

Introduction

The following instructions are provided to familiarize the user with the insulated transmission unit option and its designated use.

IMPORTANT These instructions must be used in conjunction with the TLKS fitting and maintenance instructions (IOM-014), and applied whenever work is carried out on the coupling.

This document should be retained for future reference whenever work is carried out on the coupling.

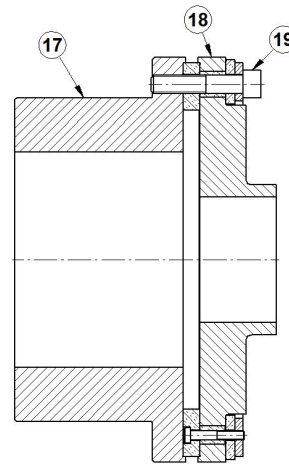
NOTE: Data given on general arrangement drawings takes precedence over these instructions.

Scope of supply

The TLKI insulated coupling assembly comprises an insulated transmission unit plus one conventional hub (non insulated end) and one hub with a spigot that mates against the insulation plate of the transmission unit (refer to Figure 1). The TLKI insulated transmission unit is supplied as a fully-assembled, ready-to-fit unit that has been factory tested for electrical resistance. If electrical insulation is disassembled on site then unit must be retested for electrical resistance after re-assembly and any factory warranty connected to this feature is no longer valid.

FIGURE 1. Hub Assembly

- 17 – Hub (for insulated side only)
- 18 – Insulated transmission unit
- 19 – Hub bolt (for insulated side only)



Installation



Transmission unit must be adequately supported during installation to avoid accidental damage should it slip.

Please refer to the TLKS fitting and maintenance instructions (IOM-014) for installation of the hubs, transmission unit and hub bolt-tightening torques for non insulated end.

ATTENTION The electrical insulation must not be immersed in any liquid.

Additional notes on installation:

- The insulation plate at the end of the transmission unit needs to be handled with special care, particularly when fitting the transmission unit into place between the hubs and locating using the hub spigot.
- Clean off any oily deposits from the hub (ref. 17) and insulated transmission unit (ref. 18) before and after fitting the transmission unit. Deposits of oil, dirt and sludge may conduct current across the insulated interface.
- Always use the longer supplied hub bolts (ref. 19) at the insulated hub end and use the tightening torques stated in table 1.

TABLE 1

Coupling Types	Sizes				
	0300	0500	0750 1050	1500 3350 4250	2000 2600 6010 & Above
Hub Bolt Thread Size	M8	M10	M12	M14	M16
Hub Bolt Tightening Torque (19) [Nm] *	40	80	145	230	350

* Tightening torques stated are for dry unlubricated bolts.



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