

NOTES:  
 1. ADAPTORS MUST BE COMPATIBLE WITH THE FOLLOWING CONNECTOR SERIES:  
 MIL-C-38999 SERIES III AND IV.

2. MATERIAL:  
 2.1 ALUMINIUM ALLOY:  
 6061-T6, -T651 OR -T6511, 2011-T3.  
 2.2 STEEL CORROSION RESISTANT TYPE 303.

3. PROTECTIVE FINISH:  
 3.1 FINISH 1,4,3,4 GRADE A OF MIL-STD-171.  
 3.2 FINISH 5,4,1 OF MIL-STD-171.

4. PERFORMANCE (WHEN USED WITH APPROPRIATE SIZED BRAID):  
 A. BRAID RETENTION AT -55°C, 23°C AND 150°C SHALL BE 125lbs MIN.  
 B. INITIAL DC RESISTANCE BETWEEN SHIELD AND ADAPTOR SHALL BE .001Ω MAX

C. DC RESISTANCE BETWEEN SHIELD BRAID AND ADAPTOR OF .010Ω MAX DURING AND AFTER 100 THERMAL CYCLES OF -65°C TO 150°C PER SPEC MIL-STD-202, METHOD 107G

D. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, -METHOD 2004.1, TEST CONDITION D.

E. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, -METHOD 2004.1, TEST CONDITION D.

F. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1

G. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1.

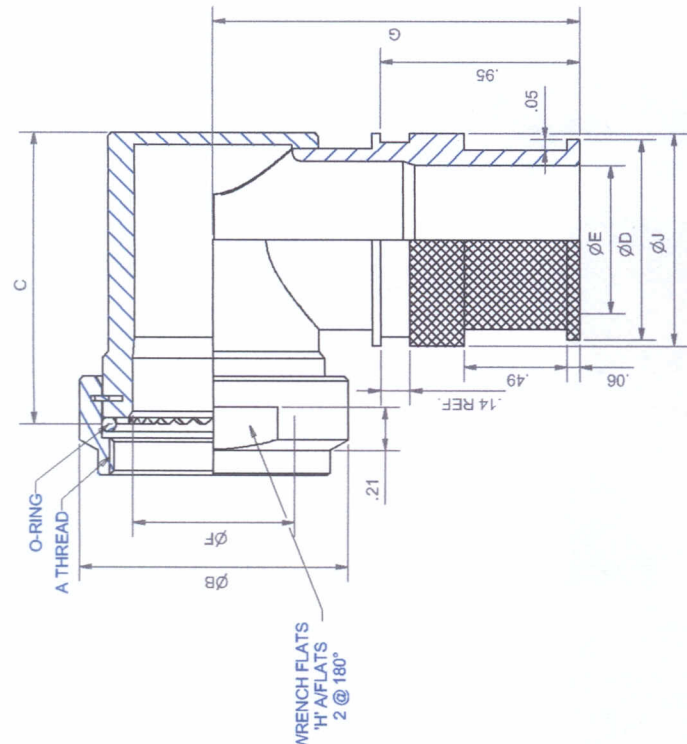
H. THE ADAPTOR AS UTILIZED WITH A CONNECTOR AND SEALED WITH A HEAT SHRINKABLE BOOT SHALL BE ENVIRONMENTALLY SEALED AND SHOW NO EVIDENCE OF LEAKAGE WHEN SUBMERGED TO A DEPTH OF SIX FEET OF WATER OR EQUIVALENT.

I. DIMENSIONS APPLY AFTER PLATING.

J. ITEM IDENTIFICATION: ENGRAVE OR ELECTO-ETCH PER MIL-STD-130.

K. KNURL TO BE MEDIUM DIAMOND FEMALE KNURL

L. QUALITY ASSURANCE REQUIREMENTS (QAR) 12387119 APPLY TO THIS ITEM.



PART NO.	HT PART NO.	SHELL SIZE	A THREAD CLASS 6H	B MAX	C REF	D MAX	E MAX	F MAX	G REF	H A/FLATS	J MAX
12387119-1	HT7906-09-6-8	09	M12 x 1.0	.78	.89	.53	.27	.27	1.48	.625	.56
12387119-2	HT7906-11-6-8	11	M15 x 1.0	.91	1.02	.61	.41	.41	1.56	.750	.64
12387119-3	HT7906-13-6-8	13	M18 x 1.0	1.03	1.14	.78	.52	.52	1.62	.875	.82
12387119-4	HT7906-15-6-8	15	M22 x 1.0	1.16	1.26	.84	.65	.65	1.68	1.000	.89
12387119-5	HT7906-17-6-8	17	M25 x 1.0	1.28	1.40	.96	.78	.78	1.74	1.125	1.02
12387119-6	HT7906-19-6-8	19	M28 x 1.0	1.41	1.56	1.04	.88	.88	1.76	1.250	1.08
12387119-7	HT7906-21-6-8	21	M31 x 1.0	1.53	1.65	1.22	1.01	1.01	1.83	1.375	1.27
12387119-8	HT7906-23-6-8	23	M34 x 1.0	1.66	1.77	1.35	1.13	1.13	1.89	1.500	1.39
12387119-9	HT7906-25-6-8	25	M37 x 1.0	1.78	1.89	1.48	1.26	1.26	1.91	1.625	1.52
12387119-10	HT7906-09-7-9	09	M12 x 1.0	.78	.89	.53	.27	.27	1.48	.625	.56
12387119-11	HT7906-11-7-9	11	M15 x 1.0	.91	1.02	.61	.41	.41	1.56	.750	.64
12387119-12	HT7906-13-7-9	13	M18 x 1.0	1.03	1.14	.78	.52	.52	1.62	.875	.82
12387119-13	HT7906-15-7-9	15	M22 x 1.0	1.16	1.26	.84	.65	.65	1.68	1.000	.89
12387119-14	HT7906-17-7-9	17	M25 x 1.0	1.28	1.40	.96	.78	.78	1.74	1.125	1.02
12387119-15	HT7906-19-7-9	19	M28 x 1.0	1.41	1.56	1.04	.88	.88	1.76	1.250	1.08
12387119-16	HT7906-21-7-9	21	M31 x 1.0	1.53	1.65	1.22	1.01	1.01	1.83	1.375	1.27
12387119-17	HT7906-23-7-9	23	M34 x 1.0	1.66	1.77	1.35	1.13	1.13	1.89	1.500	1.39
12387119-18	HT7906-25-7-9	25	M37 x 1.0	1.78	1.89	1.48	1.26	1.26	1.91	1.625	1.52

SERIES  
 SHELL SIZE  
 MATERIAL (6 - SEE NOTE 2.1; 7 - SEE NOTE 2.2)  
 FINISH (8 - SEE NOTE 3.1; 9 - SEE NOTE 3.2)

