

FEDERAL SUPPLY CLASS
4720REV.
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AS4626

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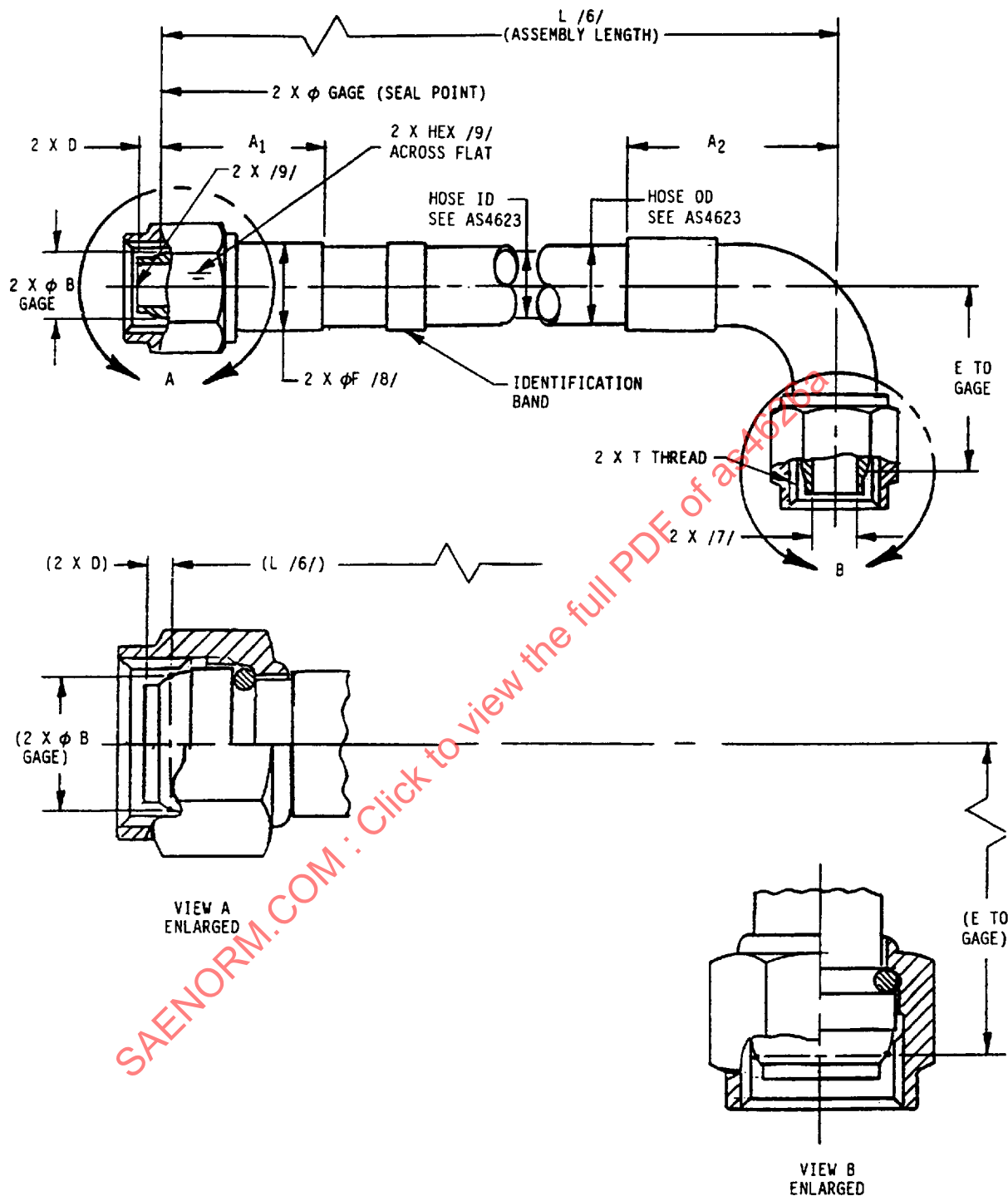


FIGURE 1 - FLARELESS HOSE ASSEMBLY
STRAIGHT TO 90° ELBOW

THIRD ANGLE PROJECTION

CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: /2/ AS4623

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400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, PARA ARAMID
REINFORCED, HEAVY-DUTY, 275 °F, 3000 psi FLARELESS,
TITANIUM FITTINGS, INCLUDING JUMP SIZE, STRAIGHT TO 90°

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TABLE 1 - HOSE AND FITTING DIMENSIONS

