

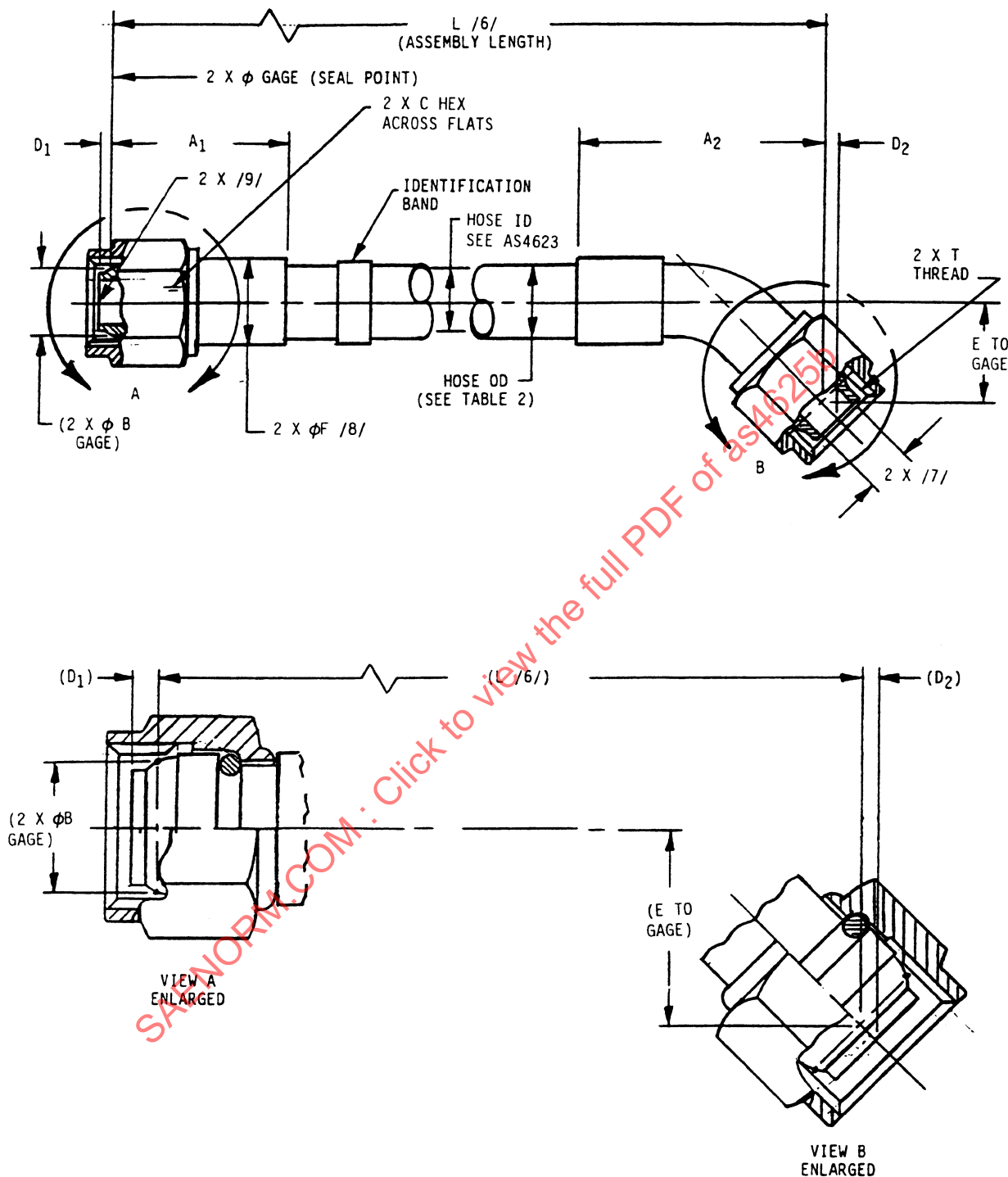
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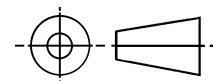
REV.
B

AS4625

FEDERAL SUPPLY CLASS
4720



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 45°

AS4625
SHEET 1 OF 6

**REV.
B**

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ISSUED 1992-06-25 REVISED 2001-01 REAFFIRMED 2004-06