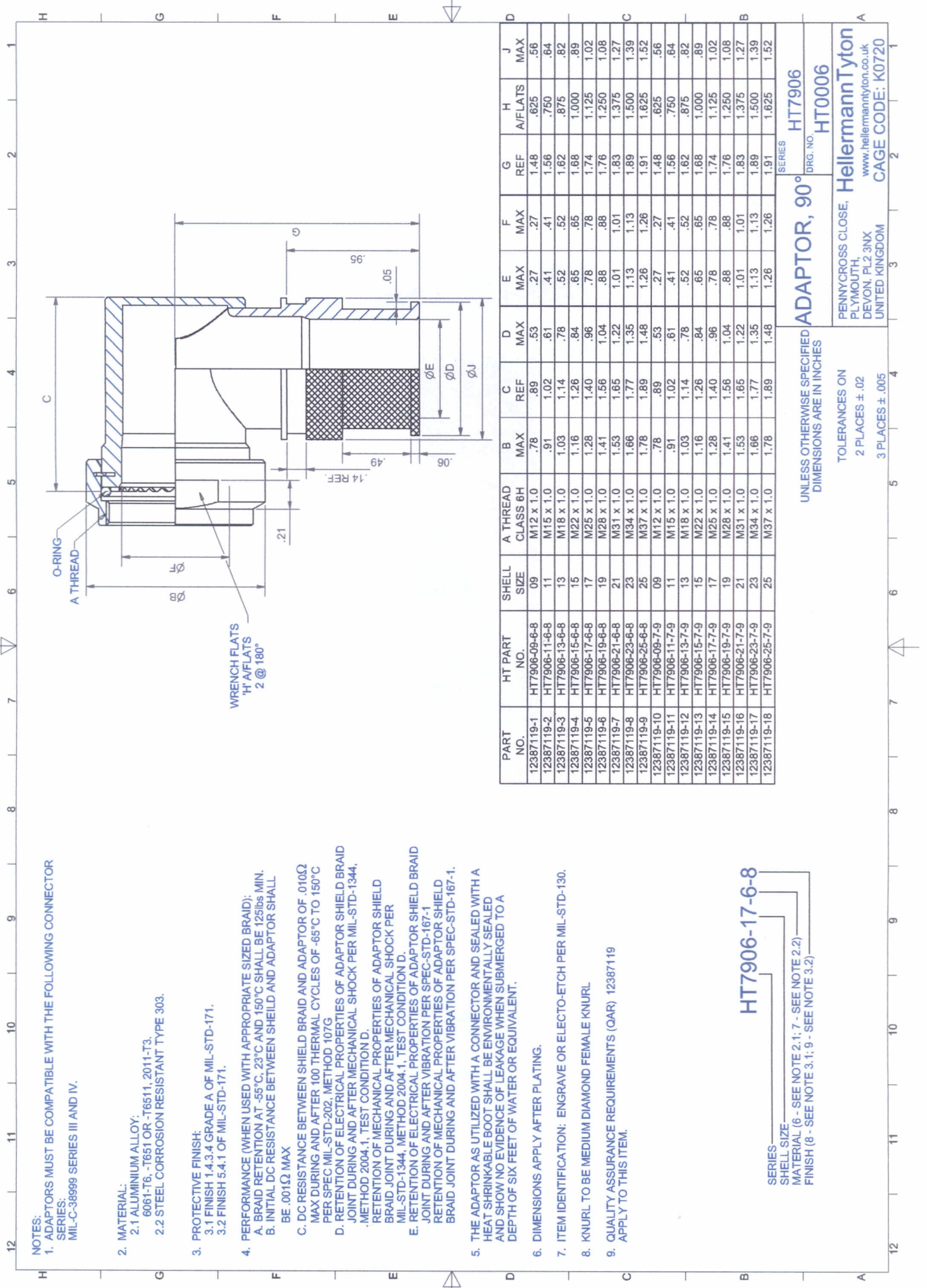
HT7906-17-6-8

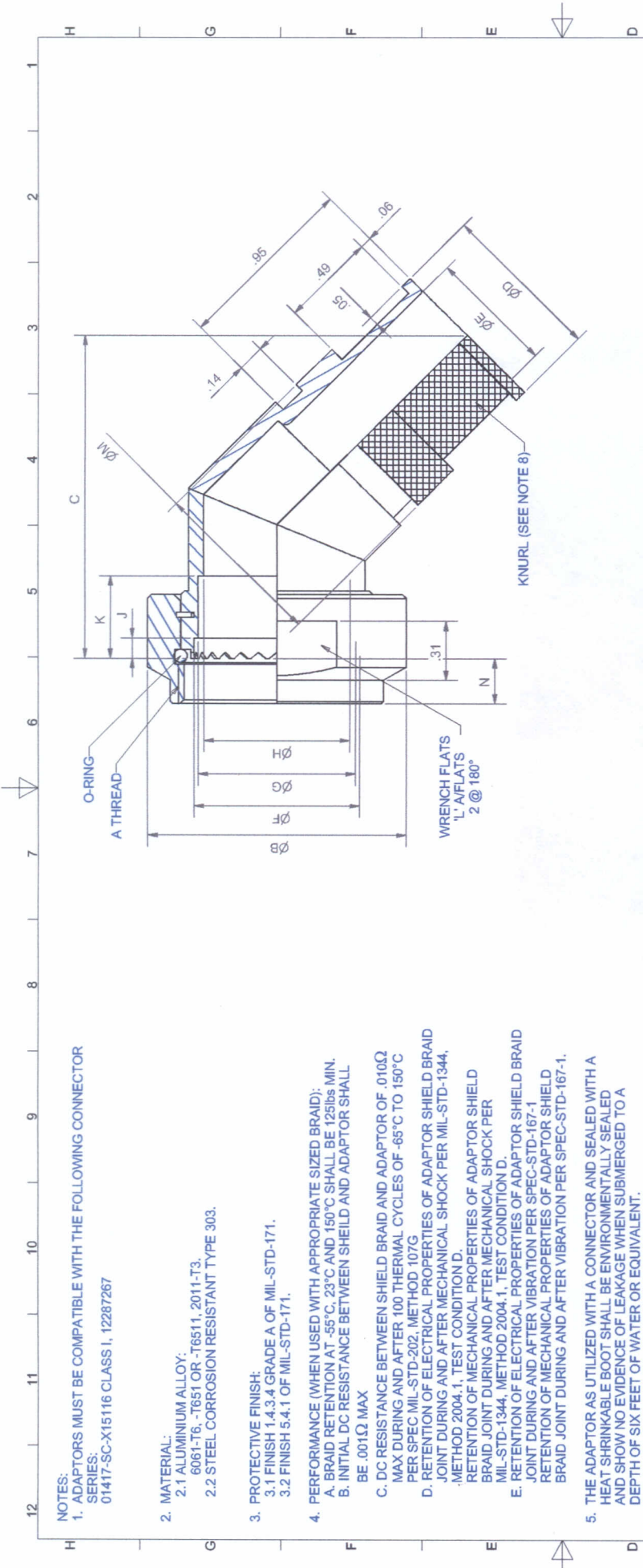
ADAPTOR, 90°  
 DRG. NO. HT7906  
 HT0006

PENNYCROSS CLOSE,  
 PLYMOUTH,  
 DEVON, PL2 3NX  
 UNITED KINGDOM  
 www.hellermannityton.co.uk  
 CAGE CODE: K0720

TOLERANCES ON  
 2 PLACES ± .02  
 3 PLACES ± .005

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES





- NOTES:**
- ADAPTORS MUST BE COMPATIBLE WITH THE FOLLOWING CONNECTOR SERIES:  
01417-SC-X15116 CLASS I, 12287267
  - MATERIAL:**  
2.1 ALUMINIUM ALLOY:  
6061-T6, -T651 OR -T65111, 2011-T3.  
2.2 STEEL CORROSION RESISTANT TYPE 303.
  - PROTECTIVE FINISH:**  
3.1 FINISH 1.4.3.4 GRADE A OF MIL-STD-171.  
3.2 FINISH 5.4.1 OF MIL-STD-171.
  - PERFORMANCE (WHEN USED WITH APPROPRIATE SIZED BRAID):**  
A. BRAID RETENTION AT -55°C, 23°C AND 150°C SHALL BE 125lbs MIN.  
B. INITIAL DC RESISTANCE BETWEEN SHIELD AND ADAPTOR SHALL BE .001Ω MAX  
C. DC RESISTANCE BETWEEN SHIELD BRAID AND ADAPTOR OF .010Ω MAX DURING AND AFTER 100 THERMAL CYCLES OF -65°C TO 150°C PER SPEC MIL-STD-202, METHOD 107G  
D. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, -METHOD 2004.1, TEST CONDITION D.  
E. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER SPEC-STD-167-1  
F. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1.
  - THE ADAPTOR AS UTILIZED WITH A CONNECTOR AND SEALED WITH A HEAT SHRINKABLE BOOT SHALL BE ENVIRONMENTALLY SEALED AND SHOW NO EVIDENCE OF LEAKAGE WHEN SUBMERGED TO A DEPTH OF SIX FEET OF WATER OR EQUIVALENT.
  - DIMENSIONS APPLY AFTER PLATING.
  - ITEM IDENTIFICATION: ENGRAVE OR ELECTO-ETCH PER MIL-STD-130.
  - KNURL TO BE MEDIUM DIAMOND FEMALE KNURL.
  - QUALITY ASSURANCE REQUIREMENTS (QAR) 12387131 APPLY TO THIS ITEM.

