

PROMOVE

DEMOLITION
Demolition equipment





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Heavy
range



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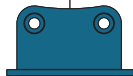
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Choosing your breaker

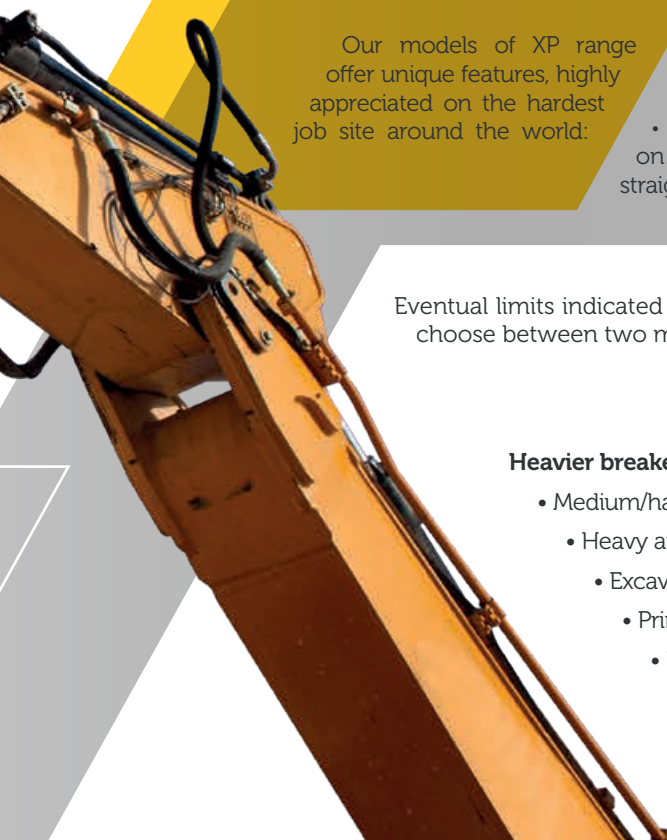
The right breaker/excavator matching is driven by some factors like carrier's weight and hydraulic flow, boom and stick configuration, main use of the equipment.

Promove team of experts is always available to provide information on best matching.

XP line

Hydraulic Breakers

Hydraulic breakers are today's most versatile working tool for excavators. It is the main actor in different applications when operating on hard ground, a must, when it comes to excavating foundations, demolition, trenching, quarrying, tunneling and road construction.



Our models of XP range offer unique features, highly appreciated on the hardest job site around the world:

- Combined power from gas and oil: hydraulic stability, rebound of the piston absorbed by gas results in low vibrations & low stress on hoses (lower pressure peaks).
- Outstanding performance to weight ratio.
- The high back pressure allowed (up to 25 bars) makes installation easy on every model of excavator, with no need to change the return line going straight to the tank and bypassing the filter and the cooler.

Eventual limits indicated by carrier's manufacturer are always binding. It is generally possible to choose between two models: heavier or lighter.

Heavier breakers recommended for:

- Medium/hard rock breaking
- Heavy and long-lasting applications
 - Excavators with monolithic boom
 - Primary breaking in quarrying
 - Frequent use

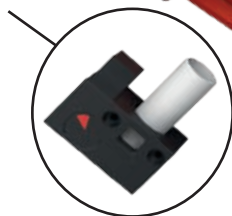
Lighter breakers recommended for:

- Concrete or soft rock breaking
- Non-heavy applications
- Excavators with three-piece arm
- Secondary breaking in quarrying
- Occasional use



Upper heavy-duty shock absorber
Reduced vibrations

Auto-greasing system
(Optional)



Impact energy valve
Impact & blow energy can be easily adjusted according to the hardness of the rock

Lower heavy-duty shock absorber
Reduced vibrations

Heavy-duty silenced casing
Operations in urban sites without restrictions

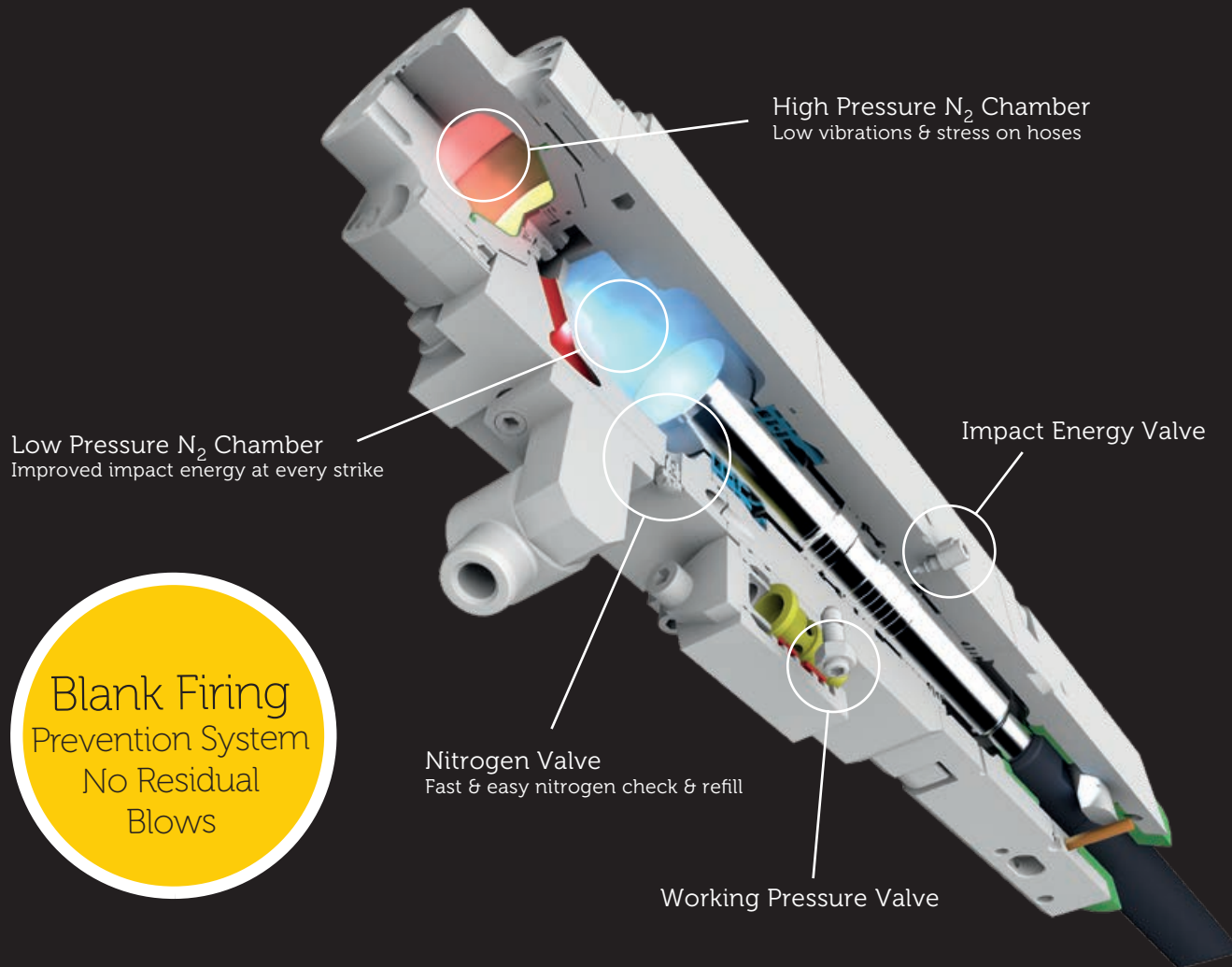
Hour meter (optional)
Ideal for:
- rental activities
- maintenance operations



