

AS4568

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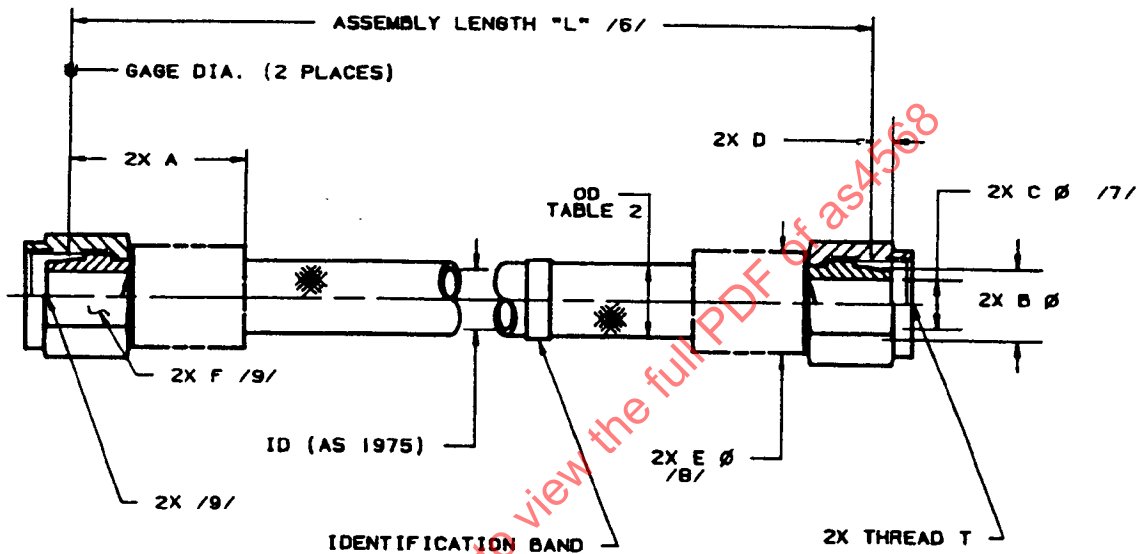


FIGURE 1 - HOSE ASSEMBLY, STRAIGHT TO STRAIGHT

CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: AS1975 /2/

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AEROSPACE STANDARD

HOSE ASSEMBLY, PTFE, ARAMID REINFORCED
STANDARD DUTY, 4000/3000 psi, 275 °F, TITANIUM
FITTINGS, FLARELESS, STRAIGHT TO STRAIGHT

AS4568

SHEET 1 OF 7

TABLE 1 - ASSEMBLY DIMENSIONS

HOSE ASSEMBLY NO. & SIZE CODE	HOSE SIZE (REF)	/15/ FITTING TYPE (REF)	THREAD T PER MIL-S-8879 (REF)	IO MIN (REF)	A MAX	B GAGE ϕ BASIC	C /7/ MIN FTG BORE ϕ AFTER ASSEMBLY	O (REF)	E /8/ ϕ 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	1.725	.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	-							

TABLE 1 (Continued)

HOSE ASSEMBLY NO. & SIZE CODE	HOSE SIZE (REF)	/15/ FITTING TYPE (REF)	F HEX (REF)	BALL SIZE MIN THRU ϕ /7/ MS19059 DASH NO.	BALL SIZE MIN THRU ϕ /7/ ϕ IN
AS4568E	.250	-			
AS4568E	.250	S	.56	4807	.109
AS4568E	.250	E	.69	4807	.109
AS4568G	.375	R	.56	4807	.109
AS4568G	.375	S	.69	4812	.188
AS4568G	.375	E	.88	4812	.188
AS4568H	.500	R	.69	4812	.188
AS4568H	.500	S	.88	4816	.313
AS4568H	.500	E	1.00	4816	.313
AS4568J	.625	R	.88	4816	.313
AS4568J	.625	S	1.00	4818	.375
AS4568J	.625	E	1.25	4818	.375
AS4568K	.750	R	1.00	4818	.375
AS4568K	.750	S	1.25	4821	.469
AS4568K	.750	E	1.50	4821	.469
AS4568M	1.000	R	1.25	4821	.469
AS4568M	1.000	S	1.50	4829	.719
AS4568M	1.000	E	1.81	4829	.719
AS4568N	1.250	R	1.50	4829	.719
AS4568N	1.250	S	1.81	4834	.875
AS4568N	1.250	-	TBD	TBD	TBD
AS4568P	1.500	-	TBD	TBD	TBD
AS4568P	1.500	S	TBD	TBD	TBD
AS4568P	1.500	-			

TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETER

SLEEVE CODE	SLEEVE MATERIAL	TEMP LIMIT °F	TOLERANCE		HOSE SIZE /10/		HOSE SIZE /10/		HOSE SIZE /10/		HOSE SIZE /10/		HOSE SIZE /10/	
			MAX	MIN	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
-	(-) INDICATES BRAIDED HOSE ONLY PER AS1975	275	.465	.555	.250	.375	.500	.625	.750	1.000	1.250	1.500	TBD	TBD
A	FIRE SLEEVE (AS1072 SIL FG) (5 min) /11/ /12/	275	.840	.970	.658	.788	1.150	1.380	1.590	1.750	1.950	1.768	TBD	TBD
B	FIRE SLEEVE INTEGRAL SILICONE (5 min) /13/	275	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
C	PROTECTIVE SLEEVE SHRINK-ON (POLYOLEFIN AS1073 CODE B) /21/	275	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

TABLE 3 - ASSEMBLY PROCUREMENT LENGTHS

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 in	(NOT LESS THAN) .125 in	±.125 in
18 THRU 36 in	(NOT LESS THAN) .250 in	±.250 in
OVER 36 THRU 50 in	(NOT LESS THAN) .500 in	±.500 in
OVER 50 in	(NOT LESS THAN) 1.000 in	±1%

TABLE 4 - MAXIMUM HOSE AND FITTING WEIGHTS

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	UNITS	HOSE	HOSE	HOSE	HOSE	HOSE	HOSE	HOSE	HOSE
			SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
-	BRAIDED HOSE ONLY PER AS1975	LB/IN	.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								
NONE	FIRESLLEEVE CLAMP	LB/EA	.020	.020	.021	.021	.025	.025	.032	TBD
NONE	FITTING END (STRAIGHT) TITANIUM /15/ /17/	R LB/EA S LB/EA E LB/EA	- .041 .061	.075 .079 .113	.118 .135 .193	.210 .248 .296	.337 .386 .501	.610 .580 .727	.917 .978 -	- TBD /9/ -