



# K-RZD1

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VAL0167515 / SKC2122182

TDC SENSOR CABLE FOR RGP42DD

ROTOR

DESCRIPTION

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## 1. GENERAL

The cable K-RZD1 is mounted inside the rotor and used in the flat zone holder in the RGP-42CD/DD refiner.

## 2. CONNECTION DRAWING



## 3. MOUNTING INSTRUCTION

- Please read this instruction completely before you start the mounting procedure.
- The connector at the sensor position is completed at delivery, but the connector at the shaft centre must be mounted at the assembly. The connector is of crimp-type, so no soldering tools are needed.

### Pos A: (at the TDC sensor)

- The cable is pulled from the sensor position towards the center of the rotor. Use the mounted steel wire to pull the cable inside the steel tube.
- Pull the cable until the guide of the flexible metal tube hits the nipple in the rotor. Thread the guide to the nipple.

### Pos B: (on the rotor)

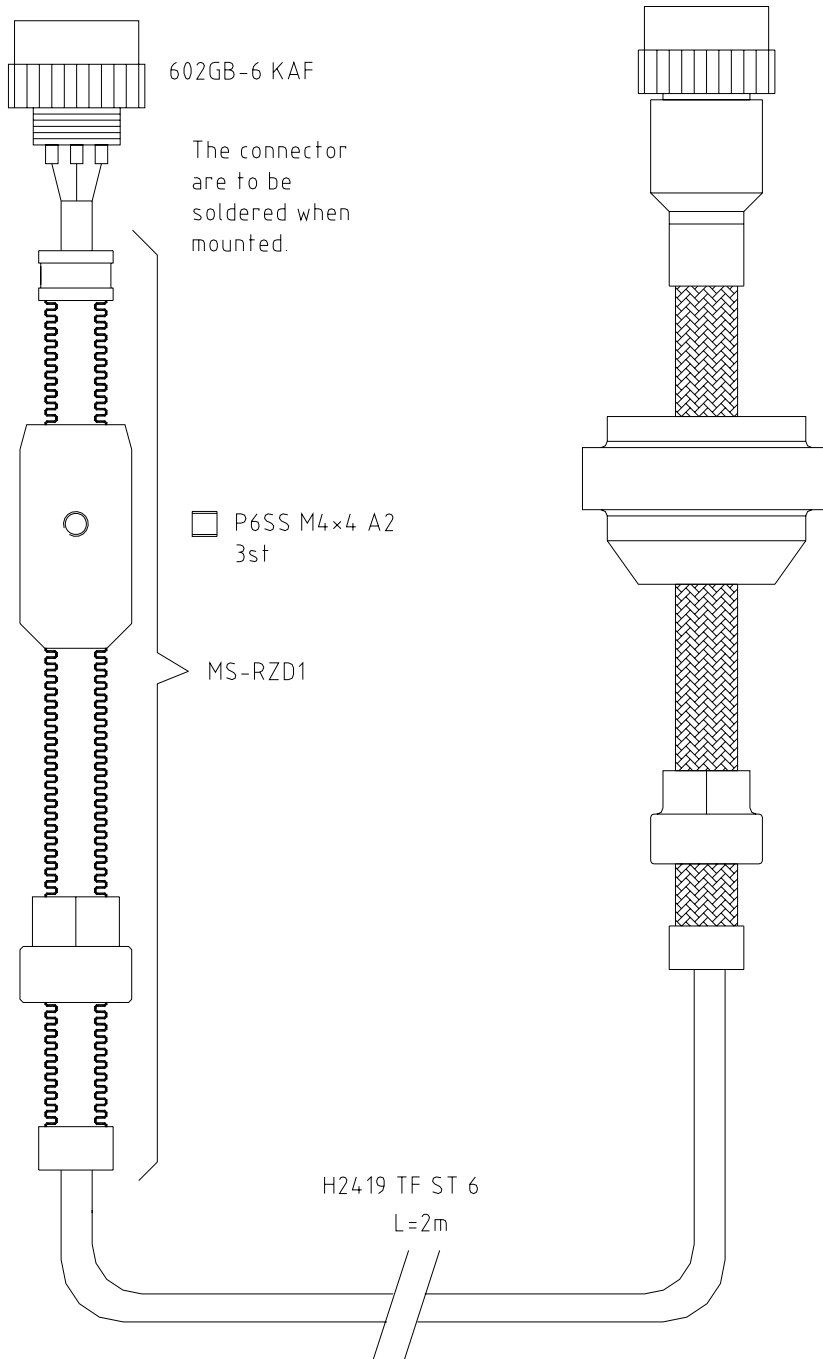
- Mount the flexible metal tube assembly (MS-RZD1) with the guide towards the TDC-sensor side and thread the guide to the nipple in the rotor.

### Pos C: (at the centre of the shaft)

- Cut the cable 22 mm from the edge of the flexible metal tube.
- Fold the steel braiding back over the end-stop of the metal tube and secure temporarily with a piece of tape. Remove some of the plastic foil, move the 6 wires apart and cut the core (grey) in the centre.
- Strip the wires 4 mm with the NO-NIK-CUTTER-0.25 or corresponding tool. Crimp the connector element to the cables with a crimp-tool. Insert the poles to the connector holder using the red side of the inset-tool (the white side is used for removal):  
D = black C = red E = grey B = white F = violet A = green/white
- Move the connector holder on the flexible metal tube and thread it onto the connector. Hold the braiding because it must be mechanically relieved to prevent mechanical stress of the electrical wires.
- Dismount one of the retaining screws and check that the hole is aligned with the groove in the end-stop of the steel tube. Tighten the screws (the screws will also tighten some of the braiding).

- Cut the wiring app. 10 mm from the connector holder, wrap it and secure with epoxy glue.
- Mount the RZ-CFL on the flexible metal tube. This part will relieve the connector from bending forces when rotating.
- Check the connection of the cable with the sensor attached: A-B = 1-3 ohm, A-C >> 100 kohm, D-C = 2-4 ohm, E-C = 105-125 ohm, F-C = 2-4 ohm, C-CHASSIS >> 100kohm.

**4. ASSEMBLY DRAWING**



5. ROTOR DRAWING

