

# HYDRA RAM<sup>®</sup>

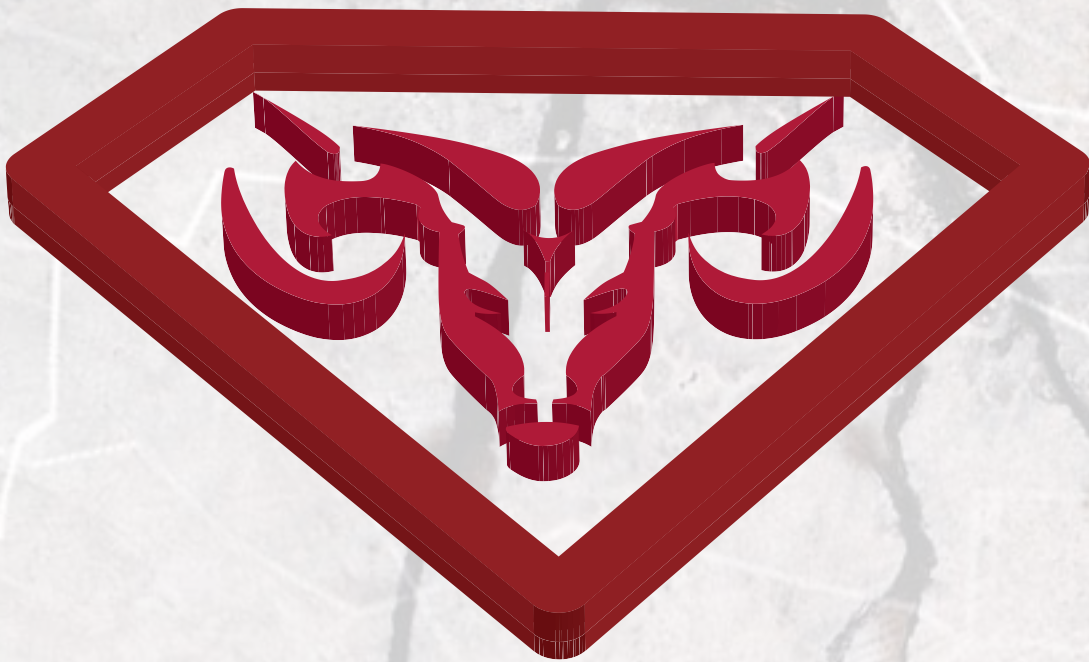
DEMOLITION & RECYCLING EQUIPMENT



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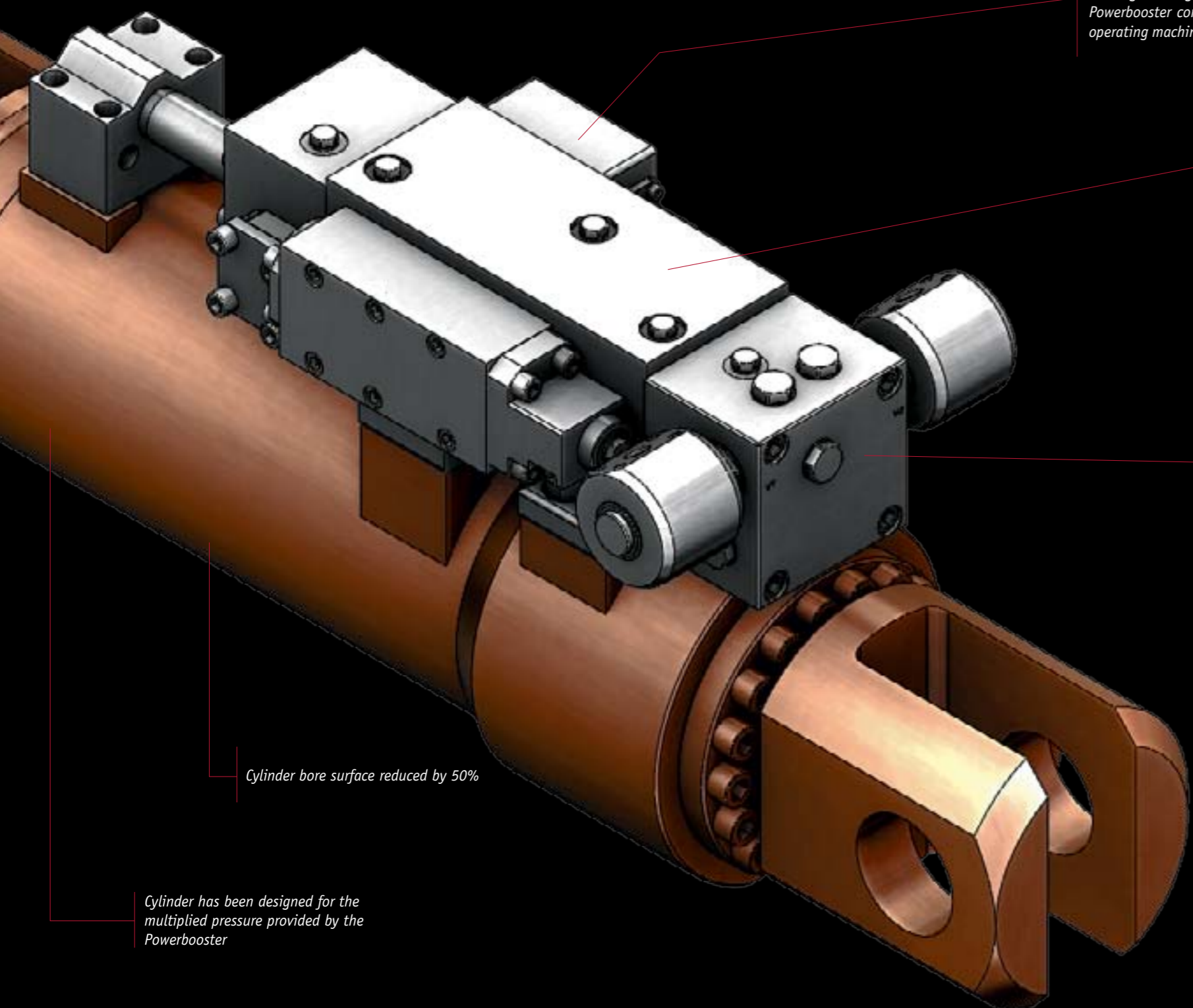


## POWERBOOSTER

*Series*



# POWERBOOSTER



## HOW DOES IT WORK?

Demolishing the material, if the pressure of the excavator is no longer enough to crack the material, automatically the Powerbooster comes into play boosting the pressure of the operating machine up to a cylinder peak pressure of 750 bar.

## WHAT IS THE POWERBOOSTER?

It is an integrated hydraulic device that allows you to multiply the power (i.e. the hydraulic pressure provided by the excavator).

## WHAT ARE THE ADVANTAGES?

Lower operating pressure and lower flow lead to:

- fuel consumption reduced by 20%
- lower environmental impact
- reduced cycle time, opening/closing in 3.5 seconds
- reduction in overall weight equipment
- increase power performance by 25%



Cylinder bore surface reduced by 50%

Cylinder has been designed for the multiplied pressure provided by the Powerbooster

## The Powerbooster-Series range contains:

- 2 models Concrete Crushers for excavators from 16 ~ 32 Tons
- 3 models Multiprocessors for excavators from 18 ~ 45 Tons
- 3 models rotating Pulverizers for excavators from 16 ~ 35 Tons
- 4 models fixed Pulverizers for excavators from 12 ~ 32 Tons

## Would you like to have?

- More or less power?
- Faster or slower cycle times?
- Higher or lower fuelcosts?

## The Powerbooster-Series will give you:

- 25% more power than conventional cylinders!
- 20% more speed than conventional cylinders!
- 20% lower fuelcosts!

**Convince yourself of the added value of our Powerbooster-Series!**

The Hydraram Powerbooster-Series is a new range of demolition equipment with the power multiplier device 'Powerbooster'. It's the result of months invested in research and development, bench test, hundreds of hours of testing on site. A concentrate of pure technology and power.