Full Hardox 400
Bottom case protection

Large tools

Medium - Heavy Range





XP Medium Heavy Range

Technical specifications



Working Weight (lb)	15,210	9,650
Carrier Min / Max (lb)	154,300 / 285,000	99,200 / 176,400
Total Height (in)	165.40	149.60
Tool Diameter (in)	8.27	7.09
Useful Length (Std Tool) (in)	31.50	27.60
Working Pressure min / max (psi)	2,611 / 2,756	2,611 / 2,756
Blows per Minute min / max (1/min)	239 / 432	249 / 432
ENERGY CLASS (flb)	16,500	12,500

XP
7000

XP
4500



6,810	5,180	4,300	3,750	3,200	2,650	2,205	1,655	1,322
66,100 / 105,800	53,000 / 77,200	48,500 / 64,000	41,900 / 61,800	35,300 / 55,100	30,900 / 44,100	26,500 / 39,700	20,000 / 33,000	15,400 / 28,600
137.80	126.00	118.10	106.30	102.40	98.40	90.60	88.60	76.00
6.30	5.91	5.71	5.31	5.12	4.72	4.33	3.94	3.50
27.20	27.00	26.60	26.40	22.40	21.70	21.70	20.50	19.50
2,611 / 2,756	2,611 / 2,756	2,611 / 2,756	2,466 / 2,611	2,466 / 2,611	2,393 / 2,538	2,393 / 2,538	2,393 / 2,538	1,885 / 2,175
233 / 576	307 / 523	307 / 523	371 / 932	332 / 593	339 / 718	339 / 718	538 / 720	370 / 550
9,700	6,000	5,500	4,100	3,800	3,400	3,000	2,700	1,450
xP 3100	xP 2400	xP 2000	xP 1700	xP 1500	xP 1200	xP 1000	xP 800	xP 600



Upper shock absorber
Avoiding damages to the arm of excavator

Blank Firing
Prevention System
No Residual
Blows

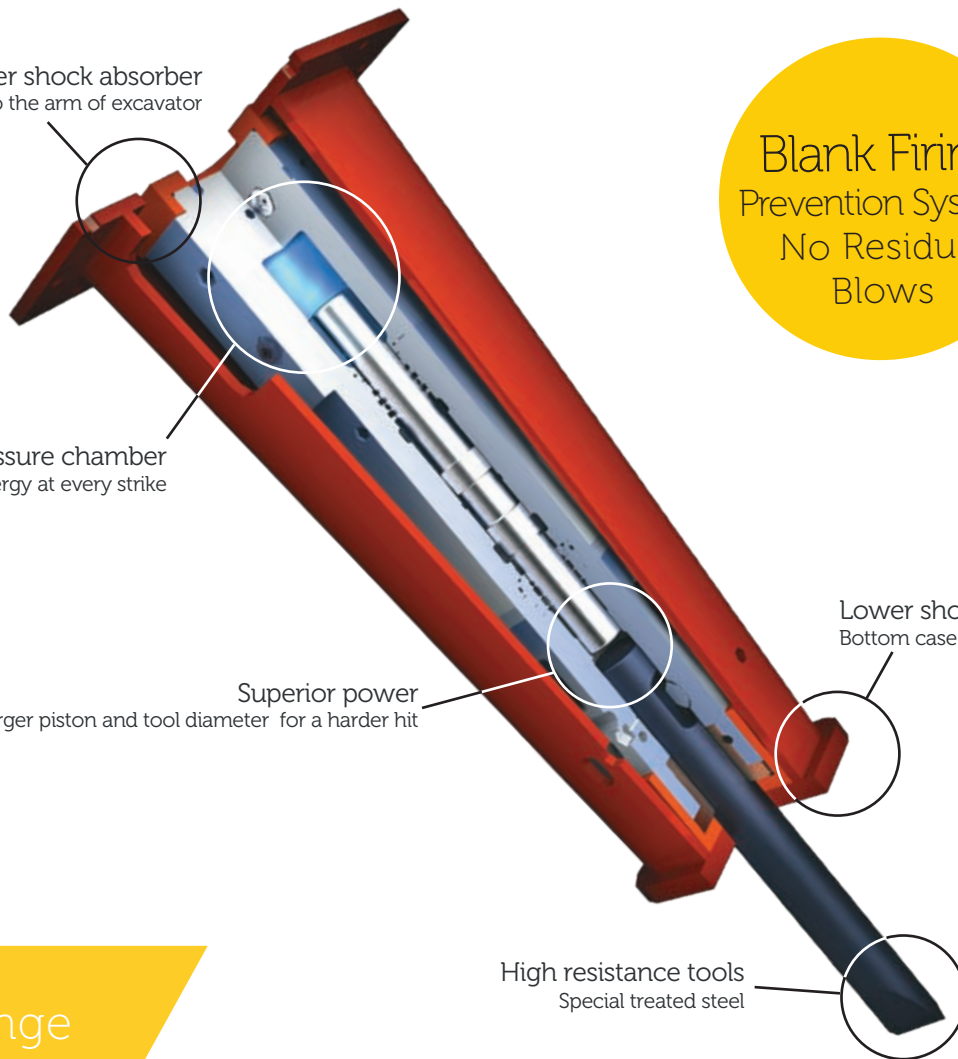
Low-pressure chamber
Improved impact energy at every strike

