

# RAC-21

## 2-3/4" Five Arm Mid Roller Centralizer

### Description

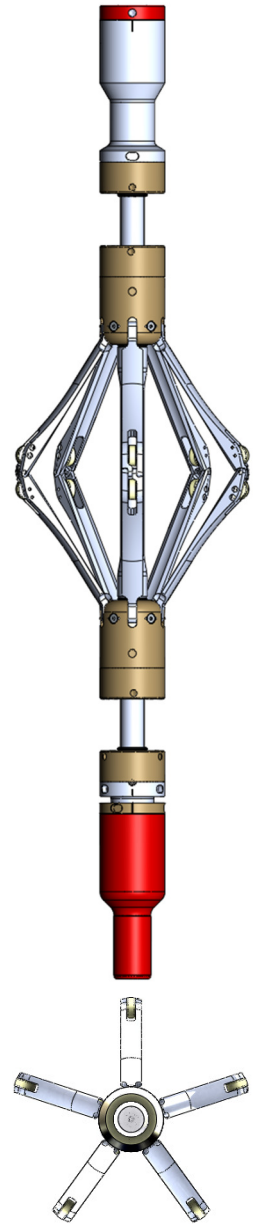
This 5 arm roller centralizer is designed to center logging tools accurately in vertical, deviated, or horizontal wells. This design is specifically adapted for work in horizontal wells. Two TM3 wheels on each arm pair allow the tool to roll easily in deviations up to 90 degrees. The centralizer has five sets of paired arms linked together to provide accurate centering. The radial force is constant throughout the full range of movement.

### Applications

- For accurate centering of logging and production tools.
- Used in vertical, deviated, or horizontal wells.
- Prevent tools from wearing.
- Normal or Harsh environment.

### Features

- Rated for High-temperature and high-pressure environments.
- Electrical feed-through enables the electronic section to communicate with the sonde section
- Five sets of arms with rollers provide a radial force and ultra low friction through the full operating diameter.
- Ability to convert rollers to larger sizes to increase rollers lifespan.
- Five spring loaded arms extend to fit required inner pipe diameters.
- Shims can be added to springs to increase centering force.
- Corrosion resistant alloys are used throughout the tool design.
- Easy to service and maintain.



### Specifications

Minimum Casing ID Small Wheels	6.98 cm (2.75 in)	Force in 5.5" Casing without Shim Force in 5.5" Casing with 1 Shim	100 LBS 130 LBS
Minimum Casing ID Large Wheels	10.16 cm (4.0 in)	Maximum Deviation	90 Degrees
Maximum Casing ID	26.025 cm (10.25 in)	Tool Length (make-up)	85.57cm (33.69in)
Max. Temperature	204°C (400°F)	Tool Length (shipping)	104.92cm (41.31in)
Max. Pressure	137.9 Mpa (20,000 PSI)	Tool Weight	15.87Kg (35Lb)
Arms & shaft material	Stainless steel	Top End Connector	Contact Socket Go Female
Sub material	TM3 & Aluminum Bronze	Bottom End Connector	Contact Pin Go Male

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