# HCC-Series



3

1

2



1

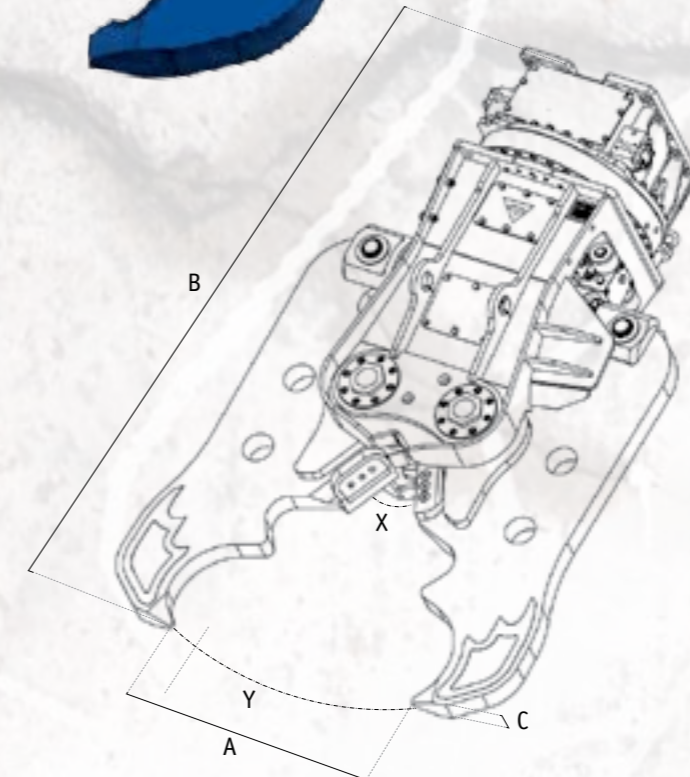
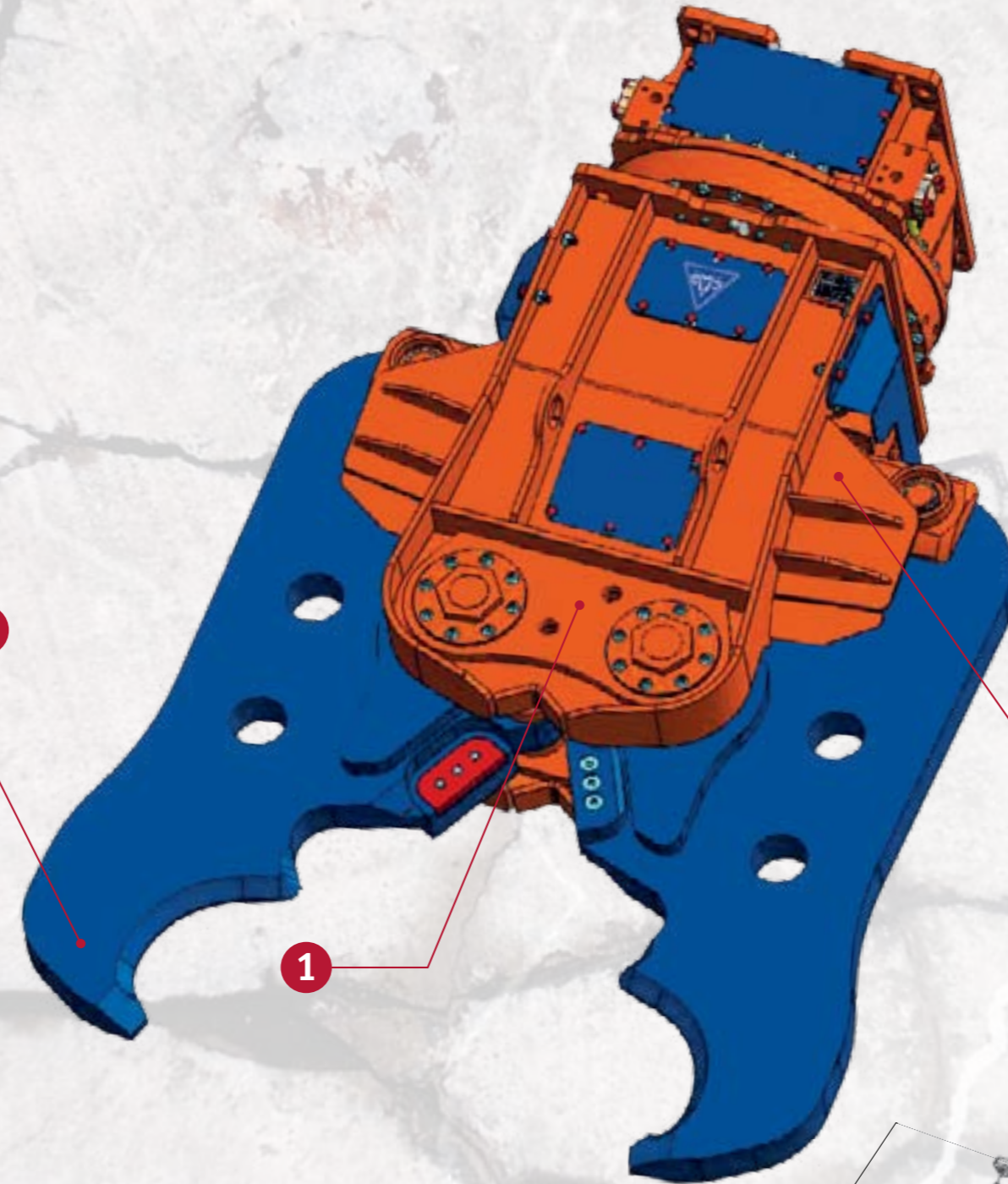
Synchronized linkage system allows simultaneous opening/closing of the jaws.

