

FRD'S 5TH GENERATION HYDRAULIC BREAKER

FHB **SERIES**



FHB12

FHB16

FHB18

FHB20

FHB27

FHB35

FHB45

THE NEXT GENERATION OF ROCK BREAKING

HIGH-PERFORMANCE HAMMERING SINCE 1973

INTRODUCING THE FHB LARGE-SERIES BREAKERS

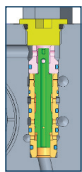
From breaking rock with a hammer and chisel to using carrier mounted hydraulic breakers, FRD-USA has been at the forefront of providing the most advanced and innovative demolition tools in the industry.

The FHB Series is FRD's next generation of large breaker, building on the success of the previous Fx series. The FHB line offers more versatility by now providing seven breaker options, ranging from 9t to 60t class carriers.

New FHB Features Include:

- › Stop pins and rod pins updated to improve breaker durability
- › New models include the manual Quick Switch Valve (QSV) (with the exception of the FHB12) for altering between short and long stroke based on application
- › The Smart Stroke System (SSS) automatically dials in optimal stroke length by sensing piston position, and is available as an option on select models
- › Enhanced internal hydraulics leading to improved production efficiencies
- › More Eco-Friendly efficiencies reduce CO₂ emissions

FHB16 | FHB18 | FHB20



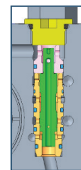
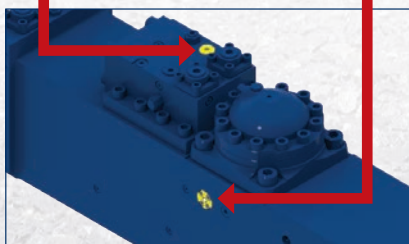
SSS Valve

