

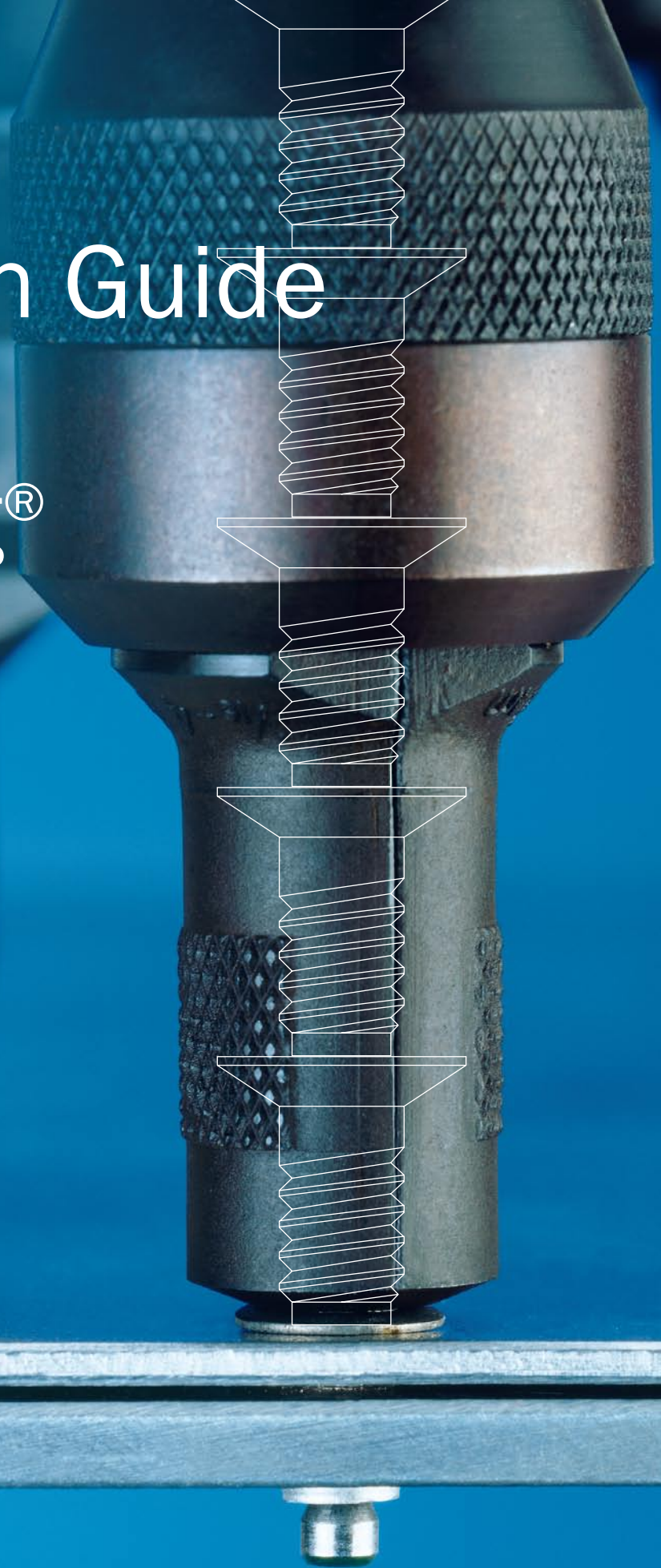


# Selection Guide

Speed

Fastening<sup>®</sup>

Systems



Since 1922



Avdel<sup>®</sup>

Since 1936

iForm<sup>™</sup>

2010

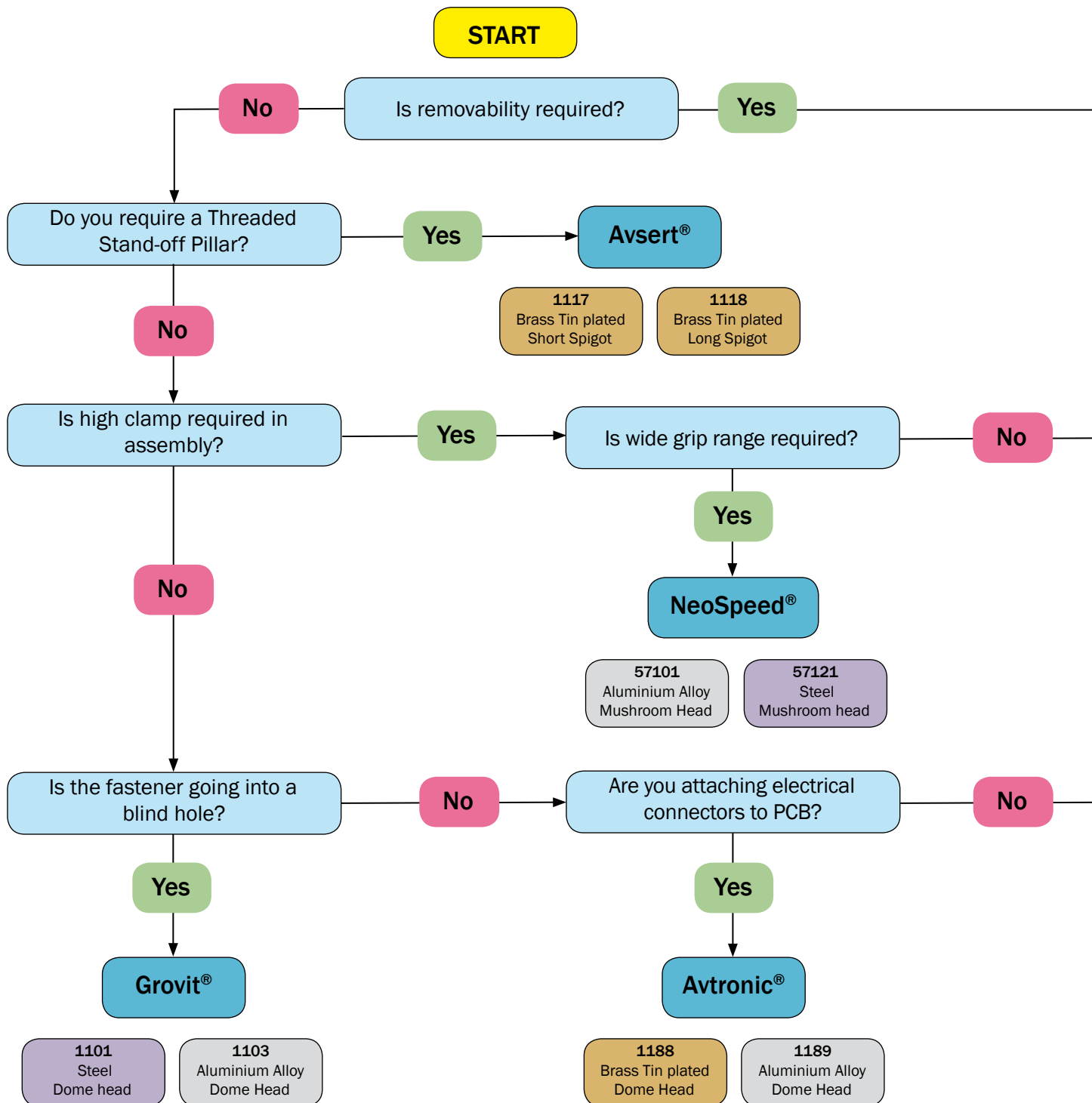


infastech<sup>™</sup>





Our Technology, Your Success

# Avdel Speed Fastening® Systems

Speed Fastening® is a unique system designed for rapid and reliable fastening in medium to high volume applications. With no stems these rivets are greener, faster to place and can reduce your assembly costs.

