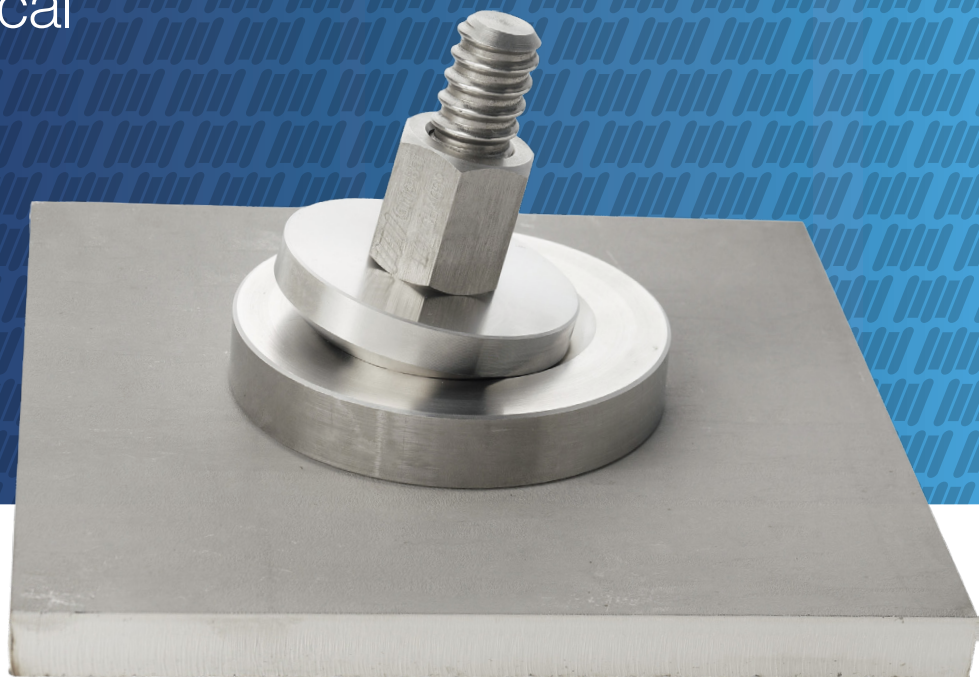


Angular Misalignment Systems

Engineered Seating Solutions
for Geotechnical
Bar Tendons



Stainless UK Angular Misalignment Systems accommodate the angle between a geotechnical bar tendon and its bearing surface. The range includes fixed-angle components manufactured to a specified static installation angle and adjustable seating systems designed to suit project-specific requirements.

Material

- A2 Stainless Steel (304)
- A4 Stainless Steel (316)

Specific Features

- Accommodates tendon-to-bearing-surface misalignment
- Fixed-angle and adjustable configurations available
- Designed to suit project-specific geometry
- Supports correct seating of the anchorage assembly
- Compatible with geotechnical bar tendon systems
- Bespoke sizes and bearing arrangements available

Performance

- Accommodates angular variation at the tendon termination
- Maintains full and stable contact between mating seating surfaces when correctly specified and installed
- Offers fixed-angle or adjustable alignment correction
- Can be integrated with rock netting and geotechnical anchorage assemblies

Typical Applications

- Soil nails and rock bolts
- Ground anchor and tendon systems
- Slope stabilisation works
- Rockfall protection and rock netting
- Retaining structures
- Tunnel and portal works
- Bridge and infrastructure strengthening
- Coastal and marine geotechnical works

Product Range

Hemispherical Seating & Washer

An adjustable seating arrangement in which the hemispherical components accommodate angular misalignment between the tendon and bearing surface.



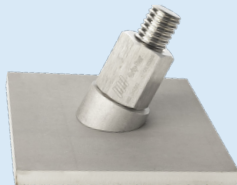
Dished Plate with Hemi Washer

A dished bearing plate combined with a hemispherical washer to accommodate angular variation at the tendon termination.



Taper Washer

Manufactured to provide a predetermined static installation angle where the required misalignment is defined at design stage.



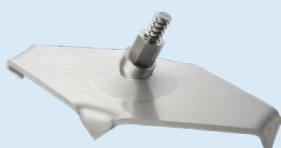
Wedge Boss

A fixed or project-specific angled boss used where a larger angular correction or a substantial bearing interface is required.



Spike Plate

A formed plate used to secure and retain rock netting, available with an angular seating arrangement where required.



Installation Notes

- Confirm the required angle and assembly orientation before manufacture and installation
- Ensure all mating seating surfaces are clean and fully engaged before tightening
- Do not substitute individual components from a designed seating assembly without technical review

Dimensions & Design

Static Angle

Tapered components manufactured to a predetermined installation angle.

Adjustable

Hemispherical seating arrangements accommodate angular variation during installation.

Bespoke Design

Geometry developed to suit tendon size, bearing plate and project requirements.