

compact & MIGHTY Reverse Screws



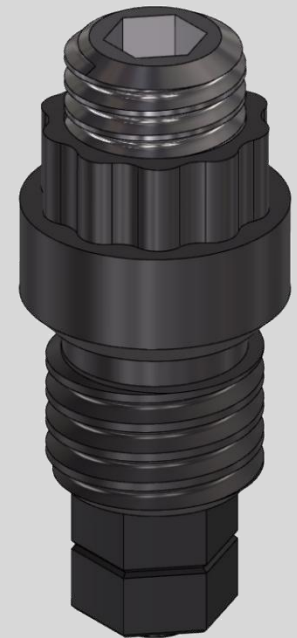
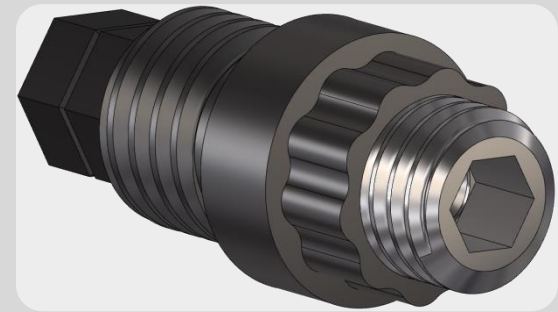
CadCamNI Reverse Screws:

Engineered to a high standard – *CadCamNI has designed, tested and produced a high quality, functional screw, manufactured from high grade stainless steel to a precise standard*

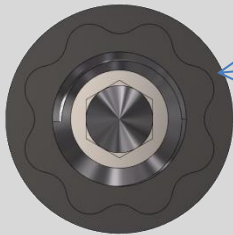
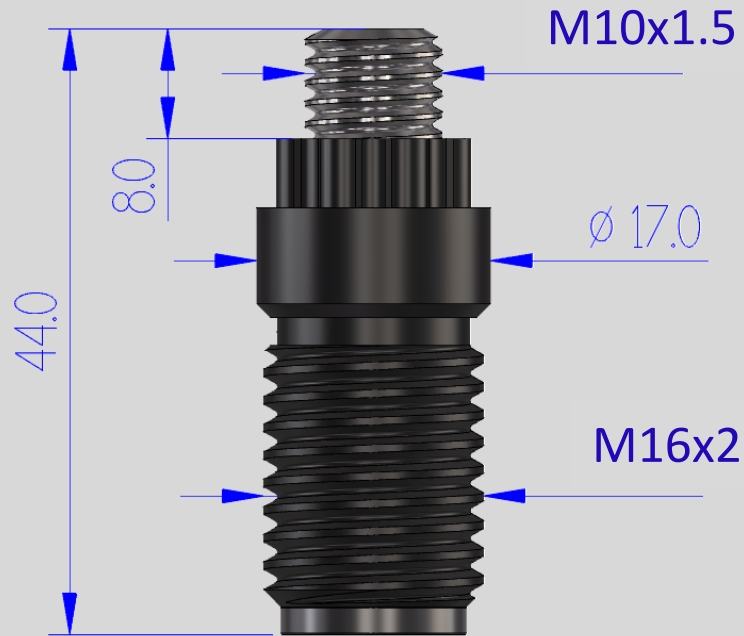
Professional Supply – *CadCamNI screws are supplied in unique trays, an essential means for effortless stock management*

Knowledge & Technology – *training offered on request regarding application of reverse screws & use of complimentary matrix plates. Fixture design service also available on request.*

Tooling – *all tools & equipment available to support successful implementation*

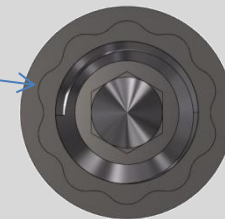
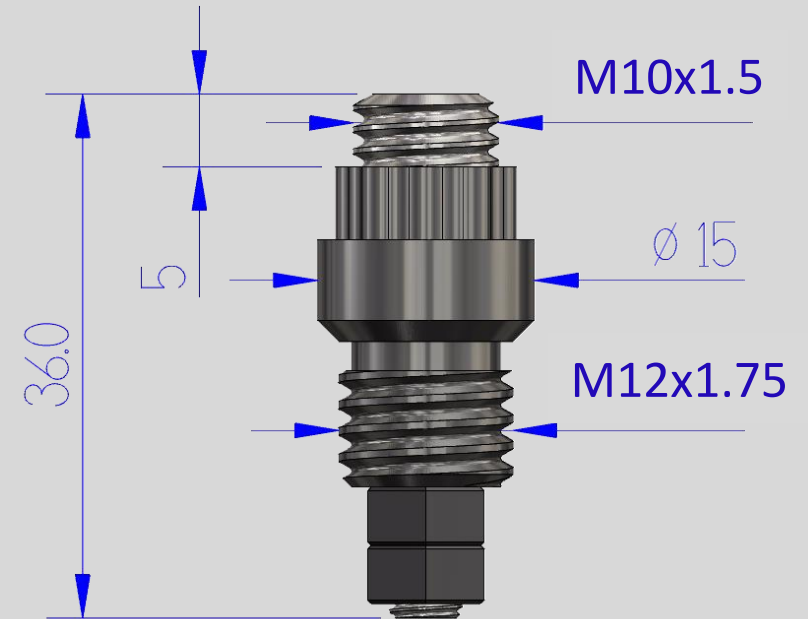


MIGHTY Reverse Screws



Unique anti-slip Star Drive

compact Reverse Screws



Two distinct designs:

MIGHTY – Designed for larger scale components. Dia17 body fits a 25mm matrix grid.

compact – Versatile ++. Available in 2 lengths and 2 thread sizes. Dia15 body fits a 12.5/25mm matrix grid.