2

Conical shape shield to protect the cylinder rod during the demolition.

3

Special design high penetration jaws.



MODEL	<sup>(2)</sup>	<sup>(1)</sup>	<sup>(2)</sup>
	ton		
HCC-18P	15	25	16 23
HCC-24P	23	34	24 32
HCC 28P	31	42	33 40

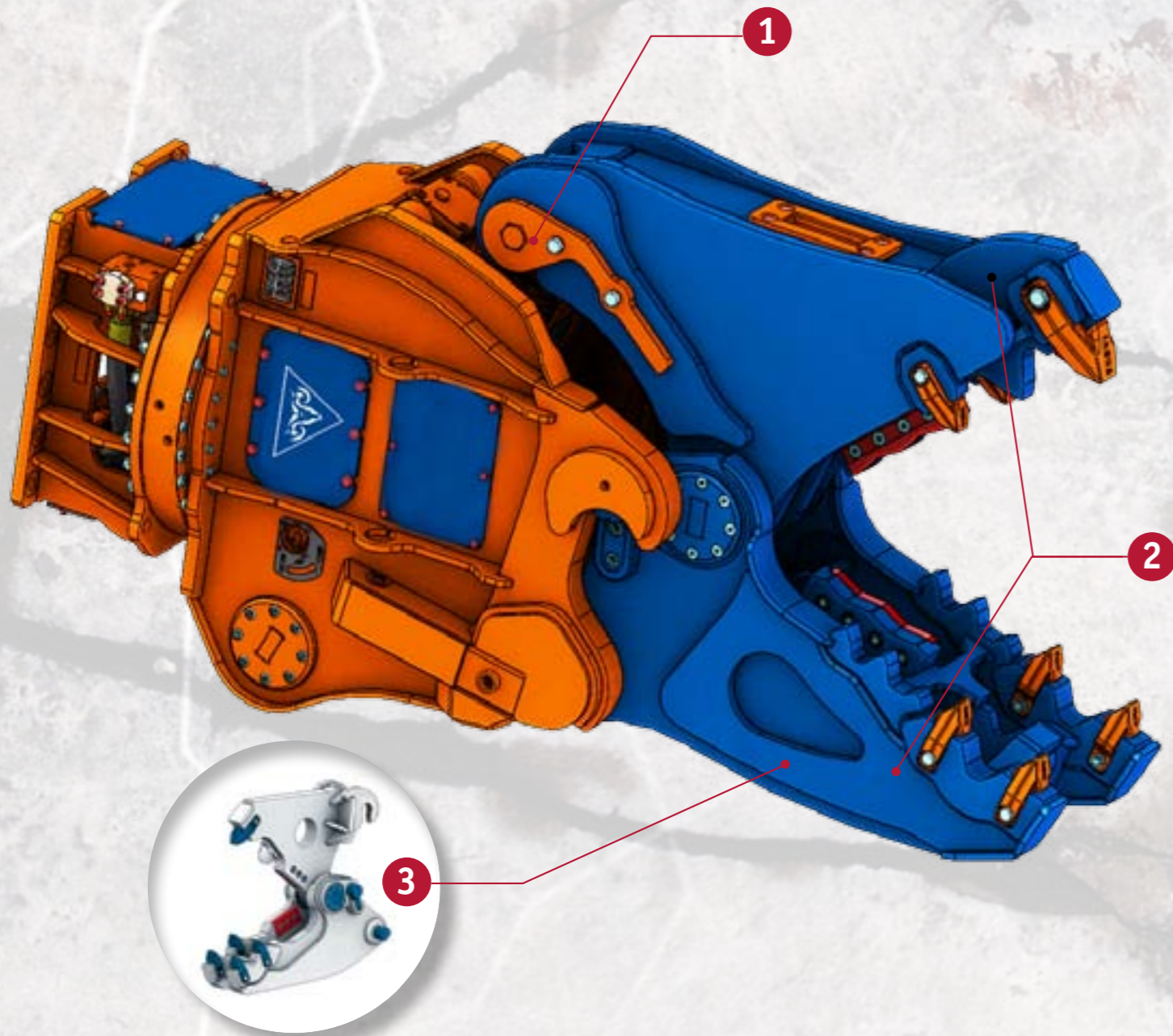
■ (1) Optimum excavator-equipment combination

