The Driver® is designed to reduce or eliminate damaging vibrations and converts them into positive forces. This allows for numerous benefits that cater for the demand to extend the reach of deviated and horizontal wells.

The Driver® meets the challenges that these demands place on the drilling process by:

- Providing active downhole traction and torque reduction
- Reducing lateral & axial vibration in the lower drilling assembly
- Maintaining controlled weight on bit
- Reducing compressive buckling in the lower drill string
- Generating downhole tension
- Reducing the risk of Stick-slip through constant motion

Benefits

- Overcomes weight transfer issues, Extends lateral reach
- Downhole traction (tension) eliminates string buckling
- Provides constant WOB and reduces stick-slip
- Rotational friction is reduced significantly
- Robust design, no specialist handling required
- Plug & Play
- Minimum ECD impact

Features

- Next generation of weight transmission technology
- Skewed rollers help pull upper BHA into tension
- Converts 40-60% of collar side force into traction
- Combines downhole traction with torque reduction
- Proprietary mud lubricated elastomeric bearings
- Standard pony drill collar dimensions
- Full bore ID
- One piece low-profile rollers

Technical Information

Collar Size	Hole Size	Tool Length Sh/Sh	Tool ID	Tool Overall OD	Roller Max OD	Body / Bypass Slot OD	Bypass Area	Temp Rating	Forward movement	Standard Connections	Make-up Torque kft.lb
7"	8 1/2" 8 3/4" 12 1/4"	180"	2 1/4"	8 1/4"	8 1/8"	7"	14.1 In^2 25%	-20 °C 150 °C	0.46"/rev	NC 50	36.7

Traction will vary dependent on the angle of the well-bore, i.e. the vertical 'weight' component acting through the Driver®. As side loads increase, the traction increases.

Recommended placement would be 2 x Driver®, with a full length of HWDP between them, placed as close to the MWD as possible. This will provide a BHA traction force of between 1,000 & 5,000lbs

DRIVER

Paradigm Drilling Services Limited
Camiestone Road, Thainstone, Inverurie
Aberdeenshire AB51 5GT, United Kingdom

Tel: +44 1224 725 888
drilling@paradigm.eu
www.paradigm.eu/drilling