Superior power
Larger piston and tool diameter for a harder hit

Lower shock absorber
Bottom case protection

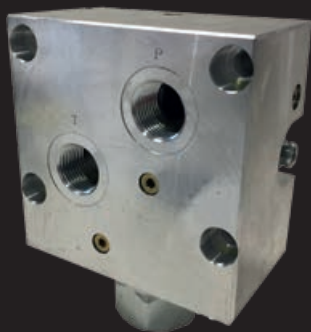
High resistance tools
Special treated steel

Light Range



NEW

SMART
VALVE
Plug & Play



No Initial Setup
Overflow & Pressure Peak Protection

Optional on Light Range only





XP Light Range

Technical specifications

Working Weight (lb)

Carrier Min / Max (lb)

Total Height (in)

Tool Diameter (in)

Useful Length (Std Tool) (in)

Working Pressure min / max (psi)

Blows per Minute min / max (1/min)

ENERGY CLASS (flb)



PB versions

feature two-sided casings with direct fit on the stick through pins & bushings.

950	660	510	353	220	187	132
12,000 / 22,000	8,800 / 20,000	5,500 / 11,500	4,000 / 8,800	2,200 / 5,500	1,760 / 4,000	1,300 / 3,500
63.80	57.10	54.60	49.60	43.20	41.30	37.80
3.15	3.15	2.50	2.20	1.65	1.65	1.50
15.40	15.00	14.40	11.00	10.60	10.60	9.40
1,740 / 2,030	1,595 / 1,885	1,595 / 1,885	1,740 / 1,885	1,450 / 1,595	1,595	1,450 / 1,595
521 / 595	552 / 663	552 / 663	731 / 1,024	526 / 838	526	633 / 950
1,100	700	650	350	250	150	130
xp 400	xp 300	xp 200	xp 150	xp 101	xp 70	xp 60















Sector

Application

Construction	Road construction
	Landscaping work
	Trench work/Foundations
	Tearing up concrete/asphalt
Demolition	Reinforced concrete
	Heavily reinforced concrete. Bridges, power stations & similar structures
	Masonry and not reinforced concrete
Quarrying	Primary breaking
	Secondary breaking/trenching. Foundation work/Bench levelling
Tunnelling	Tunnel driving
	Bench levelling
	Roof clearing
High temperature work	Breaking out ladles and moulds
	Removing encrustations
	Breaking up slag
Underwater applications	Demolition. Opening of channels

[illegible]



Material	Type	Detail	Chisel	Moil Point	Blunt Tool
Asphalt	Road surfaces	Soft			
Concrete	All	Reinforced			
	All	No-Reinforced			
	Recycling	---			
Light/Medium type rock (sedimentary) limestone, sandstone, etc.	Breaking oversizes	---			
	Trenching, foundation work, primary quarry breaking	Heavily Fissured			
		Lightly Fissured			
		Monolithic			
Medium/Hard type rock (Crystal- line) magma, granite, etc.	Breaking oversizes	---			
	Trenching, foundation work, primary quarry breaking	Heavily Fissured			
		Lightly Fissured			
		Monolithic			

Productivity (m³ in 8 hours)



Hard Rock,
Compact basalt,
Limestone.

