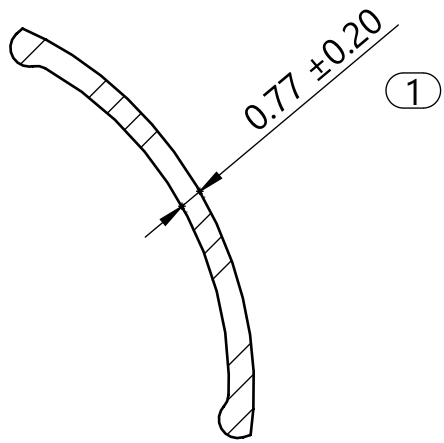
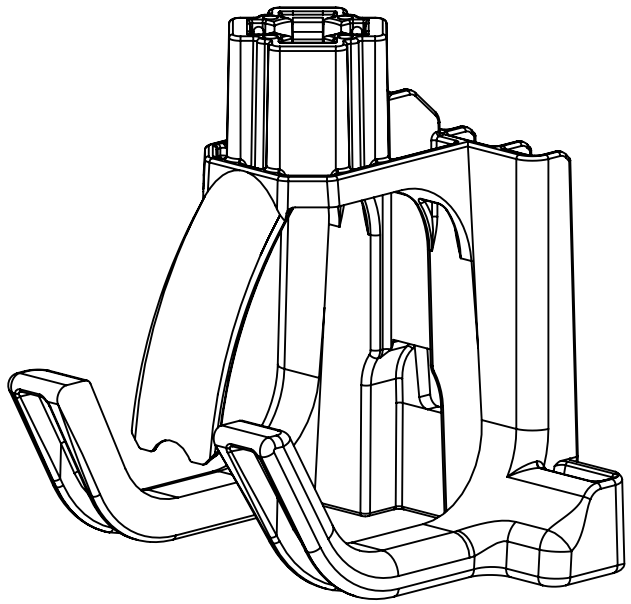
