

## RIG 54

# 2 PAIR HYD. POWERED QUADRANT

Our 2 pair Powered Quadrant, Rig 54, is designed to be used for the purpose of cable transpooling operations i.e Cable Manufacturing Facility to Carousel/Vessel Cable Tanks and can be used within such industries as the power industry and telecommunication industry. It is powered by a hydraulic power pack and controlled with a remote ergonomically designed control desk. It is of robust design and is suitable to be operated in the most hazardous environments the industry has to offer. The unit comprises of an LCE & HPU mounted into Steel Frames, 2x Quadrant Arms & subsequent frames complete with a certified Lifting Bridal suitable for suspension.



### KEY FEATURES

- Maximum Dynamic Pull tension 1.5Te\*
- Max speed in excess of 1.5m/s
- Suitable for cable sizes up to 140mm
- Self-contained control desk
- Digital readouts for cable tension, speed, distance
- Powered by HPU (Integrated)
- Modular Design for ease of Transportation
- Wheel pairs will automatically close and can hold the product for over 1 hour in emergency or power loss situations

\*Please note that the maximum tension achievable will depend upon the type and size of cable due to friction factor limitations, and the general operational conditions.

### SPECIFICATIONS – LCE

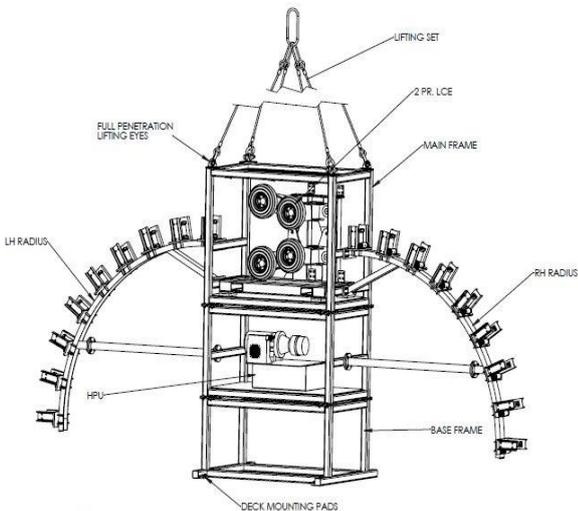
Maximum Dynamic Pull:	1.5Te
Maximum Speed (All Wheels in Drive):	1.5 m/s (1800m/hr)
Wheel Motor Set Pressure:	240bar
Set Pinch Pressure:	170bar
Set Pinch Relief:	220bar
Accumulator Pre-Charge Pressure	90bar
Wheel Tire Pressure:	80PSI

### SPECIFICATIONS – HPU

Electric Motor: 11kW, 3Ph, 415v, 50Hz, 22A

Main Pump Max Flow:	42lpm @ 1450rpm
Main Pump Max Cont. Pressure:	280bar
Main Pump Max Intmt. Pressure:	350bar
Main Pump Max Set Pressure:	220bar
Main Pump Safety Relief Valve - Set:	250bar
Main Pump Safety Relief Valve - Max:	350bar

Aux Pump Max Flow:	8.7lpm @ 1450rpm
Aux Pump Continuous Pressure:	250bar
Aux Pump Set Pressure :	170bar
Suction Strainer :	90µm
Return Filter :	6µm
Oil Type:	ISO 32 / ISO 46



