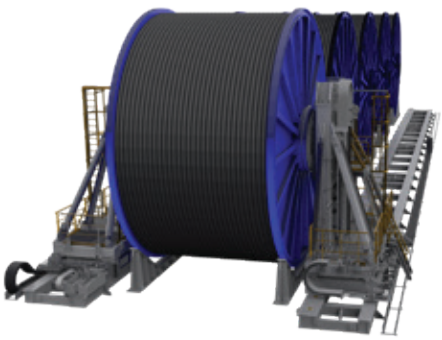
Reel Drive System (RDS)

Your partner for a Lifetime of Lifting



With many years of experience delivering umbilical, flexible flowline, and cable lay systems under the AmClyde Norson brand, NOV has the expertise, skills, and overall product handling experience to ensure you get the right equipment on schedule and within budget.

All of our products are supported by an extensive worldwide aftermarket service network designed for a lifetime of reliability.

NOV has a range of Reel Drive Systems (RDS) for use with standard flexible reel hubs that can be used as standalone units or as part of multi-reel handling systems. Our RDS is efficient and has a modern design with a choice of standard hydraulic drives or optional electric drives. The system is modular with a number of bolted and pinned joints for ease of assembly. The base grillage is easily assembled and is supplied with a number of padeyes for securing the reels during transit.

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Reel Drive System (RDS)

The Reel Drive System (RDS) is designed to deploy and recover product stored on standard reels (typically Ø8.6m up to Ø12.4m) at tensions up to 30 Te and speeds up to 30m/min. RDS is capable of supporting the reel and product weight in addition to any gravitational forces caused by vessel motion during operations. The weight is distributed 60/40 between the drive towers.

The hub is specifically designed to suit most major manufacturers of flexible flowlines, including NOV Flexibles.

The RDS is supplied as a single or multi-reel system and is designed to skid from reel to reel. If required it can be designed to skid with a fully loaded reel.

NOV can provide fully automated multi-reel drive systems to meet your needs and specifications.

Key Features

- Simple, safe, reliable, and robust design for optimum operations
- Quick mobilization and demob – equipment lifted in major component sections
- Plug & play control system reduces set-up time
- Modular design to allow for road transport
- Designed to suit a wide range of reels and capacities
- Standard ranges are 350Te, 450Te, and 500Te
- Automated skidding system can move from one reel storage position to another for spooling on a multi-reel drive system
- Multi reel drive system can store up to five reels
- Suitable for various applications

The RDS typically consists of the following components:

- Hub drive assembly
- Raising/lowering system
- Hub engagement system
- Skidding system (for two or more reels)
- Deck grillage
- Support/installation cradles (to suit individual reels)
- Safety platforms and access

Typical associated equipment is as follows:

- Tensioner(s)
- Horizontal Lay System (HLS)
- Vertical Lay System (VLS)

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