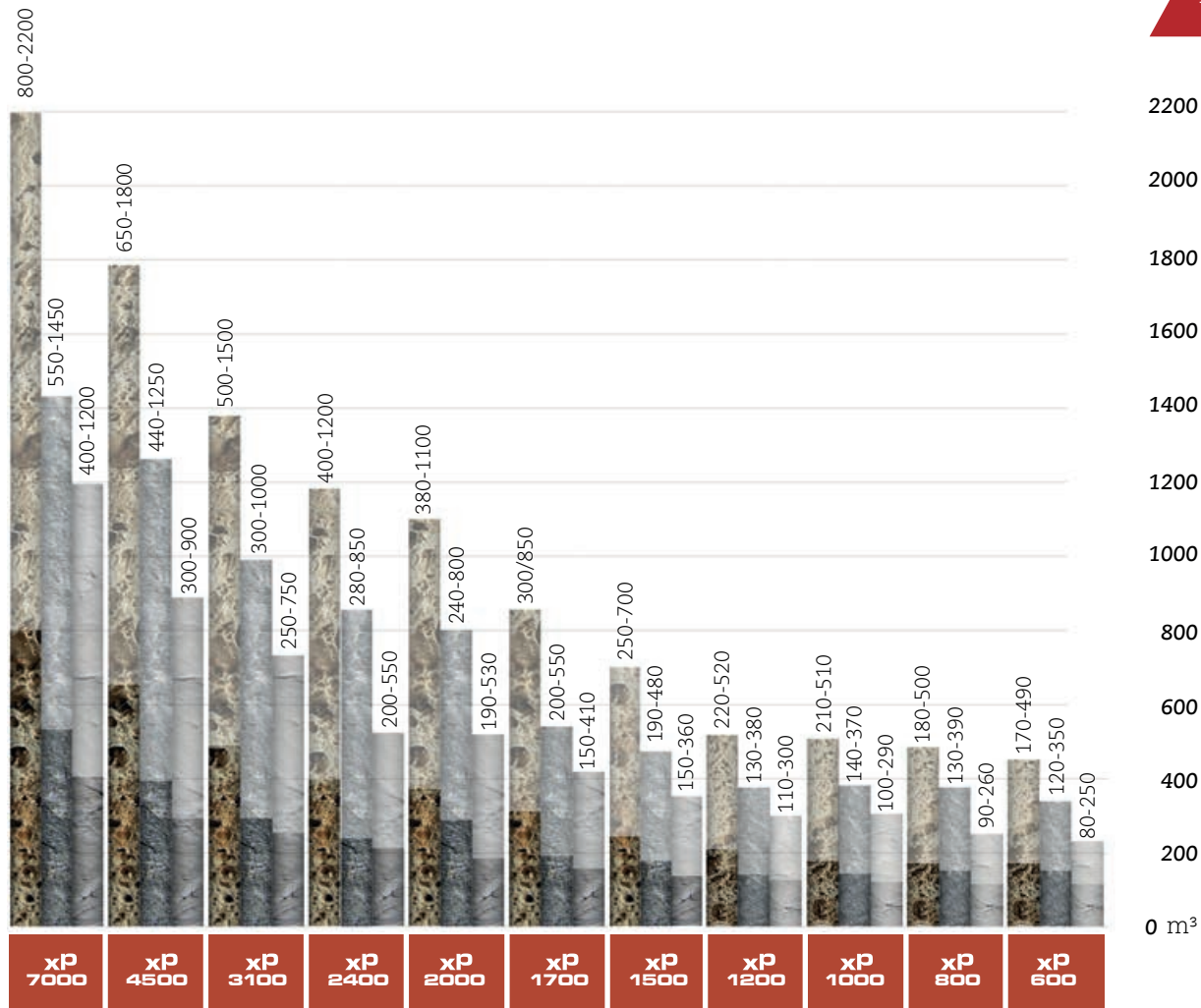


Medium-hard rock,
Slate,
Non-omogeneous
granite.



**Concrete non
reinforced,**
Stratified limestone,
Tuff.

*Non-binding data;
actual productivity is
also affected by external
factors like features and
set-up of the carrier
and driver's skill.*





Underwater

Promove breakers deliver excellent performance and reliability even in underwater applications. Promove provides specific kit for ports, docks, channels construction and any other applications where the breaker must work underwater. Connection to compressed air avoids the entrance of water and prevents breakage and corrosion of the breaker's main components. Air hose attachment is located at the top of the breaker in order to keep it protected against accidental hits due to lack of visibility of the immersed part.



Special Applications



High-temperature

Hydraulic breakers are more and more often used in steel factories where their application is cleaning ladles and moulds and to remove scale. To face these critical conditions XP hammers can be equipped with specific kit of sealings, bushings and chisels designed to work in hot environments.



Tunnelling

When it comes to tunneling, the working position with the chisel upward makes dust and rock splinters entering into the body of the breaker. This operation can cause big damages to piston, cylinder and bushings. To avoid it, Promove provides a specific protection kit made of harder bushings, closing pads for the tool retainers and special steel and floating nylon bushings to close as much as possible the tool/bushing space and limit dust getting in.





Blunt tool

Suitable for recycling, secondary demolition in the quarry, block reduction.



Asphalt-cutting tool

Suitable for asphalt cutting works, breaks of floors, walls, tile or tufa walls (it can be parallel or transversal oriented).



Pile-driving tool

Suitable for pile works or supporting columns for guard rails, etc.



Wood cutting tool

Suitable to fell trees or cut large-sized stocks.



Special tools



Adapting plate for CW (Verachtert-CAT) quick couplers.



Adapting plate for Volvo quick couplers.



Std. adapting plate or pin-grabbed quick couplers.

Adapting plates



e-breaker

Remote control, productivity analysis, predictive maintenance and geolocation.

Automatic Greasing System



Optional for Medium & Heavy Range
It increases productivity and avoids stopping for manual greasing.

PromoveLube

Hi-performance grease

Specific lubricant to protect your Promove breaker in the most severe conditions

Highly adhesive lubricant, based on special synthetic oil, thickened with complex aluminium soap. It contains synthetic polymers with high molecular weight and solid lubricants to ensure exceptional anti seizure and EP features.

Promove BreakerLube has high thermal stability, long service life and total protection from rust and corrosion, even in the presence of water jets or immersion.

Consistency is carefully balanced to guarantee prompt lubrication in cold-starts and harsh climates as well as total protection at high temperatures.

Synthetic base, specifically selected to enhance the oiliness, the affinity for metal surfaces and strength of the lubricant film even in the most hostile conditions.