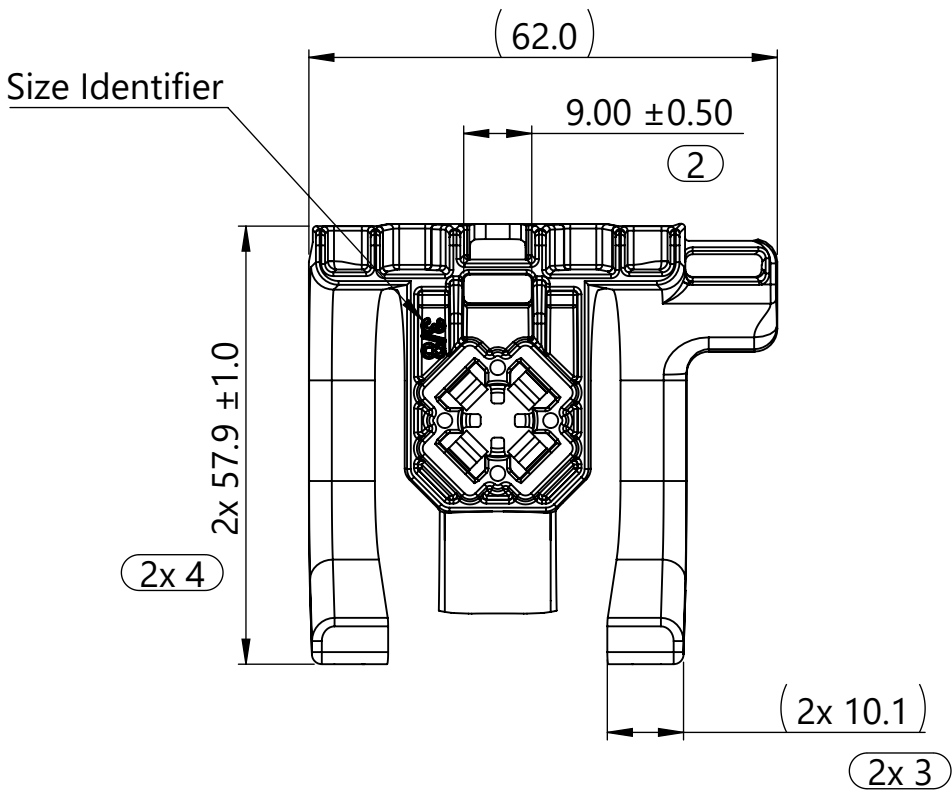
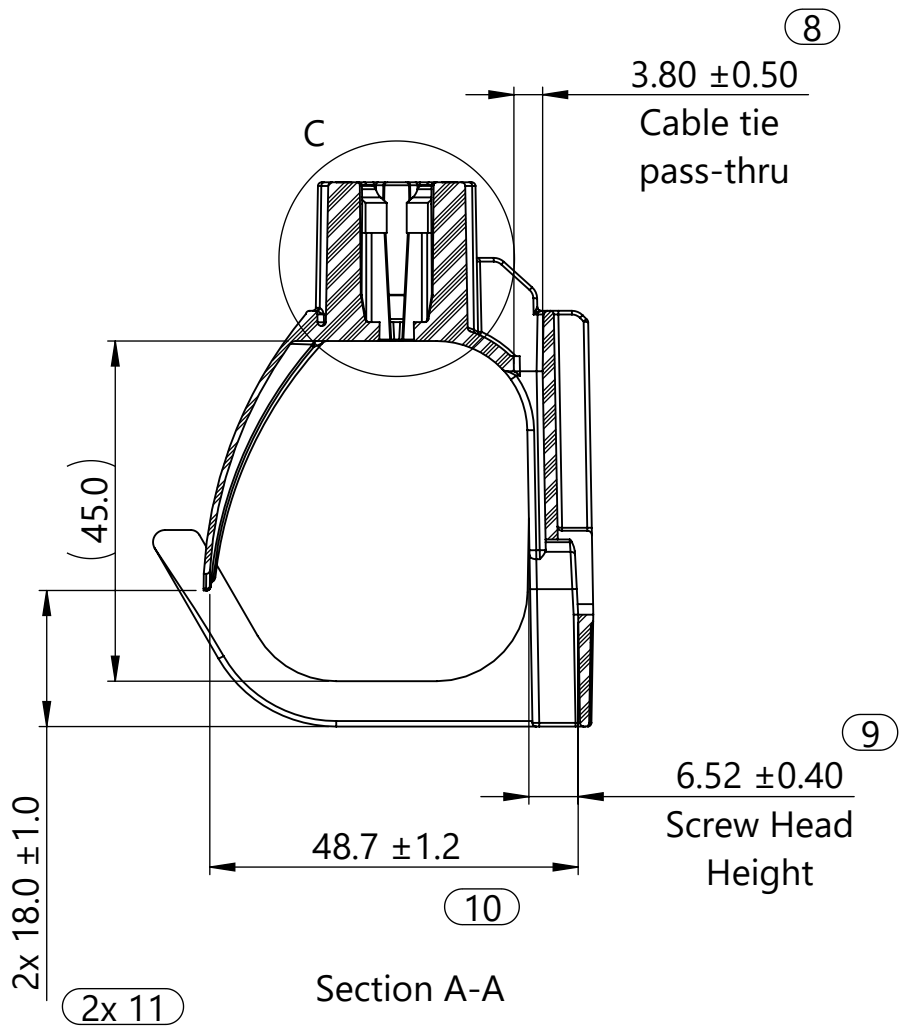
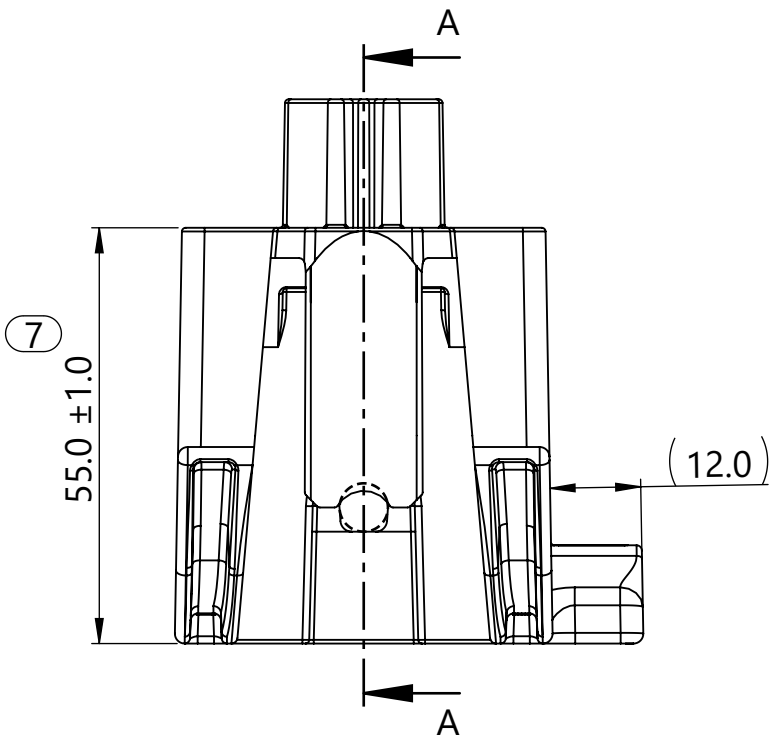