DS-R54-IHC-001



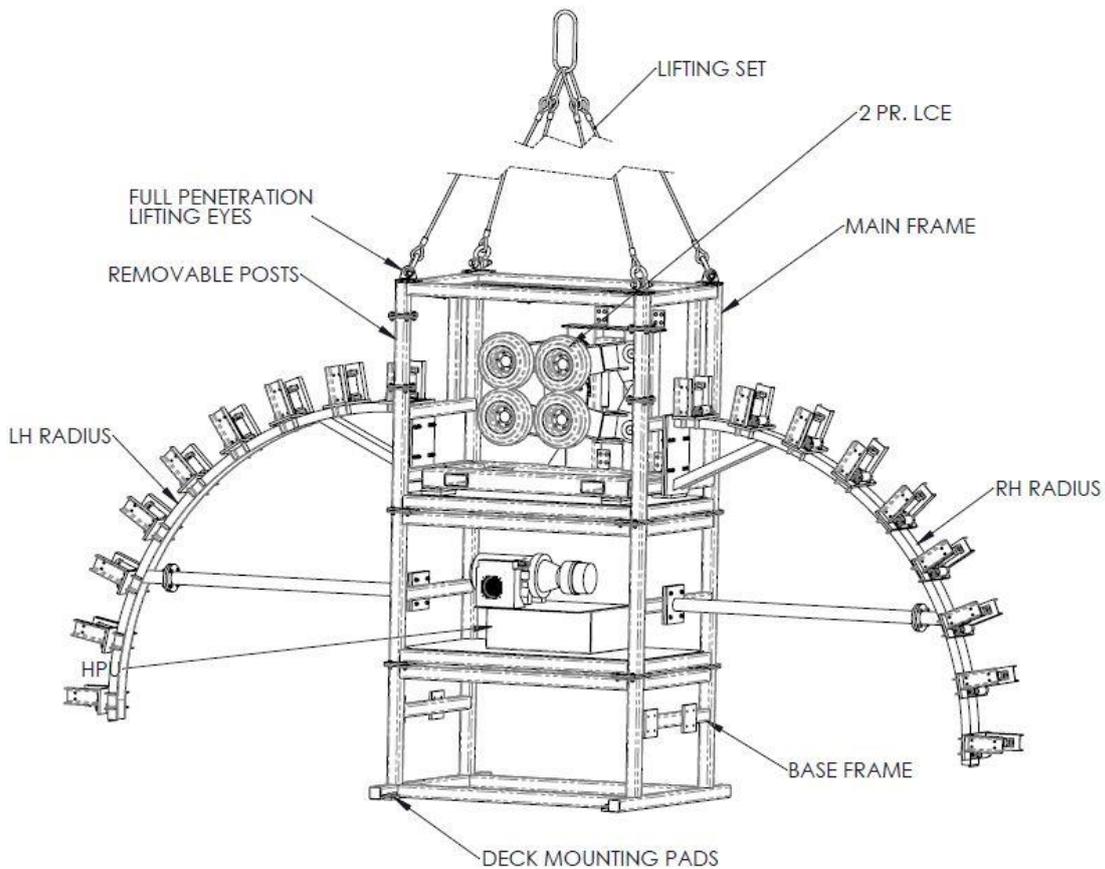
**THE TECHNOLOGY  
INNOVATOR.**

**ROYAL IHC LTD.**  
Neptune Energy Park  
Fisher Street, Walker  
Newcastle upon Tyne, NE6 4LY

T 0191 263 7272  
www.royalihc.com

## RIG 54

# 2 PAIR HYD. POWERED QUADRANT



### DIMENSIONS & WEIGHTS – ASSEMBLED QUADRANT

Overall Height: (Crane Hook to Base)	7.7m
Overall Height: (Excluding Lifting Slings)	7.7m
Overall Width:	2.2m
Overall Length:	9.4m
Total Weight:	5.5Te
Sections for Transport:	10pcs

### DIMENSIONS & WEIGHTS – LCE SECTION

Height:	1.82m
Width:	1.40m
Length:	2.20m
Weight:	2.1Te

### DIMENSIONS & WEIGHTS – HPU SECTION

Height:	1.23m
Width:	1.40m
Length:	2.20m
Weight:	1.25Te

### DIMENSIONS & WEIGHTS – MID FRAME

Height:	0.63m
Width:	1.40m
Length:	2.20m
Weight:	0.38Te

### DIMENSIONS & WEIGHTS – BASE STAND

Height:	1.10m
Width:	1.40m
Length:	2.20m
Weight:	0.52Te

### DIMENSIONS & WEIGHTS – RADIUS QUADRANT ‘ARMS’

Radius:	2.5m
Weight:	0.62Te (ea)
Roller Material:	Nylon/Nylatron

DS-R54-IHC-001



**THE TECHNOLOGY  
INNOVATOR.**

**ROYAL IHC LTD.**  
Neptune Energy Park  
Fisher Street, Walker  
Newcastle upon Tyne, NE6 4LY

T 0191 263 7272  
www.royalihc.com