PART NO.	HT PART NO.	SHELL SIZE	A THREAD	B	C	D	E	F	G	H	J	K	L	M	N
12387131-1	HT7435-12-6-8	12	5/8-24 UNEF	.97	1.43	.53	.27	.464	.459	.411	0.105	.374	.81	.36	.176
12387131-2	HT7435-14-6-8	14	3/4-20 UNEF	1.03	1.52	.61	.41	.608	.522	.443	0.078	.252	.87	.54	.211
12387131-3	HT7435-16-6-8	16	7/8-20 UNEF	1.22	1.60	.78	.52	.734	.652	.514	0.145	.299	1.06	.52	.211
12387131-4	HT7435-18-6-8	18	1-20 UNEF	1.34	1.69	.84	.65	.868	.817	.758	0.105	.433	1.19	.89	.312
12387131-5	HT7435-20-6-8	20	1 1/8-18 UNEF	1.47	1.73	.96	.78	.984	.908	.762	0.113	.260	1.31	1.02	.318
12387131-6	HT7435-22-6-8	22	1 1/4-18 UNEF	1.59	1.78	1.04	.88	1.106	1.014	.868	0.113	.260	1.44	1.08	.318
12387131-7	HT7435-24-6-8	24	1 3/8-18 UNEF	1.72	1.79	1.22	1.01	1.234	1.183	1.120	0.097	.464	1.56	1.27	.374
12387131-8	HT7435-28-6-8	28	1 5/8-18 UNEF	1.97	1.95	1.35	1.13	1.429	1.333	1.230	0.113	.425	1.81	1.39	.369
12387131-9	HT7435-32-6-8	32	1 7/8-16 UN	2.22	2.09	1.48	1.26	1.685	1.622	1.490	0.105	.464	2.06	1.52	.369
12387131-10	HT7435-36-6-8	36	2 1/16-16 UNS	2.47	2.18	1.71	1.38	N/A	1.860	1.773	N/A	.417	2.31	1.74	.239
12387131-11	HT7435-12-7-9	12	5/8-24 UNEF	.97	1.43	.53	.27	.464	.459	.411	0.105	.374	.81	.36	.176
12387131-12	HT7435-14-7-9	14	3/4-20 UNEF	1.03	1.32	.61	.41	.608	.522	.443	0.078	.232	.87	.64	.211
12387131-13	HT7435-16-7-9	16	7/8-20 UNEF	1.22	1.60	.78	.52	.734	.652	.514	0.145	.299	1.06	.82	.211
12387131-14	HT7435-18-7-9	18	1-20 UNEF	1.34	1.69	.84	.65	.868	.817	.756	0.105	.433	1.19	.89	.312
12387131-15	HT7435-20-7-9	20	1 1/8-18 UNEF	1.47	1.73	.96	.78	.984	.908	.762	0.113	.260	1.31	1.02	.318
12387131-16	HT7435-22-7-9	22	1 1/4-18 UNEF	1.59	1.78	1.04	.88	1.106	1.014	.868	0.113	.260	1.44	1.08	.318
12387131-17	HT7435-24-7-9	24	1 3/8-18 UNEF	1.72	1.79	1.22	1.01	1.234	1.183	1.120	0.097	.464	1.56	1.27	.374
12387131-18	HT7435-28-7-9	28	1 5/8-18 UNEF	1.97	1.95	1.35	1.13	1.429	1.333	1.230	0.113	.425	1.81	1.39	.369
12387131-19	HT7435-32-7-9	32	1 7/8-16 UN	2.22	2.09	1.48	1.26	1.685	1.622	1.490	0.105	.464	2.06	1.52	.369
12387131-20	HT7435-36-7-9	36	2 1/16-16 UNS	2.47	2.18	1.71	1.38	N/A	1.860	1.773	N/A	.417	2.31	1.74	.239

SERIES  
SHELL SIZE  
MATERIAL (6 - SEE NOTE 2.1; 7 - SEE NOTE 2.2)  
FINISH (8 - SEE NOTE 3.1; 9 - SEE NOTE 3.2)

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

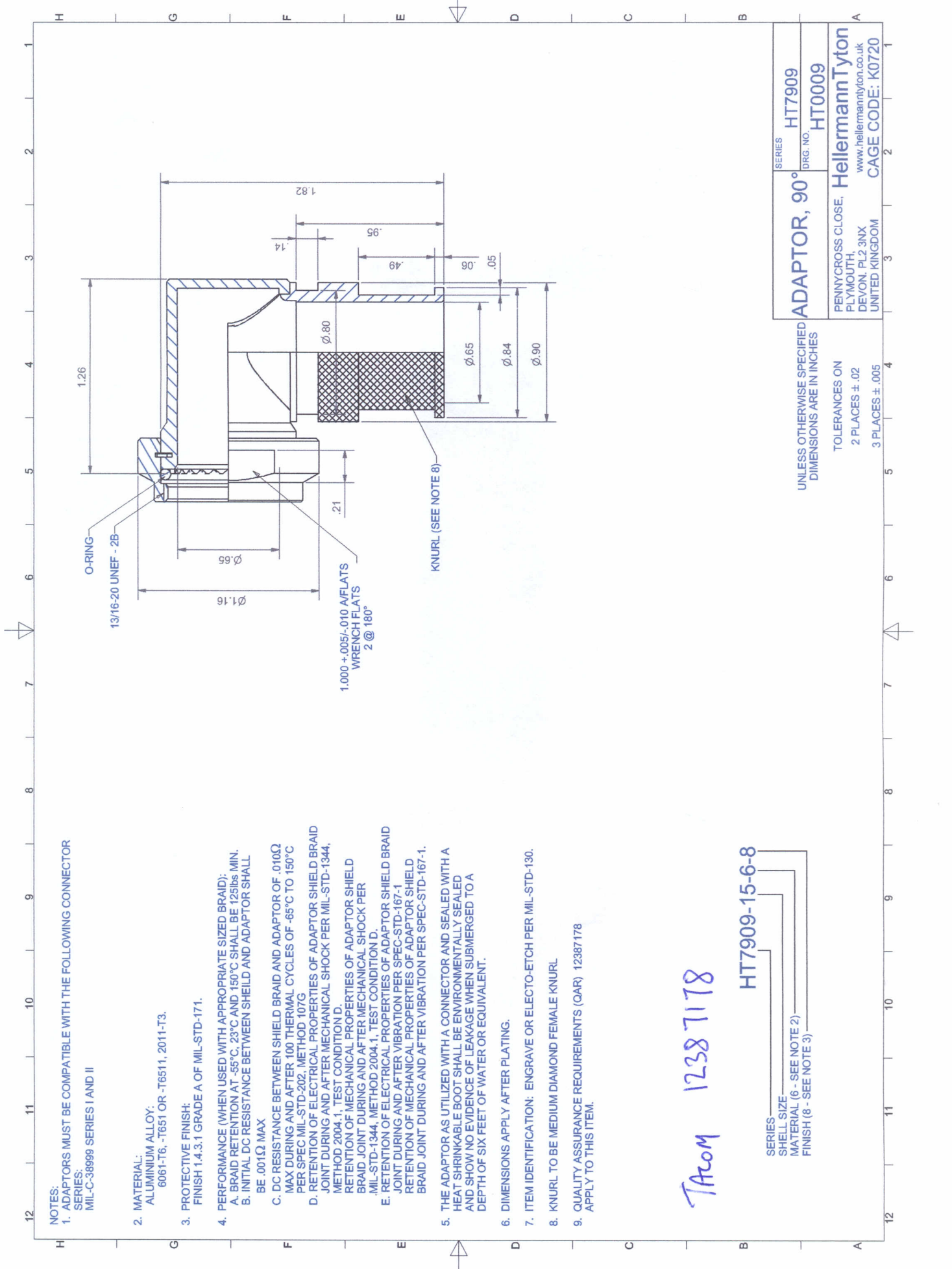
TOLERANCES ON  
2 PLACES ± .02  
3 PLACES ± .005

ADAPTOR, 45°  
HT7435  
HT0008

PENNYCROSS CLOSE, HELLERMANN TYTON  
PLYMOUTH, HELLERMANN TYTON CO. UK  
DEVON, PL2 3NX  
UNITED KINGDOM  
CAGE CODE: K0720

