

REV.
C

AS5462™

FEDERAL SUPPLY CLASS
4720

RATIONALE

ADD OPTION FOR SAFETY WIRE HOLES. WHEN RE-DRAWING FIGURE, NUT WAS RE-DRAWN SHOWING THE OPTIONAL WIRED ON CONFIGURATION PER AS4370.

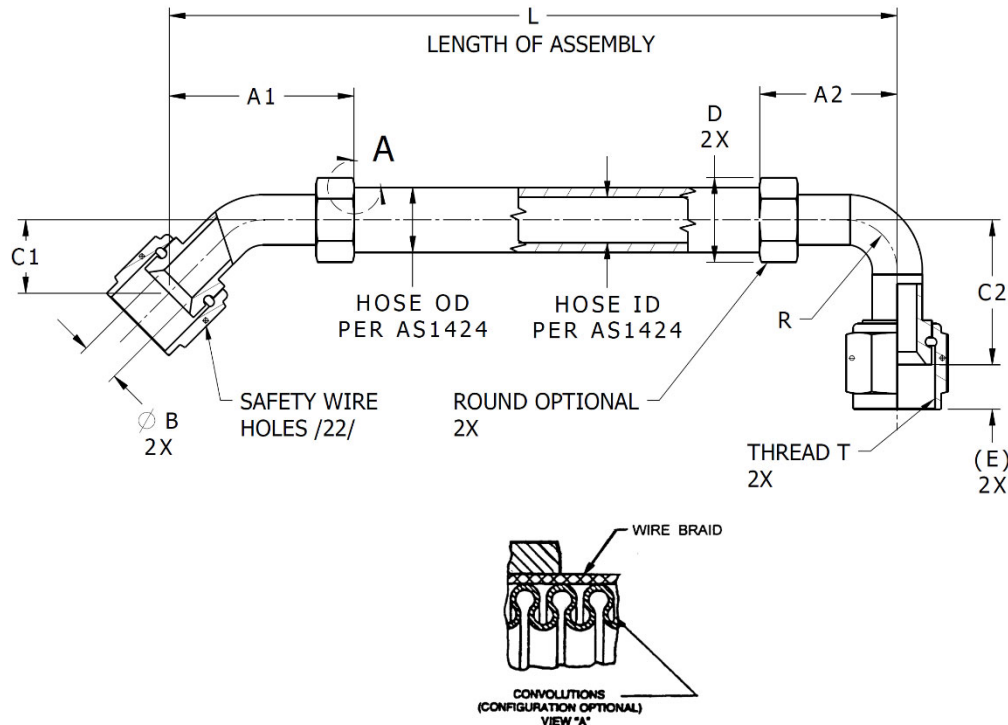


FIGURE 1 - HOSE ASSEMBLY

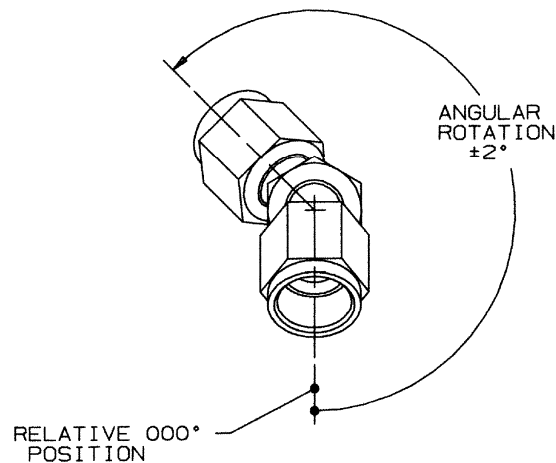
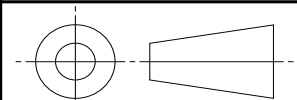


FIGURE 2 - FITTING ANGULAR ORIENTATION /11/

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://standards.sae.org/AS5462C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1424 /2/



AEROSPACE STANDARD

HOSE ASSEMBLY, METAL - MEDIUM PRESSURE,
FLARED, WELDED,
45° TO 90°

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TABLE 1 - ASSEMBLY DIMENSIONS

HOSE ASSEMBLY SIZE CODE	HOSE SIZE (REF)	A ₁ MAX	A ₂ MAX	B MIN THRU /6/	C ₁ MIN	C ₁ MAX	C ₂ MIN	C ₂ MAX	D MAX	(E) NOM	R (REF)	THREAD T PER AS8879 (ISO 3161) (REF)
E	.250	1.34	1.13	.141	.32	.38	.61	.67	.900	.372	.250	.4375-20UNJF-3B
F	.312	1.41	1.18	.197	.39	.45	.74	.80	1.100	.375	.312	.5000-20UNJF-3B
G	.375	1.50	1.24	.250	.44	.50	.86	.92	1.200	.375	.375	.5625-18UNJF-3B
H	.500	1.71	1.42	.360	.54	.60	1.08	1.14	1.300	.438	.500	.7500-16UNJF-3B
J	.625	1.93	1.64	.455	.61	.67	1.25	1.32	1.500	.515	.625	.8750-14UNJF-3B
K	.750	2.25	1.92	.568	.65	.72	1.37	1.43	1.740	.562	.750	1.0625-12UNJ-3B
M	1.000	2.84	2.62	.760	.76	.82	1.68	1.74	2.300	.620	1.000	1.3125-12UNJ-3B
N	1.250	3.16	2.95	.920	.90	.96	2.02	2.08	2.850	.620	1.250	1.6250-12UNJ-3B

TABLE 2 - ASSEMBLY LENGTH TOLERANCE

HOSE ASSEMBLY LENGTH	LENGTH TOLERANCE
UNDER 10 INCHES	±.062 INCH
10 TO 36 INCHES EXCLUSIVE	±.125 INCH
36 TO 50 INCHES EXCLUSIVE	±.250 INCH
50 INCHES AND OVER	±1%

TABLE 3 - HOSE ASSEMBLY ROOM TEMPERATURE PHYSICAL CHARACTERISTIC (REF) /5/

HOSE SIZE CODE	OPERATING PRESSURE PSI NOM	PROOF PRESSURE PSI MIN	BURST PRESSURE PSI MIN
E	2000	3000	8000
F	1800	2700	7200
G	1600	2400	6400
H	1400	2100	5600
J	1200	1800	4800
K	1050	1575	4200
M	800	1200	3200
N	550	825	2200

**TABLE 4 - SPHERICAL BALL SIZE
FOR DETERMINING MINIMUM
HOSE ASSEMBLY ID /8/**

HOSE SIZE	ELBOW FITTING
E	.120
F	.167
G	.212
H	.306
J	.387
K	.483
M	.646
N	.782

TABLE 5 - WEIGHTS (MAX)

HOSE SIZE	HOSE LB/IN	STANDARD FITTING (LB) 45° ELBOW	STANDARD FITTING (LB) 90° ELBOW
E	.016	.05	.05
F	.018	.07	.08
G	.020	.08	.09
H	.028	.13	.14
J	.038	.20	.22
K	.042	.33	.33
M	.058	.55	.61
N	.072	.83	.84

	AEROSPACE STANDARD	AS5462™ SHEET 2 OF 5	REV. C
	HOSE ASSEMBLY, METAL - MEDIUM PRESSURE, FLARED, WELDED, 45° TO 90°		



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