FXJ SERIES

TECHNOLOGY THAT MAKES A DIFFERENCE

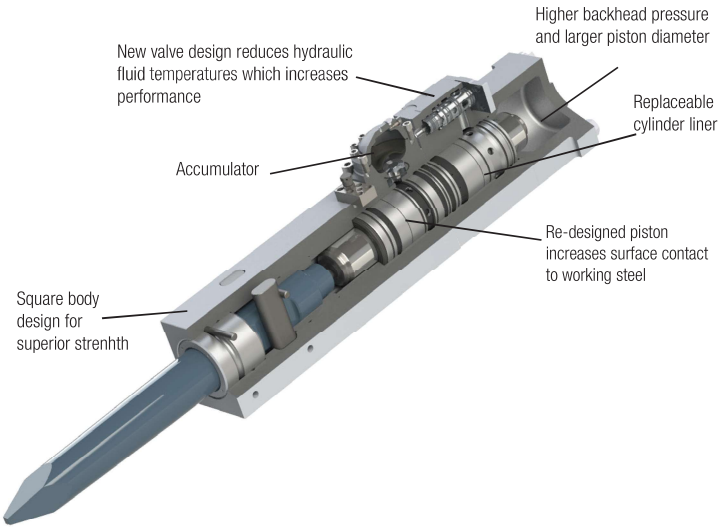
GREAT BREAKING POWER
The u se of high quality materials and the highest quality production process results in a breaker body with less weight and higher output/performance. The impact energy is higher than ever.

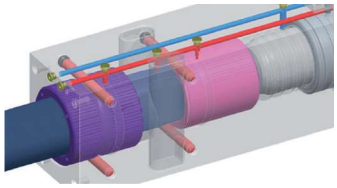
OPERATOR FRIENDLY
With the new slim design the FXJ has a better accessibility in demolition and quarry. It provides high efficiency in trench work. In addition to its slim design, there is a newly designed top damper which reduces the noise and vibration.

IMPROVED DURABILITY
The use of the best quality materials and the highest quality standard in production creates a product that will work longer and is more efficient. The new floating rod seal, minimizes dust intake and result in an extended life time.

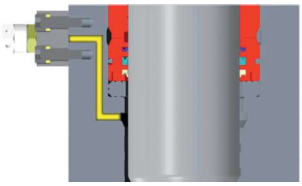
EASY SERVICE
To ease the service FRD developed the mono-block cylinder which reduced the parts. With this unique construction, there are no through bolts needed. With the new rod pin design and other improvements of the parts, the lifetime is longer and are easy to replace.

LOWEST LIFETIME COST
High quality materials give a longer lifetime to each part, which drastically reduces the total maintenance 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.

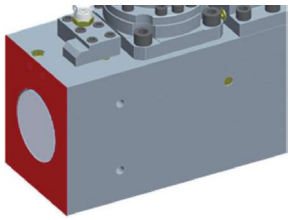




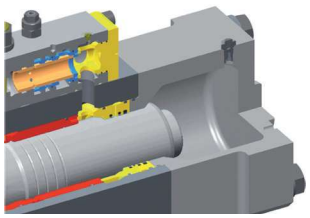
GREASING SYSTEM
Advanced greasing system that evenly distributes grease to front holder, front bushing and rod pins



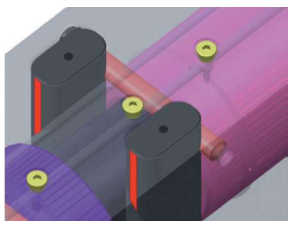
DUST CONTROL SYSTEM
2-Point Patent dust intake prevention system.



SLIM BODY DESIGN
The rectangular design allows better pressure distribution



VALVE DESIGN
Low resistance reduces hydraulic fluid temperatures which increases the efficiency



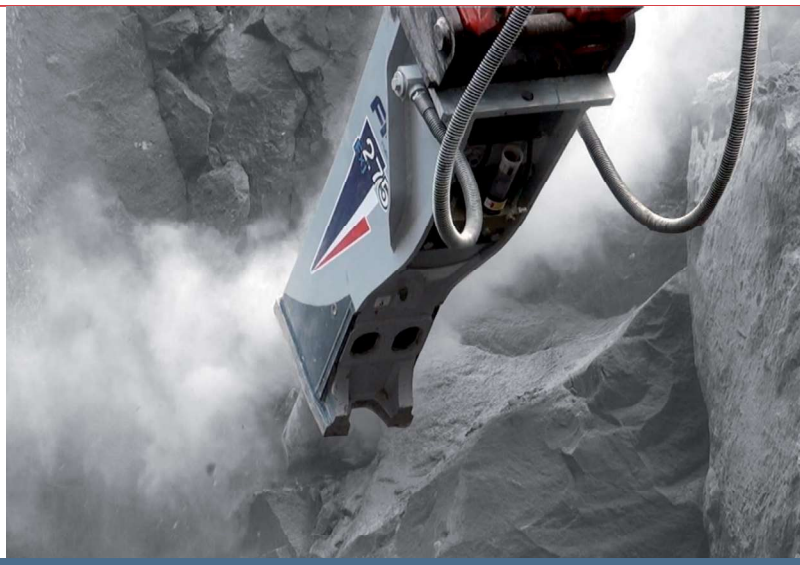
SMART DEVELOPED ROD PIN
Load is decreased by the long rod pin, which enlarge the supporting area

REDESIGNED PISTON
Increased contact area to the impact surface of the rod

FXJ SERIES

FRD's line of hydraulic breakers for excavators represents the latest in design technology. With multiple patented enhancements, the FXJ series improves day-to-day performance, offering less maintenence and downtime, smoother operation, superior strength and the highest level of reliabillity. A wider hydraulic flow range allows for use on a broad range of carriers reducing inventory while increasing utilization.

