

REV.
C

SAE AS4626

RATIONALE

FEDERAL SUPPLY CLASS
4720

ADDED "K" CODE SLEEVE WITH CUFF.

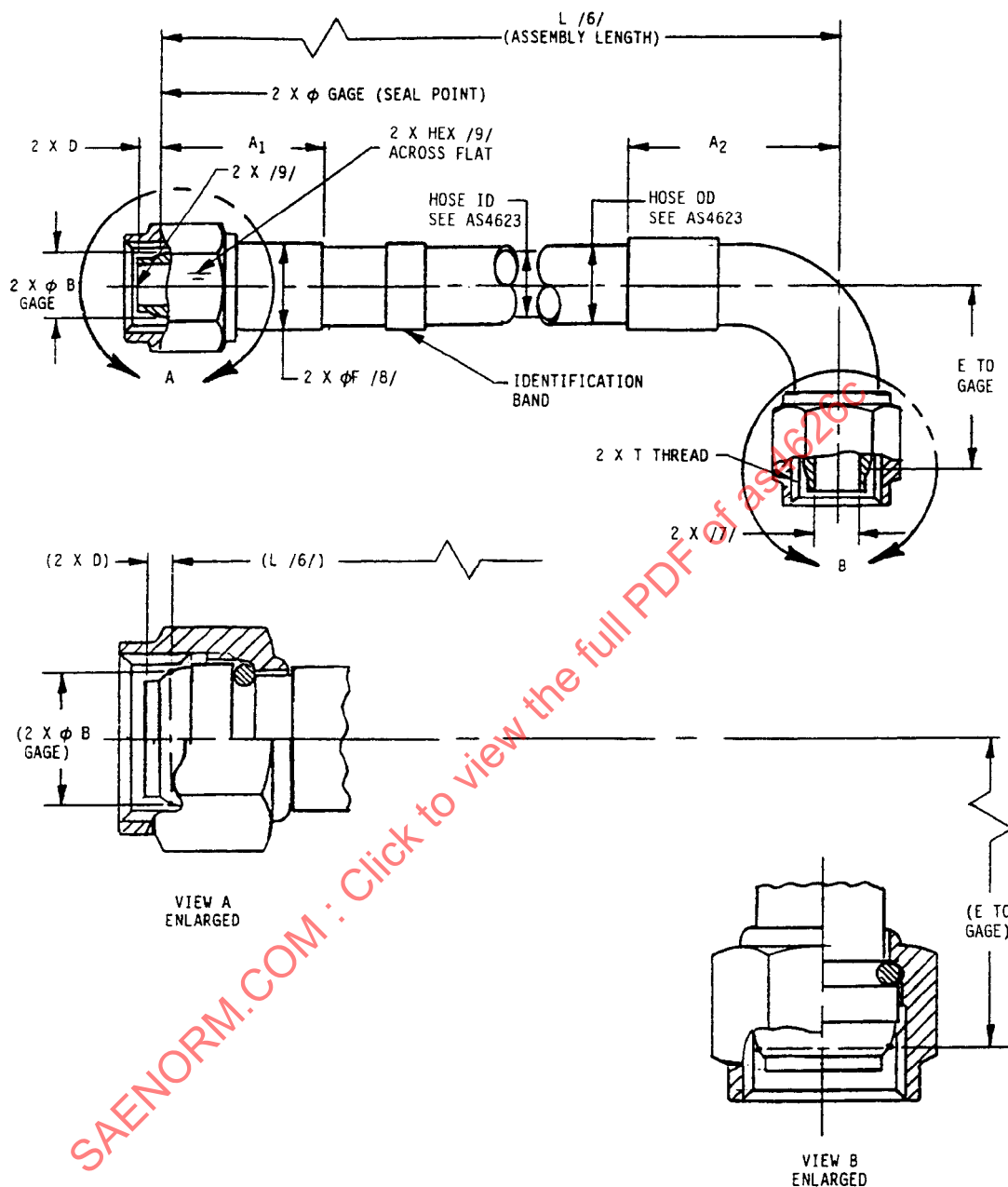
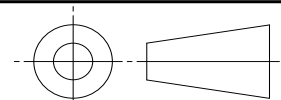


