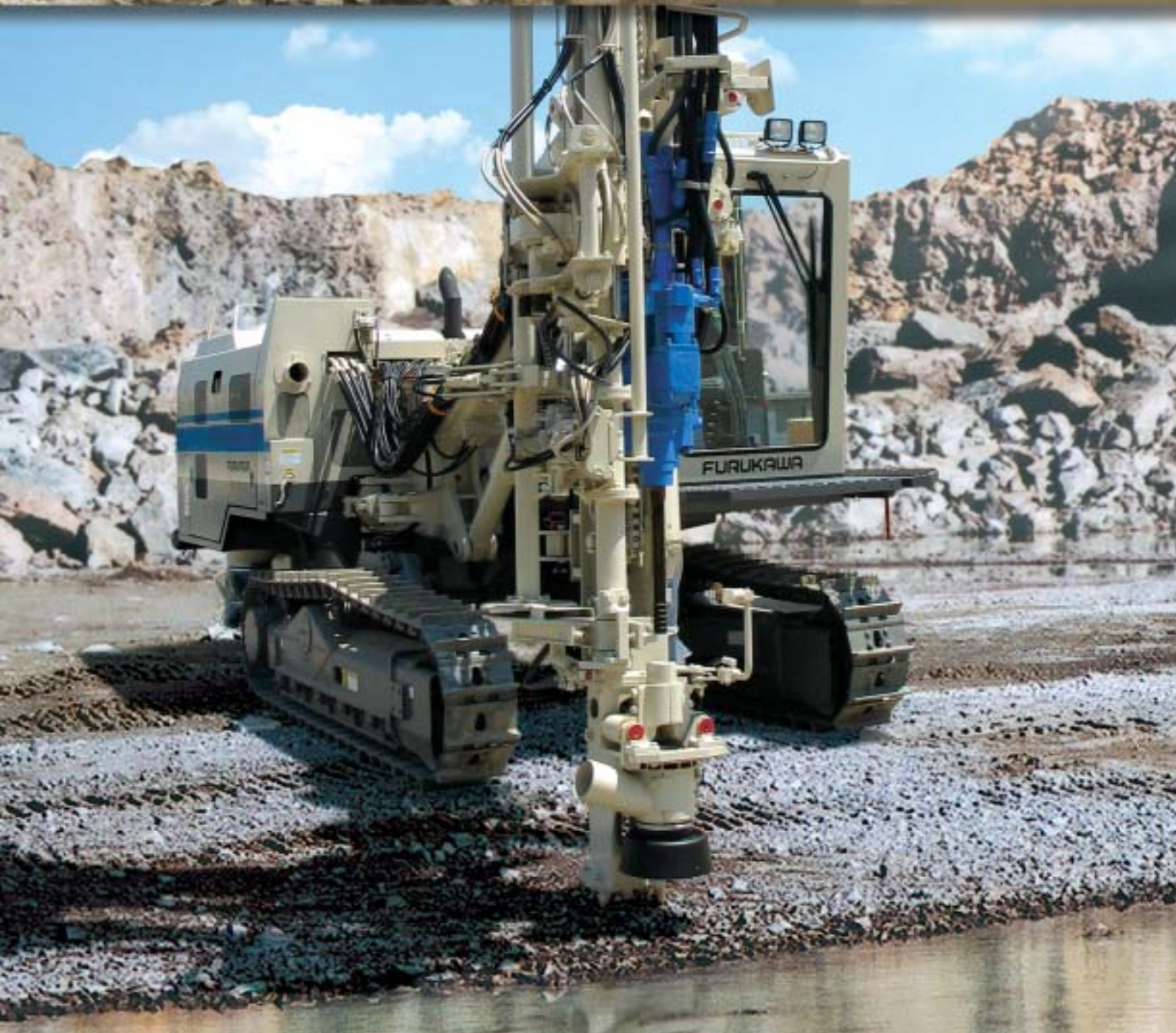


HCR1500



Drill faster and straighter with the HD715 drifter.

The Furukawa HD715 drifter combines powerful penetration with agility and easy operation. Equipped with features that maximize efficiency, the HD715 drifter sets the standard in high-performance drilling:



- Integrated drilling system is comprised of all-hydraulic controls and a reactive damper control system, which work together to accommodate changing rock conditions. The hydraulic controls automatically adjust impact and feed force, while the damper control system regulates pressure based on rock hardness.
- Dual damper system maximizes energy transfer to produce straighter holes. The system automatically tunes the drifter for maximum performance regardless of the rock condition.
- Compact valve design provides rapid valve and piston response for enhanced performance.



Maximize operator performance with the ultimate in ergonomic cab design.

When it comes to ergonomically-friendly cabs, Furukawa offers various options to minimize operator fatigue. Cabs are 51 inches (1,300 mm) with ROPS/FOPS. In addition, all cabs are air-conditioned and continuously pressurized with filtered air to maintain a comfortable operating environment. Other features include:

- Large windows maximize operator visibility.
- 120-degree swiveling seat – adjustable for legroom, back angle, height and operator weight – provides maximum visibility.
- Single-lever drilling control for easy operation.
- High-visibility gauges allow operator to monitor machine functions while remaining focused on the drilling.
- Rubber-mounted engine frame isolates cab from engine vibrations.
- Walk-around ground level maintenance provides fast, easy upkeep or repair.



