

## HD 800 Series Drifter

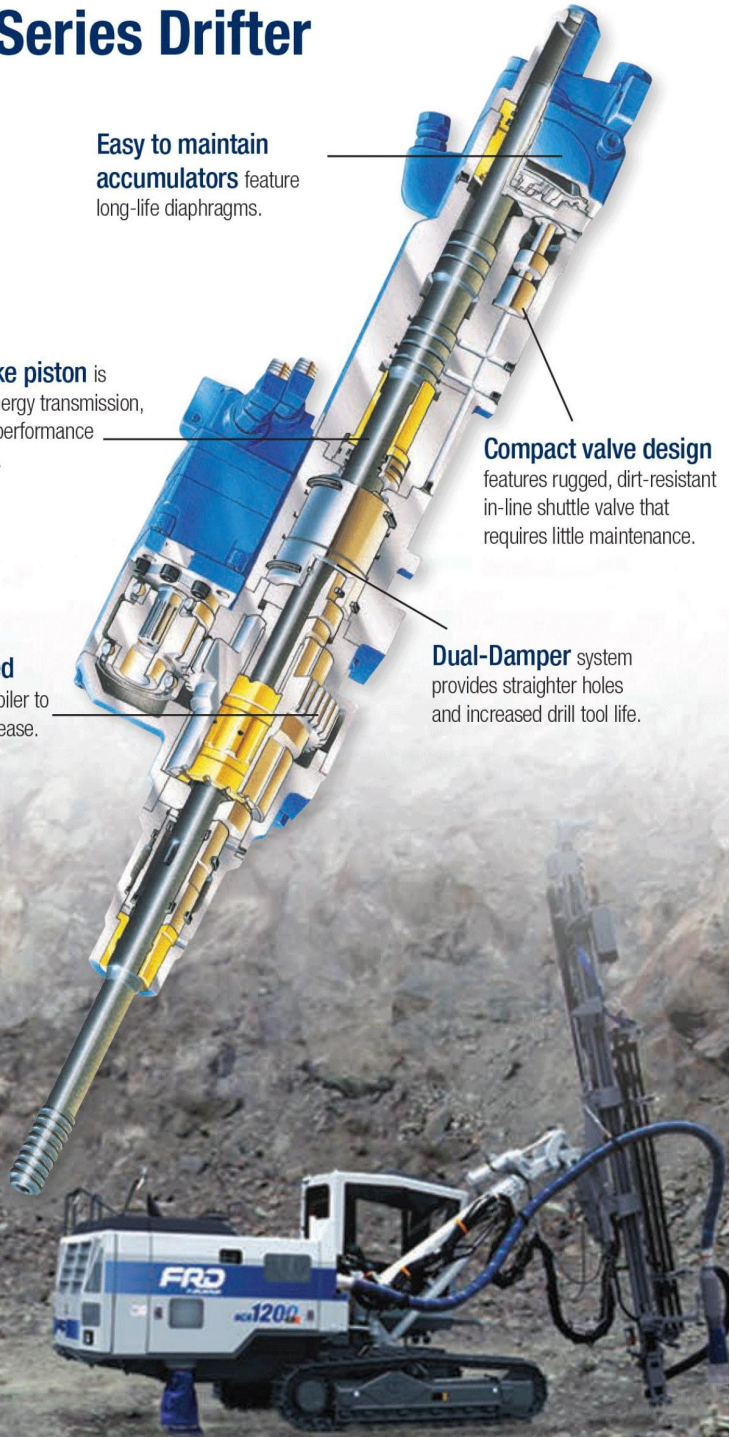
**Easy to maintain accumulators** feature long-life diaphragms.

**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 HD800 Series Drifter

- › The Furukawa HD800 series drifter is designed to minimize drill noise and vibration without sacrificing performance. Incorporating a new piston design, the HD800 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.



# HYDRAULIC DRIFTER

	HD818	HD822	HD828S	HD828	HD836	HD826
Drill Compatibility	900ES/1100ED	1100ER	1450	1800	1800	1450ED
Max. Impact Pressure (US Standard)	2,900 psi	2,900 psi	3,118 psi	2,900 psi	3,335 psi	2538 psi
Max. Impact Pressure (Metric)	20 MPa	20 Mpa	21.5 MPa	20 MPa	23 Mpa	20 MPa
Blow - Long Stroke, BPM	2,800	2,700	2,500	2,700	2,600	2,700
Blow - Short Stroke, BPM	3,400	3,300	3,000	3,300	3,100	3,300
Max. Impact Output - Long Stroke (US Standard)	24.1 hp	29.5 hp	34.8 hp	37.5 hp	48.2 hp	35 hp
Max. Impact Output - Long Stroke (Metric)	18 kW	22.0 kW	26 kW	28 kW	36 kW	26 kW
Stroke Adjustment	Variable	Variable	Variable	Variable	Variable	Variable
Max. Rotation Torque (US Standard)	508 ft-lbs	1,045 ft-lbs	1,045 ft-lbs	1,045 ft-lbs	2,179 ft-lbs	1,045 ft-lbs
Max. Rotation Torque (Metric)	689 Nm	1,417 Nm	1,417 Nm	1,417 Nm	2,955 Nm	1,417 Nm
Max. No. of Rotation Per Minute	200	190	190	190	120	190
Flushing System	Swivel Type	Swivel Type	Swivel Type	Swivel Type	Swivel Type	Swivel Type



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