FIGURE 1 - FLARELESS HOSE ASSEMBLY
STRAIGHT TO 90° ELBOW

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4626C>

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: /2/ AS4623

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

SAE AS4626
SHEET 1 OF 6

REV.
C

TABLE 1 – HOSE AND FITTING DIMENSIONS

BASIC HOSE ASSEMBLY NO. 4626 SIZE CODE	SIZE	/14/ FITTING TYPE	THREAD T PER AS8879	A ₁ MAX	A ₂ MAX	B GAGE BASIC	(C) HEX	D	E		F		BALL SIZE MIN THRU 7/ IN
									MAX	MIN	MAX	MIN	
E	0.250	--	--	--	--	--	--	--	--	--	--	--	--
E	0.250	S	0.4375-20UNJF-3B	1.630	1.880	0.2930	0.56	0.16	0.770	0.645	0.69	0.69	0.109
E	0.250	E	0.5625-18UNJF-3B	1.695	1.960	0.4120	0.69	0.16	0.840	0.715	0.69	0.69	0.109
G	0.375	R	0.4375-20UNJF-3B	1.740	2.180	0.2930	0.56	0.16	0.770	0.645	0.80	0.80	0.109
G	0.375	S	0.5625-18UNJF-3B	1.835	2.180	0.4120	0.69	0.16	0.880	0.715	0.80	0.80	0.188
G	0.375	E	0.7500-16UNJF-3B	1.930	2.538	0.5600	0.88	0.19	0.970	0.845	0.80	0.80	0.188
H	0.500	R	0.5625-18UNJF-3B	2.145	2.538	0.4120	0.69	0.16	0.880	0.715	0.97	0.97	0.188
H	0.500	S	0.7500-16UNJF-3B	2.165	2.538	0.5600	0.88	0.19	0.970	0.845	0.97	0.97	0.313
H	0.500	E	0.8750-14UNJF-3B	2.675	2.780	0.6730	1.00	0.20	1.210	1.085	0.97	0.97	0.313
J	0.625	R	0.7500-16UNJF-3B	2.860	3.375	0.5600	0.88	0.19	0.970	0.845	1.15	1.15	0.313
J	0.625	S	0.8750-14UNJF-3B	2.905	3.375	0.6730	1.00	0.20	1.210	1.085	1.15	1.15	0.375
J	0.625	E	1.0625-14UNJ-3B	2.920	3.665	0.8100	1.25	0.23	1.400	1.275	1.15	1.15	0.375
K	0.750	R	0.8750-14UNJF-3B	2.240	3.940	0.6730	1.00	0.20	1.210	1.085	1.38	1.38	0.375
K	0.750	S	1.0625-12UNJ-3B	3.205	3.940	0.8100	1.25	0.23	1.400	1.275	1.38	1.38	0.469
K	0.750	E	1.3125-12UNJ-3B	3.320	4.110	1.0620	1.50	0.30	1.625	1.500	1.38	1.38	0.469
M	1.000	R	1.0625-12UNJ-3B	3.690	4.510	0.8100	1.25	0.23	1.400	1.275	1.66	1.66	0.469
M	1.000	S	1.3125-12UNJ-3B	3.740	4.510	1.0620	1.50	0.30	1.625	1.500	1.66	1.66	0.719
M	1.000	E	1.5625-12UNJ-3B	3.570	4.740	1.3160	1.81	0.04	1.825	1.700	1.66	1.66	0.719
N	1.250	--	--	--	--	--	--	--	--	--	--	--	--
N	1.250	S	1.5625-12UNJ-3B	4.330	5.310	1.3160	1.81	0.04	1.825	1.700	2.32	2.32	0.875
N	1.250	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2 – HOSE OR SLEEVE OUTSIDE DIAMETERS /10/