HT7435-16-6-8





- NOTES:
- ADAPTORS MUST BE COMPATIBLE WITH THE FOLLOWING CONNECTOR SERIES:  
MIL-C-38999 SERIES I AND II
  - MATERIAL:  
ALUMINIUM ALLOY:  
6061-T6, -T6511 OR -T6511, 2011-T3.
  - PROTECTIVE FINISH:  
FINISH 1.4.3.1 GRADE A OF MIL-STD-171.
  - PERFORMANCE (WHEN USED WITH APPROPRIATE SIZED BRAID):  
A. BRAID RETENTION AT -55°C, 23°C AND 150°C SHALL BE 125lbs MIN.  
B. INITIAL DC RESISTANCE BETWEEN SHIELD AND ADAPTOR SHALL BE .001Ω MAX  
C. DC RESISTANCE BETWEEN SHIELD BRAID AND ADAPTOR OF .010Ω MAX DURING AND AFTER 100 THERMAL CYCLES OF -65°C TO 150°C PER SPEC MIL-STD-202, METHOD 107G  
D. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.  
RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.  
E. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1  
RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1.
  - THE ADAPTOR AS UTILIZED WITH A CONNECTOR AND SEALED WITH A HEAT SHRINKABLE BOOT SHALL BE ENVIRONMENTALLY SEALED AND SHOW NO EVIDENCE OF LEAKAGE WHEN SUBMERGED TO A DEPTH OF SIX FEET OF WATER OR EQUIVALENT.
  - DIMENSIONS APPLY AFTER PLATING.
  - ITEM IDENTIFICATION: ENGRAVE OR ELECTO-ETCH PER MIL-STD-130.
  - KNURL TO BE MEDIUM DIAMOND FEMALE KNURL
  - QUALITY ASSURANCE REQUIREMENTS (QAR) 12387178 APPLY TO THIS ITEM.

Tacom 12387178

HT7909-15-6-8  
 SERIES \_\_\_\_\_  
 SHELL SIZE \_\_\_\_\_  
 MATERIAL (6 - SEE NOTE 2) \_\_\_\_\_  
 FINISH (8 - SEE NOTE 3) \_\_\_\_\_

SERIES	HT7909
DRG. NO.	HT0009
<b>ADAPTOR, 90°</b>	
Penny Cross Close, HellermannTyton	
www.hellermannTyton.co.uk	
Penny Cross Close, HellermannTyton	
PLYMOUTH, DEVON, PL2 3NX	
UNITED KINGDOM	
CAGE CODE: K0720	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES

TOLERANCES ON  
 2 PLACES ± .02  
 3 PLACES ± .005

NOTES:  
 1. ADAPTORS MUST BE COMPATIBLE WITH THE FOLLOWING CONNECTOR SERIES:  
 MIL-C-5015, MIL-C-26482 SERIES 2, MIL-C-83723 SERIES 1 AND 3, AND MIL-C-81703 SERIES 3

2. MATERIAL:  
 2.1 ALUMINIUM ALLOY:  
 6061-T6, -T651 OR -T6511, 2011-T3  
 2.2 STEEL CORROSION RESISTANT TYPE 303.

3. PROTECTIVE FINISH:  
 3.1 FINISH 1.4.3.4 GRADE A OF MIL-STD-171.  
 3.2 FINISH 5.4.1 OF MIL-STD-171.

4. PERFORMANCE (WHEN USED WITH APPROPRIATE SIZED BRAID):  
 A. BRAID RETENTION AT -55°C, 23°C AND 150°C SHALL BE 125lbs MIN.  
 B. INITIAL DC RESISTANCE BETWEEN SHIELD AND ADAPTOR SHALL BE .001Ω MAX

C. DC RESISTANCE BETWEEN SHIELD BRAID AND ADAPTOR OF .010Ω MAX DURING AND AFTER 100 THERMAL CYCLES OF -65°C TO 150°C PER SPEC MIL-STD-202, METHOD 107G  
 D. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.

E. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.  
 F. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1 RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1.

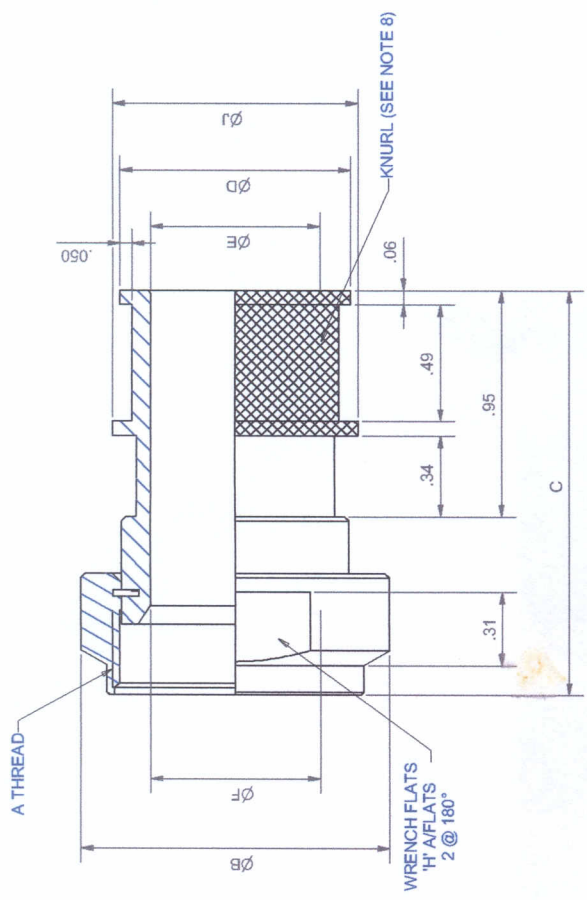
5. THE ADAPTOR AS UTILIZED WITH A CONNECTOR AND SEALED WITH A HEAT SHRINKABLE BOOT SHALL BE ENVIRONMENTALLY SEALED AND SHOW NO EVIDENCE OF LEAKAGE WHEN SUBMERGED TO A DEPTH OF SIX FEET OF WATER OR EQUIVALENT.

6. DIMENSIONS APPLY AFTER PLATING.

7. ITEM IDENTIFICATION: ENGRAVE OR ELECTO-ETCH PER MIL-STD-130.

8. KNUREL TO BE MEDIUM DIAMOND FEMALE KNUREL

9. QUALITY ASSURANCE REQUIREMENTS (QAR) 12347631 APPLY TO THIS ITEM.



PART NO.	HT PART NO.	SHELL SIZE	A THREAD CLASS 2B	B MAX	C REF	D MAX	E MAX	F MAX	H +.003/-0.015 MAX	J MAX
12347631-1	HT7002-08-6-8	08	1/2-20 UNEF	.78	1.70	.53	.28	.28	.62	.56
12347631-2	HT7002-10-6-8	10	5/8-24 UNEF	.91	1.70	.61	.37	.37	.75	.64
12347631-3	HT7002-12-6-8	12	3/4-20 UNEF	1.03	1.70	.78	.52	.52	.87	.82
12347631-4	HT7002-14-6-8	14	7/8-20 UNEF	1.16	1.70	.84	.58	.58	1.00	.89
12347631-5	HT7002-16-6-8	16	1-20 UNEF	1.28	1.70	.96	.71	.71	1.12	1.08
12347631-6	HT7002-18-6-8	18	1 1/16-18 UNEF	1.34	1.70	1.04	.79	.79	1.19	1.02
12347631-7	HT7002-20-6-8	20	1 3/16-18 UNEF	1.47	1.70	1.22	.91	.91	1.31	1.27
12347631-8	HT7002-22-6-8	22	1 5/16-18 UNEF	1.59	1.70	1.35	1.04	1.04	1.44	1.39
12347631-9	HT7002-24-6-8	24	1 7/16-18 UNEF	1.72	1.70	1.48	1.17	1.17	1.56	1.52
12347631-10	HT7002-08-7-9	08	1/2-20 UNEF	.76	1.70	.53	.28	.28	.62	.56
12347631-11	HT7002-10-7-9	10	5/8-24 UNEF	.91	1.70	.61	.37	.37	.75	.64
12347631-12	HT7002-12-7-9	12	3/4-20 UNEF	1.03	1.70	.78	.52	.52	.87	.82
12347631-13	HT7002-14-7-9	14	7/8-20 UNEF	1.16	1.70	.84	.58	.58	1.00	.89
12347631-14	HT7002-16-7-9	16	1-20 UNEF	1.28	1.70	.96	.71	.71	1.12	1.08
12347631-15	HT7002-18-7-9	18	1 1/16-18 UNEF	1.34	1.70	1.04	.79	.79	1.19	1.02
12347631-16	HT7002-20-7-9	20	1 3/16-18 UNEF	1.47	1.70	1.22	.91	.91	1.31	1.27
12347631-17	HT7002-22-7-9	22	1 5/16-18 UNEF	1.59	1.70	1.35	1.04	1.04	1.44	1.39
12347631-18	HT7002-24-7-9	24	1 7/16-18 UNEF	1.72	1.70	1.48	1.17	1.17	1.56	1.52

SERIES HT7002-16-6-8  
 SHELL SIZE  
 MATERIAL (6 - SEE NOTE 2.1; 7 - SEE NOTE 2.2)  
 FINISH (8 - SEE NOTE 3.1; 9 - SEE NOTE 3.2)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ADAPTOR, STRAIGHT  
 SERIES HT7002  
 DRG. NO. HT0001

TOLERANCES ON  
 2 PLACES ± .02  
 3 PLACES ± .005

PENNYCROSS CLOSE, HellermannTyton  
 PLYMOUTH, www.hellermanntyton.co.uk  
 UNITED KINGDOM CAGE CODE: K0720



NOTES:  
 1. ADAPTORS MUST BE COMPATIBLE WITH THE FOLLOWING CONNECTOR SERIES:  
 MIL-C-38999 SERIES III AND IV.

