

EDM Rod Feeder



EDM is continuously working to improve safety and productivity within the drilling industry. One of the major areas of concern for our clients has been the handling of diamond drill pipe to and from the drill string with the need for less manual handling while still maintaining productivity.

With that in mind we present the EDM ROD FEEDER System an independent system that:

- Can work with almost any machine with either Chuck or Top drive and a main winch

- Will safely pull/run rods in both 6 & 9 m Lengths

- Works on all mast angles from 45° - 90°

- Will trip rods at equal or better speeds than current manual methods

- Reduces manual handling of drill pipe by 90% (**Optional: 100% reduction in manual handling**)

- Requires little to no modification to the drill rig

- Can be supplied with or mounted to a standard Jack Up Rod Platform (Sloop)

Technical Specifications

Rod Feeder

Handles all common Diamond pipe B+, N+, H+ & P series casing
Handles Rod in both 6m and 9m lengths
Feeder arm Rotates 180° for transport
Arm hydraulically adjustable in all 3 dimensions
Haul Plug Spinner consistently Torques Plug to 400 Nm
Hydraulically Powered from Rig auxiliary Hydraulics
20 l/min @ 2.500 psi
Uses all Sauer Danfoss hydraulic components
Various control options available :
Fixed Control Arm
Portable Tripod (5 m Range)
Remote Control

Rod Platform

Jack up platform with 15T load Capacity
Self loading on to truck or track carrier
Independent hydraulic system
Mounted on low profile tracks for positioning behind drill on small drill pads
Optional crane for loading/unloading rods or positioning rods on platform.
Crane Capacity 350 Kg @ 4,2 m

Plug Spinner

Handheld spinner for torquing and removing Haul Plug from stored rods.

Plug Safety

EDM Haul Plug Adaptors are designed to self align with the drill rods meaning no difficulties starting threads.

Load Safety

EDM Rod Sloops can be supplied with a crane for hands free loading/unloading and safe handling of rods and tubes
Capacity 250 kg @ 4,2 m (550 lb @ 14 ft)

EDM Rod Platform Capacity

B+	2.500 m (8.200 ft)
N+	1.950 m (6.400 ft)
H+	1.280 m (4.200 ft)
HWT	849 m (2.780 ft)

Advantages

Eliminates accidents and injuries associated with manually handling rods to/from the mast to/from rod racks or rod platforms.
Consistently torques haul plug to rods both removing the need for manual lifting and spinning of the haul plug and ensuring the joint is capable of holding the weight of the drill string
Reduces operator fatigue
No loss in productivity and will increase productivity in extreme environments
Requires no modifications to the drill rig
Quick and easy alignment with the drill rig as arm can be moved in all 3 dimensions
Allows quick rig moves as rods and the rod feeder can be moved together
Able to be used behind all Drills with a Main Winch (Not rig specific)
Easy to operate and can be used with only one offsider if necessary
Rod platform can be fitted with a crane completely removing the need for manual handling
Adjustable platform height ensuring the offsider is always working at the optimum working height
Independently operated Jacks
Can handle all common rod sizes B+, N+, H+, P+
Can handle both 6 m and 9 m lengths
Can be used to handle tubes from the mast to the platform
Works on all mast angles from 45° - 90°
Independently operated Jacks,
All jacks can be raised / lowered and extended / retracted independently
Self Loading, The platform can be jacked up to 1,5 m (5 ft) off the ground enabling it to be quickly and safely loaded onto a truck or track carrier
Safety, The platform is supplied with all standard safety equipment, lights, E, stops, fire extinguisher etc
Shipping, Can be transported in 40" HC container for easy shipping

Rod Feeder performance is directly related to conditions encountered in the field.

Contact an Exploration Drill Masters representative for detailed product information.