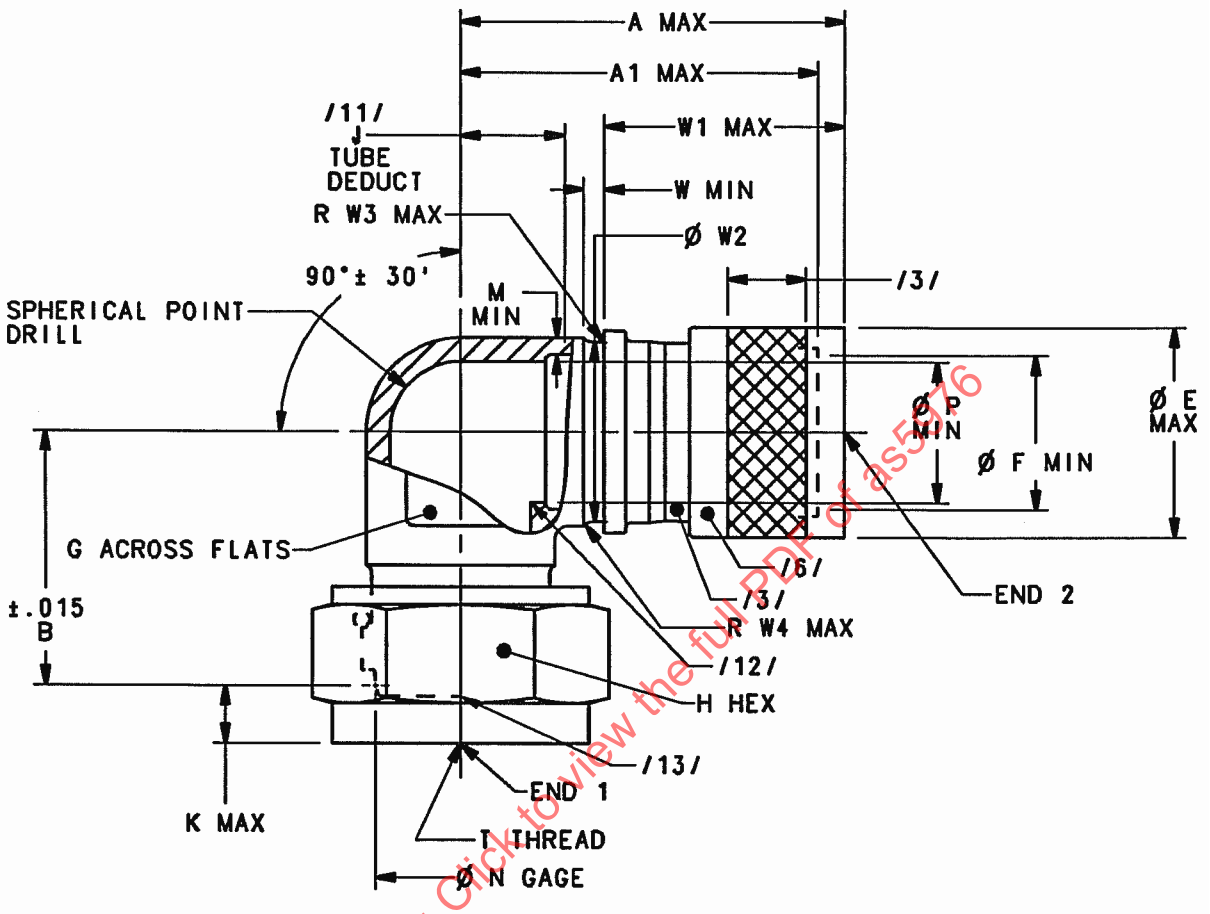
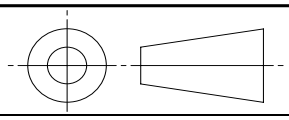


FIGURE 1 - ADAPTER, 90°, SWAGE

SAENORM.COM : Click to view the full PDF of as5976

THIRD ANGLE PROJECTION



ISSUED 2006-01

CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: AS5958

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING ASSEMBLY, 90°, FEMALE FLARELESS, AXIALLY SWAGED, HYDRAULIC, 5080 PSI

AS5976
SHEET 1 OF 3

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright 2006 SAE International
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: **Tel: 877-606-7323 (inside USA and Canada)** **Tel: 724-776-4970 (outside USA)**
Fax: 724-776-0790 **Email: custsvc@sae.org** **SAE WEB ADDRESS: http://www.sae.org**

