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REV.
C

AS5458™

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.

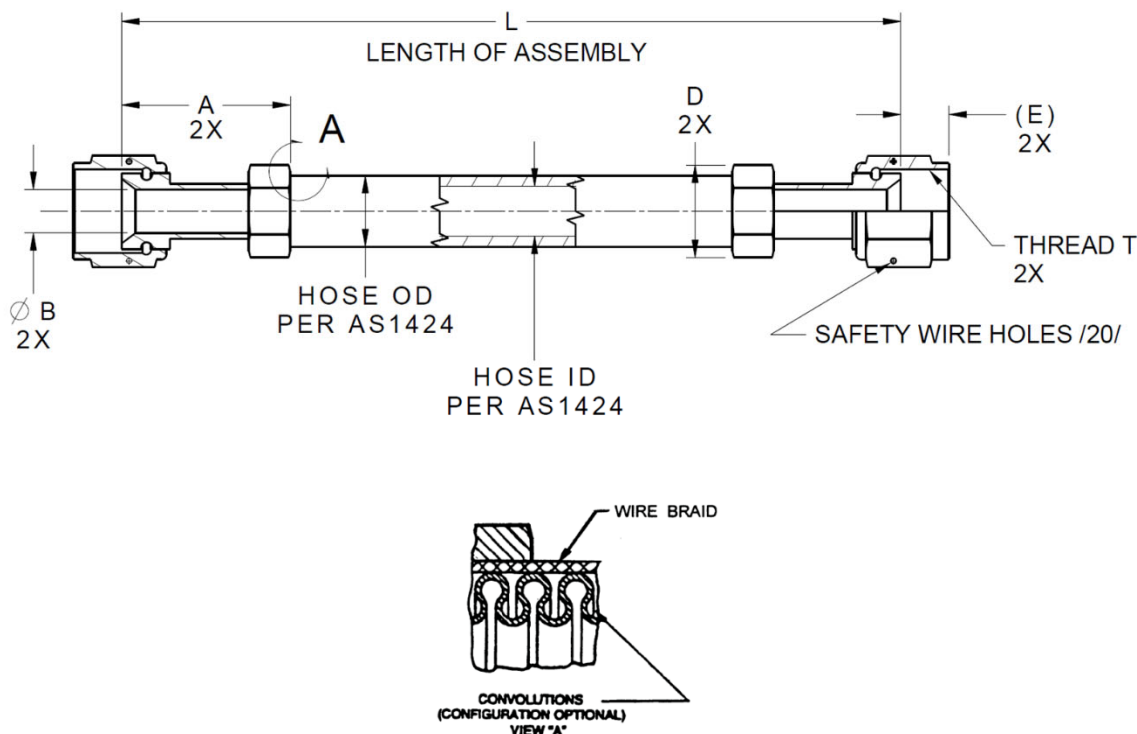


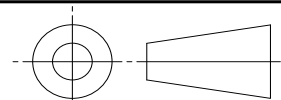
FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - ASSEMBLY DIMENSIONS

HOSE ASSEMBLY SIZE CODE	HOSE SIZE (REF)	A MAX	B MIN THRU /8/	D MAX	(E) NOM	THREAD T PER AS8879 (ISO 3161) (REF)
04	.250	1.34	.141	.900	.372	.4375-20UNJF-3B
05	.312	1.40	.197	1.100	.375	.5000-20UNJF-3B
06	.375	1.48	.250	1.200	.375	.5625-18UNJF-3B
08	.500	1.58	.360	1.300	.438	.7500-16UNJF-3B
10	.625	1.71	.455	1.500	.515	.8750-14UNJF-3B
12	.750	1.83	.568	1.740	.562	1.0625-12UNJ-3B
16	1.000	2.02	.760	2.300	.620	1.3125-12UNJ-3B
20	1.250	2.17	.920	2.850	.620	1.6250-12UNJ-3B

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1424 /2/



AEROSPACE STANDARD

HOSE ASSEMBLY, METAL - MEDIUM PRESSURE,
FLARED, WELDED,
STRAIGHT TO STRAIGHT

AS5458™
SHEET 1 OF 4

REV.
C

Documents

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TABLE 2 - ASSEMBLY LENGTH TOLERANCE

HOSE ASSEMBLY LENGTH	LENGTH TOLERANCE
UNDER 10 INCHES	±.062 INCHES
10 TO 36 INCHES EXCLUSIVE	±.125 INCHES
36 TO 50 INCHES EXCLUSIVE	±.250 INCHES
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
04	2000	3000	8000
05	1800	2700	7200
06	1600	2400	6400
08	1400	2100	5600
10	1200	1800	4800
12	1050	1575	4200
16	800	1200	3200
20	550	825	2200

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

HOSE SIZE	STRAIGHT FITTING
04	.127
05	.177
06	.225
08	.324
10	.410
12	.511
16	.684
20	.828

TABLE 5 - WEIGHTS (MAX)

HOSE SIZE	HOSE LB/IN	STANDARD FITTING (LB) STRAIGHT
04	.016	.05
05	.018	.07
06	.020	.08
08	.028	.13
10	.038	.18
12	.042	.29
16	.058	.44
20	.072	.62

NOTES:**/1/ MATERIALS:**

CLASS "A": INNER TUBE - CORROSION RESISTANT STEEL TYPE 321
 BRAID - CORROSION RESISTANT STEEL TYPE 321
 BRAID RETAINERS - CORROSION RESISTANT STEEL TYPE 321 OR 347
 FITTING COMPONENTS - NICKEL ALLOY TYPE 625 OR 718

CLASS "B": INNER TUBE - NICKEL ALLOY TYPE 625
 BRAID - CORROSION RESISTANT STEEL TYPE 321
 BRAID RETAINERS - CORROSION RESISTANT STEEL TYPE 321 OR 347
 FITTING COMPONENTS - NICKEL ALLOY TYPE 625 OR 718

	AEROSPACE STANDARD	AS5458™ SHEET 2 OF 4	REV. C
	HOSE ASSEMBLY, METAL - MEDIUM PRESSURE, FLARED, WELDED, STRAIGHT TO STRAIGHT		


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