

REV. C

SAE AS4625

FEDERAL SUPPLY CLASS 4720

RATIONALE

ADDED "K" CODE SLEEVE WITH CUFF.

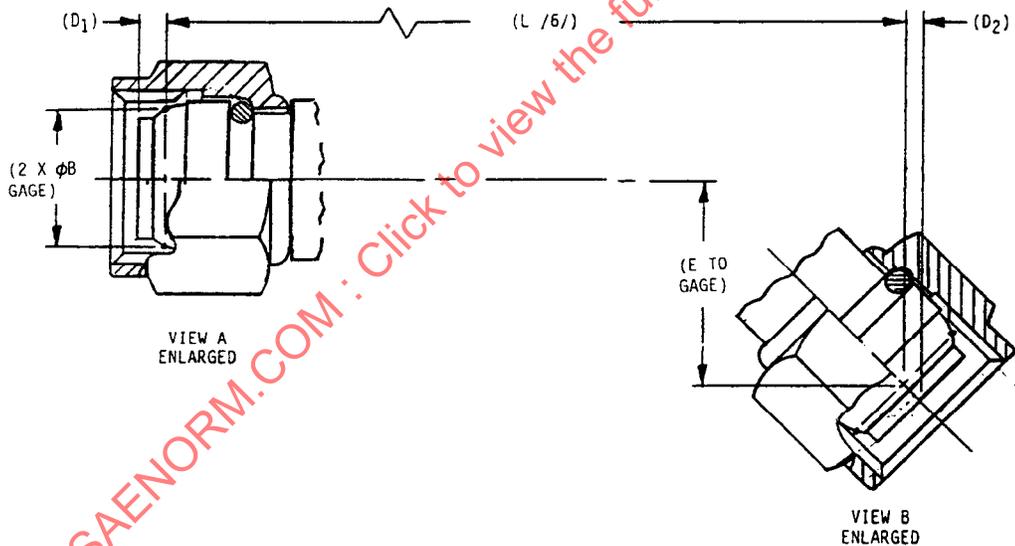
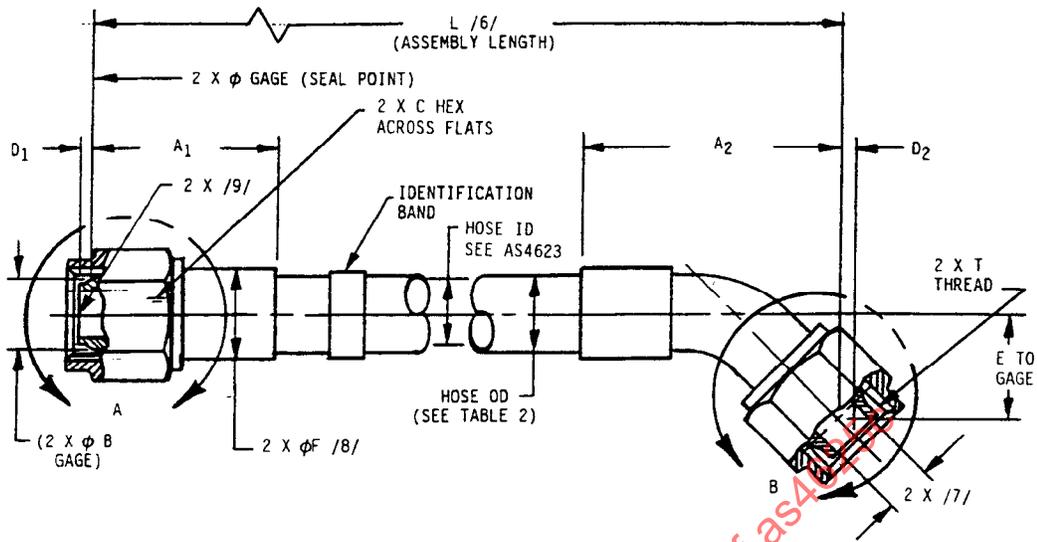
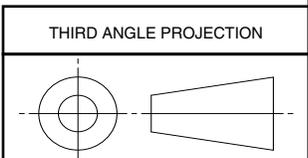


FIGURE 1 - FLARELESS HOSE ASSEMBLY STRAIGHT TO 45° ELBOW

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CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: /2/ AS4623



AEROSPACE STANDARD

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, PARA ARAMID REINFORCED, HEAVY-DUTY, 275 °F, 3000 PSI FLARELESS TITANIUM FITTINGS, INCLUDING JUMP SIZE, STRAIGHT TO 45°

SAE AS4625  
SHEET 1 OF 6

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ISSUED 1992-06 REAFFIRMED 2004-06 REVISED 2009-03



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	FIRE SLEEVE (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 -- MAXIMUM HOSE AND FITTING WEIGHTS

HOST OR SLEEVE CODE	HOSE, PART OR SLEEVE	UNITS	REFERENCE WEIGHT									
			LB/IN	HOSE SIZE								
-	HOSE ONLY (SEE AS4623)	LB/IN	--	0.250	0.375	0.500	0.625	0.750	1.000	1.250	--	--
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	0.0032	0.0032	0.0032	0.0032	0.0049	0.0032	0.0049
NONE	FIRE SLEEVE CLAMP	LB/EA	0.020	0.020	0.021	0.025	0.025	0.025	0.025	0.032	0.025	0.032
NONE	FITTING END (STRAIGHT) /14/ /16/	R LB/EA	--	0.077	0.118	0.186	0.427	0.427	0.823	--	0.823	--
NONE		S LB/EA	0.054	0.081	0.135	0.200	0.476	0.476	0.853	TBD /9/	0.853	TBD /9/
NONE		E LB/EA	0.074	0.115	0.193	0.267	0.591	0.591	1.000	--	1.000	--
NONE	FITTING END (45°) /14/ /16/	R LB/EA	--	0.099	0.132	0.242	0.454	0.454	0.839	--	0.839	--
NONE		S LB/EA	0.066	0.110	0.154	0.275	0.535	0.535	0.944	TBD /9/	0.944	TBD /9/
NONE		E LB/EA	0.088	0.143	0.209	0.385	0.690	0.690	1.029	--	1.029	--
K	ABRASION SLEEVE	LB/IN	0.019	0.017	0.023	0.026	0.035	0.035	0.058	0.078	0.058	0.078
	POLYESTER WITH HOSE /21/											

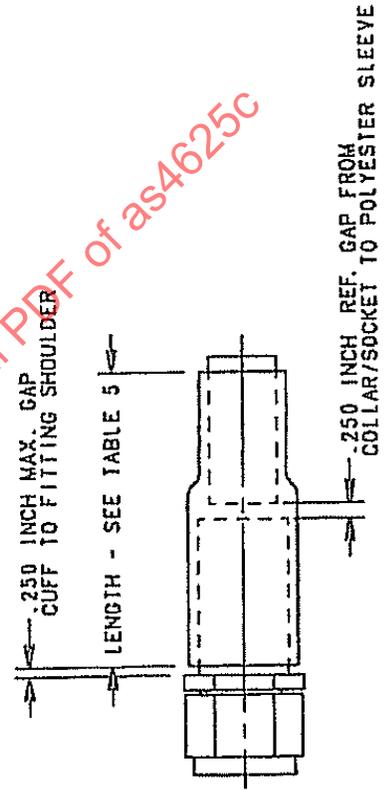


FIGURE 2 -- POLYESTER ABRASION SLEEVE CUFF /21/