SUPERFLEX SLINGS WITH STEEL FERRULES

OUR DOUBLE SWAGE TECHNOLOGY NOW APPLIED TO SUPERFLEX SLINGS

This new system has the following advantages:

- ➢ The ferrule is 18 percent smaller in diameter than equivalent aluminium ones (Talurit system).
- ➢ The sling is **entirely made of steel**. Thus it can be used in maritime and caustic environments such as found in alumina smelters and similar.
- ➢ The tapered end **neatly covers the wire ends**, eliminating the main hazard in using slings,that is cutting hands on the sharp wire ends protruding from the ferrule.
- ➢ Four inspection holes provide the capability to see the wire ends from any side of the ferrule, as per the requirements of AS 1666.
- ➢ The ferrule is also **tapered at the working end**, and chamfered at the throat end, thus providing a sling that has no sharp edges to catch in tight places.
- ➢ Stainless steel ferrules can be made to the same dimensions when required for special purposes.
- ➢ The system is scalable, so providing the capability for the manufacture of **larger Superflex Slings in future**.
- ➢ The Double Swage Process delivers an **extremely secure termination** as well as a high resultant strength – it is at least as secure as a hand splice, but the mechanical joint can provide a higher UTS than a splice can.
- ➢ It provides a centreline exit from the ferrule, improving mechanical and aesthetic design resolution.

This product is based on conceptual work done by Raymond McLaren in the 1980's. Under Project # 078, Research Engineer Grahame Dunn has developed a coordinated set of ratios to enable these ferrules to be manufactured for cables of any size. The project has been entirely funded by Andromeda and has spanned some 15 years of on and off research effort.

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NATA

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