Application Instructions for USCAR/EWCAP-005 CONNECTOR CLIP SLOT

- 1. The USCAR "EWCAP-005" drawing defines four clip slots that can be added to a connector to allow retainer clips to be attached to it. Clip slots are not required for a connector to be USCAR compliant. Inclusion of a clip slot is determined by the customer's needs. If one of the EWCAP clip slots is requested, callout the applicable design from the EWCAP-005 clip slot design choices. Item 5 lists what EWCAP recommends for a clip slot based on connector design.
- 2. To be EWCAP compliant, the clip slot must be tooled exactly as specified in EWCAP-005. If a variant design is used, the deviations from the EWCAP design must be noted on the connector drawing and any product specification literature that references the connector's USCAR compliance.
- 3. Clips and retainers intended to be mated to a EWCAP-005 clip slot design need to be tested per USCAR-44 Sec 5.12, test path N.
- 4. Solid model STEP files are available and are recommended to be imported directly into the model. Import of the model eliminates translation errors and saves time for connector designers. The ISO standard "STEP" file format is provided.
- 5. EWCAP recommends clip slots be selected based on the following application guidelines a. The 11mm Clip Slot (EWCAP-005-11) is first choice. Select the 11mm Clip Slot for connectors up to 55mm (in face-view Diagonal Dimension).
 - b. Use the 17mm Clip Slot (EWCAP-005-17) for connectors with greater than 55mm face-view diagonal dimension (or as needed for strength by Engineering Analysis)
 - c. Use the 23mm Clip Slot (EWCAP-005-23) when requested by customer.
 - d. Use the 7mm Clip Slot (EWCAP-005-7) only when the connector design will not fit the 11mm Clip Slot (EWCAP-005-11).
- 6. Part shall not rattle after clip is installed.

EWCAP would like to thank HellermannTyton and Delphi for technical and development support on this important standard.

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HellermannTyton.

177	G	ADDED "BACK" TO WALL THICKNESS DIMENSION	1/15/24	EJF	SJA
174	F	F1 UPDATED CUSTOMER LIST F2 ADDED USCAR-44 REFERENCE F3 REMOVED MINIMUM PAD F4 ADDED TOLERANCES F5 ADDED OVERALL MIN REF DIMENSIONS F6 REVISED MIN CLEARANCE NOTE	10/13/22	EJF	SJA
161	E	E1 ADDED OVERALL HEIGHT E2 UPDATED NOTE 5b, 5c E3 UPDATED NOTE 1 E4 REMOVED HYPERLINK	3/18/20	GJD	EJF
153	D	D1 CHANGED PARTING LINE D2 ENLARGED RADIUS D3 WAS 4.2/4.3 D4 WAS 28.7°	11/20/18	SJA	TAT
120	С	C1 ADDED SHEET 3 of 5 C2 UPDATED NOTE 5	3/23/16	EJF	EJH
	В	ADDED NOTE 6	9/6/11	EJH	SJA
	Α	INITIAL RELEASE	9/6/11	SJA	WPT
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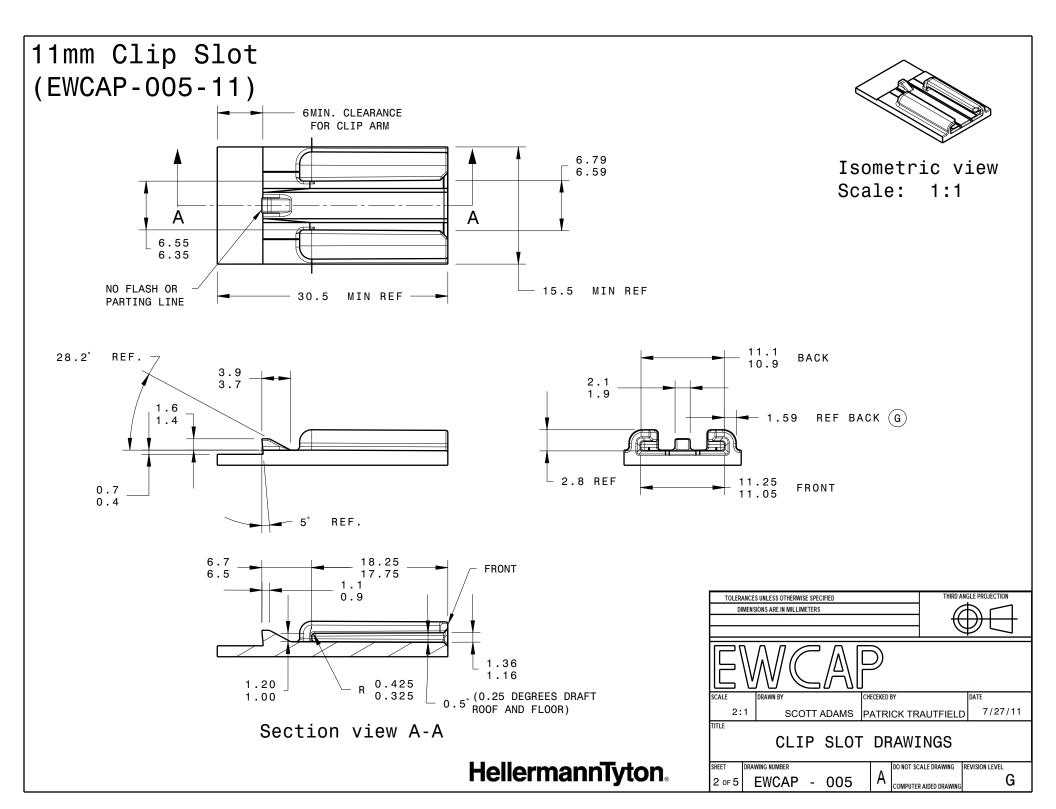
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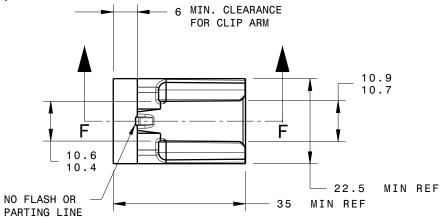
CLIP SLOT DRAWINGS

