

## Overview

The RQ-CS (Relianeering Quick-connect stud set) is important part of the implementation of CM program.

The RQ -CS-x set contains:

- RQ-ST-A-UNF - stud with 1/2"-13 UNC that has to be glued on the Equipment at the CM Point locations.
- RQ-CAP-x - CM Point UID (unique identifier) with stud protection functionality. (x is B - blue, P-purple and O— orange cap's colour.)

This set guarantees CM Point identification and reliable readings in high frequency domain, according ISO 13373-1:2002

## Tools and consumables

1. Cordless Belt Sander Ingersoll Rand G1811 or Cordless grinder, similar to DREMEL with ALUMINUM OXIDE GRINDING STONE 15,9 MM (8193)) or similar
2. Grit belts or Grinding stones
3. Non-Residue cleaner, (No residue cleaner Loctite 7063)
4. Chemical-resistant protective gloves
5. Permanent marker
6. Clean uncontaminated Rags
7. Glue - Loctite 3463

## Safety, Health and Environmental

- Follow your company standards for grinding and work with chemicals.
- Check before to start that is safety to grind and glue stud.
- Read Loctite 3463 Safety Data Sheet
- Get a hot work permit before grinding
- Wear safety glasses and ear plugs
- Wear protective gloves when you work with the glue

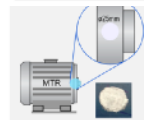
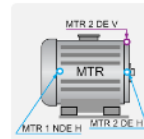
## Preparations

Check the number of studs and glue sticks that you need. A glue stick is enough to mount from 30 to 50 studs.

Print a copy of all models that you need.

Charge a couple of spare batteries for the grinder.

Take the installation packages with studs and CM Points caps (UID).



## RQ-CS-x mounting

Mark the CM Points with the marker, according to the [RESES.NET](http://RESES.NET) model.

The location should be nearest most convenient for data collection.

Grind to the metal surface a spot of 25 mm in diameter. The spot should not have a pain or rust.

Clean the spot and stud surfaces with non-residue cleaner.

Cut a piece from the glue stick and mix by hands till it gets a homogenous dark grey colour.

**NOTE: The time to use the glue, once is mixed is limited.**

Add the RQ-CS-x (protection cap) to the stud.

Put enough amount of glue to the bottom of the stud.

Glue the stud at the CM point and keep a pressure for a 10 sec.

Check that the glue is proper distributed.

Cover the stud with the protection cup after the first reading.