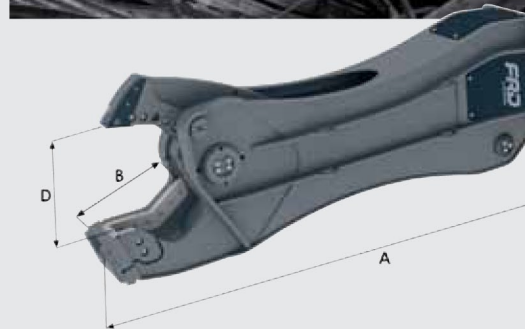
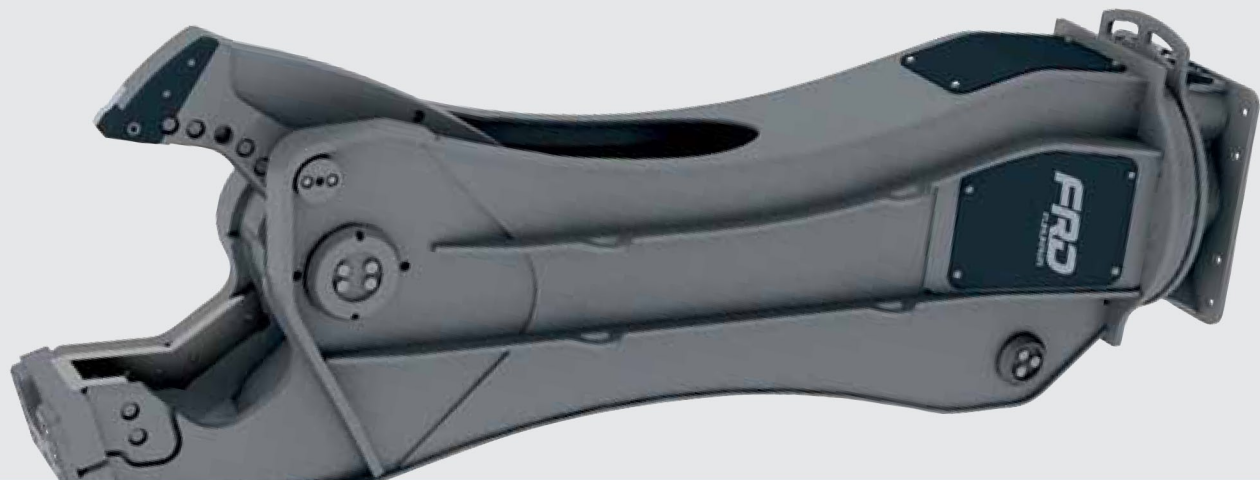


FRD SCRAP SHEAR

FRD SCRAP SHEAR - VR SERIES -



		VR4 ER	VR7 ER	VR15 ER	VR18 ER	VR26 ER	VR42 ER	VR56 ER	VR76 ER	VR90 ER
A	mm	1855	2080	2495	2755	3225	3935	4490	4960	5620
B	mm	295	285	340	380	475	570	712	810	850
D	mm	350	415	420	470	585	675	840	880	985
F1	kN	1250	2100	2500	5000	5600	6000	7000	8150	10800
F2	kN	320	600	800	1150	1350	1800	2100	2300	3150
Round material	mm	30	40	50	60	70	85	110	130	140
IPE-Profile	mm	80	120	240	300	420	480	540	620	700
H-Profile	mm		100	160	200	260	320	360	420	500
Oil flow (rotation)	l/min	10	30	30	30	50	50	50	50	50
Working pressure (rotation)	bar	120	120	120	120	120	120	120	120	120
Rotation		360°	360°	360°	360°	360°	360°	360°	360°	360°
Oil flow	l/min	70 - 110	90 - 140	150 - 250	200 - 300	280 - 350	350 - 500	400 - 600	500 - 800	600 - 1000
Working pressure	bar	250	350	350	350	350	350	350	350	350
Operating Weight	kg	435	770	1450	1890	2685	4165	5600	7650	9000
Excavator (boom top)	t	2,5 - 8	5 - 13	9 - 19	12 - 30	23 - 38	30 - 55	35 - 60	45 - 100	55 - 110
Excavator (stick)	t	5 - 8	8 - 13	14 - 19	20 - 30	26 - 38	39 - 55	50 - 60	75 - 100	90 - 110

Specifications may change without prior notice by the manufacturer.

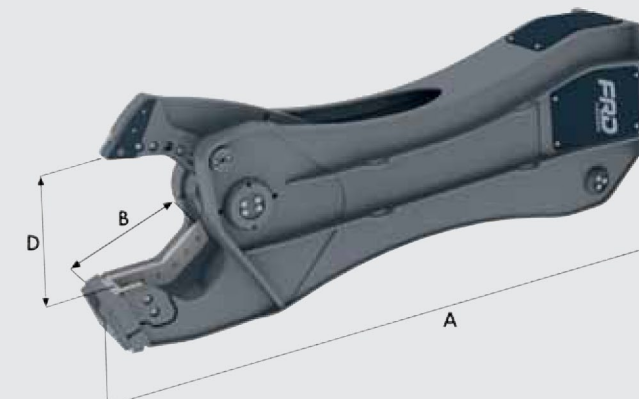
FRD scrap shears are used for demolition of complete steel constructions as well as for reducing on the ground in foundries, garbage dumps, waste recycling. They can be attached to excavators from 2,5 to 110 tonnes operating weight on the stick or boom top. These Hardox 400 devices are manufactured in FRD quality, which means that safety and reliability is promised even in the toughest applications. The ER series is equipped with a hydraulic rotation for precise positioning. The EF series - without rotation - is optimized for use on the ground. As a standard, all models are equipped with speed valves for fast working cycles. They have blades with a trapezoidal profile for improving the cutting line and with an innovative adjuster used on the jaw, which allows clearance without manual intervention. The FRD scrap shears are therefore extremely flexible and well equipped for all requirements.



MAXIMUM DURABILITY

- Extremely stable housing with low weight
- Speed valve for quick and efficient work
- Blade with trapezoidal profile improves the cutting line
- Innovative adjuster on the jaw
- Replaceable wear parts

**FRD SILENT DEMOLITION TOOL:
HIGH RELIABILITY AND LOW MAINTENANCE**



		VR42 EF	VR56 EF	VR76 EF	VR90 EF
A	mm	3500	4045	4200	4850
B	mm	570	712	810	850
D	mm	675	840	880	985
Round material	mm	85	110	130	140
IPE-Profile	mm	480	540	620	700
H-Profile	mm	320	360	420	500
Oil flow	l/min	350 - 500	400 - 600	500 - 800	600 - 1000
Working pressure	bar	350	350	350	350
Operating Weight	kg	3500	4800	6250	7700
Excavator (boom top)	t	25 - 50	30 - 60	40 - 100	45 - 110
Excavator (stick)	t	36 - 50	46 - 60	65 - 100	75 - 110

Specifications may change without prior notice by the manufacturer.