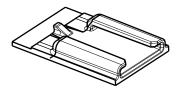
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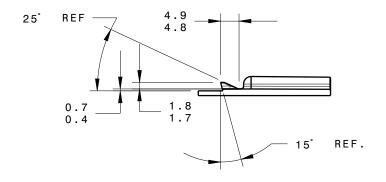


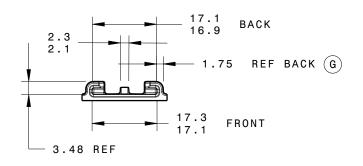
17mm Clip Slot (EWCAP-005-17)

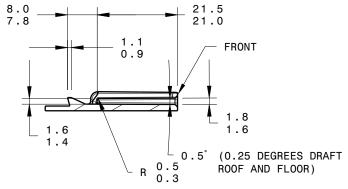




ISOMETRIC VIEW







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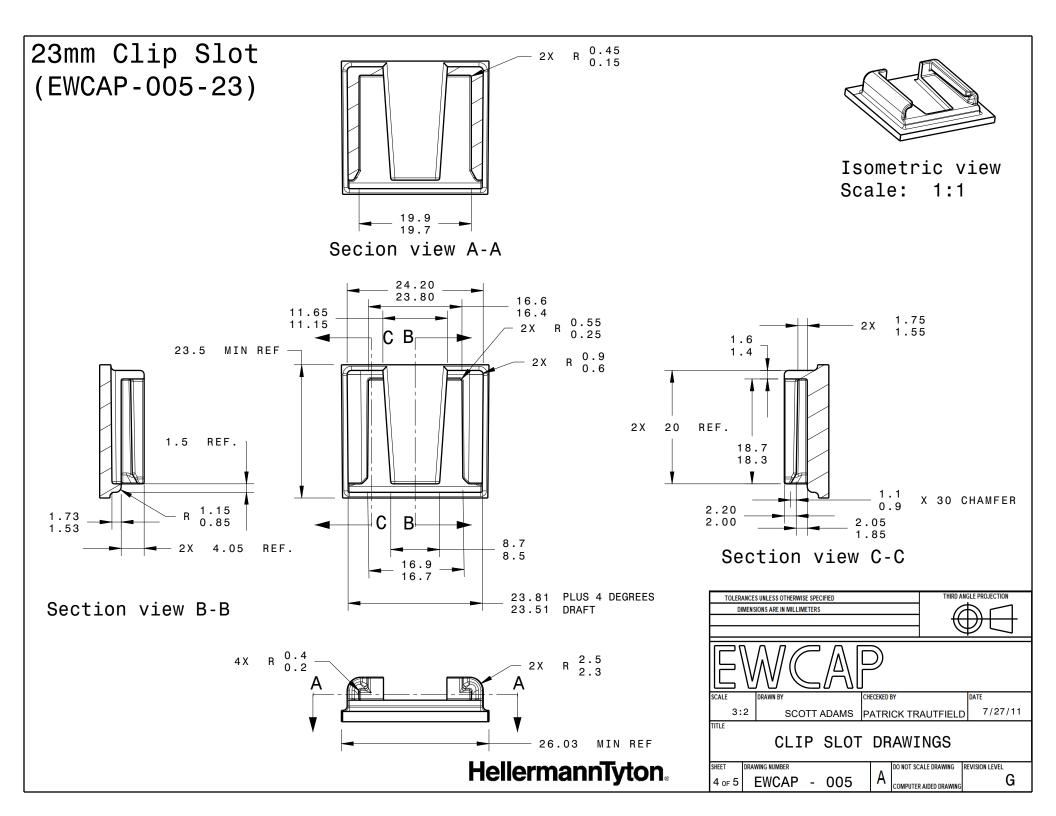
CLIP SLOT DRAWINGS

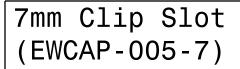
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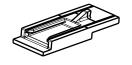
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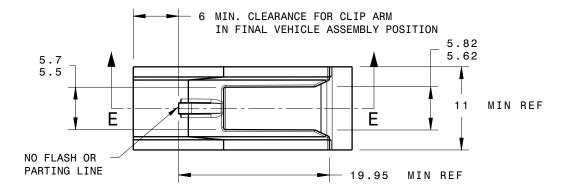
SECTION VIEW F-F

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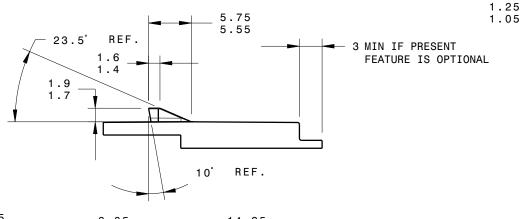


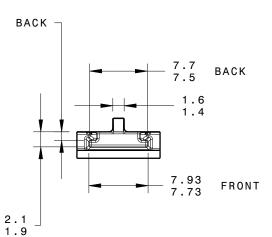






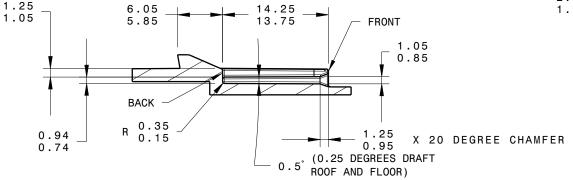
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EWCAP - 005

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Section view E-E

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