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REV.
B

AS4626

FEDERAL SUPPLY CLASS
4720

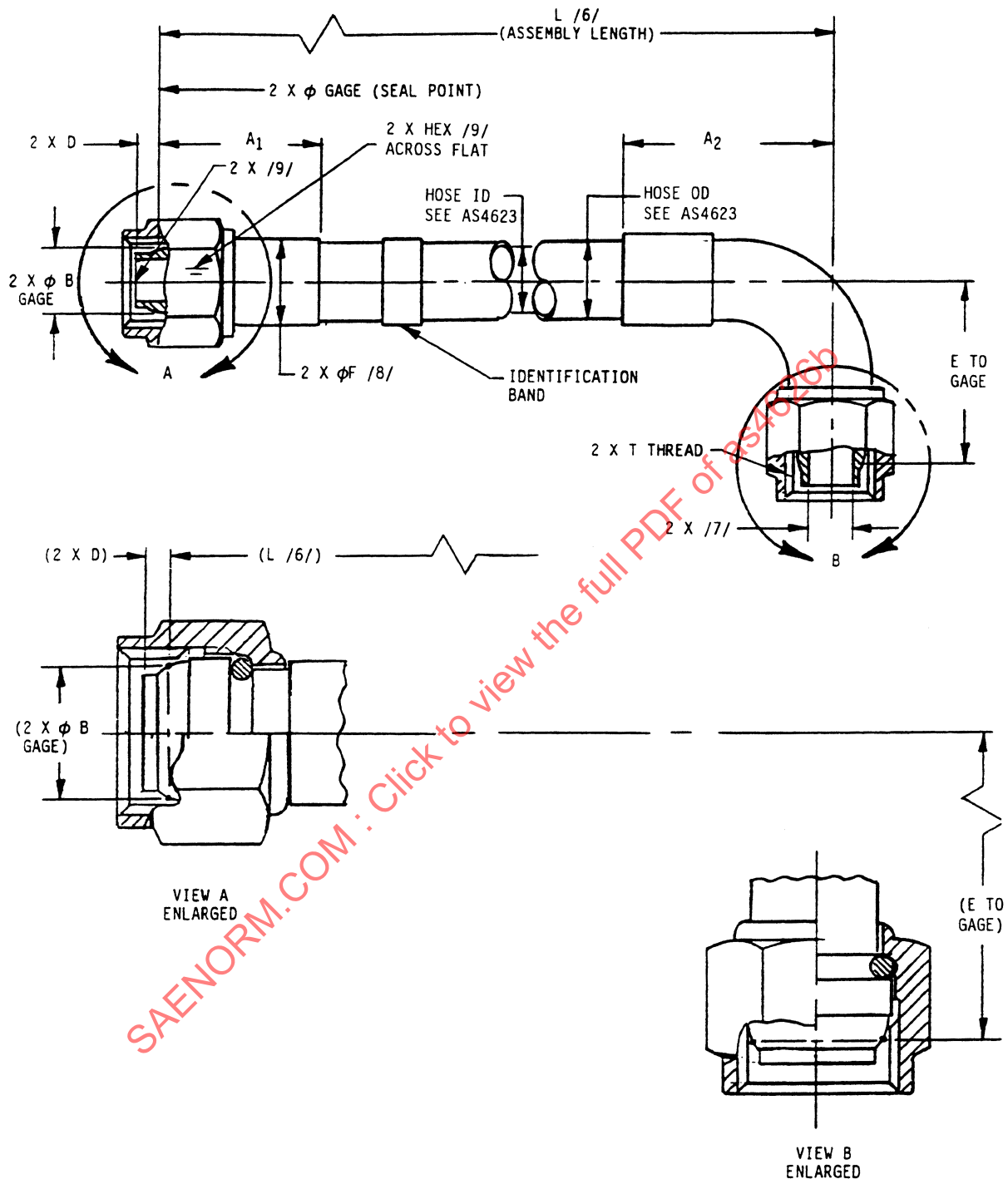
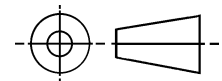


FIGURE 1 - FLARELESS HOSE ASSEMBLY
STRAIGHT TO 90° ELBOW

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: /2/ AS4623

SAE Aerospace
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AEROSPACE STANDARD

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

AS4626
SHEET 1 OF 6

**REV.
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ISSUED 1992-06-25 REVISED 2001-01 REAFFIRMED 2004-06

TABLE 1 - HOSE AND FITTING DIMENSIONS

BASIC HOSE ASSEMBLY		/14/ FITTING TYPE	THREAD T PER AS8879	A1 MAX	A2 MAX	B GAGE (C)		E		E		F		BALL SIZE MIN THRU /7/ IN
NO. AS4626	SIZE CODE					BASIC	HEX	D	MAX	MIN	MAX	MIN	MAX	
E	.250	--	--	--	--	--	--	--	--	--	--	--	--	
E	.250	S	.4375-20UNJF-3B	1.630	1.880	.2930	.56	.16	.770	.645	.69			.109
E	.250	E	.5625-18UNJF-3B	1.695	1.960	.4120	.69	.16	.840	.715	.69			.109
G	.375	R	.4375-20UNJF-3B	1.740	2.180	.2930	.56	.16	.770	.645	.80			.109
G	.375	S	.5625-18UNJF-3B	1.835	2.180	.4120	.69	.16	.880	.715	.80			.188
G	.375	E	.7500-16UNJF-3B	1.930	2.538	.5600	.88	.19	.970	.845	.80			.188
H	.500	R	.5625-18UNJF-3B	2.145	2.538	.4120	.69	.16	.880	.715	.97			.188
H	.500	S	.7500-16UNJF-3B	2.165	2.538	.5600	.88	.19	.970	.845	.97			.313
H	.500	E	.8750-14UNJF-3B	2.675	2.780	.6730	1.00	.20	1.210	1.085	.97			.313
J	.625	R	.7500-16UNJF-3B	2.860	3.375	.5600	.88	.19	.970	.845	1.15			.313
J	.625	S	.8750-14UNJF-3B	2.905	3.375	.6730	1.00	.20	1.210	1.085	1.15			.375
J	.625	E	1.0625-12UNJ-3B	2.920	3.665	.8100	1.25	.23	1.400	1.275	1.15			.375
K	.750	R	.8750-14UNJF-3B	3.240	3.940	.6730	1.00	.20	1.210	1.085	1.38			.375
K	.750	S	1.0625-12UNJ-3B	3.205	3.940	.8100	1.25	.23	1.400	1.275	1.38			.469
K	.750	E	1.3125-12UNJ-3B	3.320	4.110	1.0620	1.50	.30	1.625	1.500	1.38			.469
M	1.000	R	1.0625-12UNJ-3B	3.690	4.510	.8100	1.25	.23	1.400	1.275	1.66			.469
M	1.000	S	1.3125-12UNJ-3B	3.740	4.510	1.0620	1.50	.30	1.625	1.500	1.66			.719
M	1.000	E	1.5625-12UNJ-3B	3.570	4.740	1.3160	1.81	.04	1.825	1.700	1.66			.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			.875
N	1.250	--	--	--	--	--	--	--	--	--	--			--

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 STL-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 TO 36 in EXCLUSIVE	±.250 in
36 to 50 in EXCLUSIVE	±.500 in
50 in AND OVER	±1%

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 (AS1073 - CODE B) /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	--