Available thread Lengths = 5mm or 8mm

compact Reverse Screws

Benefits of Reverse Screws:

- Eliminate the need for part specific, dedicated fixtures by using with matrix plates
- Compliment tie/tab break-off processes, common in aerospace manufacturing
- Reduce manual intervention - to interrupt a machine process to move/change clamps is labour intensive & can cause errors
- Reduce cycle times - flexibility of strategy allows machining above the screws & around the part with larger diameter cutters
- Reduced material - only a thread is needed in the material & not the bolt head, therefore reverse screws can be positioned closer to the part & closer the edge of the billet
- Flexible fixtures - when screws are not in use, they can be locked down below the surface
- Interchangeable precision - reverse screws are quickly interchangeable with precision location dowel pins
- Flexibility - no need to stock multiple lengths of bolts for different billet thickness. CadCamNI reverse screws fits all billet sizes
- Reduce set-ups - create reverse screw holes at the same time as milling the first side of your component
- Compliment traditional clamping - reverse screws can be added to your fixtures for more secure work holding, eg. they can be used in vacuum fixtures for both accurate part location & to assist with part clamping



MIGHTY Reverse Screws



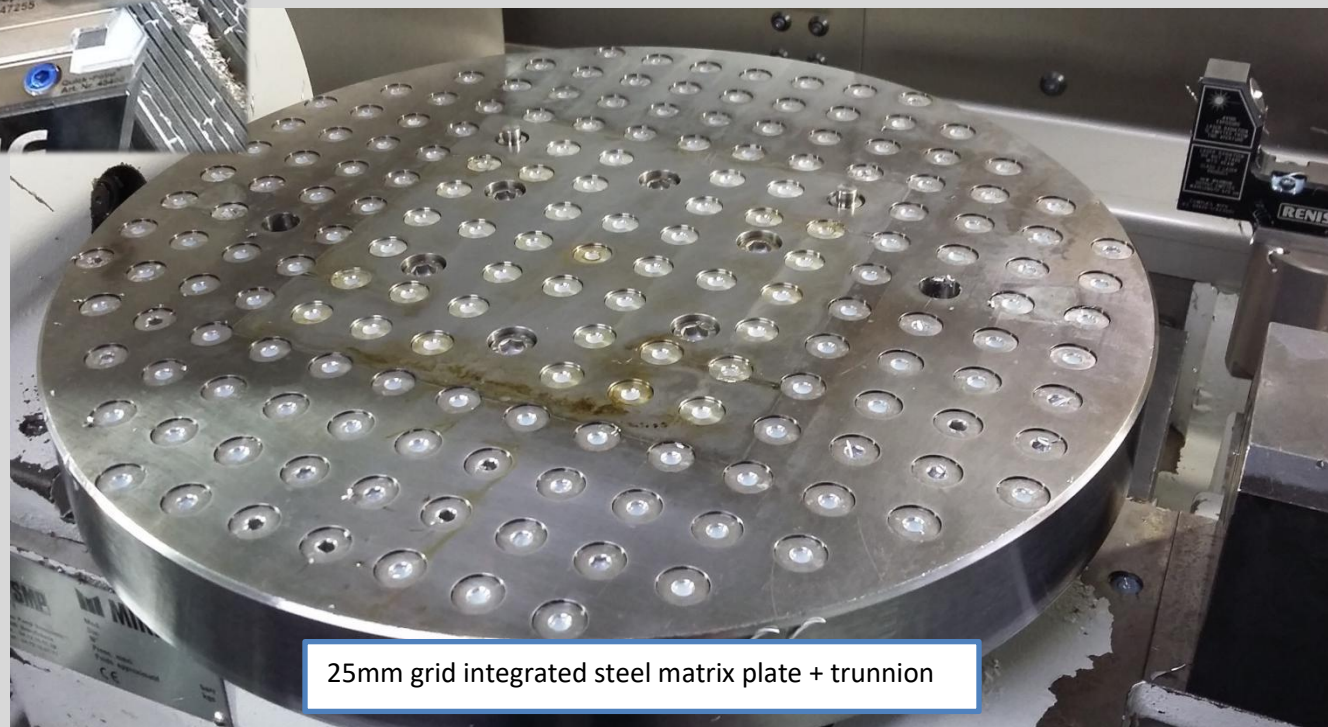
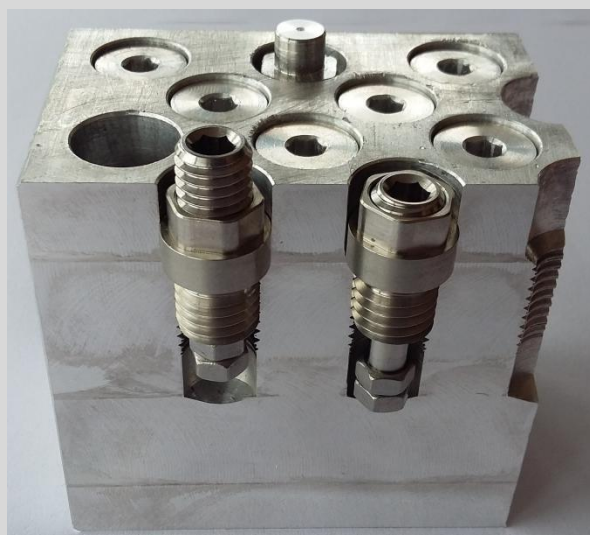
CadCamNI Reverse Screws are supplied in bespoke trays



