

Iron Roughneck HV-IR120

- > Handles API and premium connections and other extended length threaded tool joints
- > Standard hydraulic pilot operated controls (electrical version available)
- > Stepping guide
- > High torque spinner
- > ±120° torque rotation
- > Three jaw torqueing system
- > Spinning wrench thread compensation



Iron Roughneck HV-IR120

Technical specifications

Herrenknecht Vertical introduces the newest generation of Iron Roughneck, developed and engineered for the toughest and most demanding working conditions, onshore or offshore: HV-IR120. The HV-IR120 Iron Roughneck takes on the toughest job on a rig - making up and breaking out drill pipe, drill collars

and BHAs - and still has more than enough torque to make and break drill bits. The HV-IR120 is able to deliver quick and efficient connections, due to its very innovative ±120° torque up/breaking out sequence.

IRON ROLIGHNECK HV-IR120

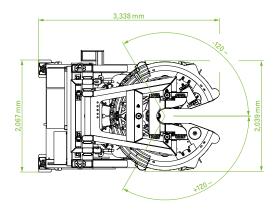
IRON ROUGHNECK HV-IR120		
Model	HV-IR120	
> Torque make-up:	120,000 Nm (100,000 ft-lb)	_
> Torque break-out:	160,000Nm (120,000ft-lb)	
Torque rotation angle:	± 120°	
> Tubular range:	2 % " - 10 "	
> Spinner torque:	4,300 Nm (3,200 ft-lb)	
> Horizontal travel:	Frame mounted	
Vertical travel – tongs:	550 mm	
Vertical travel – spinner:	1,550 mm	
> Minimum connection height:	735mm (29")	
› Ambient temperature range:	-20°C to +40°C	
> Bit breaking capability:	Yes	
> Weight (without frame):	4,400 kg (9,700 lbs)	
> Height stowed:	2,846mm (112")	
> Depth:	3,236mm (127")	
> Width:	2,067 mm (81")	
> Max. flow:	250 l/min	
> Max. pressure:	350 bar (5,000 psi)	

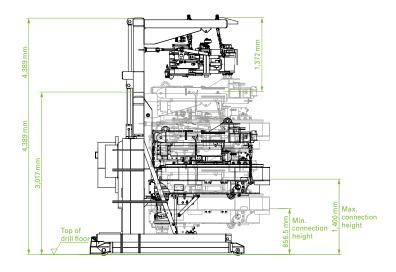






Design specifications*





*Supporting frame for illustration only



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