






## MULTI-PURPOSE ATTACHMENTS **PRODUCT RANGE**

Furukawa Rock Drill is synonymous with premium products that you can rely on. This brochure is intended to give you an overview of our Multi-Purpose Attachments.



All products:  
[www.frd.eu](http://www.frd.eu)

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1) Weights only apply to standard carrier devices.

Deviations must be agreed with FRD or the manufacturer of the carrier device before installation.

Info: Specifications subject to change without notice.



PROMPT, SAFE, ON-SITE

## Our service for you

The tools from FRD represent premium equipment that our customers enjoy working with. Our products have been developed to cover a wide range of applications, carrier devices and materials. A wide network of selected dealers is at your disposal to ensure the best possible support. They will provide you with reliable support for all aspects of our product lines and ensure that you will find the right machines to suit your needs. In line with

our quality standards, we are always ready to offer you our technical expertise if you have any special requests. By working closely together, we are able to establish all the prerequisites for you to always work professionally. Take advantage of our extensive knowledge and our intelligent machine range featuring premium quality. Do not hesitate to contact us if you have any questions.

### WE STAND FOR THIS



HIGH  
QUALITY



RELIABLE  
PRODUCTS



TOP  
CUSTOMER SERVICE



## THE DESIRE FOR PERFECTION

### FURUKAWA ROCK DRILL – FRD

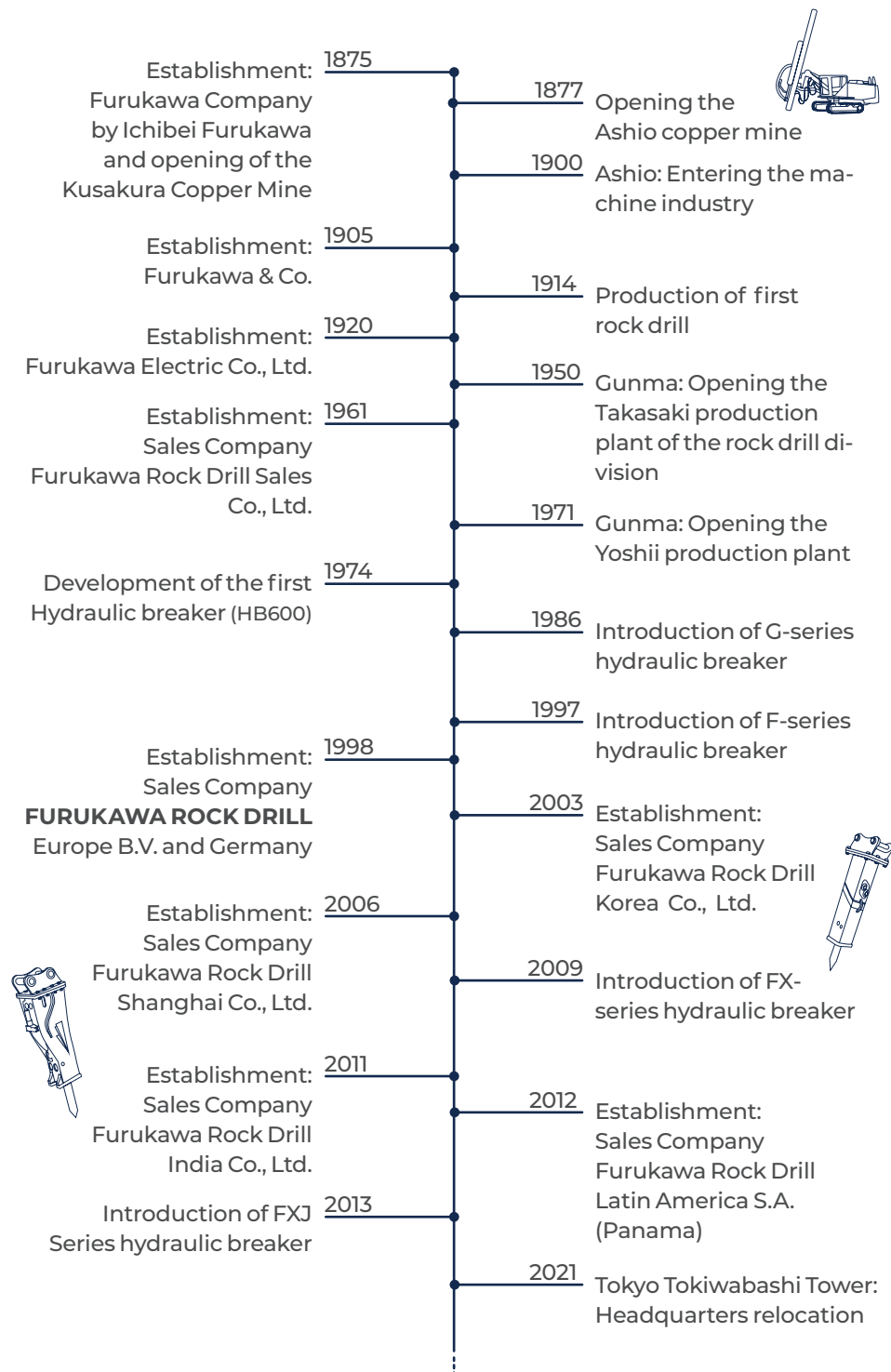
Few countries in the world exemplify precision work and innovative technology as much as Japan.

The Japanese art of manufacturing with its aspiration to perfection is deeply rooted in the country's tradition and is something that has been fostered for centuries. All Furukawa Rock Drill (FRD) products reflect this philosophy. The company was established by Ichibei Furukawa, who started a copper mining venture in 1875. He repaired and serviced the imported rock drills he used in the Ashio copper mine by himself. In 1914, Mr. Furukawa designed his rock breaking equipment which met his requirements. These high-performance and extremely robust tools laid the foundation for the success of his company a few years later.

The Furukawa Group today exists of a total of 8 corporate groups, where in-depth knowledge of metal processing as well as the design and construction of first-class machines play a significant role. The hydraulic breakers, surface drilling rigs, excavation machines and hydraulic demolition equipment from FRD are now in use all over the world. These premium machines break, drill, grab and crush a wide variety of materials in various applications: in infrastructure, construction, demolition, recycling, surface and underground mining as well as natural stone quarries. FRD has branches in

Europe, the United States, Latin America, Korea and China to provide you with reliable support.

The desire for perfection continues to drive us. This is why the Innovations Lab of the Furukawa Group is continuously conducting research into technical innovations for even more powerful, durable and maintenance-friendly machines that you can count on.







