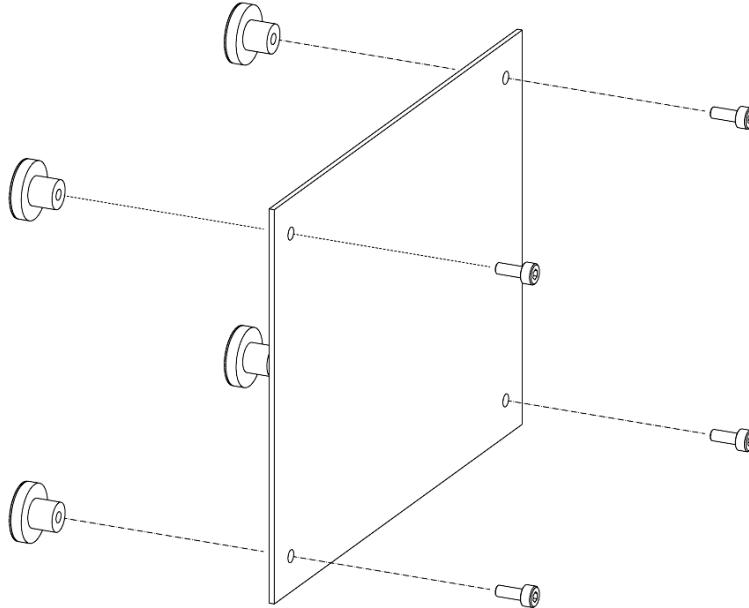


## APPLICATION NOTES FOR UNIVERSAL STAND-OFF

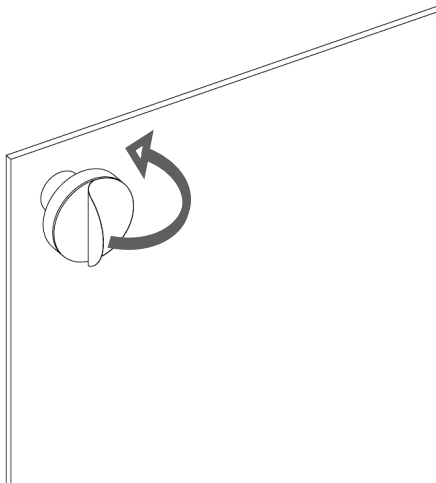
### PRODUCT DESCRIPTION

DY Engineering Universal Stand-off is a self adhering stand-off, incorporating a strong adhesive layer on the back, allowing for an easy mounting of electronic boards in control cabinets – either permanently or as a means of rapid preliminary layout.

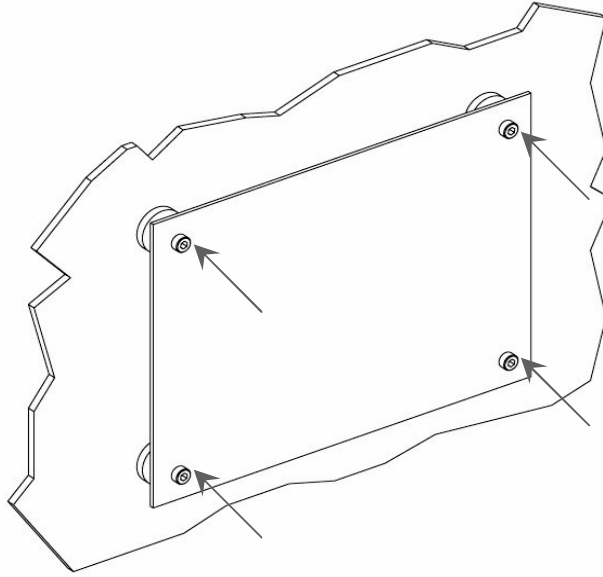
1. Mount the **Universal Stand-offs** onto the board using M3 screws.



2. Prepare the surface onto which the board is to be mounted. Any loose paint or coating should be removed. For best performance, use sanding paper (300 grit) to produce light abrasion on the surface. Clean the surface with Acetone or with alcohol solution and let dry.
3. Peel off the protective backing from the Universal Stand-offs.



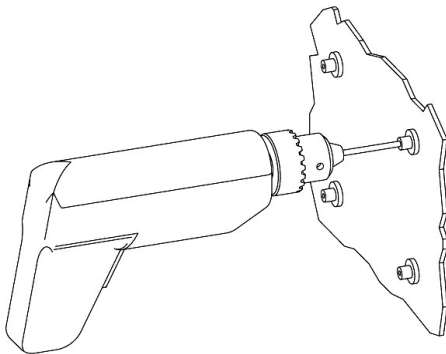
4. Attach the board to the surface, applying force on each stand-off.



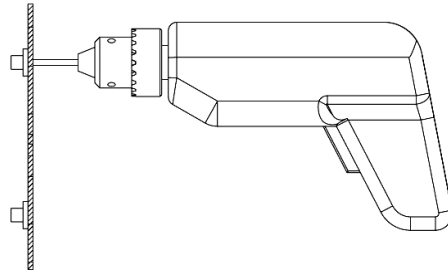
5. It is recommended to remove the board at this point and allow the adhesive to fully cure for 24 hours (at room temperature, about 22°C) before loading it. After removing the board, be sure to firmly press the stand-offs to the surface again.

\* This step is not needed for boards situated horizontally.

6. If using the Universal Stand-off in a high vibration environment, or if it is to be subjected to high impact stresses, it is recommended to secure it to the panel by means of a screw.  
Use a 2.5mm drill bit to drill a through hole in the panel, using the stand-off as a drill guide (a). Expand the hole in the panel to 3.5mm diameter from the opposite side (b).

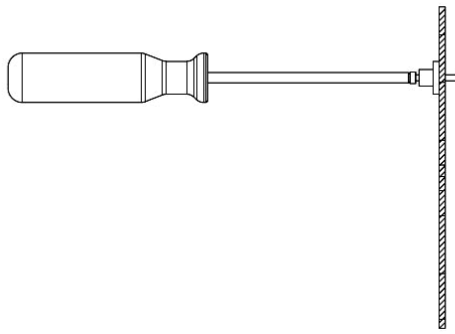


**a**

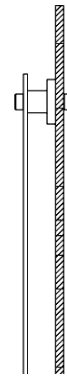


**b**

Screw an M3 screw through the stand-off to form threads at its bottom (c). Use M3 x 5mm screws from both ends to secure the board (d).



c



d

### TECHNICAL CHARACTERISTICS

**Holding capability** – 100g shear load per stand-off for an unlimited period of time. Intermittent load of up to 1kg.

**Adhesion to surfaces** – Excellent adhesion to bare and plated metals including Aluminium, Stainless Steel, Zinc, Anodized Aluminium and other. Excellent adhesion to most painted surfaces.  
**Note:** Not suitable for application on powder coated surfaces!

**Temperature** - Not to be applied in temperatures below 15°C (60°F). Once properly applied, can operate in the range of -30 to +60°C (-22 to 140°F)

**Dimensions** - 10mm high by 16mm diameter

### PRODUCT USE

Many factors beyond our control and uniquely within user's knowledge and control can affect the use and performance of our product in a particular application. Given the variety of factors that can affect the use and performance of our product, the user is solely responsible for the evaluation of our product and determining whether it is fit for a particular purpose and suitable for user's method of application.

### LIMITATION OF LIABILITY

Except where prohibited by law, DY Engineering will not be liable for any loss or damage arising from the DY Engineering product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.