Automatically dials in optimal stroke length by sensing piston position



QSV Valve

For altering between short and long stroke based on application



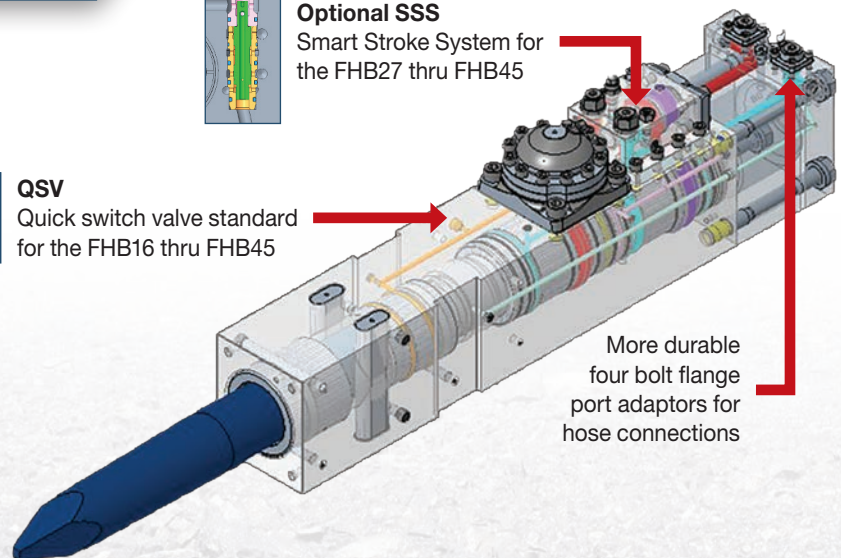
Optional SSS

Smart Stroke System for the FHB27 thru FHB45



QSV

Quick switch valve standard for the FHB16 thru FHB45



More durable four bolt flange port adaptors for hose connections

FHB27 | FHB35 | FHB45

FHB

BREAKER LINEUP



SPECIFICATIONS	FHB12	FHB16	FHB18	FHB20	FHB27	FHB35	FHB45
TOTAL WEIGHT IN LBS (KG)*	1,782 (810)	2,963 (1,347)	3,355 (1,525)	3,485 (1,584)	3,762 (1,710)	5,277 (2,399)	7,021 (3,185)
TOTAL LENGTH IN INCHES (MM)*	87 (2,208)	100 (2,540)	100 (2,540)	113 (2,870)	119 (3,026)	126 (3,197)	146 (3,708)
WORK STEEL DIAMETER IN INCHES (MM)	4.33 (110)	4.72 (120)	4.72 (120)	5.31 (135)	5.51 (140)	6.10 (155)	6.69 (170)
ADJUSTABLE BLOWS PER MINUTE (BPM)	450 ~ 670	420 ~ 620	400 ~ 600	390 ~ 590	370 ~ 550	340 ~ 510	290 ~ 400
HYDRAULIC INPUT POWER (KW)	36.0	46.5	51.0	58.5	63.0	75.0	90.0
ACCEPTABLE GPM RANGE (LPM)	18.5 ~ 31.5 (70 ~ 119)	26.4 ~ 40.9 (100 ~ 155)	29.1 ~ 44.8 (110 ~ 170)	33.1 ~ 51.4 (125 ~ 195)	36.9 ~ 55.4 (140 ~ 210)	44.8 ~ 56.6 (170 ~ 250)	52.8 ~ 79.2 (200 ~ 300)
ACCEPTABLE PSI RANGE (BAR)	2,320 ~ 2,610 (160 ~ 180)	2,320 ~ 2,610 (160 ~ 180)	2,320 ~ 2,610 (160 ~ 180)	2,320 ~ 2,610 (160 ~ 180)	2,320 ~ 2,610 (160 ~ 180)	2,320 ~ 2,610 (160 ~ 180)	2,320 ~ 2,610 (160 ~ 180)
RECOMMENDED CARRIER RANGE IN U.S. TONS	9 - 15	12 - 20	15 - 21	19 - 26	21 - 33	28 - 44	39 - 61
CARRIER OPTIONS	■ ■	■	■	■	■	■	■



*Note: Total weight and total length include standard working steel and universal top cap less mounting pins and bushings.

CARRIER OPTIONS



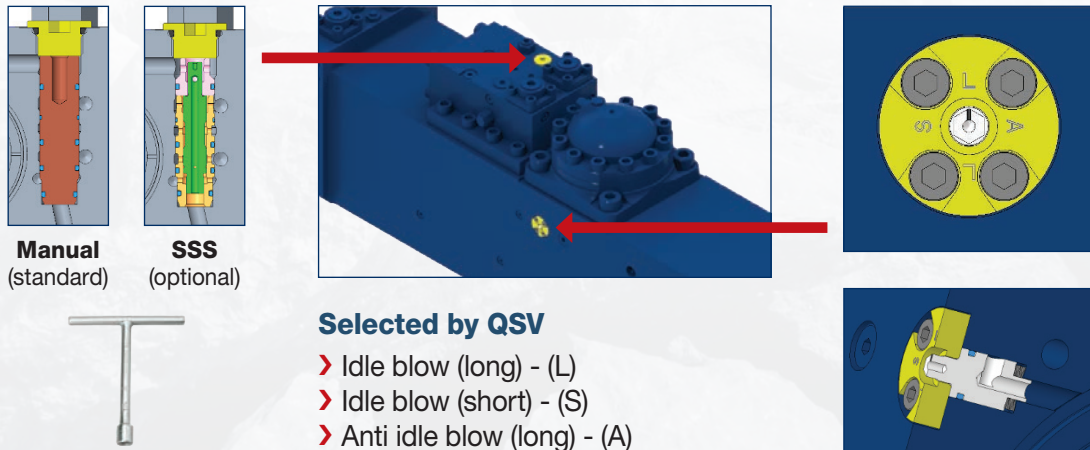
ALL NEW STROKE CONTROL ENHANCEMENTS

QUICK SWITCH VALVE (QSV) & SMART STROKE SYSTEM (SSS)

MODEL		<i>FHB16</i>	<i>FHB18</i>	<i>FHB20</i>	<i>FHB27</i>	<i>FHB35</i>	<i>FHB45</i>
 QUICK SWITCH VALVE (QSV)	IDLE BLOW (LONG)	■	■	■	■	■	■
	IDLE BLOW (SHORT)	■	■	■	■	■	■
	IDLE BLOW PROTECTION (LONG)	■	■	■	■	■	■
	IDLE BLOW PROTECTION (SHORT)	-	-	-	-	-	-
 SMART STROKE SYSTEM (SSS)		-	-	-	OP	OP	OP

*Same as Fxj125, FHB12 doesn't have a QSV. It switches between long and short stroke by attaching and detaching a GPF plug.

- > **Quick Switch Valve (QSV):** New type of stroke adjuster with easy switching. Comes standard on FHB16-FHB45.
- > **Smart Stroke System (SSS):** Automatically switch between long and short stroke by detecting piston position. Optional on the FHB27-FHB45.



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