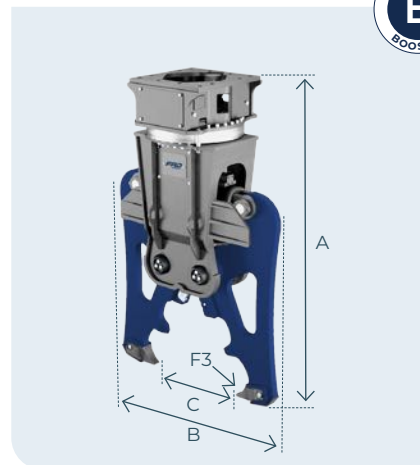
# ATTACHMENTS



## The Booster Demolition Crusher

The VXB series has been specially developed for primary demolition work and is the most suitable tool for mini, standard and long front demolition excavators with a long reach and a working height of over 20 meters.

Equipped with a cylinder, two pivot points and large opening width with constant closing force to perform specialized demolition of structures at great heights.



### Features and benefits

- 7 sizes available
- 360° rotation in a compact design for optimum positioning and precise handling
- Centre of gravity closer to the excavator
- Fully protected cylinder
- High cutting performance
- Replaceable and reversible blades
- The hydraulics are easily accessible thanks to bolted service covers
- Replaceable teeth (from VXB-10ER)

### Highlights of VXB Series

**7**  
Sizes

**360°**  
Rotation

**B**  
Booster

## Technical data

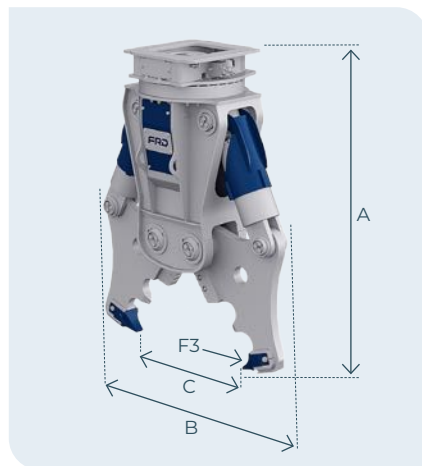
MODEL	CARRIER WEIGHT CLASS <sup>1)</sup>	PRODUCT-WEIGHT	LENGTH (A)	WIDTH (B)	JAW OPENING (C)	CUTTER LENGTH	CRUSHING FORCE (F3)	ROUND MATERIAL	ROTATION	OIL FLOW (ROTATION)	OPERATING PRESSURE (ROTATION)	OIL FLOW (OPENING/CLOSING)	OPERATING PRESSURE (OPENING/CLOSING)
	T	KG	MM	MM	MM	MM	T	MM	DEG (°)	L/MIN	MPA	L/MIN	MPA
VXS-2ER	1,3 ~ 4	185	892	665	276	85	20	15	360	2 ~ 5	18 ~ 22	20 ~ 25	22
VXB-6ER	2 ~ 6	310	1125	745	350	85	30	15	360	5 ~ 10	12	50	20
VXB-7ER	4 ~ 8	440	1290	920	485	85	35	15	360	5 ~ 10	12	70	20
VXB-10ER	7 ~ 13	740	1540	1100	550	150	50	20	360	5 ~ 10	12	70	20
VXB-20ER	13 ~ 20	1480	2045	1445	740	150	70	20	360	8 ~ 12	12	100 ~ 140	25
VXB-26ER	17 ~ 25	1870	2365	1550	825	200	80	25	360	12 ~ 20	12	120 ~ 160	25
VXB-30ER	22 ~ 31	2480	2395	1710	970	200	95	30	360	12 ~ 20	16	150 ~ 200	25

## VX SERIES

### Demolition Crusher

The VX series has been specially developed for primary demolition and is the best dedicated solution for standard and long front demolition excavators from 3 to 140 tons.

Equipped with two powerful cylinders and two pivot points resulting in a large opening width and an almost constant closing force. They are ideal for demolishing the thickest reinforced concrete such as bridges, viaducts and heavy foundations.



#### Features and benefits

- 10 sizes available
- 360° rotation in a compact design for optimum positioning and precise handling
- Wide slewing ring bearing
- Reverse mounted and fully protected cylinders
- High crushing force
- The hydraulics are easily accessible thanks to bolted service covers
- Replaceable and reversible blades
- Replaceable crushing teeth (from VX-15ER to VX-80ER)
- A high flow speed valve achieves the faster cycle time (from VX-15ER to VX-80ER)

#### Highlights of VX Series

**10**

Sizes

**3 - 140**

Carrier weight

**360°**

Rotation

### Technical data

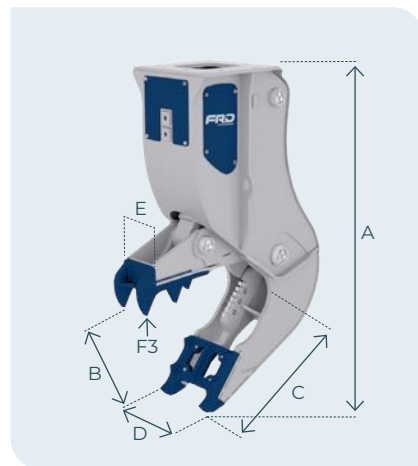
MODEL	CARRIER WEIGHT CLASS <sup>1)</sup>	PRODUCT-WEIGHT	LENGTH (A)	WIDTH (B)	JAW OPENING (C)	CUTTER LENGTH	CRUSHING FORCE (F3)	ROUND MATERIAL	ROTATION	OIL FLOW (ROTATION)	OPERATING PRESSURE (ROTATION)	OIL FLOW (OPENING/CLOSING)	OPERATING PRESSURE (OPENING/CLOSING)
	T	KG	MM	MM	MM	MM	T	MM	DEG (°)	L/MIN	MPA	L/MIN	MPA
<b>NEW</b> VX-6ER	3 ~ 6	300	1130	770	380	85	19	15	360	5 ~ 10	12	30 ~ 50	25
<b>NEW</b> VX-10ER	5 ~ 12	550	1420	1190	525	85	30	15	360	5 ~ 10	12	70 ~ 110	28
VX-15ER	10 ~ 16	1060	1700	1400	755	150	50	20	360	5 ~ 10	12	90 ~ 140	35
VX-20ER	15 ~ 22	1600	2020	1500	840	150	60	25	360	8 ~ 12	12	150 ~ 200	35
VX-26ER	20 ~ 28	2105	2100	1685	1010	200	70	30	360	12 ~ 20	12	170 ~ 200	35
VX-35ER	27 ~ 36	2785	2300	1860	1190	200	90	35	360	12 ~ 20	12	250 ~ 300	35
VX-50ER	34 ~ 50	3510	2530	2000	1310	250	105	40	360	50 ~ 60	12	300 ~ 350	35
VX-80ER	45 ~ 70	4970	2730	2355	1535	250	140	45	360	60 ~ 70	12	350 ~ 500	35
VX-100ER	65 ~ 100	7710	3070	2550	1830	310	195	55	360	60 ~ 70	16	450 ~ 700	35
VX-130ER	80 ~ 140	11260	3540	2635	2000	310	245	70	360	140 ~ 170	16	600 ~ 1000	35

## VS SERIES

### Fixed Pulveriser

The VS series pulverisers for excavators from 6 to 75 tons is an excellent choice for recyclers who need to efficiently separate reinforcement from concrete.