TABLE 1A - DIMENSIONS A THROUGH K

BASIC NO. AS5976 /14/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A	A1	B	E	F	G	(H)	J /11/ TUBE DEDUCT		K
0404	.2500	.2500	.935	.848	.878	.466	.253	.348/.380	.563	.353	±.150	.325
0604	.3750	.2500	.998	.911	1.040	.466	.253	.477/.509	.688	.416	±.150	.337
0406	.2500	.3750	1.215	1.099	.937	.609	.378	.477/.509	.563	.416	±.150	.325
0606	.3750	.3750	1.215	1.099	1.040	.609	.378	.477/.509	.688	.416	±.150	.337
0806	.5000	.3750	1.308	1.192	1.229	.609	.378	.615/.647	.875	.509	±.150	.380
0608	.3750	.5000	1.516	1.370	1.133	.783	.504	.615/.647	.688	.517	±.175	.337
0808	.5000	.5000	1.516	1.370	1.229	.783	.504	.615/.647	.875	.517	±.175	.380
1008	.6250	.5000	1.579	1.433	1.435	.783	.504	.751/.783	1.000	.580	±.175	.407
0810	.5000	.6250	1.873	1.669	1.310	.939	.629	.751/.783	.875	.580	±.175	.380
1010	.6250	.6250	1.873	1.669	1.435	.939	.629	.751/.783	1.000	.580	±.175	.407
1210	.7500	.6250	1.998	1.794	1.592	.939	.629	.893/.929	1.250	.705	±.175	.433
1012	.6250	.7500	2.149	1.944	1.560	1.122	.754	.893/.929	1.000	.712	±.175	.407
1212	.7500	.7500	2.149	1.944	1.592	1.122	.754	.893/.929	1.250	.712	±.175	.433
1612	1.0000	.7500	2.308	2.103	1.862	1.122	.754	1.181/1.213	1.500	.878	±.175	.437
1216	.7500	1.0000	2.606	2.392	1.766	1.495	1.004	1.181/1.213	1.250	.878	±.200	.433
1616	1.0000	1.0000	2.606	2.392	1.862	1.495	1.004	1.181/1.213	1.500	.878	±.200	.437

TABLE 1B - DIMENSIONS M THROUGH W4 AND WEIGHTS

BASIC NO. AS5976 /14/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	M	Ø N GAGE	P	T THREAD PER AS8879	W	W1	W2 ±.0015	W3	W4	MAX WEIGHT LBS/EA
0404	.2500	.2500	.043	.2930	.198	.4375-28UNJEF-3B	.123	.488	.3005	.018	.065	.034
0604	.3750	.2500	.045	.4160	.198	.5625-24UNJEF-3B	.123	.488	.3005	.018	.065	.051
0406	.2500	.3750	.045	.2930	.302	.4375-28UNJEF-3B	.153	.675	.4475	.033	.065	.043
0606	.3750	.3750	.045	.4160	.302	.5625-24UNJEF-3B	.153	.675	.4475	.033	.065	.060
0806	.5000	.3750	.052	.5600	.302	.7500-20UNJEF-3B	.153	.675	.4475	.033	.065	.090
0608	.3750	.5000	.052	.4160	.401	.5625-24UNJEF-3B	.165	.871	.5945	.033	.129	.088
0808	.5000	.5000	.052	.5600	.401	.7500-20UNJEF-3B	.165	.871	.5945	.033	.129	.111
1008	.6250	.5000	.057	.6860	.401	.8750-20UNJEF-3B	.165	.871	.5945	.033	.129	.132
0810	.5000	.6250	.057	.5600	.507	.7500-20UNJEF-3B	.140	1.190	.7365	.021	.078	.135
1010	.6250	.6250	.057	.6860	.507	.8750-20UNJEF-3B	.140	1.190	.7365	.021	.078	.195
1210	.7500	.6250	.065	.8100	.507	1.0625-18UNJEF-3B	.140	1.190	.7365	.021	.078	.213
1012	.6250	.7500	.065	.6860	.604	.8750-20UNJEF-3B	.154	1.327	.8805	.024	.089	.223
1212	.7500	.7500	.065	.8100	.604	1.0625-18UNJEF-3B	.154	1.327	.8805	.024	.089	.256
1612	1.0000	.7500	.084	1.0620	.604	1.3125-16UNJ-3B	.154	1.327	.8805	.024	.089	.388
1216	.7500	1.0000	.084	.8100	.802	1.0625-18UNJEF-3B	.167	1.612	1.1725	.027	.099	.434
1616	1.0000	1.0000	.084	1.0620	.802	1.3125-16UNJ-3B	.167	1.612	1.1725	.027	.099	.509

SAENORM.COM : Click to view the full PDF of as5976