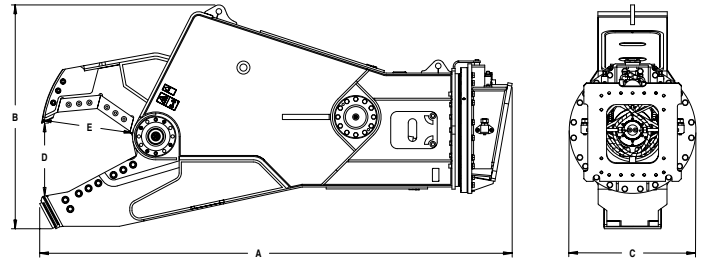




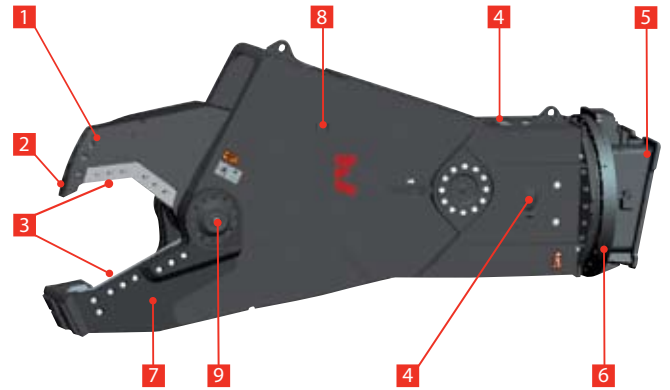
Verachttert's new line of small mobile scrap and demolition shears VHS/3-series for hydraulic excavators add strength and dramatically increase processing time. The robust shear and knife design improves cutting performance and the hardened piercing tip of the upper jaw maximizes productivity when piercing is required. All VHS-shear models are equipped with field proven 360° rotators ensuring a quick and precise placement of the jaws in an optimum cutting position without moving the excavator. The high force-to-weight ratio enhances faster cycle times, resulting in more cuts per hour. The new shears are designed with the customer's bottom line in mind, and offer several structural reinforcements to better distribute the shear's cutting forces. Thanks to a unique jaw design and bigger jaw opening the shears offer more strength, especially at cutting profiles. The VHS/3 jaw update incorporates a set of

durable cutting knives that cut structures like beams, reinforcement steel, cars, trains and boats, to name just a few. The design includes wear plates and prevents jamming of thin plate material while the cutting knives can easily be reversed and exchanged. The line of VHS/3 series fit excavators from 15-ton to those in excess of 60-ton operating weight. The shears can be mounted on either the boom or stick, and caters to all needs for scrap-processing- and demolition applications. The VHS/3-series are manufactured from alloy steel with superior yield and tensile strength. These qualities contribute to a longer overall shear life ■



Features and benefits VHS/3

- 1 Powerful cutting performance combined with fast opening and closing times
- 2 Hardened piercing tip
- 3 Reversible knives for prolonged use
- 4 Large access panels for ease of service
- 5 Mounting bracket for stick and boom extends application possibilities
- 6 360° rotation left and right for maximum efficiency
- 7 Straight lower jaw design to better distribute cutting forces
- 8 Jaw service lock for safe and ease of maintenance
- 9 Adjustable hub



Specifications VHS/3	VHS-10	VHS-30/3	VHS-40/3	VHS-50/3
Carrier weight - stick (ton)	5 - 7,5	15 - 25	25 - 35	35 - 60
Carrier weight - boom (ton)	4 - 5	10 - 15	15 - 25	25 - 35
Weight (kg)*	540	1925	2745	4050
Closing power	175	380	590	730
Dimension (A) (mm)	1900	2790	3180	3640
Dimension (B) (mm)	680	1340	1525	1720
Dimension (C) (mm)	390	792	792	975
Dimension (D) (mm)	240	410	530	560
Dimension (E) (mm)	290	460	570	700
Maximum working pressure opening/closing (bar)	250	350	350	350
Maximum working pressure rotation (bar)	100	140	140	140
Optimal oil debit opening/closing (l/min)	60	150	200	300
Optimal oil debit rotation (l/min)	20	40	40	40
Opening time jaw (sec)	3,5	4	5	5
Closing time jaw (sec)	2,5	2	3	3

Cutting Guide VHS/3	VHS-10	VHS-30/3	VHS-40/3	VHS-50/3
I beams	IPN 200	IPE 360	IPE 400	IPE 450
Height (mm)	200	360	400	450
Flange Width (mm)	100	170	180	190
Web Thickness (mm)	5,6	8	8,6	9,4
Flange Thickness (mm)	8,5	12,7	13,5	14,6
Columns	HE 120 A	HP 200 x 53	HE 240 B	HE 300 B
Height (mm)	114	204	240	300
Flange Width (mm)	120	207	240	300
Web Thickness (mm)	5	11,3	10	11
Flange Thickness (mm)	8	11,3	17	19
Round Diameter (mm)	51	90	100	115
Square Width (mm)	40	65	90	90
Pipe	DN 200	DN 300	DN 350	DN 400
A Diameter (mm)	220	325	356	406
B Wall Thickness (mm)	8	10	11	13
Piercing Thickness (mm)	10	16	19	22

*Weight excludes mounting bracket. All steel A36 equivalent. The profiles above provide an approximation of shear cutting capabilities. Cutting capacities shown are based on material made of mild steel, HEX operating pressure of 350 bar, and shear knives in good condition. Lower operating pressures, dull knife edges, and harder steel will reduce cutting capacities.

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