Designed for secondary demolition. The concrete materials produced during demolition can be crushed on-site. The concrete is efficiently separated from the reinforcement to save volume, landfill and transportation costs.



#### Features and benefits

- 7 sizes available
- Reverse mounted and fully protected cylinders
- The toothed plate fastening system makes on-site replacement even easier
- Interchangeable and reversible reinforcement blades
- Large opening and jaw width
- Innovative and specific jaw shape
- A high flow speed valve achieves faster cycle time (from VS-9E)
- The hydraulics are easily accessible thanks to bolted service covers

#### Highlights of VS Series

**7**

Sizes

**6 - 75**

Carrier weight

**735 - 5580**

Product weight

### Technical data

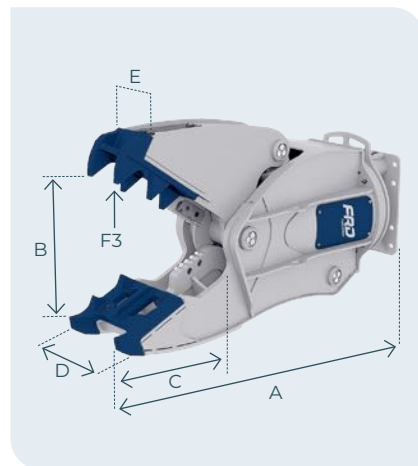
MODEL	CARRIER WEIGHT CLASS <sup>1)</sup>	PRODUCT-WEIGHT	LENGTH (A)	JAW OPENING (B)	JAW DEPTH (C)	JAW WIDTH UNDER (D)	JAW WIDTH UP (E)	CUTTER LENGTH	CRUSHING FORCE (F3)	ROUND MATERIAL	OIL FLOW (OPENING / CLOSING)	OPERATING PRESSURE (OPENING / CLOSING)
	T	KG	MM	MM	MM	MM	MM	MM	T	MM	L/MIN	MPA
VS-5E	6 ~ 12	735	1540	560	650	330	225	150	45	25	80 ~ 140	28
VS-9E	11 ~ 18	1385	1980	750	850	404	260	200	65	30	140 ~ 200	35
VS-15E	16 ~ 23	1965	2270	840	950	454	290	300	80	40	200 ~ 250	35
VS-22E	20 ~ 28	2440	2450	905	1060	490	314	300	90	40	200 ~ 300	35
VS-30E	24 ~ 36	2860	2595	1020	1175	490	314	300	110	40	300 ~ 400	35
VS-40E	30 ~ 50	3400	2795	1200	1225	530	354	300	120	45	350 ~ 450	35
VS-50E	41 ~ 75	5580	3215	1330	1330	700	470	300	150	50	450 ~ 600	35



## VM SERIES

### Demolition Pulveriser

Thanks to their straight-line design, the VM series rotating demolition pulverisers are ideal for primary demolition and secondary crushing of non-reinforced and reinforced concrete structures. For excavators from 4 to 110 tons.



#### Features and benefits

- 11 sizes available
- 360° rotation in a compact design for optimum positioning and precise handling
- Wide slewing ring bearing
- Reverse mounted and fully protected cylinders
- Interchangeable and reversible reinforcement blades
- Large jaw opening and crushing area for unrivalled productivity
- The tooth plate fastening system makes on-site replacement even easier (from VM-12ER)
- A high flow speed valve achieves the faster cycle time (from VM-16ER)
- The hydraulics are easily accessible thanks to bolted service covers

### Technical data

MODEL	CARRIER WEIGHT CLASS 1)	PRODUCT-WEIGHT	LENGTH (A)	JAW OPENING (B)	JAW DEPTH (C)	JAW WIDTH UNDER (D)	JAW WIDTH UP (E)	CUTTER LENGTH	CRUSHING FORCE (F3)	ROUND MATERIAL	ROTATION	OIL FLOW (ROTATION)	OPERATING PRESSURE (ROTATION)	OIL FLOW (OPENING/CLOSING)	OPERATING PRESSURE (OPENING/CLOSING)
	T	KG	MM	MM	MM	MM	MM	MM	T	MM	DEG (°)	L/MIN	MPA	L/MIN	MPA
VM-7ER	4 ~ 7	440	1370	460	430	280	170	85	30	20	360	5 ~ 15	12	50 ~ 90	28
VM-10ER	6 ~ 12	700	1530	540	510	300	205	85	40	20	360	5 ~ 15	12	70 ~ 110	35
VM-12ER	11 ~ 15	985	1830	620	590	350	225	150	48	25	360	5 ~ 15	12	90 ~ 120	35
VM-15ER	12 ~ 18	1310	1925	630	670	404	260	150	55	30	360	10 ~ 20	12	110 ~ 160	35
VM-16ER	16 ~ 20	1640	2130	680	720	404	260	200	65	30	360	15 ~ 25	12	140 ~ 200	35
VM-19ER	18 ~ 27	2080	2195	785	840	454	290	200	75	35	360	15 ~ 25	12	180 ~ 230	35
VM-25ER	25 ~ 36	2600	2585	920	940	454	290	200	95	40	360	15 ~ 25	12	250 ~ 300	35
VM-32ER	32 ~ 45	3400	2735	1010	1040	490	314	200	110	40	360	50 ~ 60	12	300 ~ 350	35
VM-42ER	40 ~ 55	4515	3095	1155	1140	540	350	200	130	45	360	60 ~ 70	12	350 ~ 400	35
VM-60ER	50 ~ 90	5600	3415	1275	1280	540	350	300	140	45	360	60 ~ 70	12	400 ~ 500	35
VM-80ER	75 ~ 110	8200	3820	1520	1435	730	510	300	180	50	360	80 ~ 90	12	500 ~ 700	35

## VSC SERIES

### Multiple use Crusher

The Multiple use crusher of the VSC series is the universal tool for all applications in primary demolition and secondary shredding. Various jaw systems can be attached to the base body depending on the work requirements.

The tandem cylinder design enables a massive jaw opening for this weight class.

Available with primary, combi, steel and Swiss jaws.

