



## Blades design

All the blades can be turned three times before replacement and are specifically shaped to **improve cutting performances**. The piercing tip and the frontal blade improve perforation capabilities.



## Double Cutting Guide

Jaws alignment is vital to ensure the maximum cutting power. Two different adjustable guides allow the operator to **check and fine-tune the alignment** over time with a simple operation. In addition, the **adjustment kit on the central pin** facilitates pin removal and maintenance.





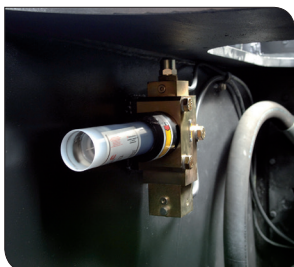
### Jaw design

The SH jaws are designed to work in combination and maximize cutting performances. The fixed jaw tilts the materials while the mobile jaw delivers the **full cutting power on a reduced surface**.



### Forged Reversed Cylinders

The extremely powerful SH cylinder are reversed to improve rod protection and enable the "naked design" to save weight. The cylinder rod is forged to maximize **robustness and functionality**.



### Auto Lube System

Shears above 7 tons are equipped with the patented **Manto-Autolube system**, an automatic greasing pump that ensures the **correct lubrication** of the important moving parts.



### Rotating Group

The sturdy rotation grants **precise tool positioning** while the anticavitation valve increases operational safety.



### Speed-Valve

The speed valve reduces opening and closing time boosting productivity.



<b>SH25R</b>	Excavator Weight	SH bucket place	5-7 t
		SH stick place	2-4 t
	Tool Weight		380 kg



<b>SH50R</b>	Excavator Weight	SH bucket place	7-10 t
		SH stick place	4-6 t
	Tool Weight		650 kg



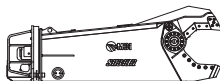
<b>SH100R</b>	Excavator Weight	SH bucket place	11-13 t
		SH stick place	7-10 t
	Tool Weight		1100 kg



<b>SH130R</b>	Excavator Weight	SH bucket place	13-17 t
		SH stick place	8-12 t
	Tool Weight		1220 kg



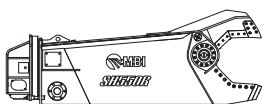
<b>SH180R</b>	Excavator Weight	SH bucket place	18-25 t
		SH stick place	14-18 t
	Tool Weight		2100 kg



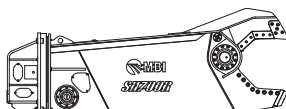
<b>SH310R</b>	Excavator Weight	SH bucket place	30-40 t
		SH stick place	20-28 t
	Tool Weight		3300 kg



<b>SH410R</b>	Excavator Weight	SH bucket place	45-55 t
		SH stick place	28-39 t
	Tool Weight		4700 kg



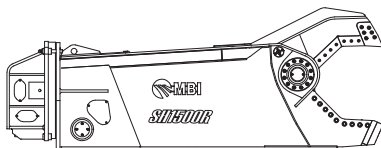
<b>SH550R</b>	Excavator Weight	SH bucket place	55-65 t
		SH stick place	39-45 t
	Tool Weight		5750 kg



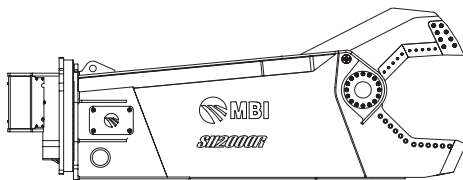
<b>SH700R</b>	Excavator Weight	SH bucket place	75-85 t
		SH stick place	45-60 t
	Tool Weight		7700 kg



<b>SH900R</b>	Excavator Weight	SH bucket place	90-110 t
		SH stick place	60-80 t
	Tool Weight		10100 kg

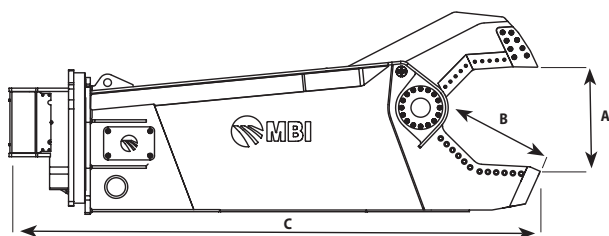


<b>SH1500R</b>	Excavator Weight	SH bucket place	110-170 t
		SH stick place	80-110 t
	Tool Weight		15000 kg



