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REV.
B

AS4568

FEDERAL SUPPLY CLASS
4720

RATIONALE

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

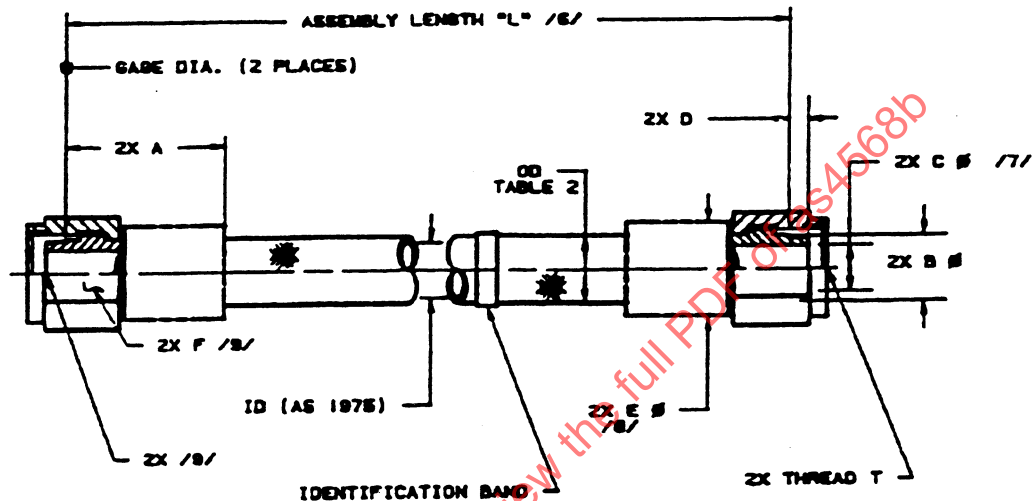
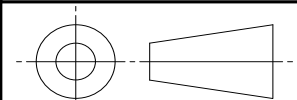


FIGURE 1 - HOSE ASSEMBLY, STRAIGHT TO STRAIGHT

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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 SLEEVEING
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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STANDARD DUTY, 3000 PSI, 275 °F, TITANIUM
FITTINGS, FLARELESS, STRAIGHT TO STRAIGHT

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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	-		

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TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETER

SLEEVE CODE	SLEEVE MATERIAL	TEMP LIMIT °F	TOLERANCE	HOSE SIZE /10/ .250	HOSE SIZE /10/ .375	HOSE SIZE /10/ .500	HOSE SIZE /10/ .625	HOSE SIZE /10/ .750	HOSE SIZE /10/ 1.000	HOSE SIZE /10/ 1.250	HOSE SIZE /10/ 1.500
-	(-) INDICATES BRAIDED HOSE ONLY PER AS1975	275	MAX MIN	.465 .405	.555 .495	.710 .650	.920 .850	1.075 .995	1.365 1.285	1.660 1.580	TBD TBD
A	FIRESLLEEVE (AS1072 SIL FG) (5 min) /11/ /12/	275	MAX MIN	.840 .658	.970 .788	1.150 .968	1.380 1.198	1.590 1.318	1.750 1.568	1.950 1.768	TBD TBD
B	FIRESLLEEVE INTEGRAL SILICONE (5 min) /13/	275	MAX MIN	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
C	PROTECTIVE SLEEVE SHRINK-ON (POLYOLEFIN AS1073 CODE B) /21/	275	MAX MIN	.520 .450	.620 .550	.795 .725	1.000 .920	1.170 1.060	1.460 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	HOSE SIZE .375	HOSE SIZE .500	HOSE SIZE .625	HOSE SIZE .750	HOSE SIZE 1.000	HOSE SIZE 1.250	HOSE SIZE 1.500
-	BRAIDED HOSE ONLY PER AS1975	LB/IN (MAX)	.006	.008	.012	.020	.025	.040	.050	TBD
A	FIRESLLEEVE AS1072 (5 min PER AS1055) /16/	LB/IN								
B	FIRESLLEEVE 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	FIRESLLEEVE CLAMP	LB/EA (REF)	.020	.020	.021	.021	.025	.025	.032	TBD
NONE	FITTING END (STRAIGHT) TITANIUM /15/ /17/	R LB/EA (REF) S LB/EA (REF) E LB/EA (REF)	- .048 .068	.077 .081 .115	.118 .135 .193	.210 .248 .296	.382 .431 .546	.730 .760 .890	TBD TBD -	- TBD /9/ -



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