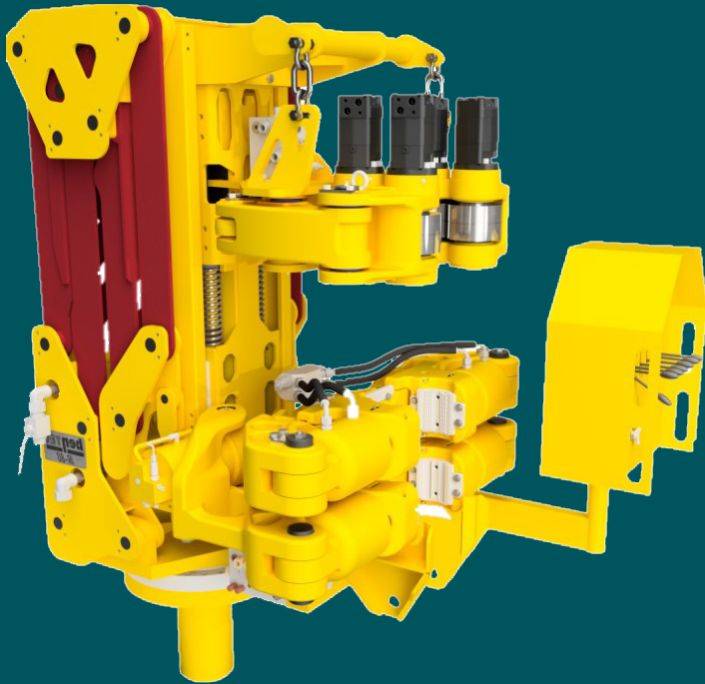
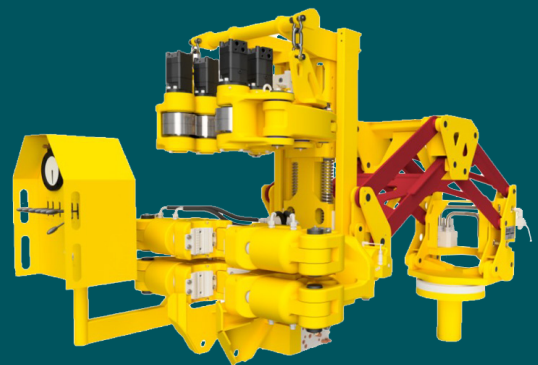


IRON ROUGHNECK

IR-80



**BENTEC Iron Roughneck for
Safe and Efficient Pipe Handling**



BENTEC history and technical integration

The New BENTEC Hydraulic Iron Roughneck IR-80 is designed and manufactured to maximise efficiency of Pipe Handling operations.

The compact dimensions of this new Iron Roughneck ensure it is easy to install into both existing and new Rigs.

It has been designed and developed specifically to suit and operate on more compact Rig Floors

The design also allows for simple interchangeability with competitors' Iron Roughnecks.

The primary function of the Iron Roughneck is to Make-up and Break-out Tool Joint Connections.

The IR plays a pivotal role in modern Drilling Operations by mechanizing the processes, improving efficiency, enhancing safety and conforms to various sizes of Drill Pipe Tool-Joints.

BENTEC's Iron Roughnecks comply with the latest European CE design, ATEX and international API standards to maintain the highest level of industry safety

Designed with Expertise

Proven and proprietary technology from a company backed by more than 130 years of Drilling Rig and Oilfield expertise and over 40 years of design and manufacturing, to support all your operations.

Key Benefits

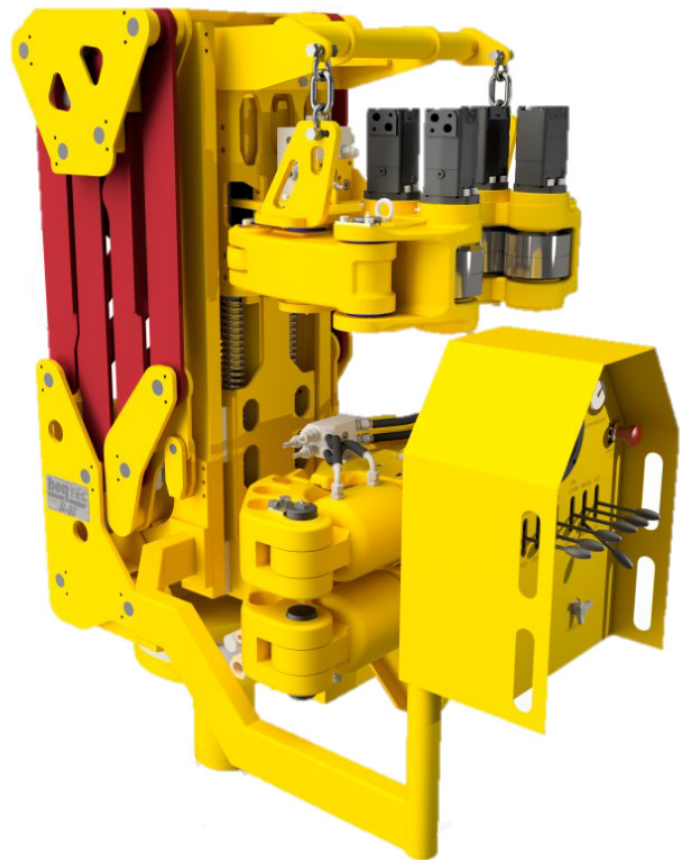
- ✓ Interchangeable with competitors' Iron Roughnecks
- ✓ Cycle time down to 40 seconds per cycle
- ✓ Safety Improvements
- ✓ Ease of Installation
- ✓ Fully compatible with other Market Solutions
- ✓ Field-proven design
- ✓ Reduces Non-Productive Time (NPT)
- ✓ Component parts easily exchanged
- ✓ CE & ATEX conformity

Iron Roughneck

IR-80

Technical Data / Specifications

Torque Make-up	60,000 ft-lbs / 81,350 Nm
Torque Break-out	80,000 ft-lbs / 108,465 Nm
Max. Spinner Speed	100 rpm (5" DP)
Horizontal Travel	5 ft / 1,524 mm
Min. Connection Height	24" / 610 mm
Max. Connection Height	63" / 1,600 mm
Dimensions	Length: 55-1/8" / 1,400 mm Width: 53-1/8" / 1,350 mm Height: 76-3/4" / 1,950 mm
Weight	8,267lbs / 3,750 kg
Min. Pipe Dia.	2-7/8" / 73 mm
Max. Pipe Dia.	8-1/2" / 216 mm
Min. Hyd Pressure	2,500 psi / 172 bar
Max. Hyd Pressure	3,000 psi / 207 bar
Min. Volume/Flow	28 gpm / 106 ℓ/min
Max. Volume/Flow	40 gpm / 151 ℓ/min
Cycle Time Make-up	<=40 sec
Pedestal Rotation L/R	>=90 / >=90
Ambient Temp.	-4°F to 131°F / -20°C to +55°C
Ex / Haz. Zone	IP-Code 15



Suitable For

- Compact Rig Floors
- Land or Offshore Rigs
- Arctic or desert environment
- Compatible with API

Performance Options

- HPU & Hyd Hoses
- Central Lubrication System
- Transport Skid
- Spare Parts Packages