BASIC HOSE ASSEMBLY NO. AS4626 SIZE CODE	(SIZE)	/14/ FITTING TYPE	(THREAD T) (PER MIL-S-8879)	A1 MAX	A2 MAX	B GAGE BASIC	(C) HEX	D	E MAX	E MIN	F MAX	BALL SIZE MIN THRU /7/ MS19059 DASH NO.	BALL SIZE MIN THRU /7/ IN
E	.250	--	--	--	--	--	--	--	--	--	--	--	--
E	.250	S	.4375-20UNJF-3B	1.630	1.880	.2930	.56	.16	.770	.645	.69	4807	.109
E	.250	E	.5625-18UNJF-3B	1.695	1.960	.4120	.69	.16	.840	.715	.69	4807	.109
G	.375	R	.4375-20UNJF-3B	1.740	2.180	.2930	.56	.16	.770	.645	.80	4807	.109
G	.375	S	.5625-18UNJF-3B	1.835	2.180	.4120	.69	.16	.880	.715	.80	4812	.188
G	.375	E	.7500-16UNJF-3B	1.930	2.538	.5600	.88	.19	.970	.845	.80	4812	.188
H	.500	R	.5625-18UNJF-3B	2.145	2.538	.4120	.69	.16	.880	.715	.97	4812	.188
H	.500	S	.7500-16UNJF-3B	2.165	2.538	.5600	.88	.19	.970	.845	.97	4816	.313
H	.500	E	.8750-14UNJF-3B	2.675	2.780	.6730	1.00	.20	1.210	1.085	.97	4816	.313
J	.625	R	.7500-16UNJF-3B	2.860	3.375	.5600	.88	.19	.970	.845	1.15	4816	.313
J	.625	S	.8750-14UNJF-3B	2.905	3.375	.6730	1.00	.20	1.210	1.085	1.15	4818	.375
J	.625	E	1.0625-12UNJ-3B	2.920	3.665	.8100	1.25	.23	1.400	1.275	1.15	4818	.375
K	.750	R	.8750-14UNJF-3B	3.240	3.940	.6730	1.00	.20	1.210	1.085	1.38	4818	.375
K	.750	S	1.0625-12UNJ-3B	3.205	3.940	.8100	1.25	.23	1.400	1.275	1.38	4821	.469
K	.750	E	1.3125-12UNJ-3B	3.370	4.110	1.0620	1.50	.30	1.625	1.500	1.38	4821	.469
M	1.000	R	1.0625-12UNJ-3B	3.690	4.510	.8100	1.25	.23	1.400	1.275	1.66	4821	.469
M	1.000	S	1.3125-12UNJ-3B	3.740	4.510	1.0620	1.50	.30	1.625	1.500	1.66	4829	.719
M	1.000	E	1.5625-12UNJ-3B	3.570	4.740	1.3160	1.81	.04	1.825	1.700	1.66	4829	.719
N	1.250	--	--	--	--	--	--	--	--	--	--	--	--
N	1.250	S	1.5625-12UNJ-3B	4.330	5.310	1.3160	1.81	.04	1.825	1.700	2.32	4834	.875
N	1.250	--	--	--	--	--	--	--	--	--	--	--	--

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TITANIUM FITTINGS, INCLUDING JUMP SIZE, STRAIGHT TO 90°

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TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETERS /10/

SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °F	HOSE SIZE .250	HOSE SIZE .375	HOSE SIZE .500	HOSE SIZE .625	HOSE SIZE .750	HOSE SIZE 1.000	HOSE SIZE 1.250
-	(-) INDICATES HOSE ONLY NO SLEEVE (SEE AS4623)	275	--	--	--	--	--	--	--
A	FIRE SLEEVE (AS1072 SIL-FG) (5 min) /11/ /12/ /13/	275	.930/.730	1.070/.880	1.205/1.015	1.370/1.130	1.590/1.380	1.847/1.677	2.130/1.950
B	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073-CODE B) /20/	275	.596/.524	.760/.680	.905/.825	1.030/.940	1.302/1.198	1.599/1.495	1.884/1.776

TABLE 3 - HOSE ASSEMBLY LENGTH TOLERANCES

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

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TABLE 4 - WEIGHTS

HOSE OR SLEEVE CODE	HOSE PART OR 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 ONLY (SEE AS4623)	LB/IN	--	--	--	--	--	--	--
A	FIRE SLEEVE (AS1072 SIL-FG) (5 min) /15/	LB/IN	--	--	--	--	--	--	--
B	ABRASION SLEEVE (AS1073B) /20/	LB/IN	.0006	.0012	.0018	.0018	.0032	.0032	.0049
NONE	FIRE SLEEVE CLAMP	LB/EA	.020	.020	.021	.021	.025	.025	.032
NONE	FITTING END (STRAIGHT) /14/ /16/	R LB/EA	--	.077	.118	.186	.427	.823	--
NONE		S LB/EA	.054	.081	.135	.200	.476	.853	TBD /9/
NONE		E LB/EA	.074	.115	.193	.267	.591	1.000	--
NONE	FITTING END (90°) /14/ /16/	R LB/EA	--	.110	.143	.275	.460	.777	--
NONE		S LB/EA	.077	.121	.176	.297	.560	.947	TBD /9/
NONE		E LB/EA	.099	.154	.242	.410	.740	1.072	--

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