2. MATERIAL:  
 2.1 ALUMINIUM ALLOY:  
 6061-T6, -T651 OR -T65111, 2011-T3,  
 2.2 STEEL CORROSION RESISTANT TYPE 303.

3. PROTECTIVE FINISH:  
 3.1 FINISH 1.4.3.4 GRADE A OF MIL-STD-171.  
 3.2 FINISH 5.4.1 OF MIL-STD-171.

4. PERFORMANCE (WHEN USED WITH APPROPRIATE SIZED BRAID):  
 A. BRAID RETENTION AT -55°C, 23°C AND 150°C SHALL BE 125LBS MIN.  
 B. INITIAL DC RESISTANCE BETWEEN SHIELD AND ADAPTOR SHALL BE .001Ω MAX  
 C. DC RESISTANCE BETWEEN SHIELD BRAID AND ADAPTOR OF .010Ω MAX DURING AND AFTER 100 THERMAL CYCLES OF -65°C TO 150°C PER SPEC MIL-STD-202, METHOD 107G  
 D. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.  
 E. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.  
 F. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1 RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1.

5. THE ADAPTOR AS UTILIZED WITH A CONNECTOR AND SEALED WITH A HEAT SHRINKABLE BOOT SHALL BE ENVIRONMENTALLY SEALED AND SHOW NO EVIDENCE OF LEAKAGE WHEN SUBMERGED TO A DEPTH OF SIX FEET OF WATER OR EQUIVALENT.

6. DIMENSIONS APPLY AFTER PLATING.

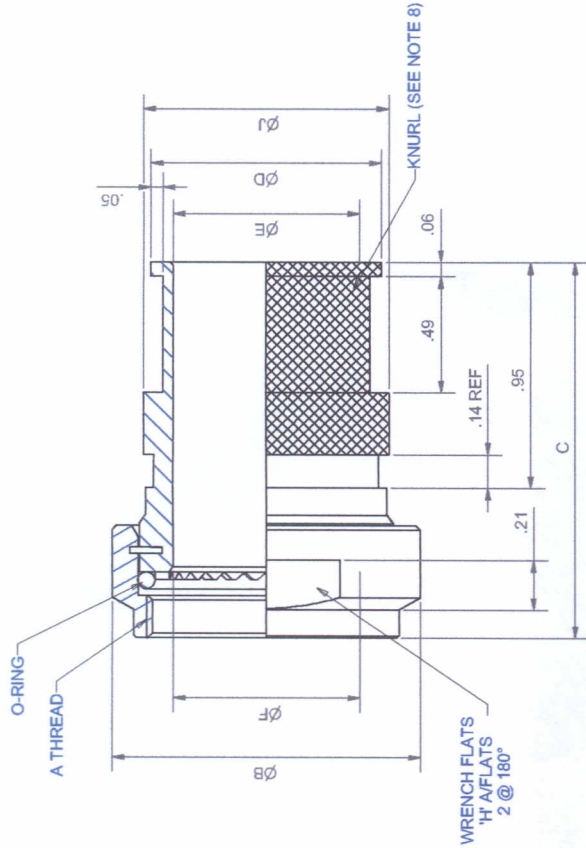
7. ITEM IDENTIFICATION: ENGRAVE OR ELECTO-ETCH PER MIL-STD-130.

8. KNURL TO BE MEDIUM DIAMOND FEMALE KNURL

9. QUALITY ASSURANCE REQUIREMENTS (QAR) 12387118 APPLY TO THIS ITEM.

HT7006-17-6-8

SERIES  
 SHELL SIZE  
 MATERIAL (6 - SEE NOTE 2.1; 7 - SEE NOTE 2.2)  
 FINISH (8 - SEE NOTE 3.1; 9 - SEE NOTE 3.2)



PART NO.	HT PART NO.	SHELL SIZE	A THREAD CLASS 6H	B MAX	C REF	D MAX	E MAX	F MAX	H A/FLATS	J MAX
12387118-1	HT7006-09-6-8	09	M12 x 1.0	.78	1.58	.53	.27	.27	.625	.56
12387118-2	HT7006-11-6-8	11	M15 x 1.0	.91	1.58	.61	.41	.41	.750	.64
12387118-3	HT7006-13-6-8	13	M18 x 1.0	1.03	1.58	.78	.52	.52	.875	.82
12387118-4	HT7006-15-6-8	15	M22 x 1.0	1.16	1.58	.84	.65	.65	1.000	.89
12387118-5	HT7006-17-6-8	17	M25 x 1.0	1.28	1.58	.96	.78	.78	1.125	1.02
12387118-6	HT7006-19-6-8	19	M28 x 1.0	1.41	1.58	1.04	.88	.88	1.250	1.08
12387118-7	HT7006-21-6-8	21	M31 x 1.0	1.53	1.58	1.22	1.01	1.01	1.375	1.27
12387118-8	HT7006-23-6-8	23	M34 x 1.0	1.66	1.58	1.35	1.15	1.15	1.500	1.39
12387118-9	HT7006-25-6-8	25	M37 x 1.0	1.78	1.58	1.48	1.26	1.26	1.625	1.52
12387118-10	HT7006-09-7-9	09	M12 x 1.0	.78	1.58	.53	.27	.27	.625	.56
12387118-11	HT7006-11-7-9	11	M15 x 1.0	.91	1.58	.61	.41	.41	.750	.64
12387118-12	HT7006-13-7-9	13	M18 x 1.0	1.03	1.58	.78	.52	.52	.875	.82
12387118-13	HT7006-15-7-9	15	M22 x 1.0	1.16	1.58	.84	.65	.65	1.000	.89
12387118-14	HT7006-17-7-9	17	M25 x 1.0	1.28	1.58	.96	.78	.78	1.125	1.02
12387118-15	HT7006-19-7-9	19	M28 x 1.0	1.41	1.58	1.04	.88	.88	1.250	1.08
12387118-16	HT7006-21-7-9	21	M31 x 1.0	1.53	1.58	1.22	1.01	1.01	1.375	1.27
12387118-17	HT7006-23-7-9	23	M34 x 1.0	1.66	1.58	1.35	1.15	1.15	1.500	1.39
12387118-18	HT7006-25-7-9	25	M37 x 1.0	1.78	1.58	1.48	1.26	1.26	1.625	1.52

ADAPTOR,  
 STRAIGHT

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES

TOLERANCES ON  
 2 PLACES ± .02  
 3 PLACES ± .005

SERIES  
 DRG. NO. HT7006  
 HT0004

PENNYCROSS CLOSE,  
 PLYMOUTH,  
 DEVON, PL2 3NX  
 UNITED KINGDOM  
 HellermannTyton  
 www.hellermannTyton.co.uk  
 CAGE CODE: K0720





NOTES:  
 1. ADAPTORS MUST BE COMPATIBLE WITH THE FOLLOWING CONNECTOR SERIES:  
 MIL-C-5015, MIL-C-26482 SERIES 2, MIL-C-83723 SERIES 1 AND 3, AND MIL-C-81703 SERIES 3

2. MATERIAL:  
 2.1 ALUMINIUM ALLOY:  
 6061-T6, -T651 OR -T6511, 2011-T3.  
 2.2 STEEL CORROSION RESISTANT TYPE 303.

3. PROTECTIVE FINISH:  
 3.1 FINISH 1.4.3.4 GRADE A OF MIL-STD-171.  
 3.2 FINISH 5.4.1 OF MIL-STD-171.

4. PERFORMANCE (WHEN USED WITH APPROPRIATE SIZED BRAID):  
 A. BRAID RETENTION AT -55°C, 23°C AND 150°C SHALL BE 125lbs MIN.  
 B. INITIAL DC RESISTANCE BETWEEN SHIELD AND ADAPTOR SHALL BE .001Ω MAX  
 C. DC RESISTANCE BETWEEN SHIELD BRAID AND ADAPTOR OF .010Ω MAX DURING AND AFTER 100 THERMAL CYCLES OF -65°C TO 150°C PER SPEC MIL-STD-202, METHOD 107G  
 D. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.  
 E. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.  
 F. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1  
 G. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1.

