



# Wind Energy

Although in its infancy relative to other energy sectors, Wind Power is fast becoming a major player for Clyde Fasteners non-standard products with each turbine potentially requiring in excess of 20,000 bolts.

Working with developers, turbine manufacturers and OEM's over the last 10 years, Clyde Fasteners have developed some unique solutions through our programme of innovation support.

Currently offering **12 different grades** of raw material in 22 diameters **up to M56.**



Our range of Anchor Fasteners, Blade-to-Hub bolts and other corrosion resistant fasteners are manufactured to the highest possible quality for the high stress and intense vibration applications of the Wind Power industry.

Diameters range from M12 to M56 by hot forging, with finishes including hot dip galvanising, sherardized, xylon and delta.

Unique Stamping of product is achieved using our micro percussion as well as forging marking systems Traceability is applied through forging; machining; thread rolling; heat treatment & testing .



## Testing capabilities

- Tensile & Wedge Testing
- Proof Load Testing
- Charpy Impact Testing
- Impact Load
- Rockwell & Brinell Hardness Testing
- Thread System 22
- Ultrasonic Inspection
- M.P.I Crack Detection
- P.M.I
- Microstructure Examinations

Call our technical desk on  
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for advice or support.

[WWW.CLYDEFASTENERS.COM](http://WWW.CLYDEFASTENERS.COM)