The HCR1500 ED (shown) features 12 foot steel change capability with a 12 – 16 foot starter rod

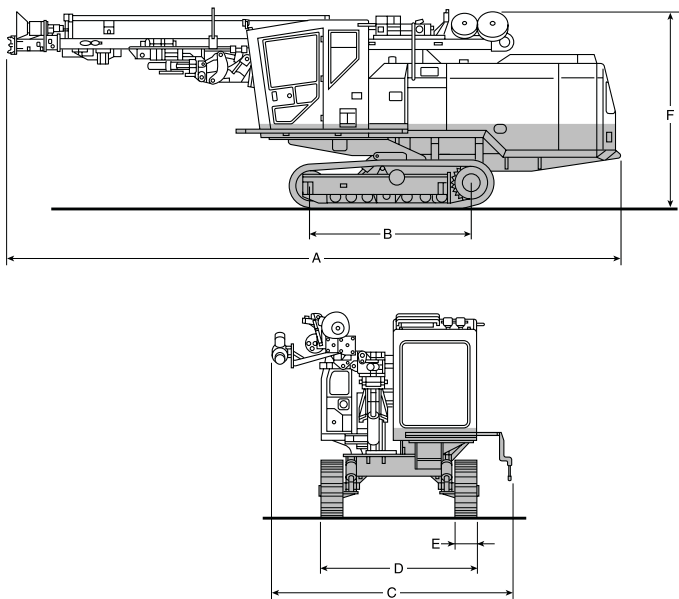
Combining performance and economy.

The Furukawa HCR 1500 is ideal for demanding quarry applications. Operators stay comfortable all day with our ergonomically designed cabs. Simple, durable and efficient, the HCR1500 ED (extendable boom) and 1500 D20 (fixed boom) incorporate a self-adjusting drill system that ensures high productivity no matter what the drilling situation. By automatically controlling the impact force, feed force, rotation force and dual damper pressure, the HCR1500 continuously adapts to the changing rock conditions, increasing drilling performance and the life of drill tools while decreasing fuel consumption.

HCR1500 ED HCR1500 D20

- HCR1500 ED with extendable boom increases drill pattern, while the HCR1500 D20 has a fixed boom with 20' rods for deeper drilling capability.
- High-output compressor increases flushing air, provides faster drilling and decreases bit wear.
- Reliable dust control system increases suction capacity and provides effective pre-cleaner to reduce escape of drilling dust. An optional dust suppression system is available for difficult drilling conditions.
- Advanced rotary rod changer allows easy drill rod changes. Operators can add and remove rods using a single lever. Rods can also be indexed in the rack to distribute wear evenly and reduce costs.
- Low-emission Tier II engines offer low fuel consumption and meets US exhaust emissions regulations.
- Heavy-duty undercarriage – featuring a pentagonal section design to reduce dirt build-up and track wear – ensures strength and durability.
- Angle indicator for quick and easy drilling alignment.





HCR1500*

ED

D20

Weight & dimensions		
Operating weight, lbs (kg)	37,368 (16950)	38,140 (17300)
A Overall length, ft (mm)	32' 11" (10050)	32' 10" (10200)
B Ground contact length, ft (mm)	9' 1" (2780)	9' 4" (2865)
C Overall width with pre-cleaner, ft (mm)	12' 3" (3725)	12' 8" (3861)
Transport width ft (mm)	8' 6" (2591)	
D Width over tracks, ft (mm)	7' 10½" (2400)	
E Width of shoe, in (mm)	13" (330)	
F Overall transport height, ft (mm)	11' 6" (3500)	11' 5½" (3490)
Drifter: HD715		
Weight, lbs (kg)	551.15 (250)	
Impact rate, per min	2150	
Number of rotations, per min	0-150	
Undercarriage		
Ground clearance, ft (mm)	1' 10" (565)	
Oscillating angle, (degrees)	±7.5	
Travel speed, mph (km/h)	0-2.60 (0-4.2)	0-2.36 (0-3.8)
Gradability degrees	30	
Engine: Cummins QSC8.3-C		
Type	Water-cooled direct injection, 6-cylinders turbo charged, Tier II diesel engine	
Output/speed, Hp @ RPM	300 / 2200	
No. of cylinders - bore / stroke, inch (mm)	6" - 4½" / 5 ⅞" (114 / 135)	
Piston displacement, cubic inch (liters)	506.49* (8.3)	
Hydraulic pump		
Type	2-variable displacement piston pumps supply oil for both travel and drilling. 1-gear pump for cooling and dust collector.	
Compressor: PDSF290-S14A		
Free air delivery, cubic foot/min (m³/min)	434' (12.3)	
Delivery air pressure, PSI/MPa	1.03	
Boom: JE326-145 JF325-141		
Lift angle, degrees up/down	40/20	40/25
Swing angle, degrees right/left	38/7	35/7
Extension length, ft (mm)	2' 11½" (900)	Fixed
Guide Shell: GH831-41 GH831-51		
Overall length, ft (mm)	26' 3" (8000)	33' 5½" (10200)
Feed length, ft (mm)	15' 5"/14' 10" (4700/4520)	22' 7"/22' (6880/6700)
Slide length, ft (mm)	4' 11" (1500)	
Swing angle, degrees right/left	38/38	25/90
Tilt angle, degrees	170	
Guide rotary angle, degrees	90	
Rod pull, force lbs (kN)	6669 (31.0)	
Dust collector		
Suction capacity, cubic foot/min (m³/min)	1412' (40)	
Cab		
Type	ROPS-FOPS, Air-conditioned and pressurized with intake air filter	
Width, in (mm)	51" (1300)	
Rod arrangement		
Type	Rod changer	
Numbers of rod	6+1(starter rod)	4+1(starter rod)
Bit and rod		
Bit diameter, inch (mm)	3½" - 5" (89-127)	
Rod size	T-51	
Rod length, ft (mm)	12' (3657)	20' (6096)
Starter rod length, ft (mm)	12' - 16' (3657 - 4877)	20' (6096)

* Specifications include ROPS-FOPS cab, without bit and rod.

Furukawa's policy is one of continual improvement. Specifications may change between printing.