5. THE ADAPTOR AS UTILIZED WITH A CONNECTOR AND SEALED WITH A HEAT SHRINKABLE BOOT SHALL BE ENVIRONMENTALLY SEALED AND SHOW NO EVIDENCE OF LEAKAGE WHEN SUBMERGED TO A DEPTH OF SIX FEET OF WATER OR EQUIVALENT.

6. DIMENSIONS APPLY AFTER PLATING.

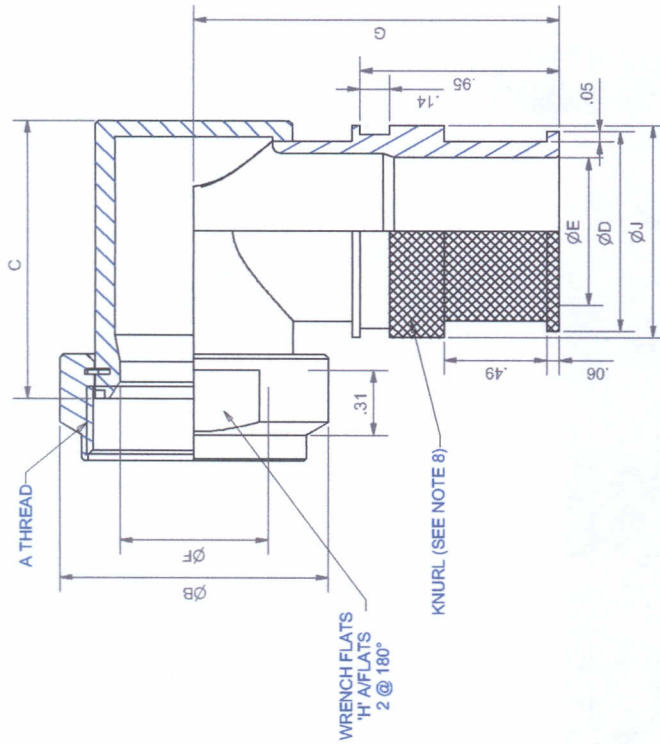
7. ITEM IDENTIFICATION: ENGRAVE OR ELECTO-ETCH PER MIL-STD-130.

8. KNURL TO BE MEDIUM DIAMOND FEMALE KNURL

9. QUALITY ASSURANCE REQUIREMENTS (QAR) 12387120 APPLY TO THIS ITEM.

HT7902-16-6-8

SERIES  
 SHELL SIZE  
 MATERIAL (6 - SEE NOTE 2.1; 7 - SEE NOTE 2.2)  
 FINISH (8 - SEE NOTE 3.1; 9 - SEE NOTE 3.2)



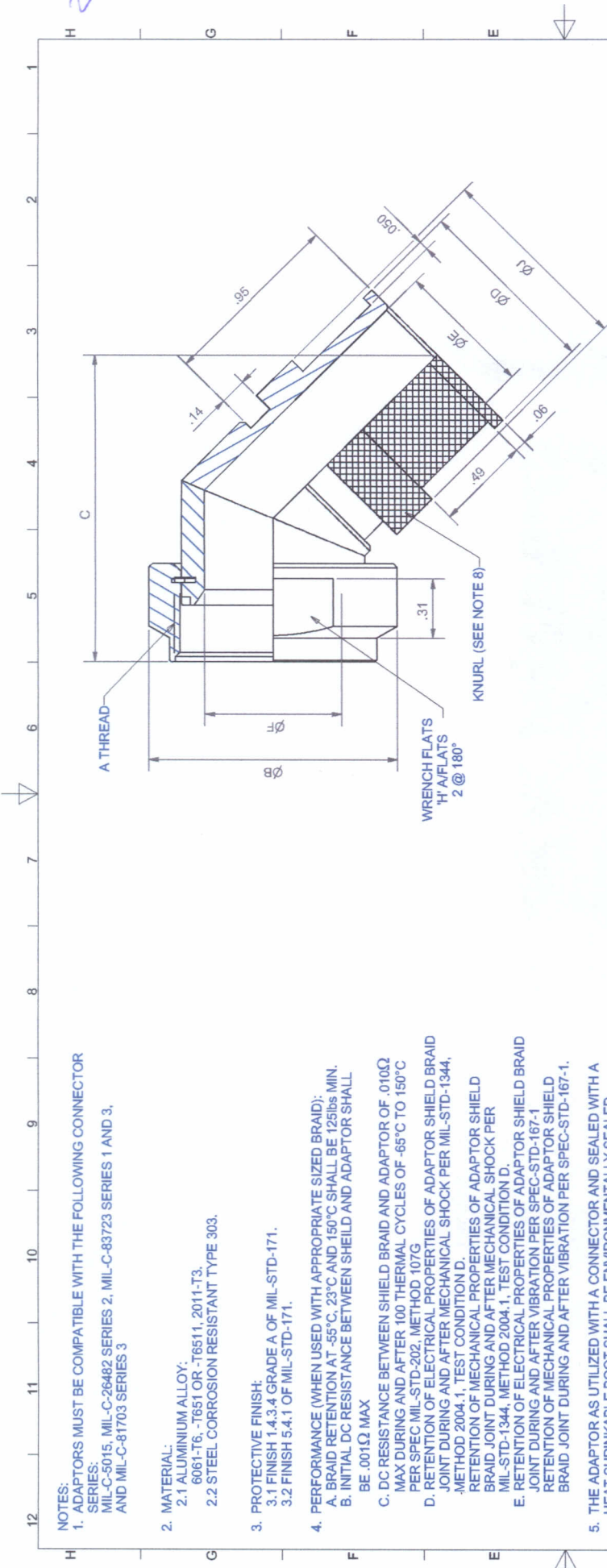
PART NO.	HT PART NO.	SHELL SIZE	A THREAD CLASS 2B	B MAX	C REF	D MAX	E MAX	F MAX	G REF.	H +.003/-.015	J MAX
12387120-1	HT7902-08-6-8	08	1/2-20 UNF	.78	.96	.53	.28	.28	1.48	.62	.56
12387120-2	HT7902-10-6-8	10	5/8-24 UNF	.91	1.04	.61	.37	.37	1.56	.75	.64
12387120-3	HT7902-12-6-8	12	3/4-20 UNF	1.03	1.14	.78	.52	.52	1.62	.87	.82
12387120-4	HT7902-14-6-8	14	7/8-20 UNF	1.16	1.20	.84	.58	.58	1.68	1.00	.89
12387120-5	HT7902-16-6-8	16	1-20 UNF	1.28	1.34	.96	.71	.71	1.74	1.12	1.02
12387120-6	HT7902-18-6-8	18	1 1/16-18 UNF	1.34	1.46	1.04	.79	.79	1.76	1.19	1.08
12387120-7	HT7902-20-6-8	20	1 3/16-18 UNF	1.47	1.65	1.22	.91	.91	1.83	1.31	1.27
12387120-8	HT7902-22-6-8	22	1 5/16-18 UNF	1.59	1.73	1.35	1.04	1.04	1.89	1.44	1.39
12387120-9	HT7902-24-6-8	24	1 7/16-18 UNF	1.72	1.77	1.48	1.17	1.17	1.91	1.56	1.52
12387120-10	HT7902-08-7-9	08	1/2-20 UNF	.78	.96	.53	.28	.28	1.48	.62	.56
12387120-11	HT7902-10-7-9	10	5/8-24 UNF	.91	1.04	.61	.37	.37	1.56	.75	.64
12387120-12	HT7902-12-7-9	12	3/4-20 UNF	1.03	1.14	.78	.52	.52	1.62	.87	.82
12387120-13	HT7902-14-7-9	14	7/8-20 UNF	1.16	1.20	.84	.58	.58	1.68	1.00	.89
12387120-14	HT7902-16-7-9	16	1-20 UNF	1.28	1.34	.96	.71	.71	1.74	1.12	1.02
12387120-15	HT7902-18-7-9	18	1 1/16-18 UNF	1.34	1.46	1.04	.79	.79	1.76	1.19	1.08
12387120-16	HT7902-20-7-9	20	1 3/16-18 UNF	1.47	1.65	1.22	.91	.91	1.83	1.31	1.27
12387120-17	HT7902-22-7-9	22	1 5/16-18 UNF	1.59	1.73	1.35	1.04	1.04	1.89	1.44	1.39
12387120-18	HT7902-24-7-9	24	1 7/16-18 UNF	1.72	1.77	1.48	1.17	1.17	1.91	1.56	1.52

