

# OUTSTANDING DEALER NETWORK



## FRD DEMOLITION AND SORTING GRAB - FSG TYPE -

Designed to demolish brick walls, and sort and load all kinds of demolished materials. Closed shells. With integrated load-holding valve.



	FSG10-PL	FSG20-PL	FSG30-PL	FSG40-PL	FSG50-PL	FSG60-PL	
Weight without adapter plate	kg	200	460	830	1475	1530	1860
Capacity	l	80	200	370	650	720	900
Height open	mm	720	890	1070	1390	1390	1470
Height closed	mm	820	1010	1200	1595	1600	1720
Length closed	mm	650	940	1170	1430	1430	1420
Length open	mm	1110	1620	1920	2225	2235	2340
Width	mm	400	600	800	900	1000	1100
Excavator weight class	t	1-5	5-9	9-15	16-22	23-30	31-45
Top bracket mounting dimensions		Adaptor plate		F35LN	F35LN	F45LN	

## FRD DEMOLITION AND SORTING GRAB - FDG TYPE -

Designed for variable use and handling of mixed materials such as construction waste and recycling materials. Open jaws of Hardox 400 to ensure long lifetime. With integrated load-holding valve.



	FDG10-PL	FDG20-PL	FDG30-PL	FDG35-PL	FDG40-PL	FDG50-PL	FDG60-PL	
Weight without adapter plate	kg	220	510	900	940	1590	1830	2170
Capacity	l	80	200	370	370	650	760	925
Height open	mm	720	890	1070	1200	1450	1490	1600
Height closed	mm	820	1010	1200	1350	1600	1710	1800
Length closed	mm	650	940	1170	1170	1410	1450	1530
Length open	mm	1110	1620	1920	1920	2260	2260	2500
Width	mm	400	600	800	800	900	1000	1230
Excavator weight class	t	1-5	5-9	9-15	15-20	16-22	23-30	29-45
Top bracket mounting dimensions		Adaptor plate		F35LN	F35LN	F35LN	F45LN	

## FRD DEMOLITION AND SORTING GRAB - FMP TYPE -

Multipurpose grab for stone laying, sorting and handling of construction and recycling materials, rough bulk and horticultural materials. Closed shells with Esco bucket teeth for a solid grip. With integrated load-holding valve.



	FMP10-PL	FMP20-PL	FMP30-PL	FMP40-PL	FMP50-PL	FMP60-PL	
Weight without adapter pl.	kg	195	450	800	1410	1570	2170
Capacity	l	50	120	270	480	570	920
Height open	mm	720	1000	1210	1560	1560	1735
Height closed	mm	695	960	1200	1580	1580	1900
Length closed	mm	610	900	1145	1360	1360	1510
Length open	mm	970	1400	1790	2055	2055	2500
Width	mm	400	500	660	790	950	1000
Excavator weight class	t	1-5	5-9	9-15	16-22	23-30	30-40
Top bracket mounting dimensions		Adaptor plate		F35LN	F35LN	F45LN	



# WHERE EXPERIENCE COUNTS

*"What we mean by service to our clients includes same day repair and part delivery, fast repair on location in the event of a rare breakdown.*

*We have a great name to uphold. We try to keep it that way."*

*"For a professional problem-free job FRD offers the best combination of quality equipment and instant service and support. The dealer network is outstanding."*

### LOCAL SERVICE AND SUPPORT

FRD seeks firstly to supply a product of undoubted integrity. Then back this up with a support network of dedicated dealers to ensure the most suitable answer to any question. The combination of FRD and dealer is unbeatable.

FRD dealers have been selected for their professional competence, their market coverage, their dedication to quality and their willingness to work. They receive intense training on all machines and systems and every support that a committed manufacturer can give them. They actively exchange experience between each other to ensure their clients get the latest lessons from the market. They are a skilled and fast team of professionals.

### VALUE FOR MONEY

Buying FRD products is a smart investment. A reasonable price for top quality, long lifetime, low maintenance and no breakdown products in the long term makes financially good sense.

Next steps? FRD Europe and its dealers have a vast resource of information beyond what can be mentioned here. Do not hesitate to get in touch for more detail and an unbeatable quote.

# ATTACHMENTS

DURABLE AND RELIABLE



2007-02

# WHERE EXPERIENCE COUNTS



### Furukawa Rock Drill Europe BV

Proostwetering 29, 3543 AB Utrecht, The Netherlands  
Phone +31-(0)30-2412277, Fax +31-(0)30-2412305  
www.frd.eu or www.frduropebv.nl

# ATTACHMENTS

## DURABLE AND RELIABLE

FOR A VAST RANGE OF SPECIALIST TASKS ASSOCIATED WITH ROCK BREAKING AND DEMOLITION

- MAKING LIGHT WORK OF A HEAVY BUSINESS -

# WHERE EXPERIENCE COUNTS

### DESIGN FOR TASK

- With a 130+ year track-record, FRD has a base of design experience second to none. The company manufactures all its products in its own factories using only the best materials and under the most stringent quality control. A policy of constant improvement has created a range of products of unsurpassed performance.
- FRD excavator attachments have been designed to be smart and simple: offering superior performance; easy, reliable operation; and lowest lifetime cost.
- Complete range of attachments available from hydraulic crushers and cutters to compactors, demolition and sorting grabs.