FXJ125 FXJ175 FXJ225 FXJ275 FXJ375 FXJ475



			FXJ125	FXJ175	FXJ225	FXJ275	FXJ375	FXJ475
Operating weight, [1] FXJ		kg	850	1000	1600	1800	2600	3200
Height with rod,		mm	2005	2043	2411	2468	2715	2892
Operating pressure	min	MPa	16	16	16	16	16	16
	max		18	18	18	18	18	18
Oil flow	min	l/min	70	100	125	145	170	200
	max		120	160	190	220	260	300
Impact rate	min	bpm	400	450	350	350	300	250
	max		1000	900	850	620	550	450
Impact energy		joules	2320	3610	4580	5120	7310	9620
Rod diameter Ø		mm	110	120	135	140	155	170
Rod effective length		mm	640	620	650	680	715	720
Rod weight		kg	69	81	120	143	167	229
Hose inner dia Ø Press/Return		mm	19	19	25	25	25	32
Sound power level		dB	125	118	120	121	121	121
Guaranteed sound power level		dB	129	120	121	122	123	124
Base machine weight		ton	9 - 16	12 - 21	16 - 24	18 - 30	25 - 42	33 - 55

[1] Operating weight with top bracket.

Specifications subject to change without notice

WHERE **EXPERIENCE COUNTS**

FXJ SERIES

As usual FRD has designed the FXJ series to offer the benefits of minimum maintenance needs and a maximum of user convenience and output assurance. Large noise reductions of some 6 dbA has been achieved against past models. Reduced vibration effects likewise make the models more friendly for users and the immediate user environment. Modern design and increased power complements a carefully thought through physical structure.

FXJ770

FXJ1070

ADVANTAGES FXJ SERIES

- High reliability
- High power and performance (adjustable blows/blow energy)
- Can work in any type of application/material
- Low maintenance design
- Minimized moving parts
- Adjustable valve for maximum performance on each type/size of excavator
- Auto grease connection
- Compressed air connection for anti dust or working underwater
- FXJ frame for low noise and vibration
- Dust suction prevent function

			FXJ770	FXJ1070
Operating weight, [1]		kg	4800	6550
Height with rod		mm	3390	3800
Operating pressure	min	Mpa	16	16
	max		18	18
Oil flow	min	l/min	250	280
	max		340	420
Impact rate 1/min	min	bpm	250	200
	max		420	375
Impact energy		joules	11850	13690
Rod diameter Ø		mm	190	210
Effective length Rod		mm	860	980
Weight Rod		kg	315	434
Hose inner dia Ø HD, ND		mm	32	32
Noise level guaranteed		dB(A)	124	128
Base machine weight		t	44-75	65-100

[1] Operating weight with top bracket.

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WHERE **EXPERIENCE COUNTS**

TYPE OF ROD

FRD is a recognized manufacturer of hydraulic breakers thanks to her experience. This experience is also used in the manufacture of rods. The FRD rod are beased on the in-house experience in the heat treatment of steel, the design of the breaker and the demands placed upon our customers made.

Type of rods	Shape	Major applications
Flat rod		Secondary breaking in quarries, boulder breaking, concrete breaking, and slab breaking
Moil point		Multi purpose applications, including breaking of extra hard rock, hard rock, hard stone, and reinforced concrete, as well as excavation of bedrock
Wedge point		Concrete breaking, excavation of bedrock, operations on the face of slope, excavation of ditches, etc.
Asphalt spading \ Wide rod		<u>Asphalt spading:</u> Cutting of asphalt or soft material <u>Wide rod:</u> Breaking of asphalt in road building, knocking out of ladles, demolition of concrete or reinforced concrete
Core rod (Ball Point Rod)		Breaking metal ores, as well as quartzite and other highly abrasive objects

Material	Occurrence	Specification	Rod
Asphalt	Parking, Roads	soft structures	Wedge point / Wide rod
Concrete	Thin floors, walls	Reinforced	Wedge point
		not reinforced	Moil point
	Thick floors, walls	Reinforced	Wedge point
		not reinforced	Moil point
	Foundations	Reinforced	Wedge point
		not reinforced	Moil point
	Recycling		Flat rod
Sedimentary rock (limestone, sandstone, graywacke, calcareous sediment)	Trenching, foundation work, primary quarry breaking	heavily fissured	Wedge point
		lightly fissured	Moil point
		monolithic	Moil point
	Breaking oversizes		Wedge point
Crystalline rock (magma, greenstone, gabbro, granite etc.)	Trenching , foundation work, primary quarry breaking	heavily fissured	Wedge point
		lightly fissured	Flat rod
		monolithic	Flat rod
	Breaking oversizes		Flat rod