

4 Arm Production Roller Centraliser

PRC034 & 038

DEPLOYMENT

Sondex



DESCRIPTION

This compact, four arm, in-line roller centraliser is designed to provide heavy duty support and centring of production logging tools in vertical, deviated and horizontal wells.

The 4-arm design with twin rollers on each arm pair is optimised for high centring forces and ultra low-friction rolling. Sondex Roller Centralisers feature hard wearing, low friction rollers. The arms are linked in pairs to ensure accurate centring, whilst providing an almost even radial force through the full operating diameter. Special features reduce the force required to pull the tool into small tubing.

These centralisers close down to $1\frac{1}{16}$ " and they have the ability to operate in $9\frac{5}{8}$ " casing, with an option of converting to restrict maximum opening for 7" casing.

Electrically these centralisers include a monoconductor passing from the upper end to the lower end of the tool. Allowing inter-string connection with continued telemetry operation. The current end connection options are either Sondex (PRC034) or Go (PRC038).

APPLICATIONS

- Centralisation of Logging Tools in Vertical, Deviated or Horizontal Wells.
- Centralisation of slickline tools.
- Minimise toolstring drag and wear

INTERFACING & TOOL COMBINATIONS

- Simultaneous Operation with other PLT Tools.
- $1\frac{3}{16}$ UN 12 tpi Sondex GO or other Heads

OPTIONS

- Special Heads to Customer Specification
- Multiple feed throughs

SPECIFICATION

Max. Pressure	15,000psi (1.3.4MPa)
Max. Temperature	200 Degree C
Operating Diameter	2 7/8" tubing to 9 5/8" casing [optional restriction to 7"]
Closed Diameter	1 11/16" (43mm)
Length	32.26" (819.4mm)
Weight	12.5 lbs (5.7kg)
Centralising Force	~110lbs (50kg) fully open ~90lbs (40.8kg) when restricted to 7"
Closing Entry force	~238 lbs (108KG) from 9 5/8" casing to 2 7/8" tubing ~308lbs (140kg) from 9 5/8" casing to 2 3/8" tubing
Max Working Pull	14,200 lbs
Electrical continuity	Resistance<0.5ohm
Insulation	>5Megohm
Voltage Rating	1000VDC
Materials	Corrosion Resistant Throughout

* NOTE CENTRALISING FORCE REQUIRED IS VERY DEPENDANT ON TOOLSTRING CONFIGURATION