#10–12 Bi-Met 300™ Facade Attachment

Features and Benefits
- Corrosion resistant 300 series stainless
- Bi-Metal fastener design allows for higher drilling capability while maintaining the corrosion resistance properties of stainless.
- Designed with a smaller drill point for superior strength in lighter gauge applications.
- Low profile head provides aesthetic appeal in exposed applications.
- Color matched Vista spray available to match facade panel

Application
- Light gauge metal connections
- Facade panel to steel or aluminum rail
- Architectural trim attachment

Product Selection

<table>
<thead>
<tr>
<th>Material No.</th>
<th>Fastener Length</th>
<th>Load Bearing Length</th>
<th>Description</th>
<th>Carton Wt. (lbs.)</th>
<th>Carton Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1556758</td>
<td>1-1/8&quot;</td>
<td>0.655&quot; 16.7</td>
<td>BMSD-S3-#10x1-1/8-PN-T20W</td>
<td>30</td>
<td>3,000</td>
</tr>
</tbody>
</table>

Metric values are approximate conversions.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent guarantees or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.
**#10–12 Bi-Met 300™ Facade Attachment**

- **Diameter:** #10 (4.9 mm)
- **Threads Per Inch:** 12
- **Head Style:** 15/32" Pan Head (11.9 mm)
- **Drive:** T20W

**Material:** 304SS
**Drill Point:** SD2
**Drill Capacity:** 0.036"–0.060" (0.91 mm–1.52 mm)
**Thread Major Dia:** 0.191" (4.9 mm)
**Thread Minor Dia:** 0.132" (3.4 mm)

**Material Strength**
- **Tensile:** 2798 lbf / 12446 N
- **Shear:** 1572 lbf / 6993 N
- **Torsional:** 92 lbf-in / 10.39 N-m

**Performance Data**

**Pull Out Strength**
- **16 Ga (1.5 mm):** 448 lbf / 1993 N
- **18 Ga (1.2 mm):** 367 lbf / 1632 N
- **20 Ga (0.9 mm):** 258 lbf / 1148 N

**Bearing Shear Steel**
- **18 Ga–18 Ga (1.2 mm–1.2 mm):** 810 lbf / 3603 N
- **20 Ga–20 Ga (0.9 mm–0.9 mm):** 765 lbf / 3403 N
- **22 Ga–22 Ga (0.8 mm–0.8 mm):** 548 lbf / 2438 N

**Pull Out Strength Aluminum**
- **2.5 mm L or T rail (0.98")**: 772 lbf / 3434 N

1. Available strengths listed herein are based on internal laboratory testing (5470-17)
2. Values are based on grade 40 steel members with minimum yield strength of \(F_y=40\) ksi and minimum tensile strength of \(F_u=55\) ksi

**Installation and Application Considerations**

Install fasteners with 0-2000 RPM screw gun equipped with depth sensing nose piece.

**Use of T20W drive bit is required (part # 895280; 25 mm (1") long)**

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