

AS4626

FEDERAL SUPPLY CLASS
4720

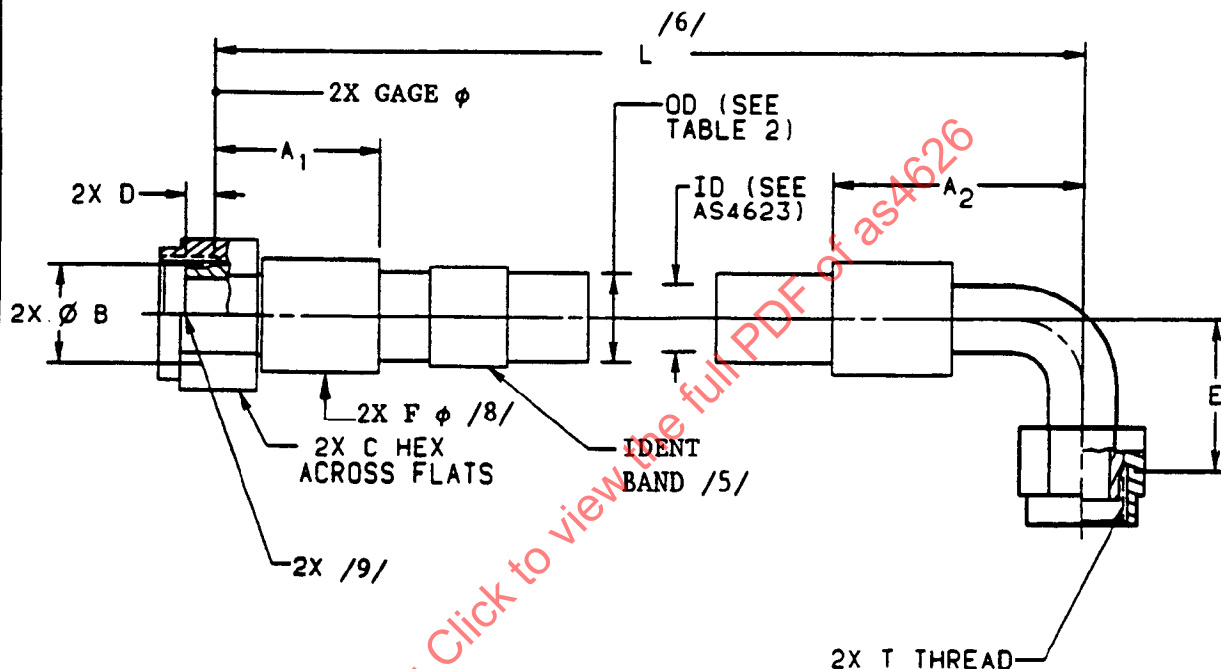


FIGURE 1 - HOSE ASSEMBLY, STRAIGHT TO 90° ELBDW

CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: /2/ AS4623

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

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

AS4626

SHEET 1 OF 6

TABLE 1 - HOSE AND FITTING DIMENSIONS

HOSE ASSEMBLY NO. AND SIZE CODE	(SIZE)	FITTING TYPE	(THREAD T) (PER MIL-S-8879)	A ₁ MAX	A ₂ MAX	Ø GAGE		D	E MAX	E MIN	F Ø MAX	BALL SIZE MIN	
						BASIC	HEX (C)					THRU Ø /7/ MS19059 DASH NO.	THRU Ø /7/ Ø IN
AS4626E	.250	--	--	--	--	--	--	--	--	--	--	--	--
AS4626E	.250	S	.4375-20UNJF-38	1.630	1.880	.2930	.56	.16	.770	.645	.69	4807	.109
AS4626E	.250	E	.5625-18UNJF-38	1.695	1.960	.4120	.69	.16	.840	.715	.69	4807	.109
AS4626E	.375	R	.4375-20UNJF-38	1.740	2.180	.2930	.56	.16	.770	.645	.80	4807	.109
AS4626E	.375	S	.5625-18UNJF-38	1.835	2.180	.4120	.69	.16	.840	.715	.80	4812	.188
AS4626E	.375	E	.7500-16UNJF-38	1.930	2.530	.5600	.88	.19	.970	.845	.80	4812	.188
AS4626H	.500	R	.5625-18UNJF-38	2.145	2.530	.4120	.69	.16	.840	.715	.97	4812	.188
AS4626H	.500	S	.7500-16UNJF-38	2.165	2.538	.5600	.88	.19	.970	.845	.97	4816	.313
AS4626H	.500	E	.8750-14UNJF-38	2.675	2.780	.6730	1.00	.20	1.210	1.085	.97	4816	.313
AS4626J	.625	R	.7500-16UNJF-38	2.860	3.375	.5600	.88	.19	.970	.845	1.15	4816	.313
AS4626J	.625	S	.8750-14UNJF-38	2.905	3.375	.6730	1.00	.20	1.210	1.085	1.15	4818	.375
AS4626J	.625	E	1.0625-12UNJ-38	2.920	3.665	.8100	1.25	.23	1.400	1.275	1.15	4818	.375
AS4626K	.750	R	.8750-14UNJF-38	3.240	3.940	.6730	1.00	.20	1.210	1.085	1.38	4818	.375
AS4626K	.750	S	1.0625-12UNJ-38	3.205	3.940	.8100	1.25	.23	1.400	1.275	1.38	4821	.469
AS4626K	.750	E	1.3125-12UNJ-38	3.320	4.110	1.0620	1.50	.30	1.625	1.500	1.38	4821	.469
AS4626M	1.000	R	1.0625-12UNJ-38	3.690	4.510	.8100	1.25	.23	1.400	1.275	1.66	4821	.469
AS4626M	1.000	S	1.3125-12UNJ-38	3.740	4.510	1.0620	1.50	.30	1.625	1.500	1.66	4829	.719
AS4626M	1.000	E	1.5625-12UNJ-38	3.570	4.740	1.3160	1.81	.04	1.825	1.700	1.66	4829	.719
AS4626N	1.250	--	--	--	--	--	--	--	--	--	--	--	--
AS4626N	1.250	S	1.5625-12UNJ-38	4.330	5.310	1.3160	1.81	.04	1.825	1.700	2.32	4834	.875
AS4626N	1.250	--	--	--	--	--	--	--	--	--	--	--	--

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 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 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 OUTSIDE DIAMETERS (MAX-MIN) /10/	HOSE OR SLEEVE OUTSIDE DIAMETERS (MAX-MIN) /10/	HOSE OR SLEEVE OUTSIDE DIAMETERS (MAX-MIN) /10/
--	275	(-) INDICATES HOSE ONLY NO SLEEVE (SEE AS4623)	--	--	--	--	--	--	--	--	--	--
A	275	FIRESLEEVE (AS1072 SIL-FG) (5 min) /11/ /12/ /13/	.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	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			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	LB/IN	HOSE SIZE	LB/IN
--	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		.037		.030				
B	ABRASION SLEEVE (AS1073B) /20/	LB/IN	.0006		.0012		.0018	.0018	.0032		.0049		.0032				
NONE	FIRE SLEEVE CLAMP	LB/EA	.020		.020		.021	.021	.025		.032		.025				
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		TBD /9/		.853				
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		TBD /9/		.947				
NONE	FITTING END (90°) /14/ /16/	E LB/EA	.099		.154		.242	.410	.740		--		1.072				