SLEEVE CODE	SLEEVE MATERIAL	TEMP LIMIT °F	HOSE SIZE 0.250	HOSE SIZE 0.375	HOSE SIZE 0.500	HOSE SIZE 0.625	HOSE SIZE 0.750	HOSE SIZE 1.000	HOSE SIZE 1.250
-	(-) INDICATES HOSE ONLY NO SLEEVE (SEE AS4623)	275	--	--	--	--	--	--	--
A	FIRESLEEVE (AS1072 SIL-FG) (5 MIN) /11/ /12/ /13/	275	0.930/0.730	1.070/0.880	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	0.596/0.524	0.760/0.680	0.905/0.825	1.030/0.940	1.302/1.198	1.599/1.495	1.884/1.776
K	INTEGRAL ABRASION SLEEVE (BRAIDED) POLYESTER /21/	275	0.555/0.635	0.675/0.755	0.840/0.920	0.935/1.025	1.205/1.305	1.502/1.602	1.775/1.875

TABLE 3 – HOSE ASSEMBLY LENGTH TOLERANCES

HOSE ASSEMBLY LENGTH	TOLERANCE
UNDER 18 IN	± 0.125 IN
18 TO 36 IN EXCLUSIVE	± 0.250 IN
36 TO 50 IN EXCLUSIVE	± 0.500 IN
50 IN AND OVER	±1%

TABLE 4 – CUFF LENGTHS

HOSE SIZE	LENGTH (INCHES) ± 0.25
0.250	2.25
0.375	2.75
0.500	3.50
0.625	4.25
0.750	5.75
1.000	6.00
1.250	6.75

TABLE 5 – WEIGHTS

HOST OR SLEEVE CODE	HOSE, PART OR SLEEVE	UNITS	HOSE SIZE 0.250	HOSE SIZE 0.375	HOSE SIZE 0.500	HOSE SIZE 0.625	HOSE SIZE 0.750	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	0.0006	0.0012	0.0018	0.0018	0.0032	0.0032	0.0049
NONE	FIRE SLEEVE CLAMP	LB/EA	0.020	0.020	0.021	0.021	0.025	0.025	0.032
NONE	FITTING END (STRAIGHT) /14/ /16/	R LB/EA	--	0.077	0.118	0.186	0.427	0.823	--
NONE		S LB/EA	0.054	0.081	0.135	0.200	0.476	0.853	TBD /9/
NONE		E LB/EA	0.074	0.115	0.193	0.267	0.591	1.000	--
NONE	FITTING END (90 °) /14/ /16/	R LB/EA	--	0.110	0.143	0.275	0.460	0.777	--
NONE		S LB/EA	0.077	0.121	0.176	0.297	0.560	0.947	TBD /9/
NONE		E LB/EA	0.099	0.154	0.242	0.410	0.740	1.072	--
K	ABRASION SLEEVE	LB/IN	0.013	0.017	0.023	0.026	0.035	0.058	0.078
POLYESTER WITH HOSE /21/									

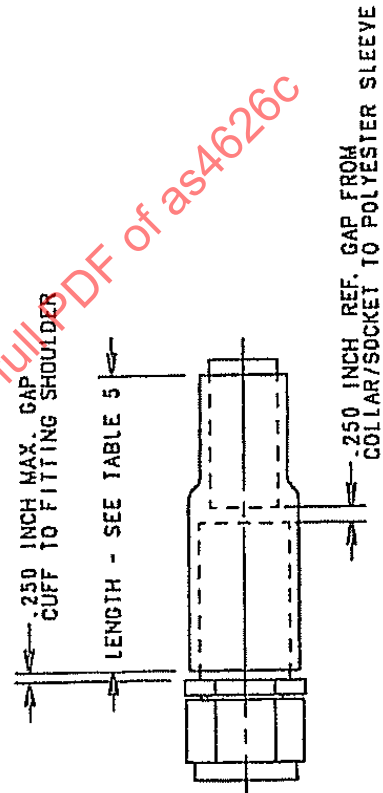


FIGURE 2 – POLYESTER ABRASION SLEEVE CUFF /21/