#### Features and benefits

- For excavators from 12 to 40 tons
- 3 sizes available
- 4 jaw sets available for different applications
- 360° rotation in a compact design for optimum positioning and precise handling
- Reverse mounted and fully protected cylinders
- Interchangeable, bolted tooth system
- The hydraulics are easily accessible thanks to bolted service covers
- Replaceable and reversible cutting blades
- A high flow speed valve achieves the faster cycle time

#### Highlights of VSC Series

3

Sizes

4

Jaws

360°

Rotation



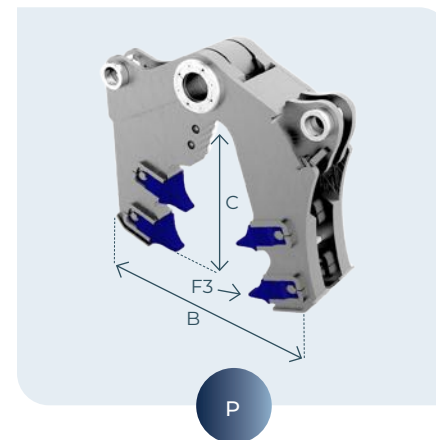
Picture: VSC Base with M Jaw

NEW

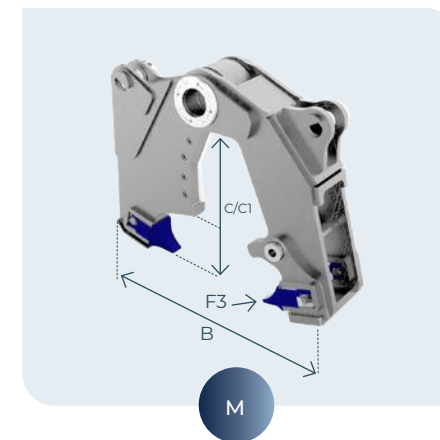
## Technical data of the base

MODEL	CARRIER WEIGHT CLASS <sup>1)</sup>	PRODUCT WEIGHT BODY	ROTATION	OIL FLOW (ROTATION)	PRESSURE (ROTATION)	OIL FLOW (OPENING/CLOSING)	PRESSURE (OPENING/CLOSING)
	T	KG	DEG (°)	L/MIN	MPA	L/MIN	MPA
VSC-140	12 ~ 24	1030	360	10 ~ 20	12	130 ~ 170	35
VSC-180	19 ~ 32	1240	360	15 ~ 25	12	170 ~ 210	35
VSC-250	25 ~ 40	1680	360	20 ~ 30	12	250 ~ 300	35

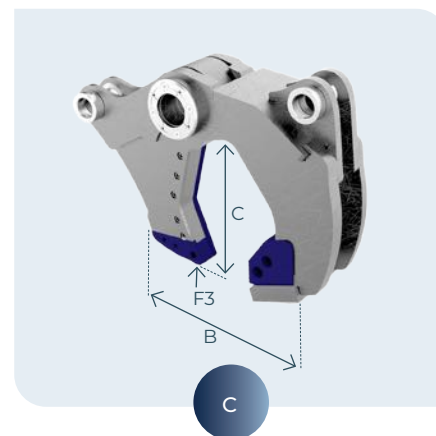
### PRIMARY - JAW



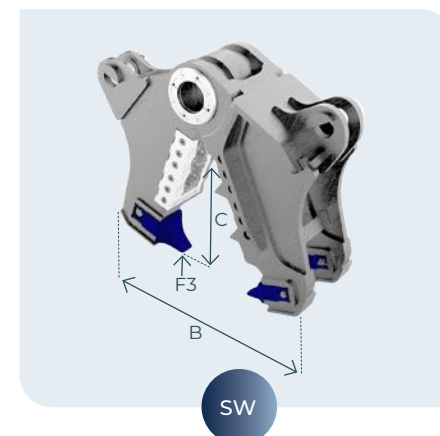
### COMBI - JAW



### STEEL - JAW



### SWISS - JAW





## VSC SERIES

### Technical data of the P, M, C & SW Jaws

#### PRIMARY - JAW

MODEL	PRODUCT WEIGHT TOTAL	PRODUCT WEIGHT JAW	LENGTH (A)	JAW OPENING (B)	JAW DEPTH (C)	JAW WIDTH (D)	JAW WIDTH (E)	CRUSHING FORCE (F3)	ROUND MATERIAL
	KG	KG	MM	MM	MM	MM	MM	T	MM
VSC-140P	1550	520	1842	675	650	143	312	54	30
VSC-180P	2040	800	2105	750	730	143	363	63	30
VSC-250P	2730	1050	2385	915	900	143	373	86	40

#### COMBI - JAW

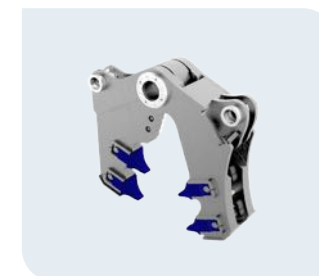
MODEL	PRODUCT WEIGHT TOTAL	PRODUCT WEIGHT JAW	LENGTH (A)	JAW OPENING (B)	JAW DEPTH (C/C1)	JAW WIDTH (D)	JAW WIDTH (E)	CRUSHING FORCE (F3)	ROUND MATERIAL	IPE PROFILE	HEA PROFILE
	KG	KG	MM	MM	MM	MM	MM	T	MM	MM	MM
VSC-140M	1500	470	1870	700	650 / 340	143	332	55	30	120	100
VSC-180M	1960	720	2110	760	730 / 430	143	408	65	35	200	150
VSC-250M	2930	1250	2445	850	870 / 570	143	458	86	40	240	180

#### STEEL - JAW

MODEL	PRODUCT WEIGHT TOTAL	PRODUCT WEIGHT JAW	LENGTH (A)	JAW OPENING (B)	JAW DEPTH (C)	JAW WIDTH (D)	JAW WIDTH (E)	CRUSHING FORCE (F3)	ROUND MATERIAL	FLAT MATERIAL	IPE PROFILE	HEA PROFILE
	KG	KG	MM	MM	MM	MM	MM	T	MM	MM	MM	MM
VSC-140C	1450	420	1170	305	400	107	269	72	40	10	180	140
VSC-180C	1840	600	1995	360	510	107	289	83	45	10	200	160
VSC-250C	2525	845	2226	485	570	107	355	111	50	15	300	220

#### SWISS - JAW

MODEL	PRODUCT WEIGHT TOTAL	PRODUCT WEIGHT JAW	LENGTH (A)	JAW OPENING (B)	JAW DEPTH (C)	JAW WIDTH (D)	JAW WIDTH (E)	CRUSHING FORCE (F3)	ROUND MATERIAL
	KG	KG	MM	MM	MM	MM	MM	T	MM
VSC-140SW	1630	600	1880	565	550	143	392	55	30
VSC-180SW	1950	710	2032	600	595	143	402	74	35
VSC-250SW	2840	1160	2357	740	755	143	442	94	40





## VMX SERIES

### Multi-processor

The VMX consists of a universal body to which various jaw sets can be attached. The innovative semi-automatic jaw locking system enables the jaws to be changed effortlessly in 5 minutes.

