Why choose Farrat AWR Acoustic Washers?

Farrat AWR anti-vibration washers are used to isolate bolt-through connections by providing a resilient separation of the bolt and the isolated structure where there is no space available for an isolation sleeve.

Features

› Used in conjunction with acoustic / anti-vibration pads to provide a degree of vibration isolation across bolt-through fixings where they are required for stability and security
› They can be used in conjunction with other Farrat washers to increase acoustic performance by stacking together
› Manufactured for durability, performance and ease of on site installation by vulcanising zinc plated washers to a Chloroprene (Neoprene) acoustic washer
› Good oil, chemical and fire resistance
› Operating temperature range from -10 to +90°C
› Fire rating / building material class: B2

Applications

Farrat AWR can be used in any bolt-through connection that requires acoustic isolation such as:

› Steelwork isolation in building structures
› Machine / plant holding down bolts
› Push / pull acoustic connections in conjunction with AWTH Acoustic Washers
› Facade fixings.

Important Note:

If an acoustic washer is omitted then the anti-vibration pad will be bypassed by the fixing bolt and will therefore offer limited isolation as the vibration can be transmitted through the fixing bolt.

For more information on using AWR Acoustic Washers (including standard details), please see the following Farrat brochure:

› Catalogue - Industrial

Available to download at: www.farrat.com
### Torque Values and Dimensions

Torque values and dimensions quoted refer to usage with dry, unplated metric bolt sizes with coarse threads.

### Important Note

Where an acoustic washer is used that does not have an isolating bush (sleeve) to go around the bolt, the vibration isolation performance of the connection will be compromised. See Farrat Product Datasheets:

- AVW-AWTH-16a & AVW-AWSTC-16a for washers with incorporated bushes
- AVW-ABUM-16a for separate acoustic bushes.

### Table: Normal Applications and Maximum Loading

<table>
<thead>
<tr>
<th>AWR WASHER</th>
<th>BOLT COMPATIBILITY</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>D (mm)</th>
<th>SINGLE WASHER</th>
<th>BOX QTY</th>
<th>WASHER BOX</th>
<th>TORQUE (Nm)</th>
<th>NO. OF TURNS</th>
<th>STATIC DEFLECTION (mm)</th>
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<tbody>
<tr>
<td>AWR08</td>
<td>M8</td>
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<td>8.5</td>
<td>7</td>
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<td>10.5</td>
<td>10</td>
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<td>100</td>
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<td>0.6</td>
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<td>16</td>
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<tr>
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<td>20</td>
<td>1AWR24-020</td>
<td>35</td>
<td>1/3</td>
<td>1.5</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>NUT (locking optional)</th>
<th>BASEPLATE</th>
<th>ISOLATOR</th>
<th>Typical thickness 25mm 4mm compression deflection</th>
</tr>
</thead>
</table>

**Fig 2.1** Dimensions - Plan View

**Fig 2.2** Dimensions - Isometric View

**Fig 2.3** AWR - Baseplate Detail (Steel to Steel)

**Fig 2.4** AWR - Baseplate Detail (Steel to Concrete)

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All information in this datasheet is for guidance only based on current knowledge and may be subject to change and correction.