ADAPTOR, 90°  
 DRG. NO. HT7902  
 HT0003

TOLERANCES ON  
 2 PLACES ±.02  
 3 PLACES ±.005

PENNYCROSS CLOSE, HELLERMANN TYTON  
 PLYMOUTH, DEVON, PL2 3NX  
 UNITED KINGDOM  
 www.hellermann-tyton.co.uk  
 CAGE CODE: K0720

970  
690  
260



- NOTES:
- ADAPTORS MUST BE COMPATIBLE WITH THE FOLLOWING CONNECTOR SERIES:  
MIL-C-5015, MIL-C-26482 SERIES 2, MIL-C-83723 SERIES 1 AND 3, AND MIL-C-81703 SERIES 3
  - MATERIAL:  
2.1 ALUMINIUM ALLOY:  
6061-T6, -T651 OR -T6511, 2011-T3  
2.2 STEEL CORROSION RESISTANT TYPE 303.
  - PROTECTIVE FINISH:  
3.1 FINISH 1.4.3.4 GRADE A OF MIL-STD-171.  
3.2 FINISH 5.4.1 OF MIL-STD-171.
  - PERFORMANCE (WHEN USED WITH APPROPRIATE SIZED BRAID):  
A. BRAID RETENTION AT -55°C, 23°C AND 150°C SHALL BE 125LBS MIN.  
B. INITIAL DC RESISTANCE BETWEEN SHIELD AND ADAPTOR SHALL BE .001Ω MAX  
C. DC RESISTANCE BETWEEN SHIELD BRAID AND ADAPTOR OF .010Ω MAX DURING AND AFTER 100 THERMAL CYCLES OF -65°C TO 150°C PER SPEC MIL-STD-202, METHOD 107G  
D. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, -METHOD 2004.1, TEST CONDITION D.  
E. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, -METHOD 2004.1, TEST CONDITION D.  
F. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1  
G. RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1.
  - THE ADAPTOR AS UTILIZED WITH A CONNECTOR AND SEALED WITH A HEAT SHRINKABLE BOOT SHALL BE ENVIRONMENTALLY SEALED AND SHOW NO EVIDENCE OF LEAKAGE WHEN SUBMERGED TO A DEPTH OF SIX FEET OF WATER OR EQUIVALENT.
  - DIMENSIONS APPLY AFTER PLATING.
  - ITEM IDENTIFICATION: ENGRAVE OR ELECTO-ETCH PER MIL-STD-130.
  - KNURL TO BE MEDIUM DIAMOND FEMALE KNURL
  - QUALITY ASSURANCE REQUIREMENTS (QAR) 12387121 APPLY TO THIS ITEM.

PART NO.	HT PART NO.	SHELL SIZE	A THREAD CLASS 2B	B MAX	C REF	D MAX	E MAX	F MAX	H +.003/-0.015	J MAX	SERIES	DRG. NO.	
												ADAPTOR, 45°	
12387121-1	HT7402-08-6-8	08	1/2-20 UNEF	.78	1.46	.53	.28	.28	.62	.56	HT7402		
12387121-2	HT7402-10-6-8	10	5/8-24 UNEF	.91	1.48	.61	.37	.37	.75	.64	HT0002		
12387121-3	HT7402-12-6-8	12	3/4-20 UNEF	1.03	1.52	.78	.52	.52	.87	.82			
12387121-4	HT7402-14-6-8	14	7/8-20 UNEF	1.16	1.56	.84	.58	.58	1.00	.89			
12387121-5	HT7402-16-6-8	16	1-20 UNEF	1.28	1.60	.96	.71	.71	1.12	1.02			
12387121-6	HT7402-18-6-8	18	1 1/16-18 UNEF	1.34	1.66	1.04	.79	.79	1.19	1.08			
12387121-7	HT7402-20-6-8	20	1 3/16-18 UNEF	1.47	1.70	1.22	.91	.91	1.31	1.27			
12387121-8	HT7402-22-6-8	22	1 5/16-18 UNEF	1.59	1.73	1.35	1.04	1.04	1.44	1.39			
12387121-9	HT7402-24-6-8	24	1 7/16-18 UNEF	1.72	1.79	1.48	1.17	1.17	1.56	1.52			
12387121-10	HT7402-08-7-9	08	1/2-20 UNEF	.78	1.46	.53	.28	.28	.62	.56			
12387121-11	HT7402-10-7-9	10	5/8-24 UNEF	.91	1.48	.61	.37	.37	.75	.64			
12387121-12	HT7402-12-7-9	12	3/4-20 UNEF	1.03	1.52	.78	.52	.52	.87	.82			
12387121-13	HT7402-14-7-9	14	7/8-20 UNEF	1.16	1.56	.84	.58	.58	1.00	.89			
12387121-14	HT7402-16-7-9	16	1-20 UNEF	1.28	1.60	.96	.71	.71	1.12	1.02			
12387121-15	HT7402-18-7-9	18	1 1/16-18 UNEF	1.34	1.66	1.04	.79	.79	1.19	1.08			
12387121-16	HT7402-20-7-9	20	1 3/16-18 UNEF	1.47	1.70	1.22	.91	.91	1.31	1.27			
12387121-17	HT7402-22-7-9	22	1 5/16-18 UNEF	1.59	1.73	1.35	1.04	1.04	1.44	1.39			
12387121-18	HT7402-24-7-9	24	1 7/16-18 UNEF	1.72	1.79	1.48	1.17	1.17	1.56	1.52			

HT7402-16-6-8  
SERIES  
SHELL SIZE  
MATERIAL (6 - SEE NOTE 2.1; 7 - SEE NOTE 2.2)  
FINISH (8 - SEE NOTE 3.1; 9 - SEE NOTE 3.2)

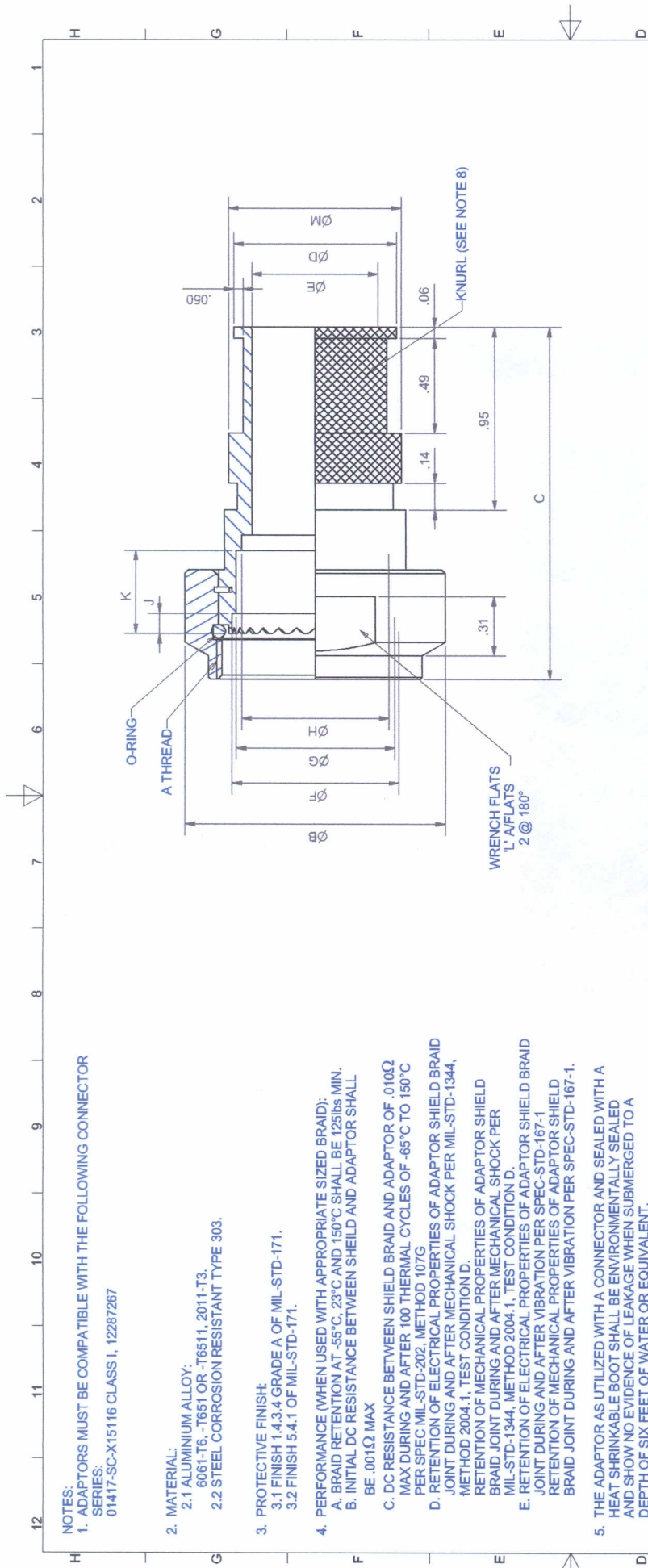
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ON  
2 PLACES ± .02  
3 PLACES ± .005