Our multi-processor with different jaw sets to choose from can be used flexibly for primary demolition and secondary crushing of concrete structures and for cutting steel structures on demolition sites.

Available with primary, secondary, combi, steel and Swiss jaws.



Picture: VMX25 with secondary-jaw S

### Features and benefits

- For excavators from 7 to 50 tons
- 6 sizes available
- 5 jaw sets for different applications
- 360° rotation in a compact design for optimum positioning and precise handling
- Interchangeable tooth or tooth plate system (from VMX-13)
- Interchangeable and reversible cutting blades
- A high flow speed valve achieves the faster cycle time (from VMX-17)
- The hydraulics are easily accessible thanks to bolted service covers

### Highlights of VMX Series

**6**  
Sizes

**5**  
Jaws

**360°**  
Rotation

### Technical data of the Base

MODEL	CARRIER WEIGHT CLASS <sup>1)</sup>	PRODUCT WEIGHT BODY	ROTATION	OIL FLOW (ROTATION)	PRESSURE (ROTATION)	OIL FLOW (OPENING/CLOSING)	PRESSURE (OPENING/CLOSING)
	T	KG	DEG (°)	L/MIN	MPA	L/MIN	MPA
VMX-10ER	7 ~ 13	490	360	5 ~ 15	12	70 ~ 90	23 ~ 35
VMX-13ER	10 ~ 16	600	360	5 ~ 15	12	90 ~ 140	28 ~ 35
VMX-17ER	14 ~ 21	990	360	10 ~ 20	12	110 ~ 160	35
VMX-25ER	19 ~ 27	1230	360	15 ~ 25	12	170 ~ 210	35
VMX-30ER	26 ~ 35	1630	360	40 ~ 50	12	230 ~ 250	35
VMX-35ER	34 ~ 50	2190	360	50 ~ 60	12	300 ~ 400	35

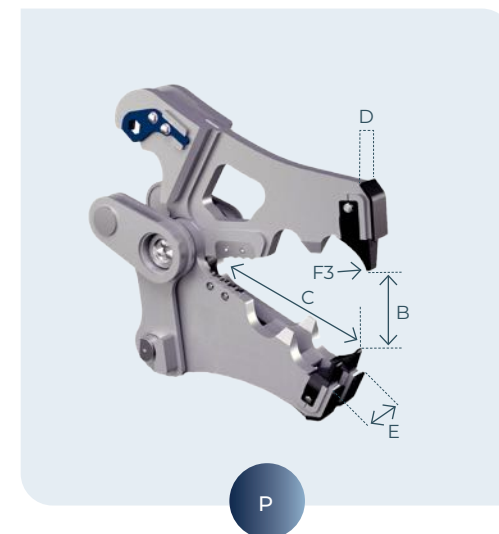


## VMX SERIES

### Technical data of the P & S Jaws

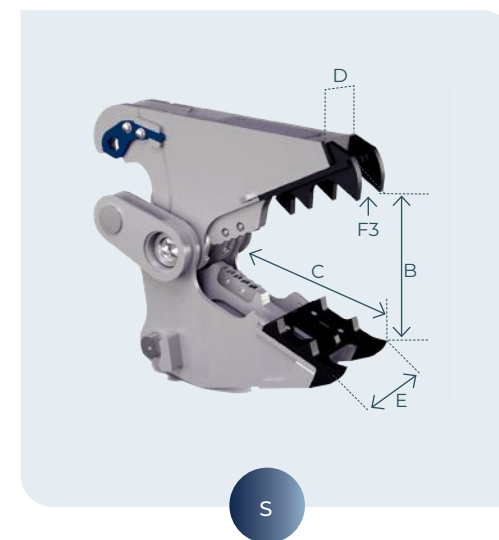
#### PRIMARY - JAW

MODEL	PRODUCT WEIGHT TOTAL	PRODUCT WEIGHT JAW	LENGTH	JAW OPENING (B)	JAW DEPTH (c)	JAW WIDTH (D)	JAW WIDTH (E)	CUTTER LENGTH	CRUSHING FORCE (F3)	ROUND MATERIAL
	KG	KG	MM	MM	MM	MM	MM	MM	T	MM
VMX-10P	740	250	1605	530	500	50	190	150	45	20
VMX-13P	1105	505	1725	610	580	60	292	150	53	25
VMX-17P	1630	640	2035	710	700	143	292	200	65	30
VMX-25P	2100	870	2080	780	760	143	292	200	80	35
VMX-30P	2745	1115	2400	865	810	143	312	200	105	40
VMX-35P	3715	1525	2550	955	910	143	332	200	120	50



#### SECONDARY - JAW

MODEL	PRODUCT WEIGHT TOTAL	PRODUCT WEIGHT JAW	LENGTH	JAW OPENING (B)	JAW DEPTH (c)	JAW WIDTH (D)	JAW WIDTH (E)	CUTTER LENGTH	CRUSHING FORCE (F3)	ROUND MATERIAL
	KG	KG	MM	MM	MM	MM	MM	MM	T	MM
VMX-10S	770	280	1630	535	525	200	290	85	45	20
VMX-13S	1085	485	1750	615	730	225	350	150	53	25
VMX-17S	1635	645	2075	730	730	260	404	150	65	30
VMX-25S	2080	850	2115	785	780	260	404	200	80	35
VMX-30S	2790	1160	2454	870	880	290	454	200	105	40
VMX-35S	3830	1640	2635	980	930	315	490	200	120	50



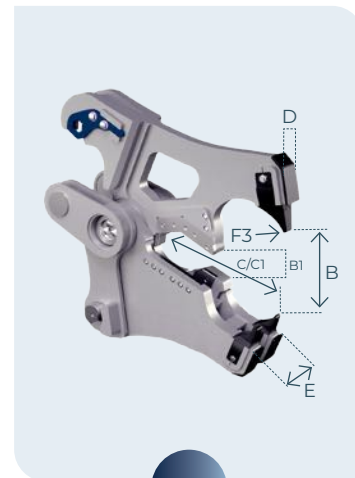


## VMX SERIES

### Technical data of the M & C Jaws

#### COMBI - JAW

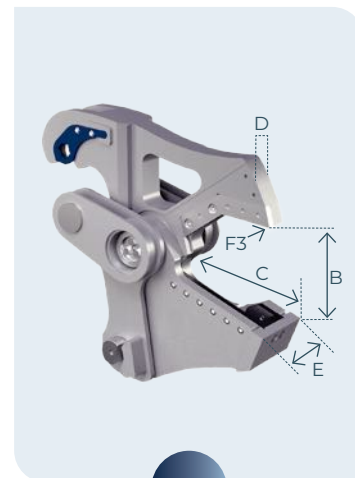
MODEL	PRODUCT WEIGHT TOTAL	PRODUCT WEIGHT JAW	LENGTH	JAW OPENING (B/B1)	JAW DEPTH (C/C1)	JAW WIDTH (D)	JAW WIDTH (E)	CUTTER LENGTH	CRUSHING FORCE (F3)	ROUND MATERIAL	IPE PROFILE	HEA PROFILE
	KG	KG	MM	MM	MM	MM	MM	MM	T	MM	MM	MM
VMX-10M	790	300	1600	530 / 265	480 / 280	60	230	280	45	30	80	-
VMX-13M	1135	535	1725	610 / 320	580 / 320	112	272	320	53	35	120	100
VMX-17M	1680	690	2035	720 / 338	700 / 340	143	302	340	65	40	140	120
VMX-25M	2150	920	2080	780 / 358	760 / 340	143	302	340	80	45	220	140
VMX-30M	2855	1225	2400	870 / 440	810 / 430	143	388	430	105	50	240	180
VMX-35M	3890	1700	2550	930 / 470	910 / 430	160	415	430	120	60	330	220



