



HD 700 Series Drifter

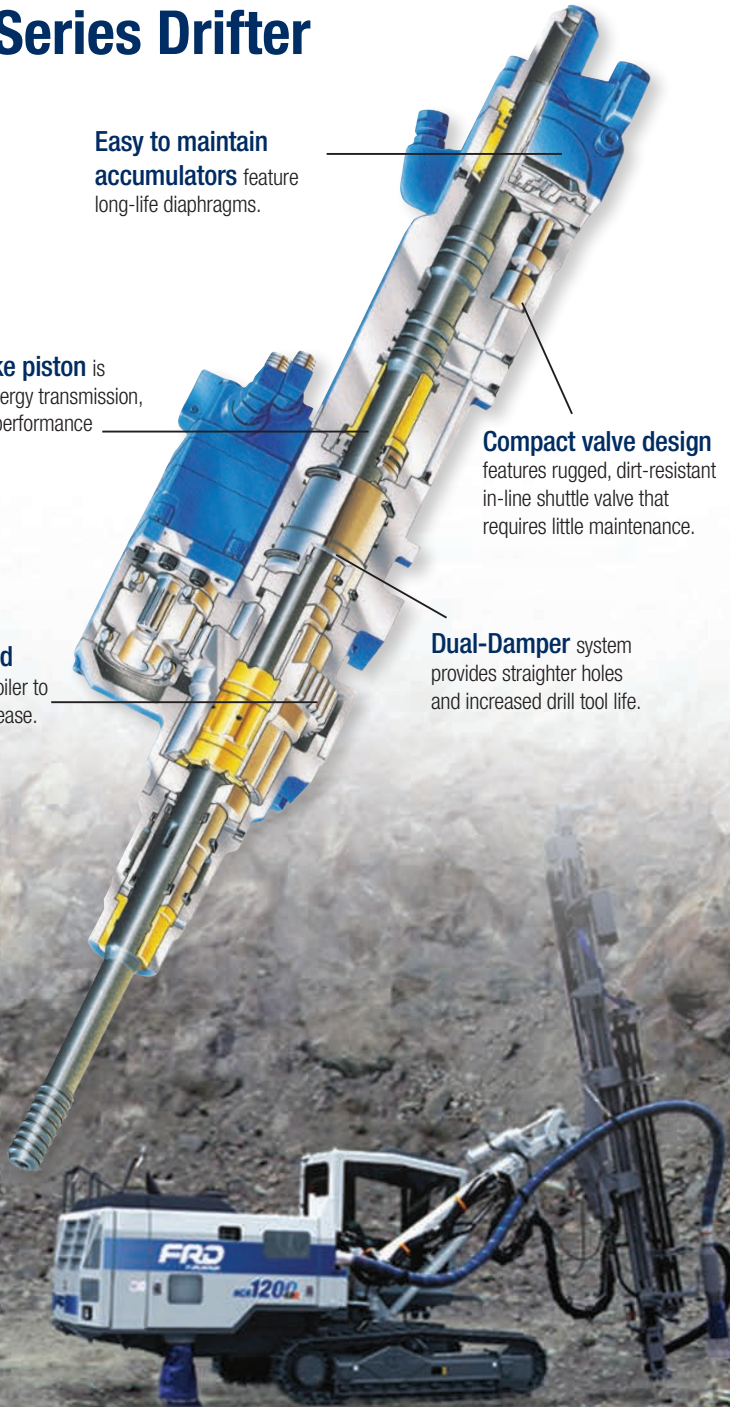
Easy to maintain accumulators feature long-life diaphragms.

New variable-stroke piston is designed to maximize energy transmission, delivering optimum drill performance in a variety of rock types.

Internally lubricated fronthead means no oiler to fill and no bearings to grease.

Compact valve design features rugged, dirt-resistant in-line shuttle valve that requires little maintenance.

Dual-Damper system provides straighter holes and increased drill tool life.



Features and Benefits:

Drill Faster and Straighter with the Patented HD700 Series Drifter

- › The Furukawa HD700 series drifter is designed to minimize drill noise and vibration without sacrificing performance. Incorporating a new piston design, the HD700 series drifter maximizes energy transmission and drills effectively in a variety of rock types.

Integrated Drilling System

- › Incorporates all-hydraulic controls for automatic adjustment of impact and feed force to accommodate changing rock conditions. A reactive dampening control system regulates the pressure based on rock hardness, providing superior drilling performance.

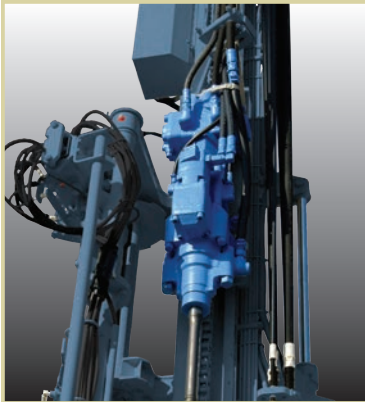
Dual-Damper System DDS

- › FRD has developed the Dual-Damper System, a first in the industry. For maximum energy transfer, active DDS minimizes the return of shock waves by keeping the bit firmly against the rock at all times during drilling. Active DDS minimizes percussion energy loss and by optimizing the overall feed force, greatly improves the life of drilling accessories. Active DDS (U.S. Patent No. 5,896,937).

Compact Valve Design

- › A compact shuttle valve minimizes loss of oil pressure and maintains total power output of the drifter.

Model	HD709		HD712		HD715	
SPECIFICATION	US Standard	Metric	US Standard	Metric	US Standard	Metric
Max. Impact Pressure	2,538 psi	17.5 Mpa	2,538 psi	17.5 Mpa	2,538 psi	17.5 Mpa
Impact Energy - Long Stroke	279 ft-lbs	378 joules	357 ft-lbs	484 joules	452 ft-lbs	613 joules
Impact Energy - Short Stroke	205 ft-lbs	278 joules	260 ft-lbs	353 joules	378 ft-lbs	513 joules
Blow - Long Stroke	2,250 bpm		2,250 bpm		2,250 bpm	
Blow - Short Stroke	2,500 bpm		2,500 bpm		2,500 bpm	
Max. Impact Output - Long Stroke	19.03 hp	14.2 kW	24.40 hp	18.2 kW	30.83 hp	23 kW
Max. Impact Output - Short Stroke	15.55 hp	11.6 kW	19.70 hp	14.7 kW	28.82 hp	21.5 kW
Stroke Adjustment	variable type		variable type		variable type	
Max. Rotation Pressure	2,624.5 psi	18.1 Mpa	2,914.5 psi	20.1 Mpa	2,914.5 psi	20.1 Mpa
Max. Rotation Torque	486.8 ft-lbs	660 Nm	1,045.1 ft-lbs	1,417 Nm	1,045.1 ft-lbs	1,417 Nm
Max. No. of Rotation	250 rpm		190 rpm		190 rpm	
Flushing System	Swivel Type		Swivel Type		Swivel Type	
Flushing Volume	215 psi	6.1 m ³ /min	275 psi	7.8 m ³ /min	433.5 psi	12.3 m ³ /min
Flushing Pressure	149.35 psi	1.03 Mpa	149.35 psi	1.03 Mpa	149.35 psi	1.03 Mpa



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