Physical specifications have been specifically designed to perfectly match the Promove greasing systems (excavator-mounted electric pump or hammer-mounted hydraulic pump)



Grease



CP Line: Multi Processing Crusher

CP SERIES



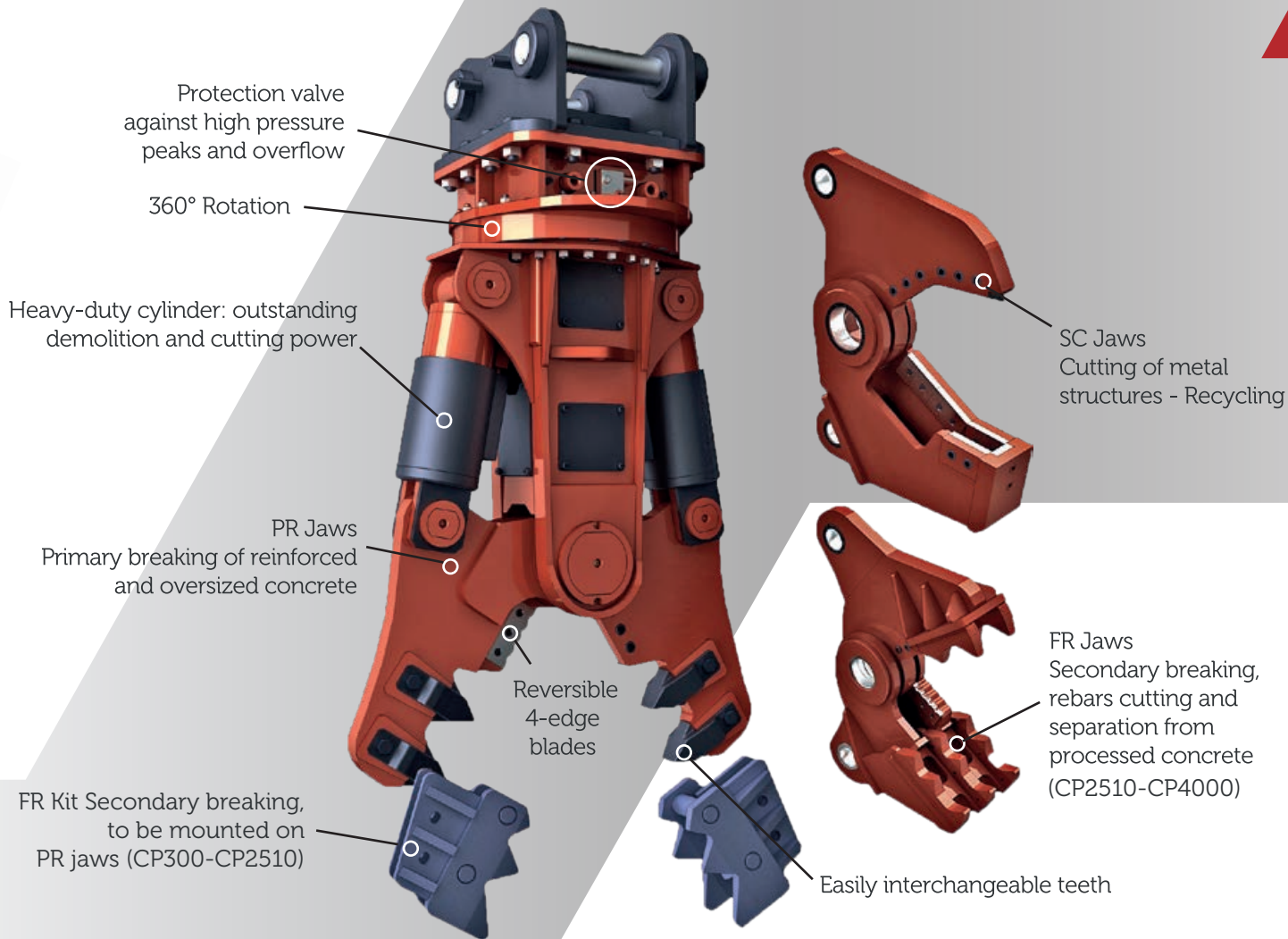
Multi-purpose CP range features a crusher body and interchangeable jaws for different job purposes:

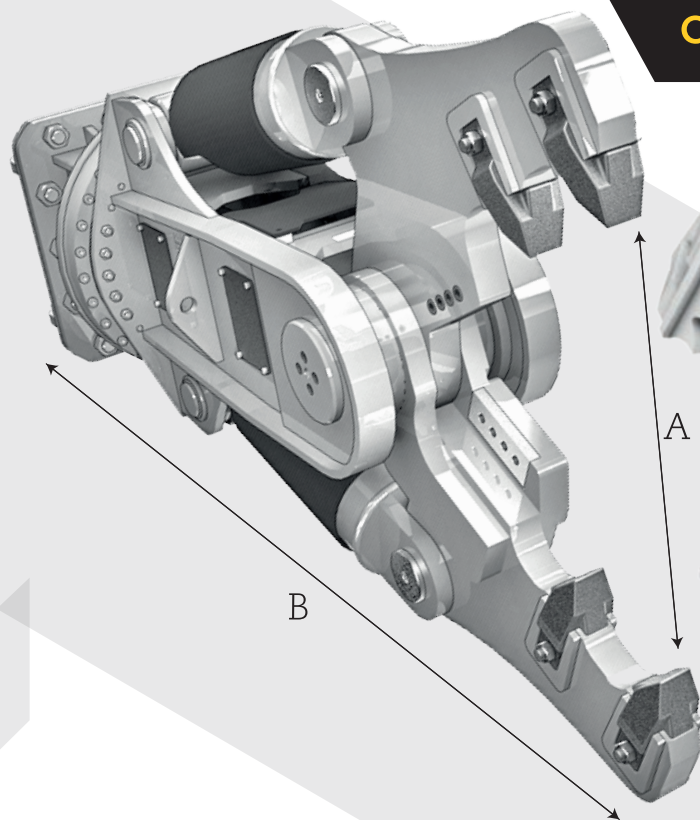
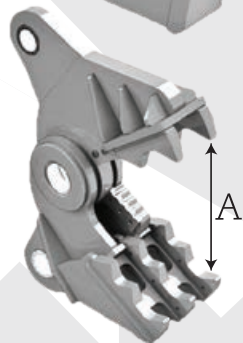
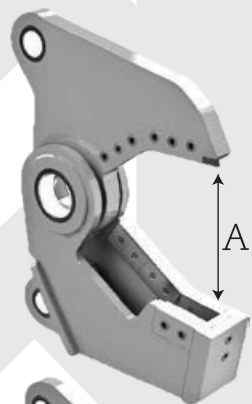
Primary breaking of reinforced and oversized concrete structures and pillars;

Secondary breaking, separation from processed concrete for easy recycling of materials;

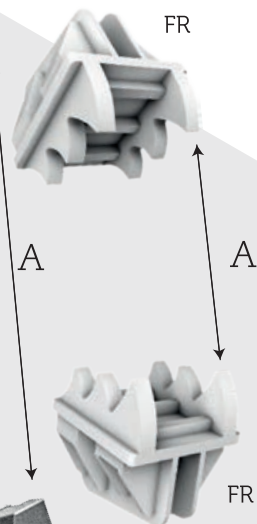
Cutting of metal structures.