M

#### STEEL - JAW

MODEL	PRODUCT WEIGHT TOTAL	PRODUCT WEIGHT JAW	LENGTH	JAW OPENING (B)	JAW DEPTH (C)	JAW WIDTH (D)	JAW WIDTH (E)	CRUSHING FORCE (F3)	ROUND MATERIAL	FLAT MATERIAL	IPE PROFILE	HEA PROFILE
	KG	KG	MM	MM	MM	MM	MM	T	MM	MM	MM	MM
VMX-10C	770	280	1510	235	335	90	258	65	30	-	80	-
VMX-13C	1040	440	1605	290	340	90	258	75	35	6	120	100
VMX-17C	1610	620	1900	346	493	105	300	85	40	8	140	120
VMX-25C	2035	805	1930	360	493	105	309	110	45	10	220	140
VMX-30C	2705	1075	2230	425	600	120	380	140	50	12	240	180
VMX-35C	3710	1520	2395	485	650	120	415	165	60	15	330	220



C



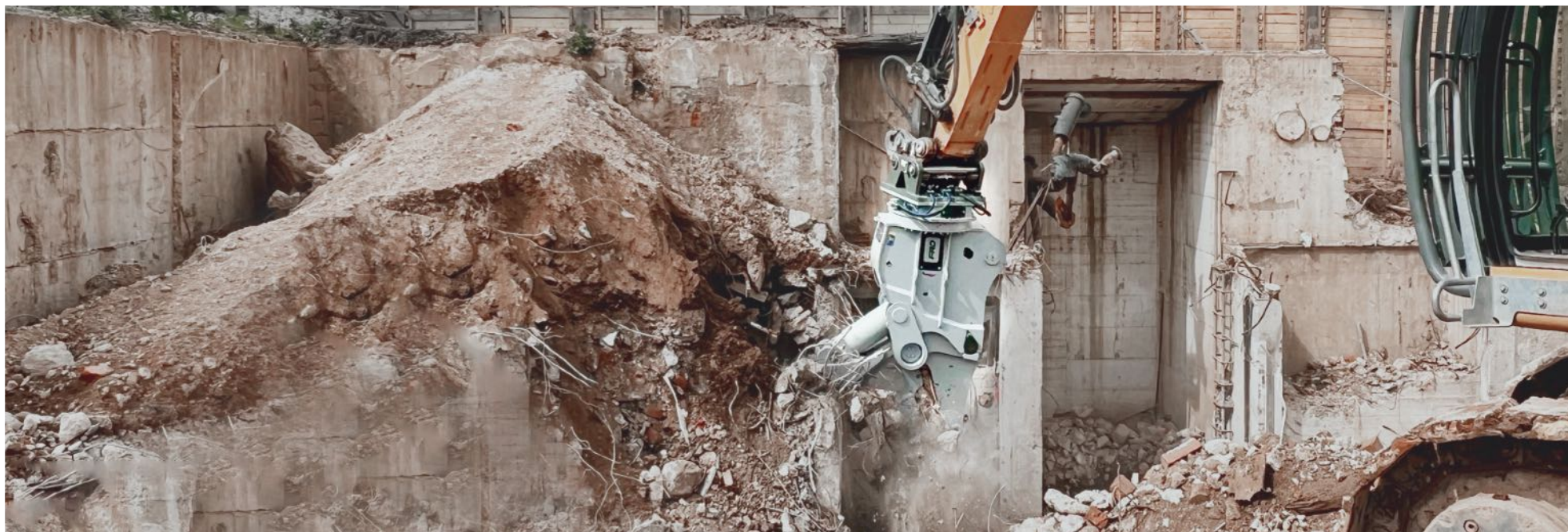
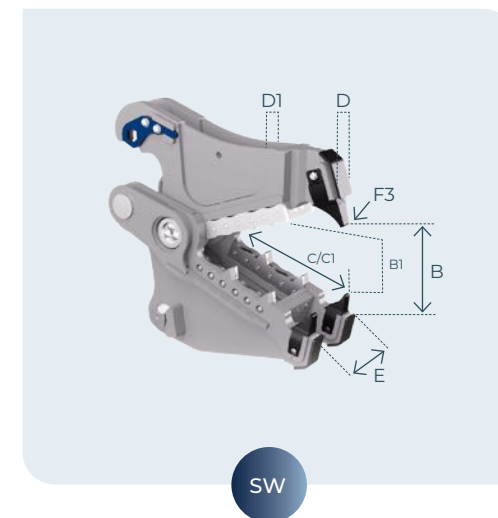


## VMX SERIES

### Technical data of the SW Jaw

#### SWISS - JAW

MODEL	PRODUCT WEIGHT TOTAL 1)	PRODUCT WEIGHT JAW	LENGTH	JAW OPENING (B/B1)	JAW DEPTH (C/C1)	JAW WIDTH (D/D1)	JAW WIDTH (E)	CRUSHING FORCE (F3)	ROUND MATERIAL
	KG	KG	MM	MM	MM	MM	MM	T	MM
VMX-10SW	800	310	1585	350 / 0	430 / 0	195 / 0	300	60	20
VMX-13SW	1075	495	1690	425 / 0	510 / 0	205 / 0	330	65	25
VMX-17SW	1710	720	2015	525 / 420	630 / 410	143 / 222	402	70	30
VMX-25SW	2180	950	2085	595 / 460	677 / 470	145 / 262	442	85	35
VMX-30SW	2935	1305	2445	745 / 690	795 / 593	145 / 292	482	110	40
VMX-35SW	3965	1775	2600	830 / 720	870 / 610	145 / 320	522	120	50



Picture: VMX-30 with Primary jaw P





RECYCLING



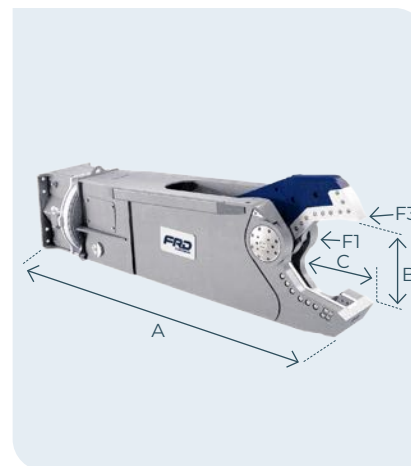
## VR SERIES

### Steel and Scrap Shear

Our premium VR series steel and scrap shears are precise and effective high-end products for carriers from 2 to over 170 tons on the stick.

