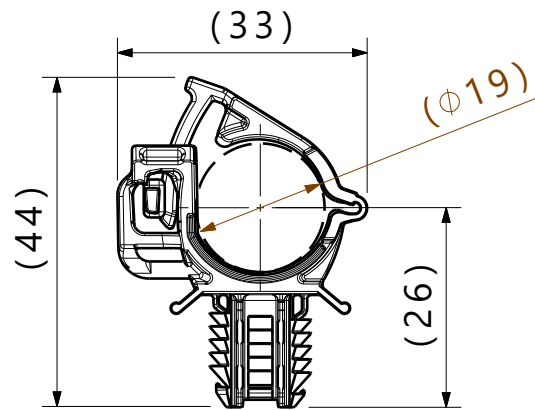
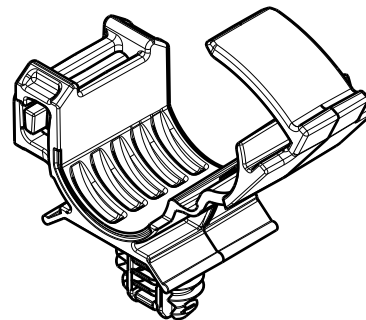


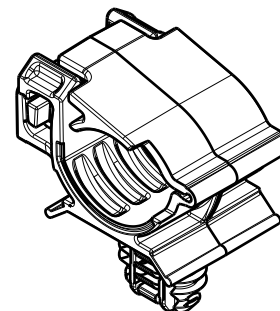
Reference view
Closed minimum bundle diameter



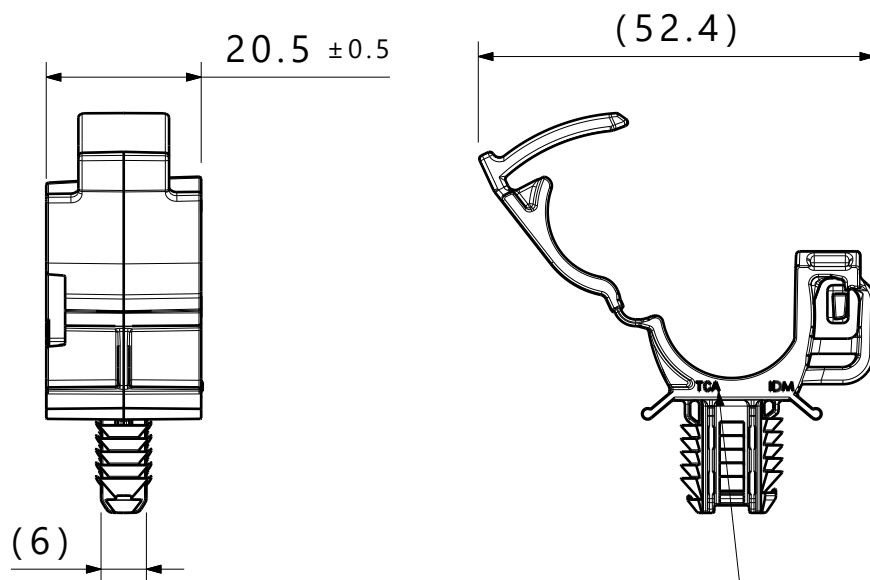
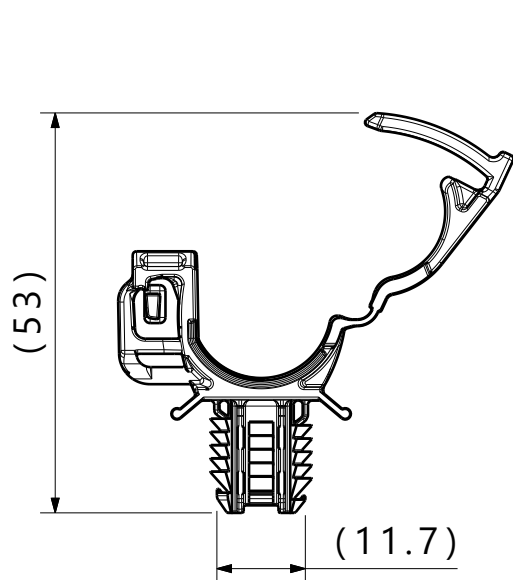
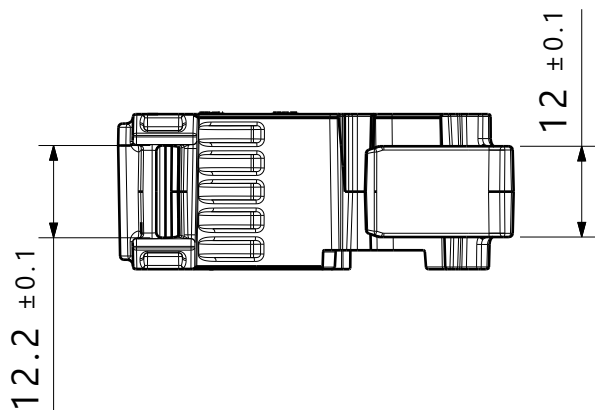
Reference view
Closed maximum bundle diameter



Isometric view
Open



Isometric view
Closed minimum bundle diameter



'TCA', cavity ID, and country of origin
to be shown on this surface

- Reference:
Performance requirements at dry as molded:
1. Fir tree push in force: 45 newtons (10 lbf) max in the applicable nominal hole size and a plate thickness of 1.8mm.
 2. Fir tree pull out force: 110 newtons (25 lbf) min in the applicable nominal hole size and a plate thickness of 1.8mm.

- Notes:
1. Material: See chart
 2. Material color: See chart
 3. Maximum percent regrind permissible: 25%
 4. Max allowable flash to be: 0.5mm
 5. Max allowable mismatch to be: 0.1mm
 6. Sheet metal thickness range: 0.60mm - 6.75mm
 7. Applicable oval hole sizes:
 - A. 6.2 x 12.2mm +/-0.2
 - B. 6.5 x 12.5mm +0.2/-0.4
 - C. 6.5 x 13.0mm +/-0.2
 - D. 7.0 x 12.0mm +/-0.2

Revision Level		
Drawing	State	Part
00.1	Design Release	-
Changed	Date (YYYY/MM/DD)	
Karabon	2025/02/10	
Approved	Date (YYYY/MM/DD)	
Van Hulst	2025/02/10	

Revision Record		
ECN 311893		

All drawing revisions are stored in CAD PDM database

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Global Part Description	
ROC15-19FTOVAL-PA66HIRHSUV-BK	

Material		Color
PA66HIRHSUV		Black

Title Ratchet O-Clamp, 15-19mm, with 6.5x12.5mm oval fir tree		Scale 1:1
		Global Project Number 24-1443
		Format A3

Drawing-No
24-1443-001-CSU