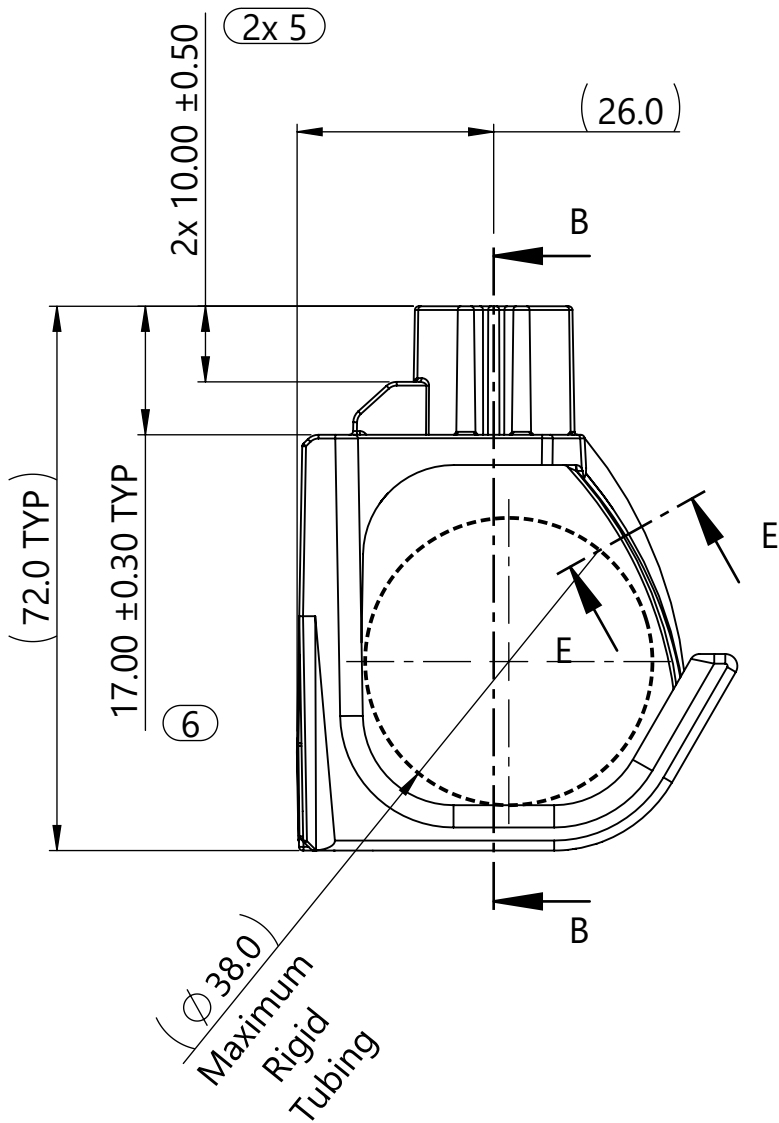
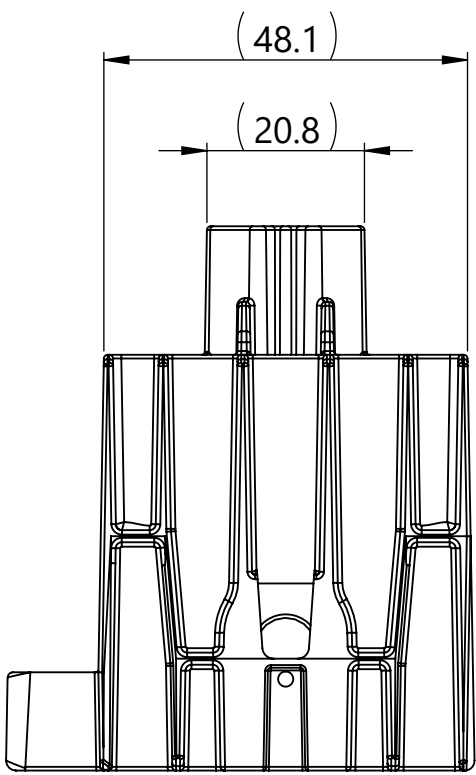




