Quick rational application!

A secure method of assembly!

Today there are two popular methods of applying nuts to metal body parts and components, mechanical systems during press operations or by means of resistance welding as a secondary application. Both processes require access from two sides – mechanical systems are susceptible to vibration and/or corrosion, and resistance welded nuts are hidden with the risk of troublesome repair solutions, in the event of failure, together with high handling costs and space utilization.

A more rational solution is available with TUCKER weld nut systems. Nuts are arc welded by means of the WELDFAST method developed by TUCKER, with obvious advantages:

- Only single sided access necessary
- Flexible automated process planning
- High strength (Class B material)
- Reduced handling costs
A secure method of assembly!

The nuts.
High strength – class 8 material!

Produced by cold forming, the nuts have a special geometry with large outer diameter to enable secure positive bond to the base material.

With a domed radius profile – without sharp edges – the welded assembly eliminates possible damage to cables during other processes.

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**TUCKER Weld Nuts**

- **Thread:** M 6 to M 10
- **Diameter nut:** 14 to 22 mm
- **Thread depth:** 5 to 11 mm
- **Material:** Steel, copper plated/galvanised (stainless steel V 2A)
- **Tensile strength:** M 6 17200 N  M 8 31800 N  M 10 50500 N

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**Fast, safe and secure!**

Tried and tested TUCKER technology assures quality, integrity and high performance, whether using semi-automated systems by operator or fully robotised automated production by weld head.

At a speed of up to 30 nuts per minute and energy consumption of only approximately 0,8 KVA per weld, TUCKER weld nut systems offer a very competitive alternative to traditional resistance welding.

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