MULTI-PROCESSING CRUSHERS








CP SERIES



NEW

Technical Specifications		CP300	CP600	CP1000	CP1510	CP2000	CP2510	CP4000
Working Weight	lb	838	1,367	2,205	3,307	4,410	5,512	8,708
Carrier Weight	lb	6,610 / 13,250	11,000 / 24,250	22,050 / 33,100	33,000 / 48,500	46,300 / 61,700	55,000 / 77,150	72,750 / 110,250
Cylinder Force	lb	48,5	74,95	110,25	167,5	198,4	253,5	242,5
Cylinders working pressure	psi	3,626	4,351	4,351	4,641	5,076	5,076	5,076
Cylinders oil flow min / max	US gpm	8 / 13	16 / 32	16 / 32	27 / 47	44.9 / 55.5	45 / 65	80 / 92
Rotation engine pressure	psi	1,16	1,45	1,45	1,45	1,45	1,45	1,74
Rotation oil flow Min Max	US gpm	0.5 / 0.8	2.6 / 3.1	2.6 / 3.1	2.6 / 3.1	2.6 / 3.1	2.6 / 3.9	10.5 / 13.2
Max Jaws opening (A) PR	in	16.93	22.83	24.41	28.35	32.10	34.65	49.13
SC	in	8.66	11.81	12.99	15.75	17.32	19.69	24.05
FR	in	-	-	-	-	-	29.53	41.02
FR Kit (to be mounted on PR jaws)	in	16.54	21.26	22.05	26.15	29.13	26.15	-
Total height (B)	in	43.3	65.7	59.1	70.9	87.80	104.3	102.4
Rotation 360°	in	Hydr. or Mech.	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic

Cutting Data profile SC Jaws								
	in	3.15	3.94	4.72	5.51	6.30	9.45	14.17
	in	2.36	2.76	3.94	4.72	5.51	7.09	10.24
	in	1.18	1.18	1.38	1.57	1.97	1.97	2.56