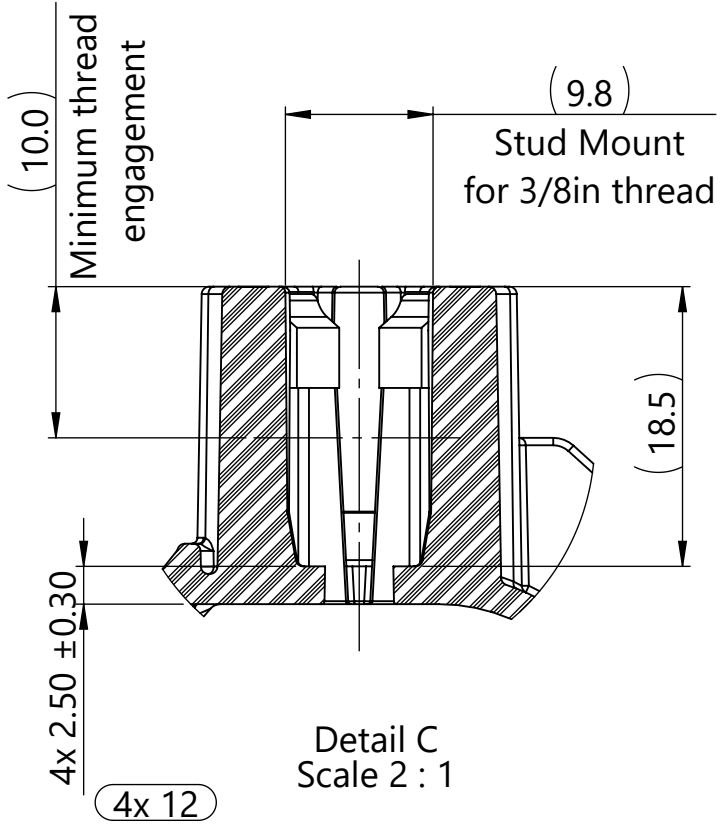
Section E-E
Scale 4 : 1



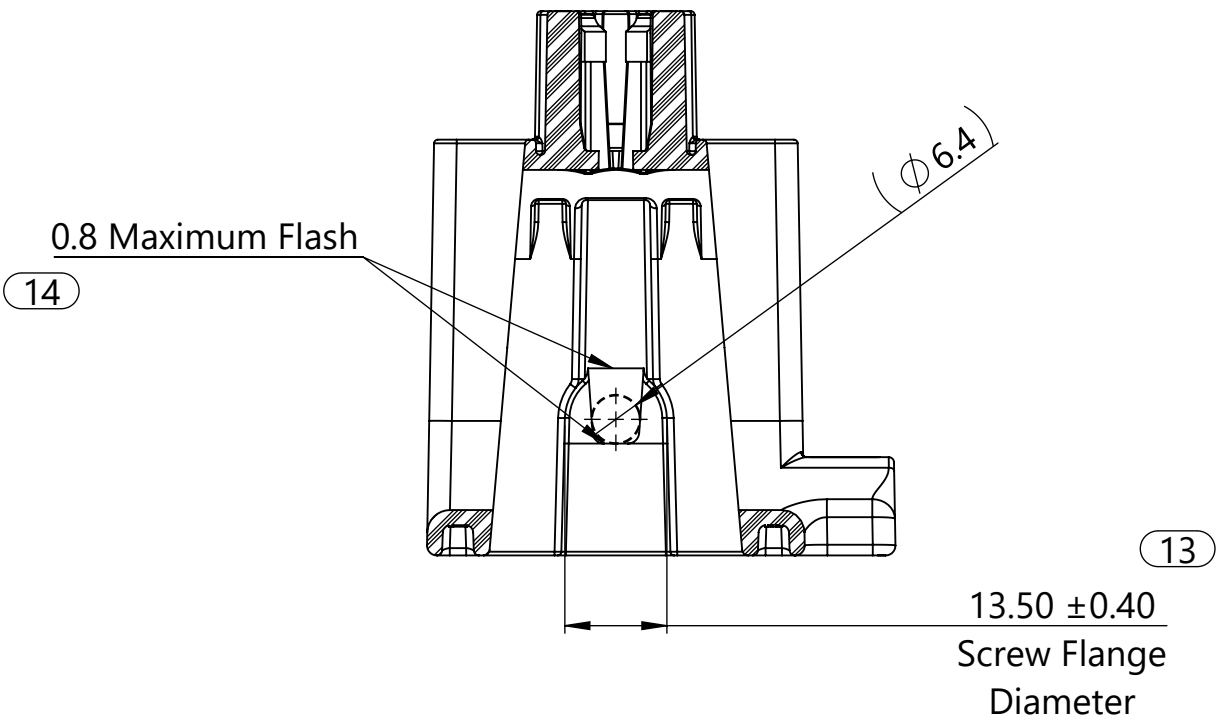
Isometric view



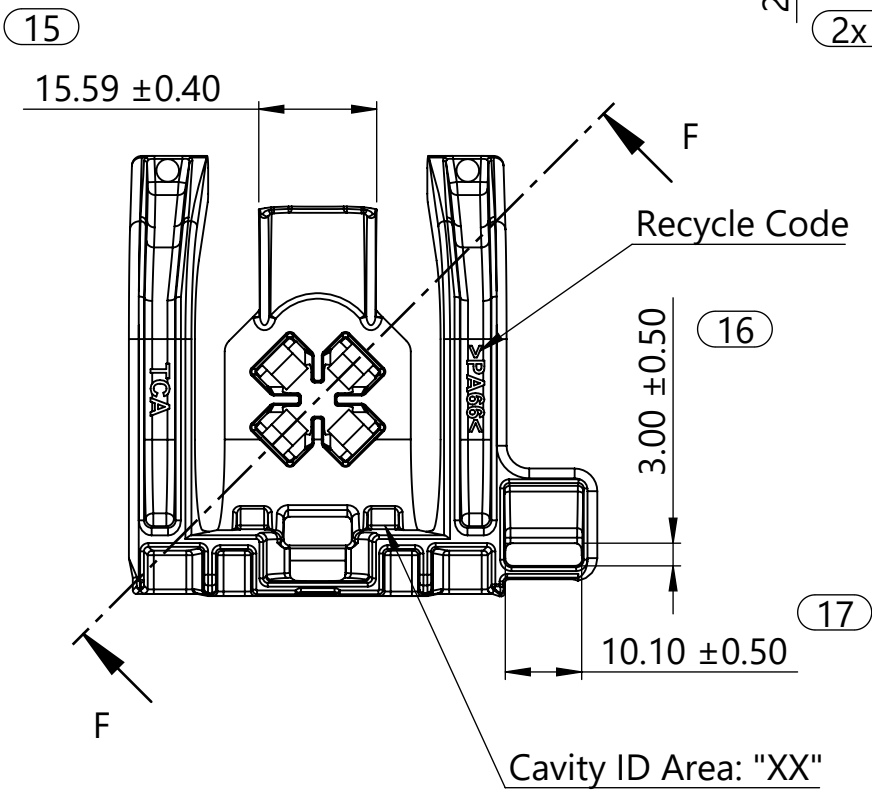
Section A-A



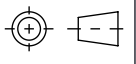
Detail C
Scale 2 : 1

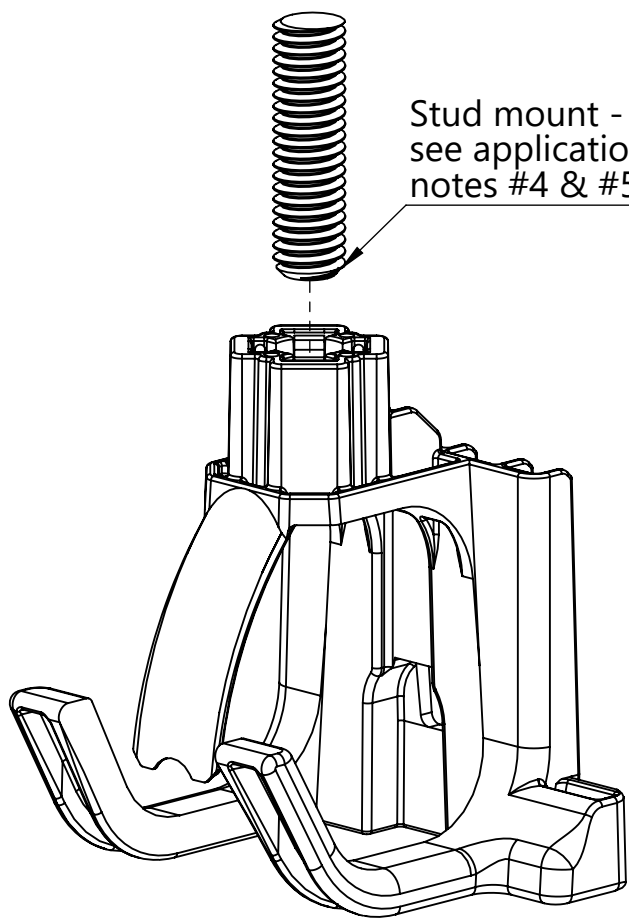


Section B-B

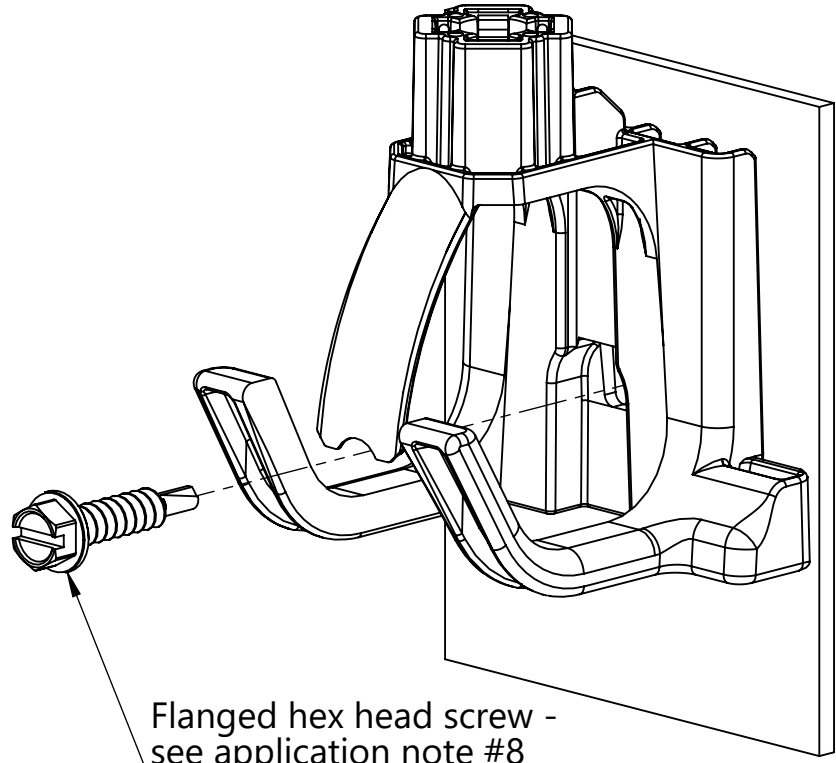


- Notes:
1. Material: See chart
 2. Material color: See chart
 3. Maximum percent regrind permissible: 25%
 4. Maximum allowable flash to be: 0.25mm
 5. Maximum allowable mismatch to be: 0.10mm
 6. A dimension without an inspection report symbol  does not require inspection. It may be controlled on the individual component drawing.
 - a. Total number of inspection required: 19
 - b. Last number used: 19
 - c. Missing symbols: -

