

# Dual Coiled Tubing Reeler System



The Dual Coiled Tubing Reeler System (DCR) is used primarily as a conduit in riserless intervention applications including well remediations, interventions, stimulations, flushes, and plug and abandonments.

The system includes one left-handed (LH) and one right-handed (RH) coiled tubing reel, a remote operator control console, a hydraulic power unit (HPU), an integrated sheave, and interconnecting lines.

A live swivel enables the connection of static external 1502 piping to the piping on the rotating internal drum. The reels can be equipped with steel tubing with outer diameters (OD) of 1.5 in, 1.75 in, 2 in, or 2.375 in.

## Technical Specifications

Reel overall dimensions (L x W x H)	256 in x 82 in x 162 in / 650 cm x 210 cm x 412 cm
HPU overall dimensions (L x W x H)	104 in x 99 in x 102 in / 270 cm x 250 cm x 260 cm
Reel maximum gross weight*	120,000 lb / 54 431 kg
HPU maximum gross weight*	22,046 lb / 10 000 kg

### Reel Technical Specifications

Safe working load at full drum	10,000 lb / 4 536 kg
Safe working load at empty drum	43,000 lb / 19 505 kg
Integrated sheave diameter	84 in / 214 cm

### Reel Utility Service Requirements

Hydraulic fluid	Mineral oil based ISO 46
Minimum flow requirement (each reeler)	94 gal/min   356 L/min
Nominal operating pressure	3,100 psi / 214 bar

### HPU Technical Specifications (Class 1, Division 2)

Fluid type	Mineral oil based ISO 46
Output	134 gal/min / 507 L/min 3,300 psi / 228 bar MAWP
Electrical requirements	460 V AC, 60 Hz, 3-phase, 250 A

### Available Coil Size and Maximum Length

1.5 in OD coil at 10,000 psi / 689.5 bar	13,100 ft / 4 000 m
1.75 in OD coil at 10,000 psi / 689.5 bar	11,500 ft / 3 505.2 m
1.75 in OD coil at 15,000 psi / 1 034.2 bar	11,500 ft / 3 505.2 m
2 in OD coil at 10,000 psi / 689.5 bar	8,800 ft / 2 686.2 m
2 in OD coil at 15,000 psi / 1 034.2 bar	8,800 ft / 2 686.2 m
2.375 in OD coil at 10,000 psi / 689.5 bar	6,000 ft / 2 011.7 m
2.375 in OD coil at 15,000 psi / 1 034.2 bar	6,000 ft / 2 011.7 m

### Certifications

Reeler Transportation (2x)	DNV Standard for Certification No. 2.7-3 Portable Offshore Units (R45)
HPU Transportation	DNV Standard for Certification No. 2.7-3 Portable Offshore Units (R45)
Lifting Slings (3x)	DNV Standard for Certification No. 2.7-3 Portable Offshore Containers

### Complete System

Component	Quantity
Dual coiled tubing reels	2
Work platforms	4
Hydraulic power unit	1
Remote control stand	1
Hydraulic interconnect hoses	18 (assorted lengths and internal diameters)
Tie-down plates	16
Certified lifting slings	3

\* Weight must be verified to be less than the maximum gross weight before shipping.