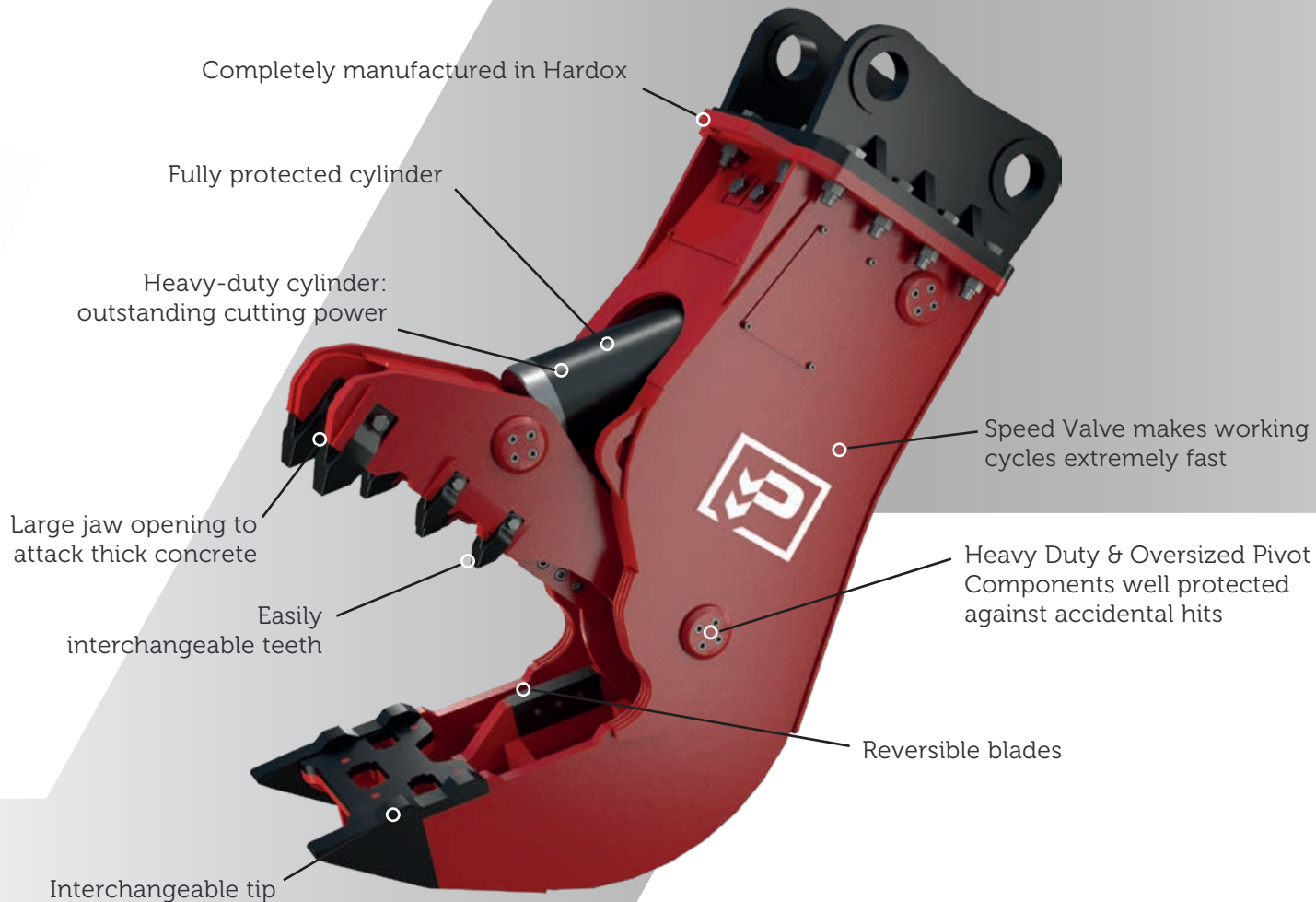


Fixed Pulverizers

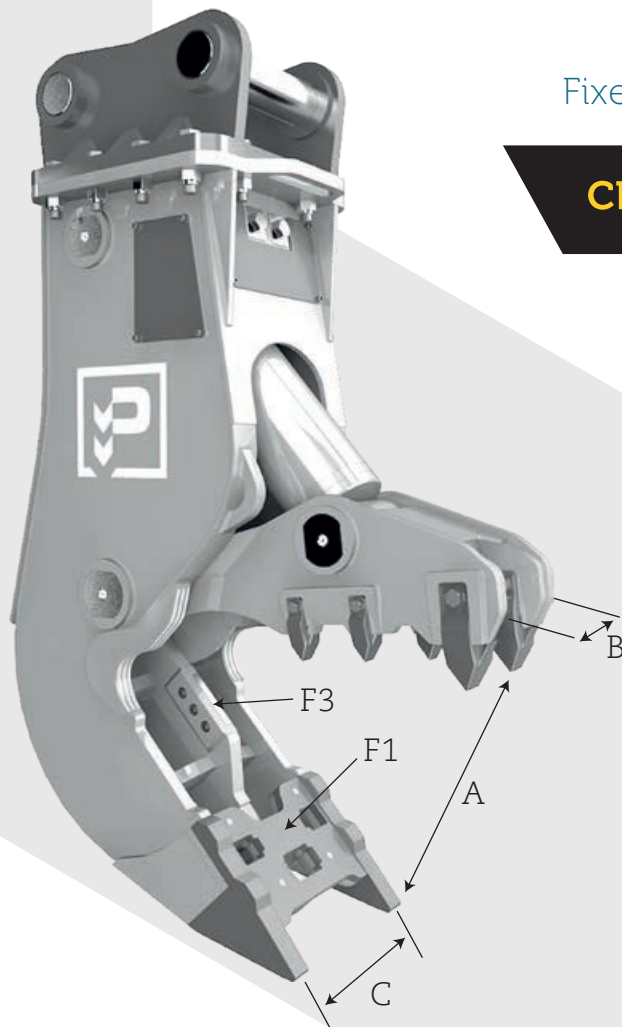
CF SERIES



FIXED PULVERIZERS



Models for excavators from 26,000 to 110,000 lb



Fixed Pulverizers

CF SERIES



Technical Specifications		CF130	CF200	CF240	CF280	CF350
Crusher weight	lb	2,826	4,581	5,337	6,384	7,910
Excavator Weight	lb	26,455 / 39,683	37,478 / 48,500	44,090 / 61,730	52,910 / 77,161	66,140 / 110,230
Max Jaws opening (A)	in	27.3	32.6	35.3	40	46.9
Jaws useful lenght	in	29.5	35.2	39.1	43.3	47.8
Jaws width (lower/upper) (C)	in	18 / 11.5	20.7 / 12.9	21.4 / 13.7	22.2 / 15	23.4 / 16
Closing Force at tip (F1)	lb	116,850	156,520	185,185	198,410	224,870
Closing force at blades (F3)	lb	354,941	467,375	515,876	601,856	764,996
Optimal oil flow (min/max)	gal/min	37 / 52.8	52.8 / 66	52.8 / 79.2	79.2 / 105.6	92.4 / 118.9
Working pressure	psi	5,076	5,076	5,076	5,076	5,076
Total height (B)	in	66.77	78.70	84.08	86.97	97.15