### FRD EXCAVATOR ATTACHMENTS: DEDICATED TO RELIABILITY AND LOWEST LIFETIME COST

### FRD SECONDARY CRUSHER - VS TYPE -

To crush concrete for recycling, separate reinforcing steel from concrete and crush asphalt roads.



		VS15 FT	VS22 FT	VS22 FTR	VS30 FT
Operating weight <sup>1)</sup>	kg	1090	1780	2300	2650
Opening width	mm	740	840	840	1030
Crushing force, front	t	56	67	67	105
Crushing force, middle	t	77	92	92	137
Cutting force	t	123	155	155	206
Cutter length	mm	160	180	180	240
Base machine weight	t	10-20	17-26	20-32	26-40
Acceleration valve		yes	yes	yes	yes
360° rotation				yes	

<sup>1)</sup> Operating weight without top bracket

### FRD PRIMARY CRUSHER - VP TYPE -

To demolish concrete constructions/buildings and to cut reinforcing steel bars. Two cylinder design means maximum opening width for its size. The cast steel frame and Hardox steel arms offer optimum crushing performance with minimum wear.

		VP15 FT	VP22 FT
Operating weight <sup>1)</sup>	kg	1660	2700
Opening width	mm	820	1100
Crushing force, front	t	54	80
Crushing force, middle	t	70	105
Cutting force	t	180	282
Cutter length	mm	155	210
Base machine weight	t	15-20	20-30
Acceleration valve		yes	yes
360° rotation		hydraulic	hydraulic

<sup>1)</sup> Operating weight without top bracket

### FRD MULTI-PURPOSE CRUSHER - VM TYPE -

For applications such as low noise crushing of concrete, brick, asphalt and similar materials. With extra long cutters.

		VM15 FT	VM22 FT
Operating weight <sup>1)</sup>	kg	1320	2040
Opening width	mm	680	920
Crushing force, front	t	42	51
Crushing force, middle	t	65	78
Cutting force	t	152	180
Cutter length	mm	160	360
Base machine weight	t	13-20	19-25
Acceleration valve		yes	yes
360° rotation		hydraulic	hydraulic

<sup>1)</sup> Operating weight without top bracket

### FRD COMBI CUTTER/CRUSHER - VC TYPE -

To demolish concrete and steel structures. VC22 FT can cut profiles up to 450 x 200 x 9/14mm. The solid cast-steel body minimizes friction in severe operation to ensure long jaws lifetime.



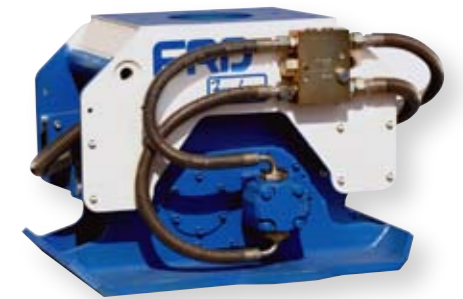
		VC15 FT	VC22 FT
Operating weight <sup>1)</sup>	kg	1260	2290
Opening width	mm	660	880
Total length	mm	1805	2380
Crushing force, primary tooth	t	55	76
Crushing force, cutter centre	t	105	148
Cutter length	mm	340	530
Base machine weight	t	12-20	20-30
Acceleration valve		yes	yes
360° rotation		hydraulic	hydraulic

<sup>1)</sup> Operating weight without top bracket

### FRD COMPACTOR - FCP TYPE -

Use of high frequency and centrifugal forces guarantee best compacting performance.

Easily mounted on all types of mini-excavators, backhoe loaders, crawler and wheel excavators. Mechanical rotation optional.



		FCP 2	FCP 5	FCP 6	FCP 12	FCP 22	FCP 35	FCP 45
Operating weight <sup>1) 2)</sup>	kg	92/105	136/152	178/198	356/370	600/680	710/780	785/870
Base plate size L x W	mm	440 x 320	450 x 450	510 x 450	610 x 760	710 x 850	870 x 750	940 x 750
Impulse force	KN	10	18	25	50	95	155	205
Vibration frequency	1/min	2200 - 2600	2200 - 3000	2200 - 3000	2100 - 2600	2200 - 2500	2400 - 2900	2400 - 2900
Base machine weight	t	0,8 - 3	2 - 5	4,5 - 8	6 - 16	15 - 28	20 - 35	22 - 37
Top bracket mtg. dim.		F2LN	F2LN	F3LN	F6LN	F12LN	F19LN	F19LN

<sup>1)</sup> Operating weight without top bracket

<sup>2)</sup> Compactor with rotation