



HYDRAULIC BREAKERS



WHERE **EXPERIENCE COUNTS**

FURUKAWA ROCK DRILL



TRADITION AND HIGH-TECH FROM ONE COUNTRY

Japan, country of old traditions, has proven its high technical performances in many different ways. Already many years ago Japanese electronic equipment contributed highly to the possibility to reach the moon and other planets. In almost every computer, telephone or any other kind of electronic equipment we can find some Japanese components. In the car industry Japanese engineers have achieved high performances in order to produce cars more efficient and economical. Car tests in different countries have often concluded that Japanese cars are the most reliable and with a minimum of maintenance cost. Also Furukawa is one of those traditional concerns, that could show continuous growth through their on going product improvement and development.

Everything started in 1875, when Furukawa opened their Kusakura Copper Mine. The mining job always required new and specific solutions to improve our production. For this reason Furukawa started in 1900 to produce their own mining equipment, which led to higher production levels of the mine. With this step Furukawa unintentionally created the base for a new, high technology concern. The better results with their custom made machinery soon created a demand for similar machines in other mines. To be able to fulfill these requirements, Furukawa started to separate their activities in different divisions.

In 1918 Furukawa Mining Co. Ltd was found and in 1920 Furukawa Electric Co. Ltd. Later in 1961 the start of Furukawa Rock Drill Co. Ltd was an answer to the demand to be able to sell worldwide, the machines, that initially were meant only for their own use.

In 1971 Furukawa established a new factory in Yoshii for the production of crawler drills and demolition equipment. The demand for those products was so large, that in 1976 a second production unit was established in Takasaki. Since then from these two factories more than 100.000 hydraulic breakers were delivered all over the world. In the meantime Furukawa Rock Drill division has built an international sales and service network, which secures an optimum after sales service for all equipment. Our slogan **WHERE EXPERIENCE COUNTS** we take as serious as other Japanese traditions and we hope you will approach us with your specific demands. We and our Distributor network are ready to help you.



F SERIES



F SERIES

The F6 and F9 breaker are specialized for the midi excavators and backhoe loaders. For each request, FRD provides the optimum breaker frame.



- A Standard frame for top bracket mounting (FT) F6
- B Low Noise for top bracket mounting (LN) F6
- C Special frame for backhoe loader mounting (BHL) F6
- D Low Noise for top bracket mounting (LN) F9

HIGH POWER/WEIGHT RATIO

The use of high quality materials and highest quality production process results in a breaker with less weight and higher output/performance.

MINIMUM MOVING PARTS

The fewer parts move, the fewer parts will wear. This reduces maintenance cost and downtime.

ADJUSTABLE VALVE

The breaker can be adjusted to any specification of the carrying excavator and to each required optimal working condition.

HIGH RELIABILITY

The use of the best quality materials and the highest quality standard in production securely creates a product that will work longer and is more efficient.

LOW MAINTENANCE

High quality materials give longer lifetime to each part, which drastically reduce the total maintenance cost.

LOWEST LIFETIME COST

Over long periods the advantages of less downtime and fewer parts to replace, results in a cost per year, which are the lowest in the market.



		F6	F9
Operating weight, ¹⁾ FT, BHL	kg	365	
Operating weight, ¹⁾ LN ²⁾	kg	350	535
Height with rod, FT, BHL	mm	1450	
Height with rod, LN	mm	1400	1595
Operating pressure	min	Mpa	10
	max		16
Oil flow	min	l/min	50
	max		90
Impact rate 1/min	min	bpm	650
	max		1600
Impact energy	joules	884	1305
Rod diameter Ø	mm	75	90
Effective length Rod	mm	450	500
Weight Rod	kg	21,5	35,5
Hose inner dia Ø HD, ND	mm	12	19
Noise level guaranteed	FT / BHL	dB(A)	129
	LN	dB(A)	125
Base machine weight		t	3,5 - 10
			6 - 12

¹⁾ Operating weight with top bracket. ²⁾ LN Silent Version = Sound and vibration damping

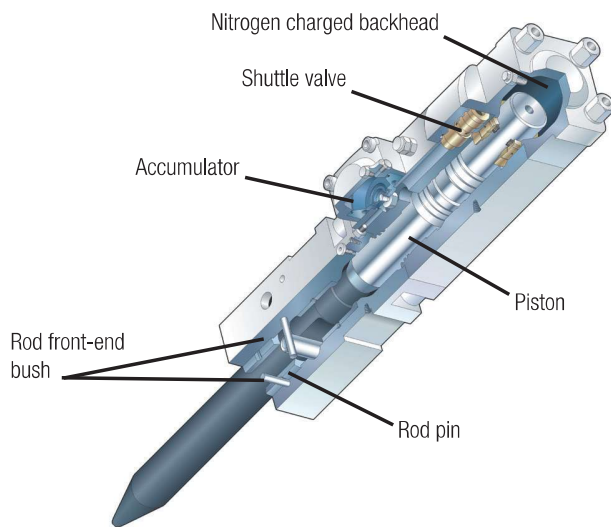
Specifications subject to change without notice

WHERE EXPERIENCE COUNTS

F SERIES

Features and Benefits:

- Nitrogen charged back head for superior energy transfer
- Large diameter piston for increase in impact energy
- CD designed threads on through-bolt provide even load distribution and greater surface contact between the nut and bolt
- New front head design includes replaceable thrust bushing for added service life



WHERE **EXPERIENCE** COUNTS