

RATIONALE

AS4568B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

REV.
B

AS4568

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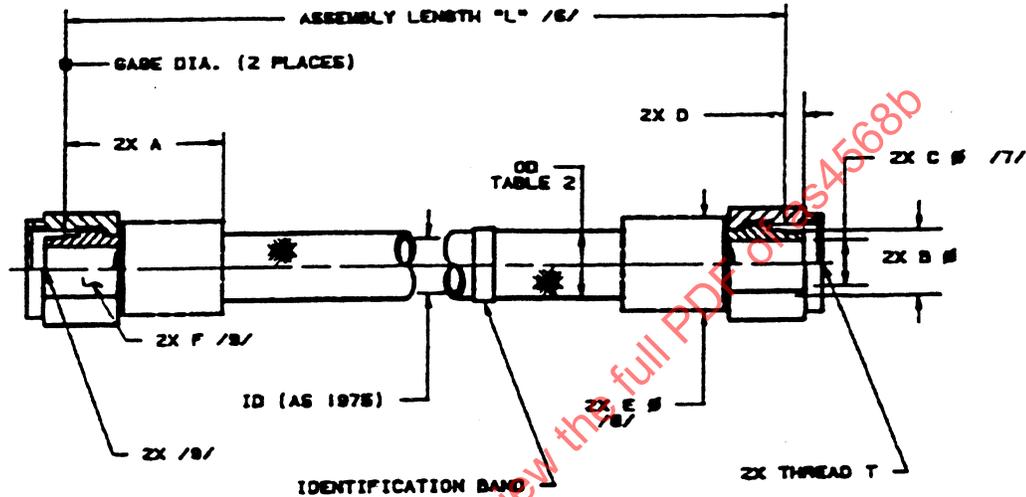
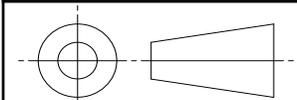


FIGURE 1 - HOSE ASSEMBLY, STRAIGHT TO STRAIGHT

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1975 /2/



AEROSPACE STANDARD

(R) HOSE ASSEMBLY, PTFE, PARA-ARAMID REINFORCED, STANDARD DUTY, 3000 PSI, 275 °F, TITANIUM FITTINGS, FLARELESS, STRAIGHT TO STRAIGHT

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TABLE 1 - ASSEMBLY DIMENSIONS

HOSE ASSEMBLY NO. & SIZE CODE	HOSE SIZE (REF)	/15/ FITTING TYPE (REF)	THREAD T PER AS8879 (REF)	HOSE ID MIN	A MAX	B GAGE BASIC	C /7/ MIN FTG BORE AFTER ASSEMBLY	D (REF)	E /8/ MAX WITHOUT SLEEVING
AS4568E	.250	-							
AS4568E	.250	S	.4375-20UNJF-3B	.212	1.630	.2930	.135	.16	.69
AS4568E	.250	E	.5625-18UNJF-3B	.212	1.695	.4120	.135	.16	.69
AS4568G	.375	R	.4375-20UNJF-3B	.298	1.820	.2930	.135	.16	.80
AS4568G	.375	S	.5625-18UNJF-3B	.298	1.835	.4120	.240	.16	.80
AS4568G	.375	E	.7500-16UNJF-3B	.298	1.915	.5600	.240	.19	.80
AS4568H	.500	R	.5625-18UNJF-3B	.391	2.145	.4120	.240	.16	.97
AS4568H	.500	S	.7500-16UNJF-3B	.391	2.165	.5600	.340	.19	.97
AS4568H	.500	E	.8750-14UNJF-3B	.391	2.675	.6730	.340	.20	.97
AS4568J	.625	R	.7500-16UNJF-3B	.485	2.860	.5600	.340	.19	1.15
AS4568J	.625	S	.8750-14UNJF-3B	.485	2.905	.6730	.410	.20	1.15
AS4568J	.625	E	1.0625-12UNJ-3B	.485	2.920	.8100	.410	.23	1.15
AS4568K	.750	R	.8750-14UNJF-3B	.602	3.240	.6730	.410	.20	1.38
AS4568K	.750	S	1.0625-12UNJ-3B	.602	3.205	.8100	.510	.23	1.38
AS4568K	.750	E	1.3125-12UNJ-3B	.602	3.320	1.0620	.510	.30	1.38
AS4568M	1.000	R	1.0625-12UNJ-3B	.852	3.690	.8100	.510	.23	1.66
AS4568M	1.000	S	1.3125-12UNJ-3B	.852	3.740	1.0620	.760	.30	1.66
AS4568M	1.000	E	1.5625-12UNJ-3B	.852	3.570	1.3160	.760	.04	1.66
AS4568N	1.250	R	1.3125-12UNJ-3B	1.100	4.600	1.0620	.760	.30	2.33
AS4568N	1.250	S	1.5625-12UNJ-3B	1.100	4.330	1.3160	.960	.04	2.33
AS4568N	1.250	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
AS4568P	1.500	-							
AS4568P	1.500	S	TBD	TBD	TBD	TBD	TBD	TBD	TBD
AS4568P	1.500	-							