PENNYCROSS CLOSE,  
PLYMOUTH,  
DEVON, PL2 3NX  
UNITED KINGDOM  
www.hellermann-tyton.co.uk  
CAGE CODE: K0720

HellermannTyton





PART NO.	HT PART NO.	SHELL SIZE	A THREAD CLASS 2B	B MAX	C REF	D MAX	E MAX	F +/- .004	G +/- .002	H +/- .002	J +/- .003	K +/- .005	L +.003/- .015	M MAX
12387129-1	HT7035-12-6-8	12	5/8-24 UNEF	.37	1.50	.53	.27	.466	.459	.411	0.105	.374	.81	.56
12387129-2	HT7035-14-6-8	14	3/4-20 UNEF	1.03	1.50	.51	.41	.610	.522	.443	0.078	.232	.81	.64
12387129-3	HT7035-16-6-8	16	7/8-20 UNEF	1.22	1.83	.78	.52	.736	.652	.514	0.145	.299	1.06	.82
12387129-4	HT7035-18-6-8	18	1-20 UNEF	1.34	1.83	.84	.65	.860	.817	.758	0.105	.433	1.19	.89
12387129-5	HT7035-20-6-8	20	1 1/8-18 UNEF	1.47	1.91	.96	.78	.986	.908	.762	0.113	.260	1.31	1.02
12387129-6	HT7035-22-6-8	22	1 1/4-18 UNEF	1.59	1.91	1.04	.88	1.108	1.014	.868	0.113	.260	1.44	1.08
12387129-7	HT7035-24-6-8	24	1 3/8-18 UNEF	1.72	2.01	1.22	1.01	1.236	1.183	1.230	0.097	.464	1.56	1.27
12387129-8	HT7035-26-6-8	28	1 7/8-18 UNEF	1.97	2.01	1.35	1.13	1.431	1.333	1.230	0.113	.425	1.81	1.39
12387129-9	HT7035-32-6-8	32	2 1/8-16 UN	2.22	2.15	1.48	1.26	1.687	1.624	1.490	0.105	.464	2.06	1.52
12387129-10	HT7035-36-6-8	36	2 1/16-16 UNS	2.47	2.15	1.71	1.38	1.88	1.773	1.624	N/A	.417	2.31	1.74
12387129-11	HT7035-12-7-9	12	5/8-24 UNEF	.87	1.50	.53	.27	.486	.459	.411	0.105	.374	.81	.56
12387129-12	HT7035-14-7-9	14	3/4-20 UNEF	1.03	1.50	.51	.41	.610	.522	.443	0.078	.232	.81	.64
12387129-13	HT7035-16-7-9	16	7/8-20 UNEF	1.22	1.83	.78	.52	.736	.652	.514	0.145	.299	1.06	.82
12387129-14	HT7035-18-7-9	18	1-20 UNEF	1.34	1.83	.84	.65	.860	.817	.758	0.105	.433	1.19	.89
12387129-15	HT7035-20-7-9	20	1 1/8-18 UNEF	1.47	1.91	.96	.78	.986	.908	.762	0.113	.260	1.31	1.02
12387129-16	HT7035-22-7-9	22	1 1/4-18 UNEF	1.59	1.91	1.04	.88	1.108	1.014	.868	0.113	.260	1.44	1.08
12387129-17	HT7035-24-7-9	24	1 3/8-18 UNEF	1.72	2.01	1.22	1.01	1.236	1.183	1.120	0.097	.464	1.56	1.27
12387129-18	HT7035-26-7-9	28	1 7/8-18 UNEF	1.97	2.01	1.35	1.13	1.431	1.333	1.230	0.113	.425	1.81	1.39
12387129-19	HT7035-32-7-9	32	2 1/8-16 UN	2.22	2.15	1.48	1.26	1.687	1.624	1.490	0.105	.464	2.06	1.52
12387129-20	HT7035-36-7-9	36	2 1/16-16 UNS	2.47	2.15	1.71	1.38	N/A	1.88	1.773	N/A	.417	2.31	1.74

**ADAPTOR, STRAIGHT**

SERIES HT7035  
DRG. NO. HT0007

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ON  
2 PLACES ± .02  
3 PLACES ± .005

PENNYCROSS CLOSE, HELLERMANN TYTON  
PLYMOUTH, DEVON, PL2 3NX  
www.hellermann-tyton.co.uk  
CAGE CODE: K0720

UNITED KINGDOM

- NOTES:
- ADAPTORS MUST BE COMPATIBLE WITH THE FOLLOWING CONNECTOR SERIES:  
01417-SC-X15116 CLASS 1, 12287267
  - MATERIAL:  
2.1 ALUMINIUM ALLOY:  
6061-T6, -T651 OR -T6511, 2011-T3.  
2.2 STEEL CORROSION RESISTANT TYPE 303.
  - PROTECTIVE FINISH:  
3.1 FINISH 1.4.3.4 GRADE A OF MIL-STD-171.  
3.2 FINISH 5.4.1 OF MIL-STD-171.
  - PERFORMANCE (WHEN USED WITH APPROPRIATE SIZED BRAID):  
A. BRAID RETENTION AT -55°C, 23°C AND 150°C SHALL BE 125lbs MIN.  
B. INITIAL DC RESISTANCE BETWEEN SHIELD AND ADAPTOR SHALL BE .001Ω MAX  
C. DC RESISTANCE BETWEEN SHIELD BRAID AND ADAPTOR OF .010Ω MAX DURING AND AFTER 100 THERMAL CYCLES OF -65°C TO 150°C PER SPEC MIL-STD-202, METHOD 107G  
D. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.  
RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER MECHANICAL SHOCK PER MIL-STD-1344, METHOD 2004.1, TEST CONDITION D.  
E. RETENTION OF ELECTRICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1  
RETENTION OF MECHANICAL PROPERTIES OF ADAPTOR SHIELD BRAID JOINT DURING AND AFTER VIBRATION PER SPEC-STD-167-1.
  - THE ADAPTOR AS UTILIZED WITH A CONNECTOR AND SEALED WITH A HEAT SHRINKABLE BOOT SHALL BE ENVIRONMENTALLY SEALED AND SHOW NO EVIDENCE OF LEAKAGE WHEN SUBMERGED TO A DEPTH OF SIX FEET OF WATER OR EQUIVALENT.
  - DIMENSIONS APPLY AFTER PLATING.
  - ITEM IDENTIFICATION: ENGRAVE OR ELECTO-ETCH PER MIL-STD-130.
  - KNURL TO BE MEDIUM DIAMOND FEMALE KNURL
  - QUALITY ASSURANCE REQUIREMENTS (QAR) 12387129  
APPLY TO THIS ITEM.

HT7035-16-6-8

SERIES  
SHELL SIZE  
MATERIAL (6 - SEE NOTE 2.1; 7 - SEE NOTE 2.2)  
FINISH (8 - SEE NOTE 3.1; 9 - SEE NOTE 3.2)