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REV.
A

AS4574

FEDERAL SUPPLY CLASS
4720

RATIONALE

AS4574A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

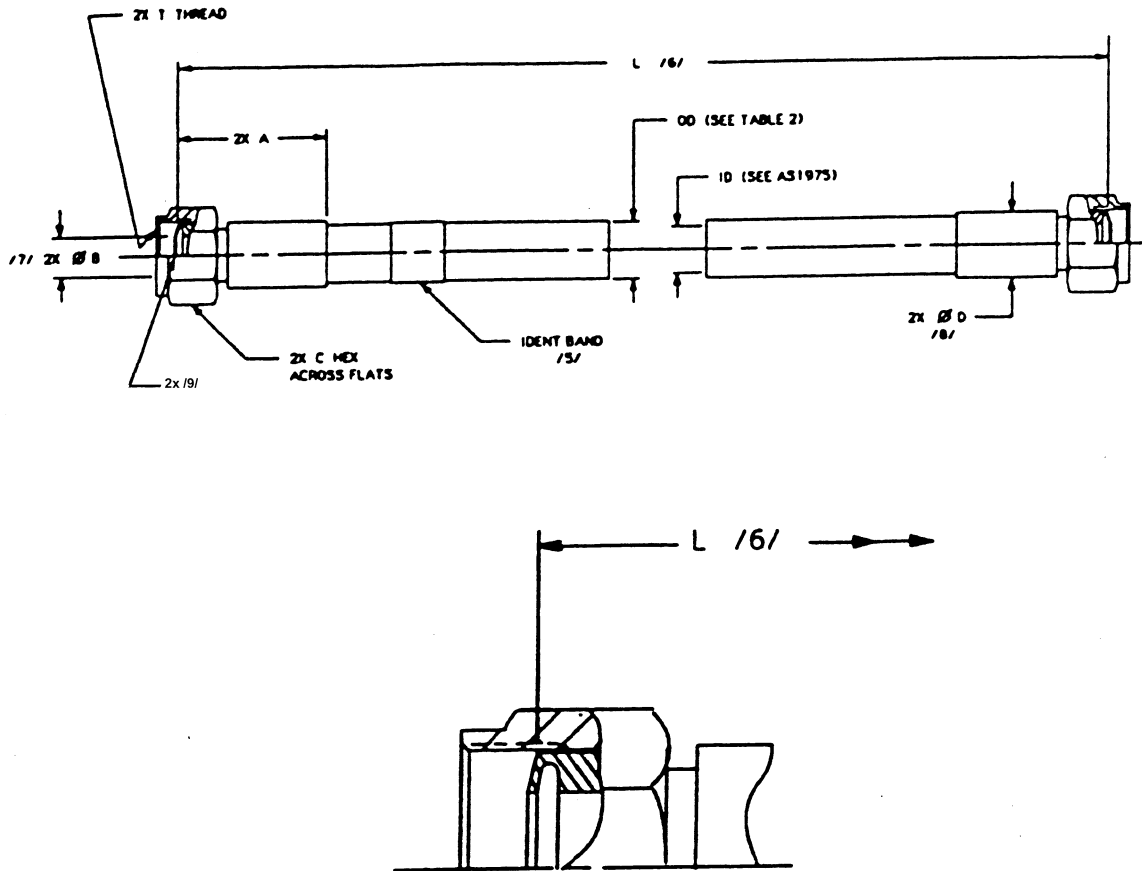
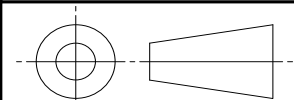


FIGURE 1 - FITTINGS
ENLARGED VIEW - END FITTING

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1975 /2/



AEROSPACE STANDARD

(R) HOSE ASSEMBLY, PTFE, PARA-ARAMID REINFORCED,
STANDARD DUTY, 3000 PSI, 275 °F, TITANIUM
FITTINGS, BEAM SEAL, STRAIGHT TO STRAIGHT

AS4574
SHEET 1 OF 5

REV.
A

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TABLE 1 - ASSEMBLY DIMENSIONS

HOSE ASSEMBLY NO. & SIZE CODE /22/	HOSE SIZE (REF)	/20/ FITTING TYPE (REF)	THREAD T PER AS8879 (REF)	HOSE ID MIN	A MAX	B /7/ MIN FTG BORE DIA AFTER ASSEMBLY	C HEX (REF)	D /8/ DIA MAX WITHOUT SLEEVING	SPHERICAL BALL SIZE FOR DETERMINING MINIMUM HOSE ASSEMBLY ID /7/ IN
AS4574E	.250	-							
AS4574E	.250	S	.4375-20UNJS-3B	.212	1.630	.135	.56	.69	.122
AS4574E	.250	E	.5625-20UNJS-3B	.212	1.695	.135	.69	.69	.122
AS4574G	.375	R	.4375-20UNJS-3B	.298	1.770	.135	.56	.80	.122
AS4574G	.375	S	.5625-20UNJS-3B	.298	1.880	.240	.69	.80	.216
AS4574G	.375	E	.7188-20UNJS-3B	.298	1.960	.240	.88	.80	.216
AS4574H	.500	R	.5625-20UNJS-3B	.391	2.100	.240	.69	.97	.216
AS4574H	.500	S	.7188-20UNJS-3B	.391	2.100	.340	.88	.97	.306
AS4574H	.500	E	.8438-18UNJS-3B	.391	2.620	.340	1.00	.97	.306
AS4574J	.625	R	.7188-20UNJS-3B	.485	2.690	.340	.88	1.15	.306
AS4574J	.625	S	.8438-18UNJS-3B	.485	2.690	.410	1.00	1.15	.369
AS4574J	.625	E	1.000-16UNJ-3B	.485	2.750	.410	1.13	1.15	.369
AS4574K	.750	R	.8438-18UNJS-3B	.602	3.240	.410	1.00	1.38	.369
AS4574K	.750	S	1.000-16UNJ-3B	.602	3.240	.510	1.13	1.38	.459
AS4574K	.750	E	1.250-14UNJS-3B	.602	3.320	.510	1.50	1.38	.459
AS4574M	1.000	R	1.000-16UNJ-3B	.852	3.810	.510	1.13	1.66	.459
AS4574M	1.000	S	1.250-14UNJS-3B	.852	3.810	.760	1.50	1.66	.684

TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETER

SLEEVE CODE /22/	SLEEVE MATERIAL	TEMP LIMIT °F	TOLERANCE	HOSE SIZE /10/ .250	HOSE SIZE /10/ .375	HOSE SIZE /10/ .500	HOSE SIZE /10/ .625	HOSE SIZE /10/ .750	HOSE SIZE /10/ 1.000
-	(-) INDICATES BRAIDED HOSE ONLY PER AS1975	275	MAX MIN	.465 .405	.555 .495	.710 .650	.920 .850	1.075 .995	1.365 1.285
A	FIRESLEEVE (AS1072 SIL - FG) (5 min) /11/ /12/	275	MAX MIN	.840 .658	.970 .788	1.150 .968	1.380 1.198	1.590 1.318	1.750 1.568
B	FIRESLEEVE INTEGRAL SILICONE (5 min) /13/	275	MAX MIN						
C	PROTECTIVE SLEEVE SHRINK-ON (POLYOLEFIN AS1073 CODE B)	275	MAX MIN	.520 .450	.620 .550	.795 .725	1.000 .920	1.170 1.060	1.460 1.350



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