BSP/METRIC Thread Assembly & Interchange

**Composite Fitting**
(ex: 7432-6-1/8)

**Nickel-Plated Brass with Sprint® Thread**
(ex: S6510-6-1/8)

**Nickel-Plated Brass with Spot-Face O-Ring**
(ex: 6512-6-1/8)

**CONVENTIONAL USE**

**NPTF Female**
NPT Female Tapered

**Female Thread**
BSP Tapered
PT-JIS Tapered
BSPT/R

**Female Thread**
BSP Parallel
PF-JIS Parallel
BSPP/G

**Hybrid Use:**
- When metric tube fittings require assembly in alternate NPTF ports.
- Thread sizes 1/8" and 1/4" interchange without concern for torque with Camozzi's patented Sprint and Compact sealing system.
- For 3/8" and 1/2" threads, use caution, and consult hybrid torque specifications below.

"Hybrid" Torque Specifications - (Sprint - BSP Fittings assembled into female NPTF ports)

**Caution:** Mating material and female ports may be too soft for high torque values.
Check material hardness to avoid stripping, galling or cross-threading.
This table is ONLY a guide for "hybrid" situations that require interchanging thread types to accommodate tubing requirements.

<table>
<thead>
<tr>
<th>Thread Size</th>
<th>Minimum Torque Value</th>
<th>Maximum Torque Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nm</td>
<td>Ft-Lbs</td>
</tr>
<tr>
<td>Sprint</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/8&quot; *</td>
<td>1.0</td>
<td>0.7</td>
</tr>
<tr>
<td>1/4&quot; *</td>
<td>4.0</td>
<td>2.9</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>27.0</td>
<td>20.0</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>27.0</td>
<td>20.0</td>
</tr>
</tbody>
</table>

* Hybrid torque values for these thread sizes are equal to the torque values for conventional use (BSP male to BSP female).