Mobile steel and scrap shears are ideal for cutting steel structures on demolition sites and recovering metal beams, sheet metal, tires and cables at recycling companies.

Boom or stick mounted, the VR series has everything you need to perform well on your construction site. The optimally shaped jaws effortlessly cut steel parts by forcing the material to where the shears can exert the most force.



#### Features and benefits

- 14 sizes available
- Interchangeable and reversible cutting blades
- Double guide discs for jaw alignment
- A high flow speed valve achieves the faster cycle time
- The hydraulics are easily accessible thanks to bolted service covers
- Reverse mounted high performance hydraulic cylinder with large bore, which ensures high protection of the piston rod against unexpected impacts.

### Technical data

Info: (1\*) at stick | (2\*) at boom top | F1 Crushing force back | F3 Crushing force front

MODEL	CARRIER WEIGHT CLASS I (1*)	CARRIER WEIGHT CLASS II (2*)	PRODUCT-WEIGHT	LENGTH (A)	JAW OPENING (B)	JAW DEPTH (C)	CRUSHING FORCE (F1)	CRUSHING FORCE (F3)	ROUND MATERIAL	SQUARE MATERIAL	FLAT MATERIAL	IPE PROFILE	HEA PROFILE	ROTATION	OIL FLOW (ROTATION)	PRESSURE (ROTATION)	OIL FLOW (OPENING/CLOSING)	PRESSURE (OPENING/CLOSING)
	T	T	KG	MM	MM	MM	T	T	MM	MM	MM	MM	MM	DEG (°)	L/MIN	MPA	L/MIN	MPA
VR-2ER	2 ~ 6	1 ~ 4	315	1580	275	255	85	28	30	25	5	80	60	360	2 ~ 10	12	60 ~ 100	25
VR-4ER	4 ~ 9	2 ~ 6	490	1880	350	371	125	32	30	25	6	100	70	360	5 ~ 15	12	70 ~ 110	25
VR-7ER	7 ~ 14	5 ~ 9	820	2080	415	377	210	60	40	30	8	120	100	360	5 ~ 15	12	90 ~ 140	35
VR-15ER-2	12 ~ 20	8 ~ 14	1320	2300	450	487	275	61	45	35	10	200	140	360	5 ~ 15	12	150 ~ 250	35
VR-16ER	18 ~ 26	11 ~ 21	1850	2510	503	500	340	85	50	40	12	280	180	360	15 ~ 25	12	180 ~ 250	35
VR-20ER	23 ~ 32	15 ~ 26	2500	2775	540	525	438	118	60	45	18	350	220	360	15 ~ 25	12	200 ~ 300	35
VR-30ER-3	27 ~ 39	20 ~ 30	3350	3320	575	612	620	146	65	50	20	400	260	360	40 ~ 50	12	280 ~ 350	35
VR-40ER-3	32 ~ 45	25 ~ 40	4170	3745	670	710	730	165	70	55	22	450	280	360	50 ~ 60	12	300 ~ 450	35
VR-50ER-3	38 ~ 56	30 ~ 50	5220	3710	740	730	890	195	75	60	25	500	320	360	50 ~ 60	12	350 ~ 500	35
VR-68ER-3	70 ~ 78	40 ~ 60	6850	4305	830	852	1000	220	85	70	30	550	360	360	60 ~ 70	12	400 ~ 600	35
VR-80ER-3	70 ~ 110	50 ~ 80	8350	4445	875	944	1200	240	100	85	35	600	400	360	60 ~ 70	12	500 ~ 800	35
VR-100ER-3	> 85	>60	10300	5425	1005	1072	1320	280	110	90	40	750	550	360	60 ~ 70	12	700 ~ 1000	35
VR-150ER-3	> 120	>80	14650	6260	1145	1270	1600	355	140	120	45	950	600	360	70 ~ 90	12	900 ~ 1200	35
VR-200ER-3	> 170	>110	20900	7100	1225	1300	1700	460	165	140	50	1100	750	360	80 ~ 100	15	1000 ~ 1500	35



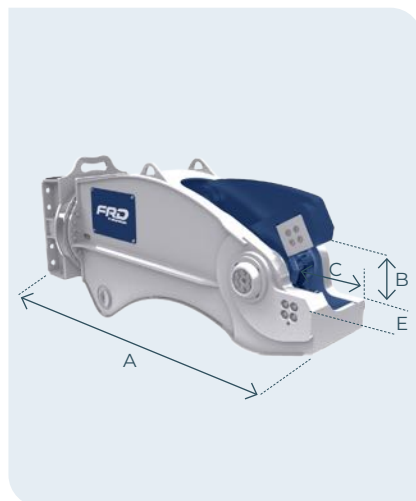
## RC SERIES

### Rail Cutter

The European railway network covers around 350,000 km. The construction and maintenance of railway tracks is an important market.

Our RC series premium rail cutters have been specially developed for cracking rails with high tensile strength.

This means that all standard Vignola rails up to 900 N/mm<sup>2</sup> strength, profile size S7 UIC 60/60 UNI can be cracked quickly and precisely. With a force of 1390 KN and the intelligent kinematics of the moving jaw, it delivers the necessary energy to crack all common profiles, including the UIC 60 profiles mentioned.