■ (2) Possible excavator-equipment combination

		HCC-18P	HCC-24P	HCC-28P
kg	kg.	1770	2400	3090
A	mm.	850	1000	1115
B	mm.	2240	2360	2540
C	mm.	60	80	90
	mm.	150	180	210
X	t.	360	390	430
Y	t.	65	80	100
∅ max	mm.	35	45	50
	bar	250	250	250
	l/min.	130 / 200	180 / 250	230 / 300
	bar	140	140	140
	l/min.	10	10	10

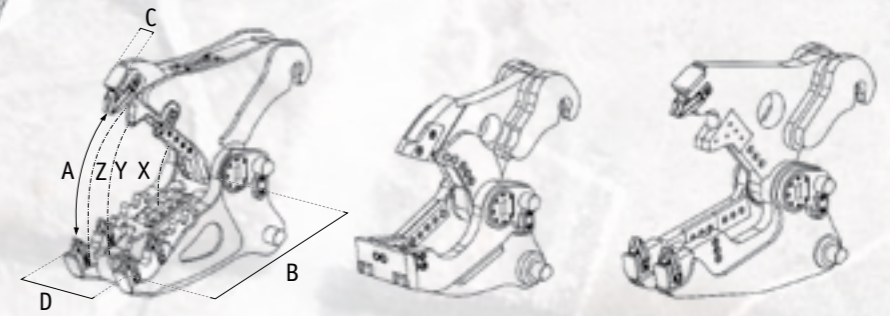
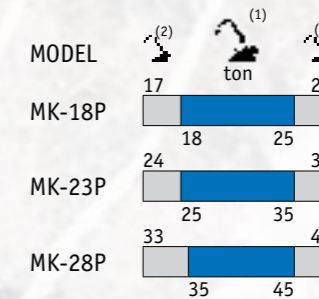
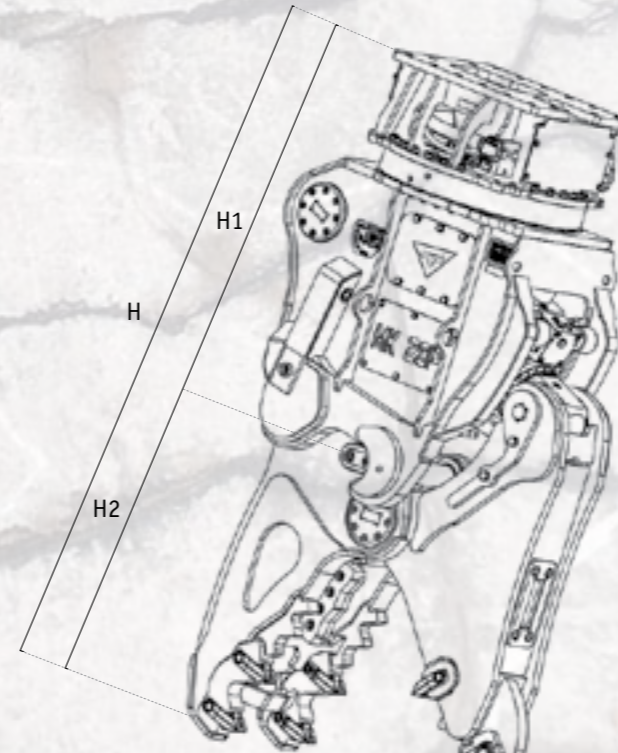
# MK-Series