Examples of matrix plates



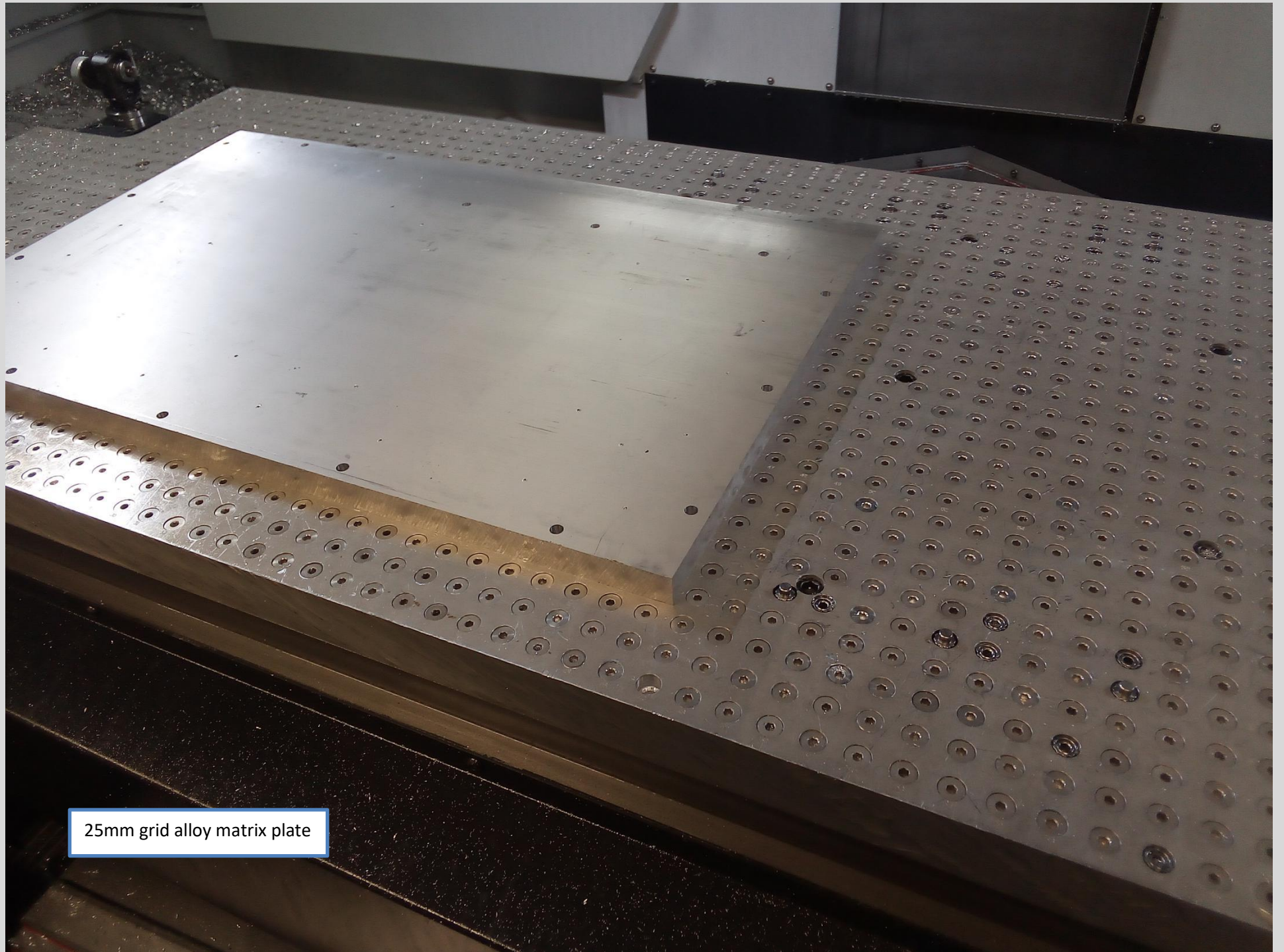
12.5mm grid alloy matrix plate



25mm grid integrated steel matrix plate + trunnion



12.5mm grid alloy matrix plate held in a precision vice - 5-axis machine



25mm grid alloy matrix plate