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TABLE 1 (CONTINUED)

HOSE ASSEMBLY NO. & SIZE CODE	HOSE SIZE (REF)	/15/ FITTING TYPE (REF)	F HEX (REF)	SPHERICAL BALL SIZE FOR DETERMINING MINIMUM HOSE ASSEMBLY ID /7/ IN
AS4568E	.250	-		
AS4568E	.250	S	.56	.122
AS4568E	.250	E	.69	.122
AS4568G	.375	R	.56	.122
AS4568G	.375	S	.69	.216
AS4568G	.375	E	.88	.216
AS4568H	.500	R	.69	.216
AS4568H	.500	S	.88	.306
AS4568H	.500	E	1.00	.306
AS4568J	.625	R	.88	.306
AS4568J	.625	S	1.00	.369
AS4568J	.625	E	1.25	.369
AS4568K	.750	R	1.00	.369
AS4568K	.750	S	1.25	.459
AS4568K	.750	E	1.50	.459
AS4568M	1.000	R	1.25	.459
AS4568M	1.000	S	1.50	.684
AS4568M	1.000	E	1.81	.684
AS4568N	1.250	R	1.50	.684
AS4568N	1.250	S	1.81	.864
AS4568N	1.250	-	TBD	TBD
AS4568P	1.500	-	TBD	TBD
AS4568P	1.500	S	TBD	TBD
AS4568P	1.500	-		


AEROSPACE STANDARD

 (R) HOSE ASSEMBLY, PTFE, PARA-ARAMID REINFORCED,
 STANDARD DUTY, 3000 PSI, 275 °F, TITANIUM
 FITTINGS, FLARELESS, STRAIGHT TO STRAIGHT

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TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETER

SLEEVE CODE	SLEEVE MATERIAL	TEMP LIMIT °F	TOLERANCE	HOSE SIZE							
				/10/	/10/	/10/	/10/	/10/	/10/	/10/	/10/
-	(-) INDICATES BRAIDED HOSE ONLY PER AS1975	275	MAX	.465	.555	.710	.920	1.075	1.365	1.660	TBD
			MIN	.405	.495	.650	.850	.995	1.285	1.580	TBD
A	FIRESLEEVE (AS1072 SIL FG) (5 min) /11/ /12/	275	MAX	.840	.970	1.150	1.380	1.590	1.750	1.950	TBD
			MIN	.658	.788	.968	1.198	1.318	1.568	1.768	TBD
B	FIRESLEEVE INTEGRAL SILICONE (5 min) /13/	275	MAX	TBD							
			MIN	TBD							
C	PROTECTIVE SLEEVE SHRINK-ON (POLYOLEFIN AS1073 CODE B) /21/	275	MAX	.520	.620	.795	1.000	1.170	1.460	TBD	TBD
			MIN	.450	.550	.725	.920	1.060	1.350	TBD	TBD

TABLE 3 - ASSEMBLY LENGTH TOLERANCE

HOSE ASSEMBLY LENGTH	TOLERANCE
UNDER 18 in	±.125 in
18 THRU 36 in EXCLUSIVE	±.250 in
36 THRU 50 in EXCLUSIVE	±.500 in
50 in AND OVER	±1%

TABLE 4 - HOSE AND FITTING WEIGHTS

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	UNITS	HOSE SIZE							
			.250	.375	.500	.625	.750	1.000	1.250	1.500
-	BRAIDED HOSE ONLY PER AS1975	LB/IN (MAX)	.006	.008	.012	.020	.025	.040	.050	TBD
A	FIRESLEEVE AS1072 (5 min PER AS1055) /16/	LB/IN								
B	FIRESLEEVE INTEGRAL WITH HOSE (5 min PER AS1055) /16/	LB/IN								
C	PROTECTIVE SLEEVE SHRINK-ON (POLYOLEFIN AS1073, CODE B) /21/	LB/IN	.001	.001	.001	.002	.002	.003	TBD	TBD
NONE	FIRESLEEVE CLAMP	LB/EA (REF)	.020	.020	.021	.021	.025	.025	.032	TBD
NONE	FITTING END (STRAIGHT) TITANIUM /15/ /17/	R LB/EA (REF)	-	.077	.118	.210	.382	.730	TBD	-
		S LB/EA (REF)	.048	.081	.135	.248	.431	.760	TBD	TBD /9/
		E LB/EA (REF)	.068	.115	.193	.296	.546	.890	-	-