



## BONDED LOAD VALUES FOR SPIDA FIXINGS

### FASTENER TYPES

Mild Steel and 316L stainless steel

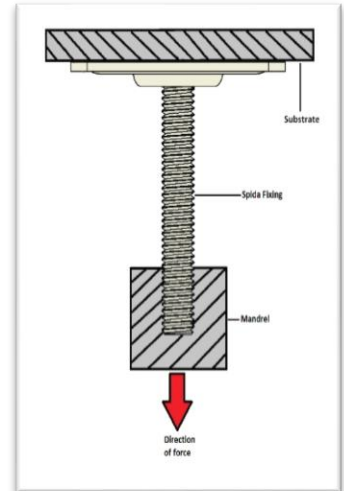
Metric coarse threads

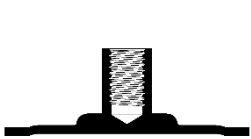
Male and female (studs and standoffs)


Mild steel is treated to ISO Grade 8.8 for studs and grade 8 for standoffs

### THE LOADS IN THE FOLLOWING TABLES ARE BASED ON THIS TEST CRITERIA:

The Spida Fixing is bonded on to a test dolly using a two-part epoxy adhesive. The threaded part is held by a mandrel and a tensile force is then applied. The force is increased until failure of the bond and the maximum loads are quoted below.



| <br>Base diameter (mm) | Maximum tensile load values for Spida mild & stainless steel standoffs<br>Values are in KN (Kilonewtons) |           |           |            |            |
|---|--|-----------|-----------|------------|------------|
|   | Thread size  |           |           |            |            |
|   | <b>M4</b>  | <b>M6</b> | <b>M8</b> | <b>M10</b> | <b>M12</b> |
| <b>18</b>   | 5  | 5         | 5         | N/A        | N/A        |
| <b>23</b>   | N/A  | N/A       | N/A       | 6          | 6          |
| <b>35</b>   | 9  | 9         | 9         | N/A        | N/A        |
| <b>53</b>   | 14   | 14        | 14        | 14         | 14         |

| <br>Base diameter (mm) | Maximum tensile load values for Spida mild & stainless steel studs<br>Values are in KN (Kilonewtons) |           |           |            |            |
|---|--|-----------|-----------|------------|------------|
|   | Thread size  |           |           |            |            |
|   | <b>M4</b>  | <b>M6</b> | <b>M8</b> | <b>M10</b> | <b>M12</b> |
| <b>11</b>   | 2  | 2         | N/A       | N/A        | N/A        |
| <b>18</b>   | 5  | 5         | 5         | N/A        | N/A        |
| <b>35</b>   | 9  | 9         | 9         | N/A        | N/A        |
| <b>53</b>   | 14   | 14        | 14        | 14         | 14         |

Disclaimer: The data provided in this document is advisory only. The responsibility for assessment of the parts as fit-for-purpose falls with the user. Self-certification that the parts meet the user's performance requirements is advised. Adhesion Technologies cannot be held responsible for the misuse or overloading of any fixing product supplied, irrespective of the data provided in this document

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