TABLE 1 - HOSE AND FITTING DIMENSIONS

BASIC HOSE ASSEMBLY NO. 4625 SIZE CODE	SIZE	/14/ FITTING TYPE	THREAD T PER AS8879	A1 MAX	A2 MAX	B GAGE (C) BASIC	D1	D2	E MAX	E MIN	F /8/ MAX	BALL SIZE MIN THRU 7/ IN
E	.250	--	--	--	--	--	--	--	--	--	--	--
E	.250	S	.4375-20UNJF-38	1.630	2.160	.2930	.56	.11	.475	.350	.69	.109
E	.250	E	.5625-18UNJF-38	1.695	2.240	.4120	.69	.12	.500	.375	.69	.109
G	.375	R	.4375-20UNJF-38	1.740	2.620	.2930	.56	.11	.475	.350	.80	.109
G	.375	S	.5625-18UNJF-38	1.835	2.460	.4120	.69	.12	.500	.375	.80	.188
G	.375	E	.7500-16UNJF-38	1.930	2.770	.5600	.88	.13	.560	.435	.80	.188
H	.500	R	.5625-18UNJF-38	2.145	2.695	.4120	.69	.12	.500	.375	.97	.188
H	.500	S	.7500-16UNJF-38	2.165	2.740	.5600	.88	.13	.560	.435	.97	.313
H	.500	E	.8750-14UNJF-38	2.675	3.050	.6730	1.00	.20	.670	.545	.97	.313
J	.625	R	.7500-16UNJF-38	2.860	3.685	.5600	.88	.13	.560	.435	1.15	.313
J	.625	S	.8750-14UNJF-38	2.905	3.785	.6730	1.00	.20	.670	.545	1.15	.375
J	.625	E	1.0625-12UNJ-38	2.920	3.875	.8100	1.25	.23	.705	.580	1.15	.375
K	.750	R	.8750-14UNJF-38	3.240	4.760	.6730	1.00	.20	.670	.545	1.38	.375
K	.750	S	1.0625-12UNJ-38	3.205	4.810	.8100	1.25	.23	.705	.580	1.38	.469
K	.750	E	1.3125-12UNJ-38	3.320	5.140	1.0620	1.50	.30	.840	.715	1.38	.469
M	1.000	R	1.0625-12UNJ-38	3.690	5.350	.8100	1.25	.23	.705	.580	1.66	.469
M	1.000	S	1.3125-12UNJ-38	3.740	5.540	1.0620	1.50	.30	.840	.715	1.66	.719
M	1.000	E	1.5625-12UNJ-38	3.570	5.760	1.3160	1.81	.04	.875	.750	1.66	.719
N	1.250	--	--	--	--	--	--	--	--	--	--	--
N	1.250	S	1.5625-12UNJ-38	4.330	6.770	1.3160	1.81	.04	.875	.750	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 - MAXIMUM HOSE AND FITTING WEIGHTS

HOSE OR SLEEVE CODE	HOSE, PORT OR SLEEVE	UNITS	REFERENCE WEIGHT LB/IN HOSE SIZE	REFERENCE WEIGHT LB/IN HOSE SIZE	REFERENCE WEIGHT LB/IN HOSE SIZE	REFERENCE WEIGHT LB/IN HOSE SIZE	REFERENCE WEIGHT LB/IN HOSE SIZE	REFERENCE WEIGHT LB/IN HOSE SIZE
--	HOSE ONLY (SEE AS4623)	LB/IN	--	--	--	--	--	--
A	FIRE SLEEVE (AS1072 SIL-F6) (5 min) /15/	LB/IN	--	--	--	--	--	--
B	ABRASION SLEEVE (AS1073 - CODE B) /20/	LB/IN	.0006	.0012	.0018	.0032	.0032	.0049
NONE	FIRE SLEEVE CLAMP	LB/EA	.020	.020	.021	.025	.025	.032
NONE	FITTING END (STRAIGHT) /14/ /16/	R LB/EA	--	.077	.118	.427	.823	--
NONE		S LB/EA	.054	.081	.135	.476	.853	TBD /9/
NONE		E LB/EA	.074	.115	.193	.591	1.000	--
NONE	FITTING END (45°) /14/ /16/	R LB/EA	--	.099	.132	.454	.839	--
NONE		S LB/EA	.066	.110	.154	.535	.944	TBD /9/
NONE		E LB/EA	.088	.143	.209	.690	1.029	--