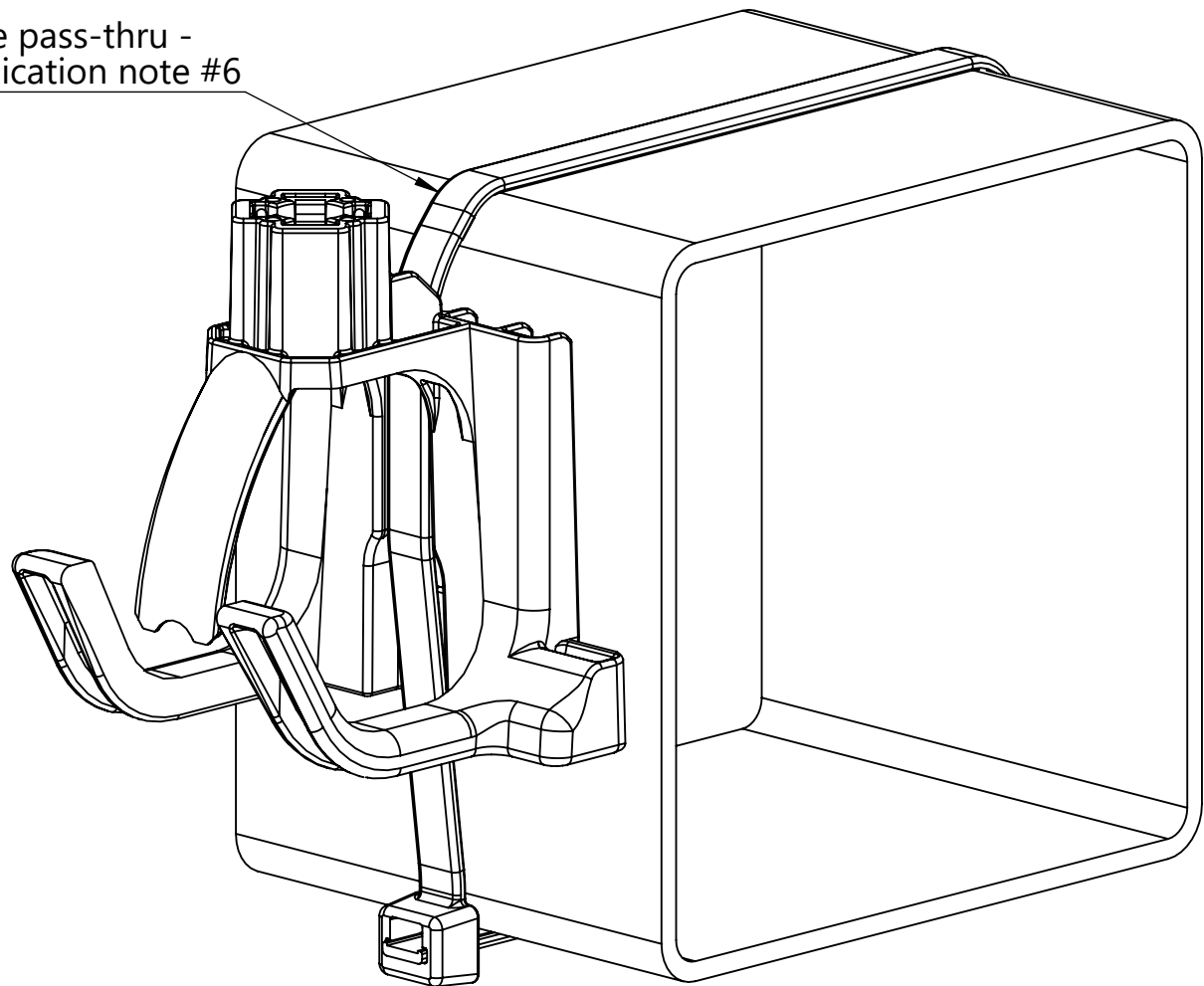
Revision level			Revision Record					The copyright of this drawing is reserved by HellermannTyton.		Drawn		Date (YYYY/MM/DD)		Title Solar Clip, #12 screw mount, 3/8in stud mount, cable tie anchor		Scale 1:1 Global Project Number 24-1381			
Drawing	State	Part	ECN 311857	ECN 311857	Toll					2024/12/11	Approved	Date (YYYY/MM/DD)	Mann					2024/12/11	Drawing-No
01.1	Design Release	-																	
Changed	Date (YYYY/MM/DD)																		
Toll	2025/02/10																		
Approved	Date (YYYY/MM/DD)																		
Mann	2025/02/10																		
										Units mm		HellermannTyton		Drawing-No 24-1381-001-CSU		Format A2			
										www.HellermannTyton.com		Sheet 1/2							



