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Pinnacle Wind Tower Transition Slide (TTS)<sup>™</sup> for wind turbines - PDF description bulletin

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**Pinnacle Wind Tower Transition Slide (TTS)<sup>™</sup> for wind turbines** Patent Pending

The TTS is a stationary Deflection Device designed to bring wind turbine towers into compliance with Federal OSHA General Industry regulations 1910.27(c)(1), 1910.27(c)(7), 1910.27(d)(1)(vi), and Construction time regulations 1926.1053(a)(14), 1926.1053(a)(15) where distances fall below the allowable minimum between fixed ladders and permanent obstructions on the “climbing side”.

The TTS provides a smooth “sliding” transition over and around protruding tower wall flanges (permanent unavoidable obstructions) for climbers as they ascend and descend fixed ladders.

The TTS is constructed of 5052 AL and is held in place by our unique Flange Frame. Our steel Flange Frame provides an easy, safe, and secure installation onto any wind turbine tower wall flange. The TTS is designed to leave no harmful footprint on painted or coated surfaces.

The TTS is also easy to remove and re-install for performing tower flange bolt maintenance.

The TTS provides:

- Complete OSHA compliance in wind turbine towers regarding the minimum allowable distance between fixed ladders and permanent obstructions on the “climbing side” where deflection devices are required.
- Meets all OSHA specifications for deflection plates and devices listed under 1910.27 and 1926.1053 regulations for fixed ladders.
- Engineered Safety Controls – Guides your employees over and around protruding tower wall flanges, nuts, and bolts, all of which create both Human Safety and PPE snag Hazards.
- Risk Management – Proactive vs. Reactive overall costs.
- Peace of mind while ascending and descending ladders at quicker speeds using Climb Assists.
- Stay more focused on the task at hand, 100% tie-off protection, and operating the Climb Assist itself.

With Climb Assists becoming standard equipment in wind turbines today, employees are now ascending and descending ladders much quicker than before which has magnified the danger of the tower flange obstruction. This in part has created an urgency to address permanent obstructions on the climbing side of fixed ladders in wind turbine towers where distances fall below OSHA’s allowable minimum.

OSHA is becoming more aware of the dangers that “permanent unavoidable obstructions” present to climbers on fixed ladders in wind turbine towers, as well as existing OSHA violations where there are no Deflection Devices installed. Climb Assists have brought greater attention to this area as well.

Please call us directly for ordering information or for any other questions you may have.

[www.pinnaclewindusa.com](http://www.pinnaclewindusa.com)