**HYDRA RAM®**



		MK-18P	MK-23P	MK-28P
	kg.	1335	1520	2015
	H1** mm.	1270	1330	1385
	♀ bar	250	250	250
	l/min.	130 / 200	180 / 250	230 / 300
	♀ max bar	140	140	140
	♂ max l/min.	10	10	10

\*\*H = H1 + H2

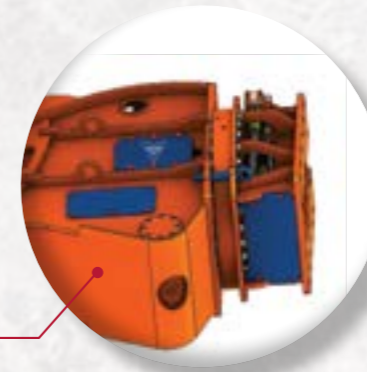


- 1** New IZI-Lock® system that allows you to replace the kit in only 3 minutes.
- 2** Increased overall performance of crushing power and speed given by the structural redesign.
- 3** Available with the new kit of primary demolition jaws.



		P-jaw			S-jaw			C-jaw/		
		MK 18P	MK 23P	MK 28P	MK 18P	MK 23P	MK 28P	MK 18P	MK 23P	MK 28P
	kg.	780	1000	1425	650	1020	1310	760	1185	1400
A	mm.	750	850	905	410	515	520	690	815	850
B	mm.	720	780	820	485	545	560	750	800	815
C	mm.	300	300	360	100	120	130	110	130	130
D	mm.	465	485	590	330	380	440	320	350	415
	mm.	220	260	260	470	510	565	420	480	500
H2**	mm.	950	1065	1145	785	910	965	1010	1145	1185
X	t.	255	260	340	510	610	815	480	620	710
Y	t.	120	155	155	210	280	325	130	160	175
Z	t.	80	105	120	115	150	165	80	105	120
∅ max	mm.	40	45	50	55	65	70	45	50	55

# HRP-Series



**1**

Increased strength of the frame and the movable jaw at the points of greatest wear.

**2**

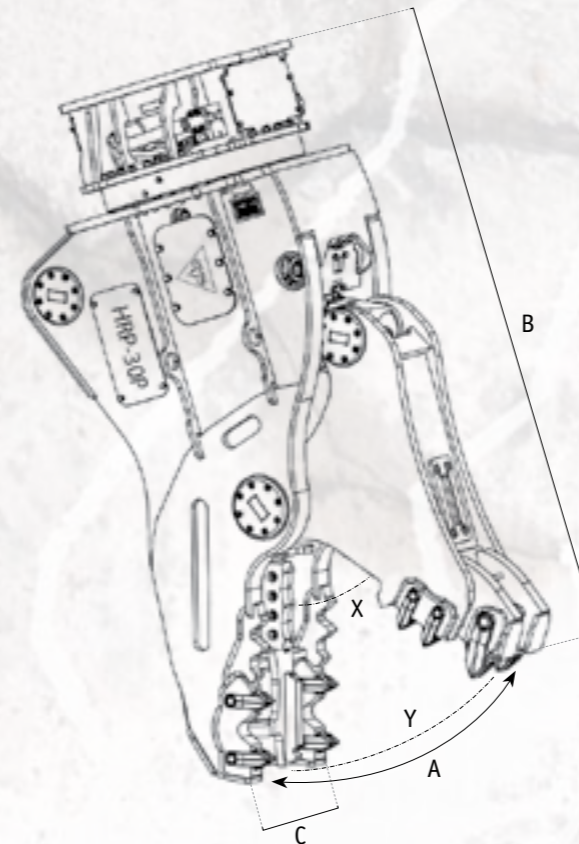
Closed back frame prevents material falling in during demolition.