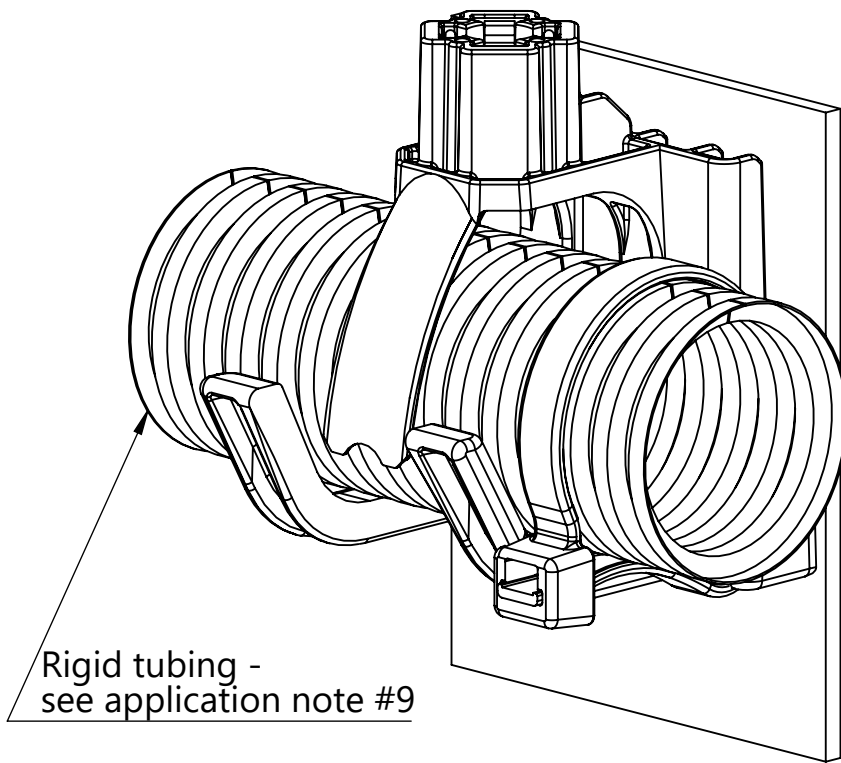
Stud Mount Anchor Installation



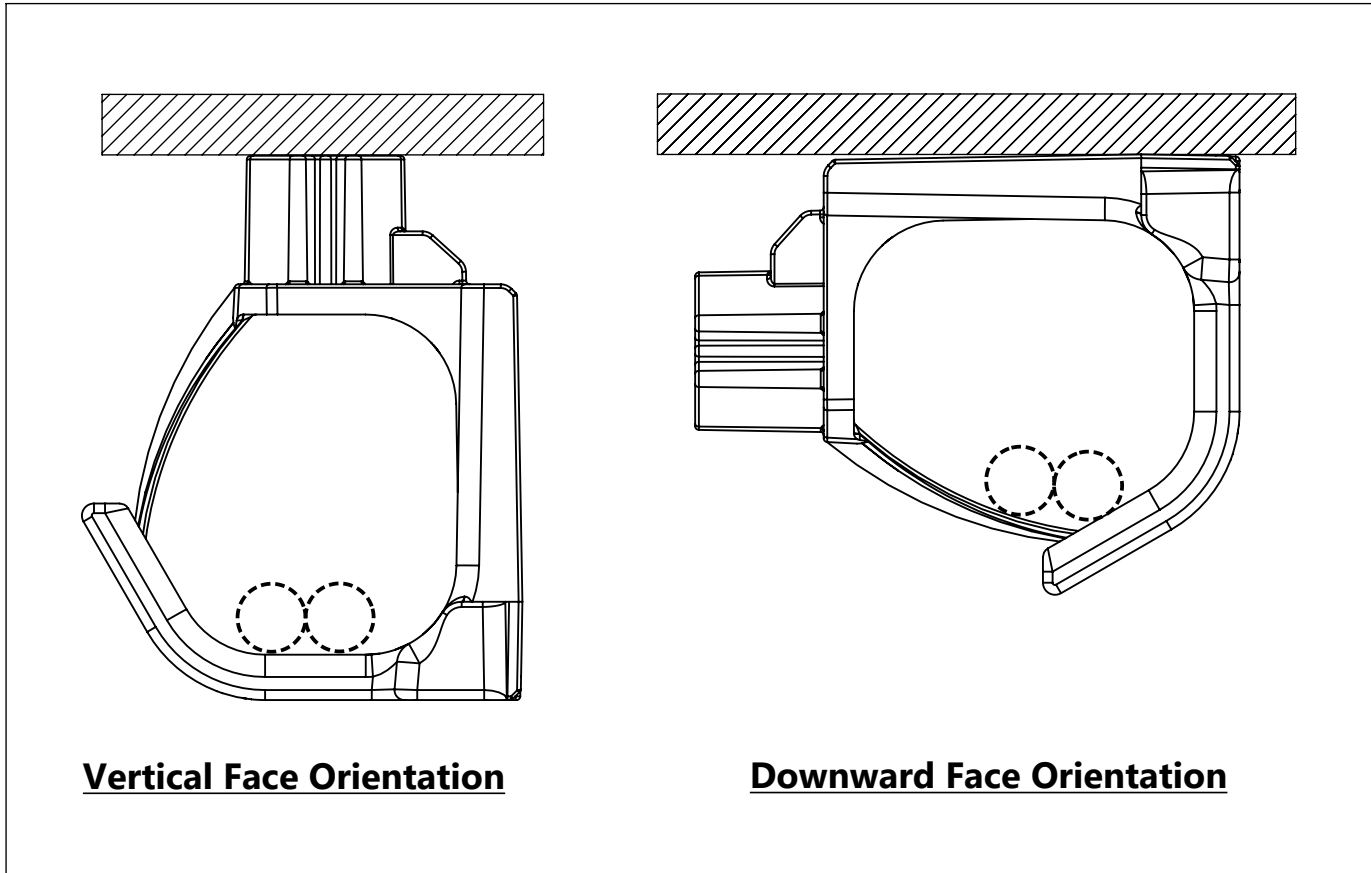
Screw Anchor Installation



Cable Tie Anchor Installation

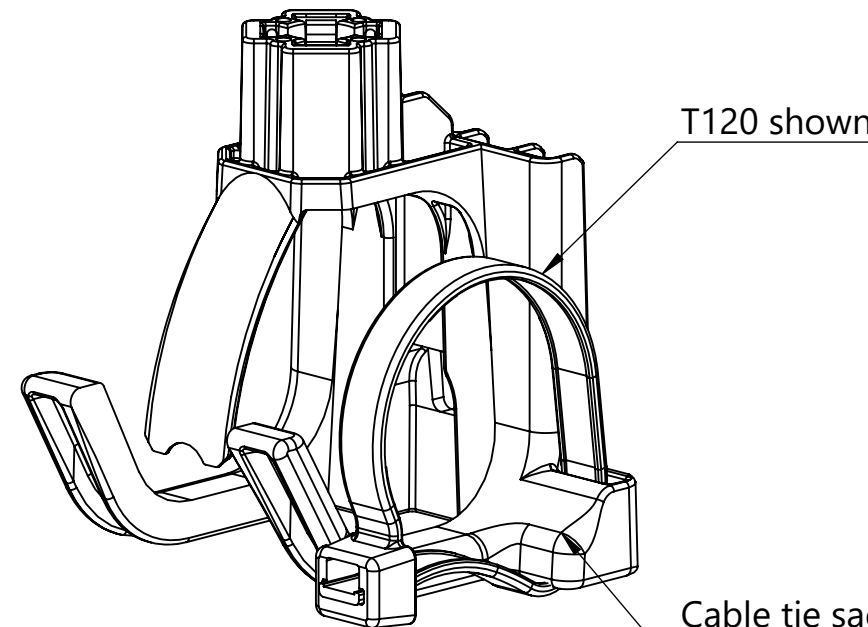


Rigid Tubing Application



Vertical Face Orientation

Downward Face Orientation



Cable Tie Saddle Application

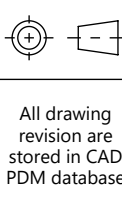
Initial Tool Validation at dry as molded:
1. Anchor Strength: Exceeds value in chart below for each application at a nominal bundle diameter of 12.7mm (0.5in)

- 19 Performance requirements at dry as molded:
2. Stud mount push on force: 45N (10lbf) maximum on applicable stud size.
3. Stud mount pull off force: 222N (50lbf) minimum on applicable stud size.

- Application Notes:
4. Stud mount anchor installation stud size: 3/8in-16
5. Minimum stud length for rated pull-off & thread engagement: 10.0mm (0.39in)
6. Recommended cable tie (anchor): T120X or T120XLM
7. Recommended cable tie (saddle): T120S or T50R
8. Flanged hex head screw size:
A. M5
B. #12 (0.216in)
9. Recommended convoluted tubing: CTPUV1140
A. 31.8mm (1-1/4in) inner diameter maximum
10. Maximum bundle diameter: 38.1mm (1.50in)