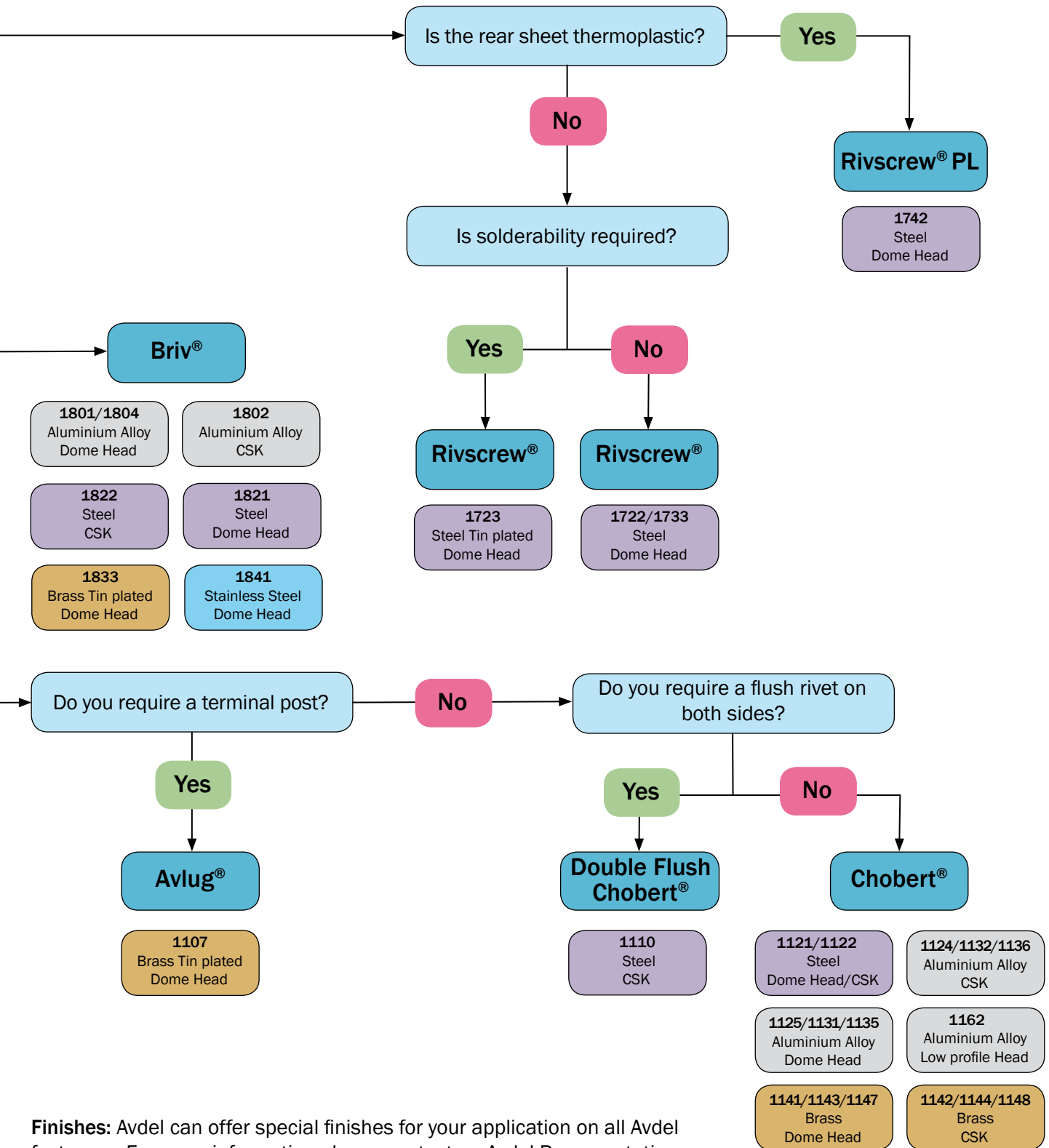


## Key for rivet material

-  Aluminium Alloy
-  Steel
-  Stainless Steel
-  Brass

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.

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](http://www.avdel-global.com). Our design department is able to create variations on all our products to suit your individual needs quickly and efficiently.



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

# Avdel Speed Fastening® Systems

## Benefits of assembly

Avdel speed fastening systems provide rapid and reliable assembly of metals, plastics, composites and passive electronic components. The fasteners are either magazine-fed or fed via a vibrating bowl to a wide choice of installation equipment. At the end of each assembly cycle, the next fastener is automatically delivered to the nose of the tool ready to repeat the assembly process. Speed fastening offers many benefits over conventional mechanical assembly systems, including:

- High speed, blind sided assembly
- Consistent clamp and grip
- Good vibration resistance
- No waste material, environmentally friendly
- Highly controlled assembly
- Short cycle times
- Elimination of over-torquing
- Low placing load shock

## Range Overview

NeoSpeed®



Wide grip range  
High clamp  
Hole filling  
High strength

Briv®



Bulbed tail  
Large headform  
High clamp  
Large footprint

Rivscrew®



Threaded fastener  
Removable with hex key  
and reusable  
Fastens into materials up to  
Vickers hardness 105 Hv5

Rivscrew® PL



Same as Rivscrew® fastener plus:  
Special thread design for a wide  
range of plastics  
Wide grip range

Chobert®



Internal tapered bore  
Controlled clamp  
High shear  
Ideal for soft and brittle  
materials

Double Flush Chobert®



Designed for thin sheet materials  
Flush surface on both sides of  
the joint  
Reduces excess space require-  
ments within the chassis

Grovit®



Designed for blind hole  
applications  
Annular grooves on body  
For use in wood, plastics  
fibreglass and aluminium

Avtronic®



Attaches DIN 41612 connectors  
and other components to PCBs  
Annular grooves on body

Avsert®



Threaded stand-off pillars for PCBs  
Internally threaded bore  
Variety of stand-off heights and  
thread sizes

Avlug®



Solderable terminal posts  
for PCBs  
Rolled/knurled shank

### Other fasteners available:

Miniature Speed Fastening® - for small applications

Hose barb - for attaching fluid connections

Solder resist Speed Fastening® - to resist solder in electronic applications



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Your local Avdel representative is at your disposal should you need to confirm latest information.

08.2011