**HARDOX**  
HYAR PLATE



**HARDOX**  
IN MY BODY



MODEL	(2)	(1)	(2)
	ton		
HRP-20P	15	23	16 21
HRP-25P	21	30	22 28
HRP-30P	28	38	29 35

(1) Optimum excavator-equipment combination  
 (2) Possible excavator-equipment combination

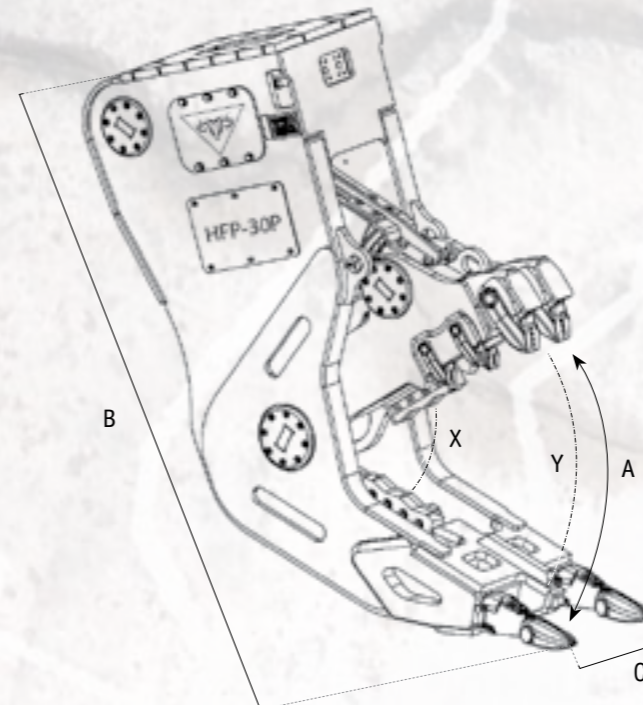
		HRP-20P	HRP-25P	HRP-30P
Weight	kg.	1970	2480	3120
A	mm.	755	890	930
B	mm.	2180	2410	2520
C	mm.	520	520	600
Wear plate	mm.	220	260	260
X	t.	245	250	260
Y	t.	90	105	120
Hydraulic bar	bar	250	250	250
Flow rate	l/min.	130 / 200	180 / 250	230 / 300
Max pressure	bar	140	140	140
Max flow rate	l/min.	10	10	10

# HFP-Series



**1**  
Two interchangeable frontal penetration teeth for secondary work on the ground.

**2**  
Increased strength of the frame and the movable jaw in the positions most subject to wear.



MODEL	(2)	(1)	(2)	ton
HFP-13P	12	13	17	19
HFP-21P	17	18	25	27
HFP-26P	22	23	28	30
HFP-30P	24	25	32	35

(1) Optimum excavator-equipment combination  
(2) Possible excavator-equipment combination

		HFP-13P	HFP-21P	HFP-26PR*	HFP-30P
kg	kg.	1300	2055	2520	2660
A	mm.	710	835	835	890
B	mm.	1740	1845	2215	1955
C	mm.	420	540	540	670
	mm.	220	260	260	260
X	t.	180	250	250	270
Y	t.	78	100	100	115
♀	bar	250	250	250	250
♂	l/min.	120/160	180 / 250	180 / 250	230 / 300
♀	max bar	/	/	140	/
♂	max l/min.	/	/	10	/

(\* ) Model equipped with continuous hydraulic 360° rotation

# HYDRARAM



MEMBER OF:



## UK Dealers:

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