<b>SH2000R</b>	Excavator Weight	SH bucket place	170-200 t
		SH stick place	110-150 t
	Tool Weight		21000 kg





## DIMENSIONS

		BT.SHmini.07		BT.SH.10			
MODEL		HYDRAULIC ROTATION 360°					
		SH25R	SH50R	SH100R	SH130R	SH180R	SH310R
A	mm	195	290	375	375	445	565
B	mm	200	290	395	395	525	630
C	mm	1350	1900	2000	2100	2700	3300

## TECHNICAL DATA

MODEL		HYDRAULIC ROTATION 360°					
		SH25R	SH50R	SH100R	SH130R	SH180R	SH310R
Excavator Weight with SH bucket place	t	5-7	7-10	11-13	13-17	18-25	30-40
Excavator weight with SH stick place	t	2-4	4-6	7-10	8-12	14-18	20-28
Tool weight *	kg	380	650	1100	1220	2100	3300
Hydraulic working pressure	bar	200-250	250-300	250-300	250-300	320-350	320-350
Oil Flow	l/min	60-100	80-100	90-110	90-110	150-200	200-250
Max hydraulic motor oil pressure	bar	190-200	90-100	190-200	90-100	130-150	100-115
Max motor oil flow	l/min	10-15	15-20	10-15	30-40	30-40	30-40
Speedvalve		○	○	●	●	●	●
Automatic greasing system		○	○	○	○	○	○

We are constantly improving our products and therefore we reserve the right to change the design and technical specifications without prior notice.



BT.SH1500.03

BT.SH2000.02

HYDRAULIC ROTATION 360°

SH410R	SH550R	SH700R	SH900R	SH1500R	SH2000R
670	760	830	940	1100	1200
720	780	840	950	1100	1200
3700	3950	4300	4600	5200	6000

HYDRAULIC ROTATION 360°

SH410R	SH550R	SH700R	SH900R	SH1500R	SH2000R
45-55	55-65	75-85	90-110	110-170	170-200
28-39	39-45	45-60	60-80	80-110	110-150
4700	5750	7700	10100	14500	21000
320-350	320-350	320-350	320-350	320-350	320-350
250-300	275-375	500-600	600-700	700-1000	700-1000
100-115	100-115	140-150	170-190	170-200	170-200
30-40	30-40	50-60	55-65	140-150	140-150
●	●	●	●	●	●
○	○	●	●	●	●

\* Tool weight does include Mantovanibenne top bracket.

○ Not available

● Available

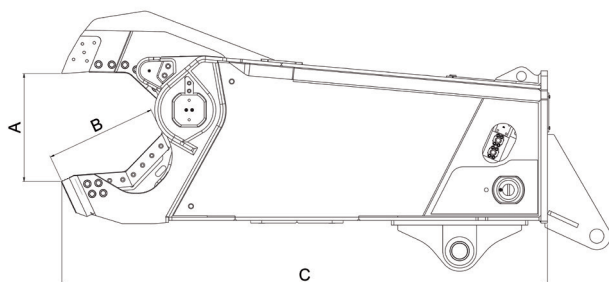
# SH-F

## FIXED SHEARS LINE



When **power** is more important than maneuverability, a shear without rotation can be the right choice.

The fixed version is **sensibly lighter and shorter** compared to the equivalent rotating model, hence the same excavator can carry a bigger and more powerful shear.



## DIMENSIONS

BT.SHSR.07

MODEL		WITHOUT ROTATION							
		SH310F	SH410F	SH100RF	SH550F	SH700F	SH900F	SH1500F	SH2000F
A	mm	565	670	760	830	445	940	1100	1200
B	mm	630	720	780	840	525	950	1100	1200
C	mm	2850	3200	3500	2100	3730	4070	4400	5400