

IRX-120

Built on legacy. Engineered for what's next.



Today's rigorous drilling operations demand robust and reliable drill pipe and high torque premium connections. Built upon nearly 50 years of pioneering iron roughneck innovations, NOV's new IRX-120 offers a small footprint while bringing a big impact to your rig.

The IRX-120's simple, modular design combines superior strength, precision, and flexibility for safe, consistent, and efficient tubular connection making and breaking. Reconfiguring or upgrading your iron roughneck doesn't have to break the budget. Our new model employs a much more practical approach to fulfilling conventional operations or complementing your automation path.

The torque wrench provides three-point contact and unsurpassed 60° of cycle rotation for faster makeup and breakout connections. The spin wrench features the highest torque and broadest tubular range on the market. With added torque at the spin wrench, there will be no compromise or delay spinning in a quad stand of 6⁵/₈-in. drill pipe. This high torque output ensures you save time per connection. Our track-mounted design delivers unrivaled precision and consistency in positioning.

The IRX-120's compact footprint and superior durability ease installation and serviceability, lowering your total cost of ownership. Seamless integration of rig control systems enables optimized, automated operations to improve crew safety and maximize performance.

We designed the first iron roughneck and have now set the standard. Trust the IRX-120's proven power and reliability for all your rigs.

Features

- **Torque Wrench**
 - Three-point contact on tubulars
 - 100,000 ft-lb makeup and 120,000 ft-lbs. breakout torque
 - 60° torque rotation
 - Tool Joint OD Range: 4" - 9-3/4"
- **Universal Spin Wrench**
 - Spin Torque (ft-lbs.)
 - » Max Torque on 2-7/8" OD: 2,100
 - » Max Torque on 5-1/2" OD: 4,050
 - » Max Torque on 10" OD: 7,350
 - Spin Speed (rpm)
 - » Max Speed on 2-7/8" OD: 194
 - » Max Speed on 5-1/2" OD: 101
 - » Max Speed on 10" OD: 56
 - Pipe Body OD Range: 2-7/8" - 10"
 - 'Hydraulic Requirements'
 - » Min: 50 GPM @ 2,500 psi
 - » Max: 60 GPM @ 3,000 psi
- **Track-mounted**
- **Manual, remote, and automated configurations available**
- **Automation ready removes personnel from the drill floor**
- **Utilize standard tong dies**

Benefits

- Lower cost of ownership
- Improves safety
- Easy to maintain
- Minimal footprint