Avdel®

Selection Guide
Breakstem
Systems
non-structural
Avdel Breakstem Systems - non structural

This guide contains a collection of breakstem rivets suited for a wide range of general engineering applications. For highly stressed or dynamically loaded applications please refer to the Structural Product Guide.

Materials: The material types have been colour coded throughout the guides to help you select the right fastener. The selection of the material depends on the application requirements, e.g. corrosion resistance, strength, temperature, electrical conductivity.

Finishes: Avdel can offer special finishes for your application on all Avdel fasteners. For more information please contact an Avdel Representative.

Key for body material:
- **Aluminium Alloy**
- **Stainless Steel**
- **Steel**
- **Copper**
- **Monel**

START

Is the rear sheet material soft? e.g. wood, plastics etc.

Is a wide grip range essential?

Do you require a higher strength fixing?

Stavex®

Avex®

Do you need a weatherproof / closed end fastener?

Do you require a large blind side bearing area?

Do you require high corrosion resistance / high temperature performance?

Avinox®

Avibulb®
This selection guide is designed to help show you which fasteners may be the most suitable for your application. An Avdel Applications Engineer is available to answer any questions you may have. This guide does not include the full range of Avdel products and for more information on specialist products please see the appropriate brochure or our website www.avdel-global.com. Our design department is able to create variations on all our products to suit your individual needs quickly and efficiently.
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Benefits of assembly

Avdel breakstem fasteners and installation tools are a premier fastening system offering multi-grip performance, consistent and reliable installation and high speed, high performance assembly. Used in all manufacturing industries throughout the world, there is an Avdel breakstem fastener and installation tool to suit virtually every assembly requirement. Key user benefits include:

- Blind assembly
- Multi-grip performance
- Hole filling
- High speed assembly
- Good clamp and vibration resistance
- Consistent high performance
- Positive stem retention
- Extensive product choice

Range Overview

<table>
<thead>
<tr>
<th>Avex®</th>
<th>Multi-grip capability</th>
<th>Good hole fill</th>
<th>Retained stem</th>
<th>Large blind side bearing area</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td>Klamp-Tite® (non-structural)</td>
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<tr>
<td></td>
<td></td>
<td>Split tail formation for thin sheet and low strength materials</td>
<td>Multi-grip capability</td>
<td>Good clamp up</td>
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<td>N Rivet/BD Series</td>
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<td></td>
<td></td>
<td>Low cost standard rivet</td>
<td>Wide range of materials and sizes</td>
<td>Quick installation</td>
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<td>Avdel® SR</td>
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<tr>
<td></td>
<td></td>
<td>Fully sealed fasteners</td>
<td>Good hole fill</td>
<td>Retained stem</td>
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<td></td>
<td></td>
<td></td>
<td>Other fasteners available:</td>
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<tr>
<td></td>
<td>Avdelmate®</td>
<td>Two piece fastener</td>
<td>Extra wide grip range</td>
<td>Large bearing area against both sides of the application</td>
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<tr>
<td></td>
<td>Avinor®</td>
<td>High shear and tensile strength</td>
<td>High corrosion resistance</td>
<td>Retained stem</td>
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<tr>
<td></td>
<td>Bulbex®</td>
<td>Split tail formation for thin sheet and low strength materials</td>
<td>Multi-grip capability</td>
<td>Retained stem</td>
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<td>T-Lok®</td>
<td>‘Peel-type’ tail formation for joining wood to metal</td>
<td>Wide grip range</td>
<td>Retained stem</td>
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<tr>
<td></td>
<td>Earth Tab Rivet</td>
<td>Cost effective earthing point</td>
<td>Paint piercing capability</td>
<td>Twin tabs allow one or two connections</td>
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<tr>
<td></td>
<td>Avex® Splined</td>
<td>Steel splines for electrical continuity in earthing applications</td>
<td>Multi-grip capability</td>
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