A. Equivalent to approximately 17x 8ga copper photovoltaic conductors (Ø 8.3mm [0.326in])
B. Equivalent to approximately 12x 6ga copper photovoltaic conductors (Ø 9.1mm [0.360in])
C. Equivalent to approximately 11x 4ga aluminum photovoltaic conductors (Ø 9.7mm [0.382in])

Anchor Strength	Stud Mount Anchor Application		Screw Mount Anchor Application		Cable Tie Anchor Application	
	Vertical Face	Downward Face	Vertical Face	Downward Face	Vertical Face	Downward Face
With Cable Tie	45N (10lbf)	31N (7lbf)	53N (12lbf)	45N (10lbf)	53N (12lbf)	45N (10lbf)
No Cable Tie	22N (5lbf)	7N (1.6lbf)	22N (5lbf)	7N (1.6lbf)	22N (5lbf)	7N (1.6lbf)

Revision level			Revision Record			Drawing			Title		
Drawing	State	Part	ECN 311857			Toll			Solar Clip, #12 screw mount, 3/8in stud mount, cable tie anchor		
01.1	Design Release	-				Approved			Scale 1:1		
Changed	Date (YYYY/MM/DD)					Mann			Global Project Number 24-1381		
Toll	2025/02/10								Format A2		
Approved	Date (YYYY/MM/DD)								Drawing-No 24-1381-001-CSU		
Mann	2025/02/10								Sheet 2/2		



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All drawing revision are stored in CAD PDM database

Units mm

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