



# HYDRAULIC BREAKERS

XP - SERIES



DURABLE AND RELIABLE

WHERE **EXPERIENCE COUNTS**

# HYDRAULIC BREAKERS

## DURABLE AND RELIABLE

A FULL RANGE OF INDESTRUCTIBLE PRODUCTS FOR DEMANDING QUARRY AND DEMOLITION WORK: CRUSHING, BREAKING, ROAD WORKS, LANDSCAPING, TRENCHING, SITE PREPARATION, PILE DRIVING, TUNNELLING AND DEMOLITION.



## WHERE EXPERIENCE COUNTS

### LARGE HYDRAULIC BREAKERS

Behind their simple exterior FRD breakers hide many years' experience, careful learning and intelligent design. There are hundreds of reasons to let FRD products do your work, here are just some of them.

#### HIGH POWER / WEIGHT RATIO

The use of high quality materials and highest quality production process results in a hammer body with less weight, with 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. Long stroke with maximum power and short stroke with maximum frequency.

#### HIGH RELIABILITY

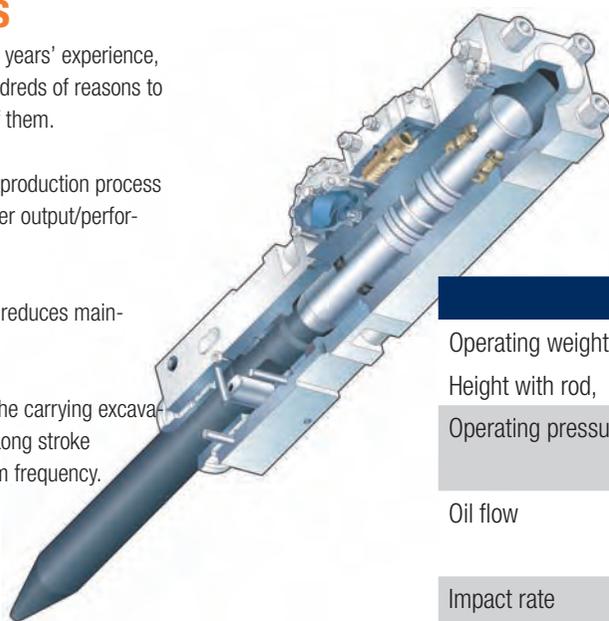
The use of the best quality materials and the highest quality standard in production securely creates a product that will work longer and is more efficient.

#### 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.



### ADVANTAGES OF „XP“ SERIES

As usual FRD has designed its new XPerience line 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 new colours complements a carefully thought through physical structure.

			F12XP	F19XP	F22XP	F27XP	F35XP	F45XP	F70XP	F100XP
Operating weight, <sup>1)</sup> XP	kg		880	1260	1650	1805	2385	2985	4315	6500
Height with rod,	mm		2100	2270	2348	2455	2648	2850	3235	3800
Operating pressure	min	bar	160	160	160	160	160	160	160	160
	max		180	180	180	180	180	180	180	180
Oil flow	min	l/min	100	120	145	155	175	200	250	280
	max		130	155	180	190	220	250	340	390
Impact rate	min	bpm	450	400	360	340	320	300	250	200
	max		900	750	700	650	600	500	500	350
Impact energy	max	joules	2320	3579	4572	5118	6883	8829	13667	15690
Rod diameter Ø	mm		105	120	135	140	150	165	180	210
Effective length Rod	mm		650	700	725	750	775	800	860	990
Weight Rod	kg		68	100	128	145	150	215	270	480
Hose inner dia Ø HD, ND	mm		19	25	25	25	25	32	32	32
Base machine weight	ton		10 - 16	12 - 19	16 - 25	20 - 30	25 - 40	30 - 50	45 - 70	65 - 100

<sup>1)</sup> Operating weight with top bracket. XP Silent Version = Sound and vibration damping

Specifications subject to change without notice

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