Picture: RC -22ER



Picture: RC-33ER

#### Features and benefits

- 2 sizes available
- 360° rotation in a compact design for optimum positioning and precise handling
- Replaceable and reversible blades can be used on 4 sides (RC-22ER)
- The hydraulics are easily accessible thanks to bolted service covers
- Reverse mounted and fully protected cylinder
- Reinforced housing made of Hardox and produced completely stress-free with a special heat treatment

#### Highlights of RC Series

**2**  
Sizes

**21 - 45**  
Carrier weight

**360°**  
Rotation

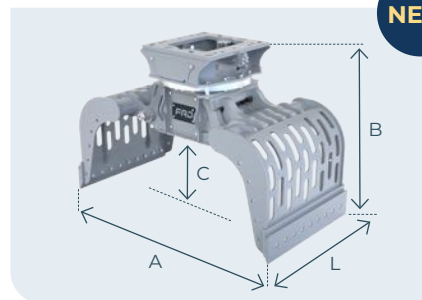
### Technical data

MODEL	CARRIER WEIGHT CLASS 1)	PRODUCT WEIGHT	LENGTH (A)	JAW OPENING (B)	JAW DEPTH (C)	JAW WIDTH UP (E)	CUTTER LENGTH	CUTTING POWER	ROTATION	OIL FLOW (ROTATION)	OPERATING PRESSURE (ROTATION)	OIL FLOW (OPENING/CLOSING)	OPERATING PRESSURE (OPENING/CLOSING)
	T	KG	MM	MM	MM	MM	MM	KG/M	DEG (°)	L/MIN	MPA	L/MIN	MPA
RC-22ER	21 ~ 40	2800	2410	225	200	550	170	60	360	8 ~ 12	19	200 ~ 300	35
RC-33ER	23 ~ 45	3000	2280	230	200	430	200	75	360	8 ~ 12	19	200 ~ 300	26

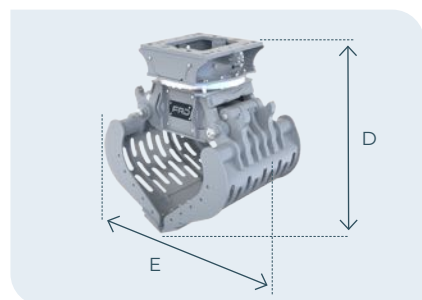
## FMD SERIES

# Demolition and Sorting Grab

Versatile demolition and sorting grab for a wide range of applications involving a wide variety of materials, such as sorting construction waste, loading and sorting recycling materials, stone setting work, excavating earth and loading coarse bulk material, loading bushes and shrubs. The sturdy perforated rear walls (made of high-strength 450 HB fine-grain steel) of the demolition grab allow sand and gravel to pass through without larger parts becoming jammed.



Picture: S version



## Features and benefits

- For excavator from 2 to 61 ton
- 10 sizes available
- Robust slewing gear with high load axial and radial ball bearing
- Protected, hydraulic slewing gear can be rotated endlessly and is designed for positioning
- Integrated mechanical stops for opening and closing
- Compact design
- Dual rotation motors as standard (from FMD-140S to FMD-290S)
- Special orbital motor with planetary gearbox (FMD-410S and FMD-610S)
- Integrated load holding valve (optional from FMD-140S to FMD-610S)
- Box design, high-strength frame
- Synchronized jaws closing design for severe duty applications
- High clamping force thanks to powerful hydraulic cylinders
- Hydraulically dampened cylinder
- Interchangeable and reversible bolt-on cutting blades made from high-strength 500 HB steel
- Maximum loading performance
- Easy maintenance

## Technical data

MODEL	CARRIER WEIGHT CLASS <sup>1)</sup>	PRODUCT WEIGHT	WIDTH OPEN (A)	HEIGHT OPEN (B)	BOWL HEIGHT (C)	HEIGHT CLOSED (D)	WIDTH CLOSED (E)	CUTTER WIDTH (L)	CAPACITY	CLAMPING FORCE	ROTATION	OIL FLOW (ROTATION)	OPERATING PRESSURE (ROTATION)	OIL FLOW (OPENING/CLOSING)	OPERATING PRESSURE (OPENING/CLOSING)
	T	KG	MM	MM	MM	MM	MM	MM	M <sup>3</sup>	KN	DEG (°)	L/MIN	MPA	L/MIN	MPA
FMD-45S	2 ~ 5	130	955	670	300	730	630	400	0,06	13	360	2 ~ 5	12	8 ~ 12	20 ~ 25
FMD-65S	4 ~ 8	265	1185	820	370	910	770	500	0,1	20	360	5 ~ 15	12	20 ~ 25	20 ~ 30
FMD-100S	6 ~ 10	430	1560	980	480	1100	995	600	0,2	30	360	5 ~ 15	12	25 ~ 30	23 ~ 32
FMD-120S	10 ~ 14	695	1685	1150	510	1265	1115	700	0,32	33	360	5 ~ 15	12	30 ~ 40	32
FMD-140S	12 ~ 16	875	1870	1205	555	1385	1170	800	0,4	40	360	10 ~ 20	12	40 ~ 50	32
FMD-180S	15 ~ 21	1040	1870	1216	566	1402	1178	900	0,45	60	360	15 ~ 25	12	50 ~ 60	32
FMD-210S	20 ~ 25	1285	1930	1260	600	1412	1255	1000	0,6	70	360	15 ~ 25	12	80 ~ 100	32
FMD-290S	25 ~ 30	1855	2260	1480	690	1685	1500	1200	1	90	360	50 ~ 60	12	100 ~ 120	32
FMD-410S	31 ~ 42	2800	2500	1745	765	1970	1670	1400	1,4	120	360	60 ~ 70	12	100 ~ 120	32
FMD-610S	43 ~ 61	3820	3000	1980	875	2255	1955	1500	2,2	140	360	60 ~ 70	12	120 ~ 140	32

## FMD KITS

### Optional kits for every need

The demolition and sorting grab "D version" is also available from FMD-65 to FMD-610 with ribbed shells.

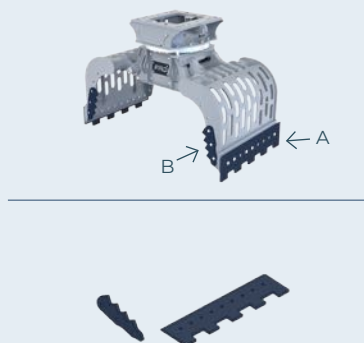
Please contact us for advice.



Picture: D version

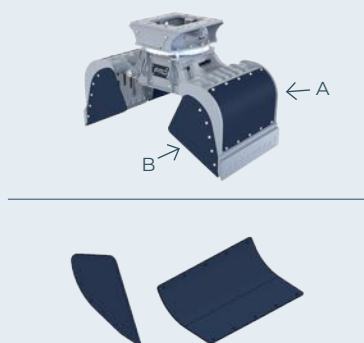
#### Kit 1

The toothed screw-on blades (A) and the serrated gripper teeth (B) can be attached optionally using bolts and nuts. They are ideal for handling large blocks and stones. This optional accessory is available as a kit or individually for sizes FMD-140 to FMD-290.



#### Kit 2

The loading plates (A) for the perforated rear plates and the side loading plates (B) can be optionally attached using bolts and nuts. They are ideal for loading fine-grained material such as sand and loose soil. This optional accessory is available as a kit or individually for sizes FMD-140S to FMD-290S.



Picture: VS -30E and FMD-410S



Authorized distributor:



1/2025-EN ATTACHMENTS | FRD ©

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Proostwetering 29 | 3543 AB Utrecht | The Netherlands

T +31 (0) 30 2412277 | E [info@frd.eu](mailto:info@frd.eu) | [www.frd.eu](http://www.frd.eu)