

AS4626

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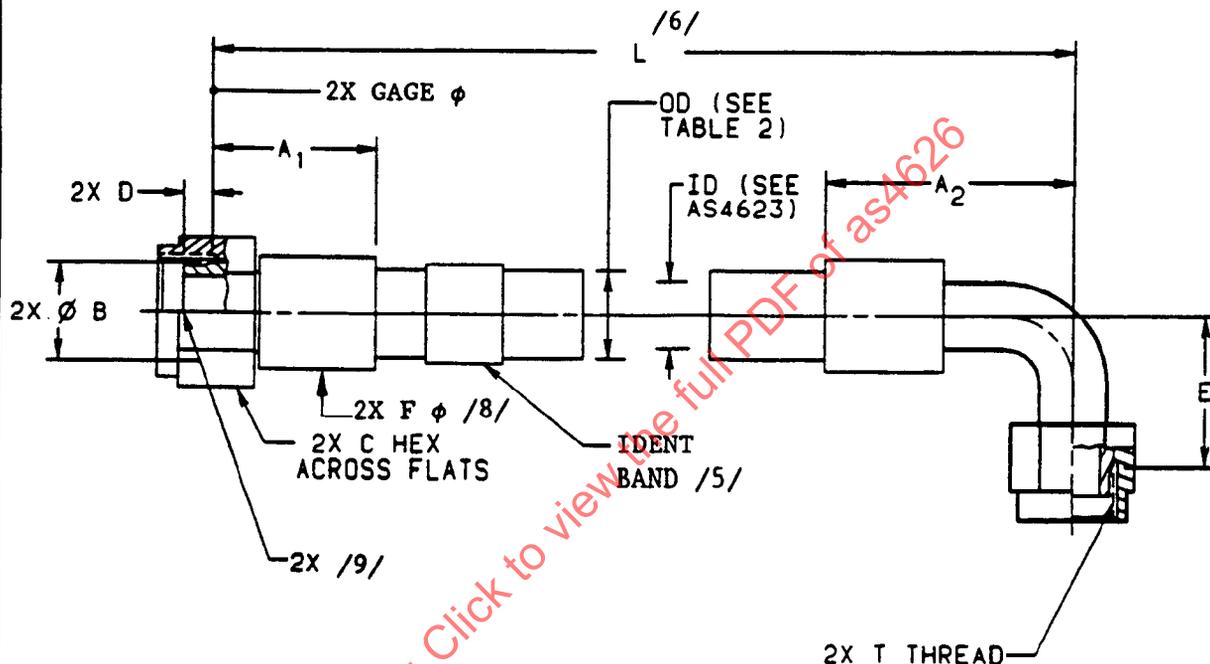


FIGURE 1 - HOSE ASSEMBLY, STRAIGHT TO 90° ELBDW

CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: /2/ AS4623

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AEROSPACE STANDARD

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

AS4626

SHEET 1 OF 6

ISSUED 1992-06-25 REVISED

TABLE 1 - HOSE AND FITTING DIMENSIONS

HOSE ASSEMBLY NO. AND SIZE CODE (SIZE)	FITTING TYPE	(THREAD T) (PER MIL-S-8879)	A1		A2		Ø GAGE		E MAX	E MIN	F Ø MAX	BALL SIZE MIN THRU Ø /7/ MS19059 DASH NO.	BALL SIZE MIN THRU Ø /7/ IN
			MAX	MIN	MAX	MIN	BASIC	HEX (C)					
AS4626E	--	--	--	--	--	--	--	--	--	--	--	--	--
AS4626E	S	.4375-20UNJF-3B	1.630	1.880	.2930	.56	.16	.770	.645	.69	.69	4807	.109
AS4626E	E	.5625-18UNJF-3B	1.695	1.960	.4120	.69	.16	.840	.715	.69	.69	4807	.109
AS4626E	R	.4375-20UNJF-3B	1.740	2.180	.2930	.56	.16	.770	.645	.80	.80	4807	.109
AS4626E	S	.5625-18UNJF-3B	1.835	2.180	.4120	.69	.16	.840	.715	.80	.80	4812	.188
AS4626E	E	.7500-16UNJF-3B	1.930	2.530	.5600	.88	.19	.970	.845	.80	.80	4812	.188
AS4626H	R	.5625-18UNJF-3B	2.145	2.530	.4120	.69	.16	.840	.715	.97	.97	4812	.188
AS4626H	S	.7500-16UNJF-3B	2.165	2.538	.5600	.88	.19	.970	.845	.97	.97	4816	.313
AS4626H	E	.8750-14UNJF-3B	2.675	2.780	.6730	1.00	.20	1.210	1.085	.97	.97	4816	.313
AS4626J	R	.7500-16UNJF-3B	2.860	3.375	.5600	.88	.19	.970	.845	1.15	1.15	4816	.313
AS4626J	S	.8750-14UNJF-3B	2.905	3.375	.6730	1.00	.20	1.210	1.085	1.15	1.15	4818	.375
AS4626J	E	1.0625-12UNJ-3B	2.920	3.665	.8100	1.25	.23	1.400	1.275	1.15	1.15	4818	.375
AS4626K	R	.8750-14UNJF-3B	3.240	3.940	.6730	1.00	.20	1.210	1.085	1.38	1.38	4818	.375
AS4626K	S	1.0625-12UNJ-3B	3.205	3.940	.8100	1.25	.23	1.400	1.275	1.38	1.38	4821	.469
AS4626K	E	1.3125-12UNJ-3B	3.320	4.110	1.0620	1.50	.30	1.625	1.500	1.38	1.38	4821	.469
AS4626M	R	1.0625-12UNJ-3B	3.690	4.510	.8100	1.25	.23	1.400	1.275	1.66	1.66	4821	.469
AS4626M	S	1.3125-12UNJ-3B	3.740	4.510	1.0620	1.50	.30	1.625	1.500	1.66	1.66	4829	.719
AS4626M	E	1.5625-12UNJ-3B	3.570	4.740	1.3160	1.81	.04	1.825	1.700	1.66	1.66	4829	.719
AS4626N	--	--	--	--	--	--	--	--	--	--	--	--	--
AS4626N	S	1.5625-12UNJ-3B	4.330	5.310	1.3160	1.81	.04	1.825	1.700	2.32	2.32	4834	.875
AS4626N	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETERS

SLEEVE CODE	TEMP. LIMIT °F	SLEEVE MATERIAL	HOSE OR SLEEVE OUTSIDE DIAMETERS (MAX-MIN) /10/		HOSE OR SLEEVE OUTSIDE DIAMETERS (MAX-MIN) /10/		HOSE OR SLEEVE OUTSIDE DIAMETERS (MAX-MIN) /10/		HOSE OR SLEEVE OUTSIDE DIAMETERS (MAX-MIN) /10/	
			HOSE OR SLEEVE DIAMETERS (MAX-MIN) /10/	HOSE OR SLEEVE DIAMETERS (MAX-MIN) /10/	HOSE OR SLEEVE DIAMETERS (MAX-MIN) /10/	HOSE OR SLEEVE DIAMETERS (MAX-MIN) /10/	HOSE OR SLEEVE DIAMETERS (MAX-MIN) /10/	HOSE OR SLEEVE DIAMETERS (MAX-MIN) /10/	HOSE OR SLEEVE DIAMETERS (MAX-MIN) /10/	HOSE OR SLEEVE DIAMETERS (MAX-MIN) /10/
--	275		--	--	--	--	--	--	--	--
A	275	(-) INDICATES HOSE ONLY NO SLEEVE (SEE AS4623)	.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	275	FIRE SLEEVE (AS1072 SIL-FG) (5 min) /11/ /12/ /13/ ABRASION SLEEVE SHRINK-ON (POLYDLEFIN AS1073-CODE B) /20/	.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	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 in	(NOT LESS THAN) .125 in	±.125 in
18 THRU 36 in	(NOT LESS THAN) .250 in	±.250 in
OVER 36 THRU 50 in	(NOT LESS THAN) .500 in	±.500 in
OVER 50 in	(NOT LESS THAN) 1.000 in	±1%

TABLE 4 - WEIGHTS

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	UNITS	REFERENCE WEIGHT			REFERENCE WEIGHT			REFERENCE WEIGHT			REFERENCE WEIGHT		
			LB/IN	HOSE SIZE	LB/IN	HOSE SIZE	LB/IN	HOSE SIZE	LB/IN	HOSE SIZE	LB/IN	HOSE SIZE	LB/IN	HOSE SIZE
--	HOSE ONLY (SEE AS4623)	LB/IN	--	.250	.375	.500	.625	.750	1.000	1.250	--	--	--	--
A	FIRE SLEEVE (AS1072 SIL-FG) (5 min) /15/	LB/IN	.017	.018	.022	.028	.031	.030	.037	--	--	--	--	--
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	FITTING END (STRAIGHT) /14/ /16/	S LB/EA	.054	.081	.135	.200	.476	.853	TBD /9/	--	--	--	--	--
NONE	FITTING END (STRAIGHT) /14/ /16/	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	FITTING END (90°) /14/ /16/	S LB/EA	.077	.121	.176	.297	.560	.947	TBD /9/	--	--	--	--	--
NONE	FITTING END (90°) /14/ /16/	E LB/EA	.099	.154	.242	.410	.740	1.072	--	--	--	--	--	--