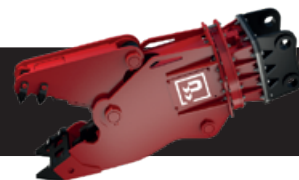


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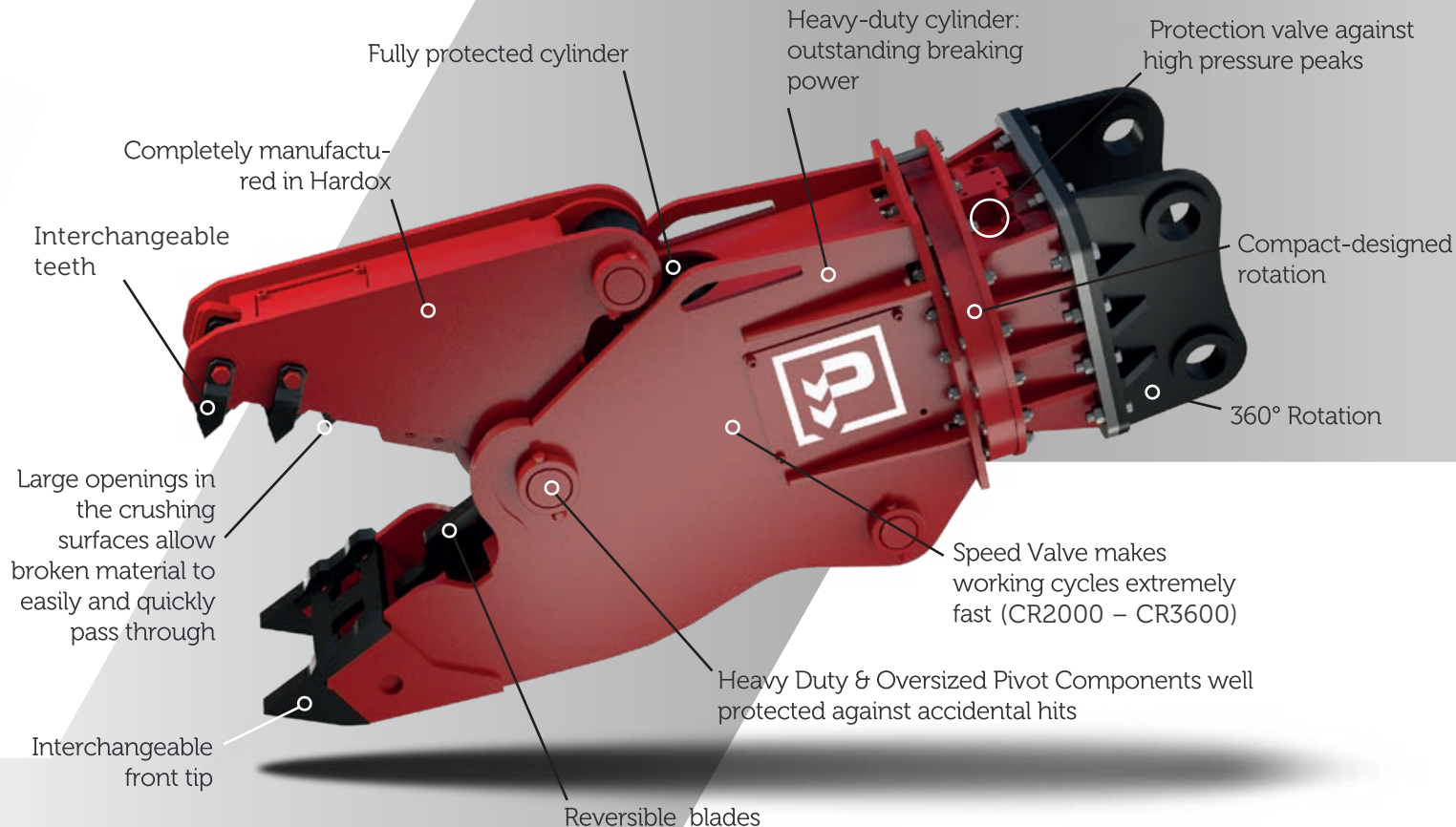
Rotating
Pulverizers

CR SERIES

NEW



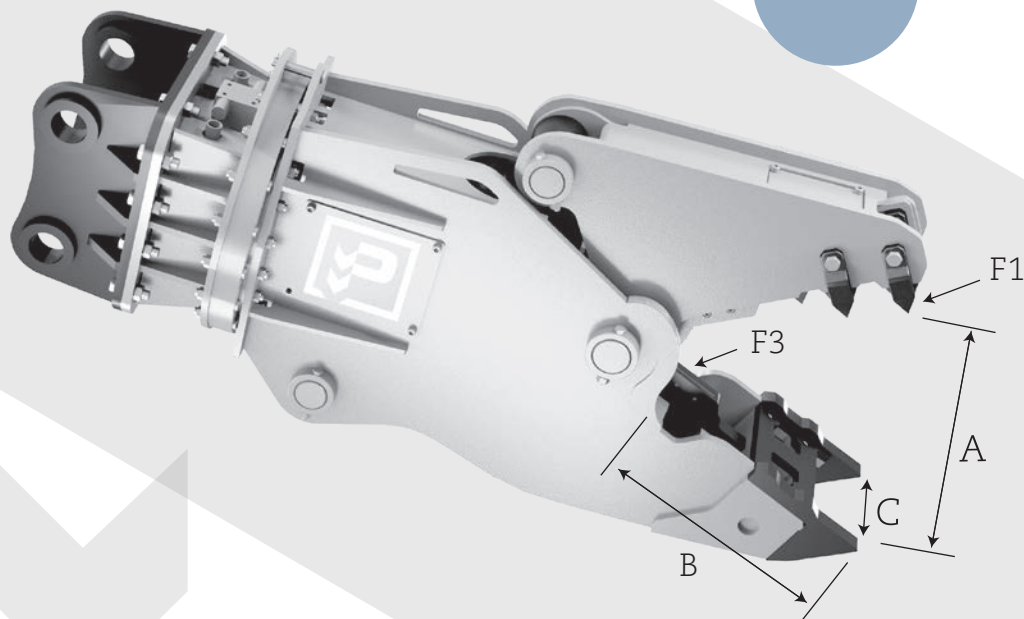
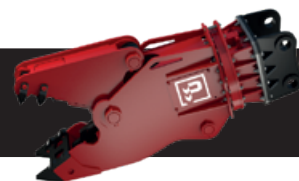
ROTATING PULVERIZERS



Models for excavators from 13,000 to 88,000 lb

**CR SERIES**

NEW



Technical Specifications		CR800	CR1500	CR1800	CR2000	CR3000	CR3600
Crusher weight	lb	1,670	2,650	3,460	4,500	5,710	7,340
Excavator Weight	lb	13,228 / 28,660	28,670 / 35,280	33,070 / 48,500	39,700 / 57,300	55,120 / 72,750	70,550 / 88,150
Max Jaws opening (A)	in	21.50	24.60	26.50	30.25	36.85	39.75
Jaws useful lenght (B)	in	21.45	26.90	27.50	31.30	38.45	40.95
Jaws width (upper/lower) (C)	in	12.60 / 7.70	18.10 / 11.40	18.10 / 11.60	20.85 / 13.00	21.65 / 13.80	19.30 - 12.35
Closing Force at tip (F1)	lb	72,760	94,800	119,050	163,140	185,190	242,510
Closing force at blades (F3)	lb	198,500	277,800	354,950	511,470	557,770	837,756
Optimal oil flow (min/max)	gal/min	18.5 / 29.0	29.1 / 42.3	37.0 / 52.8	46.6 / 60.8	66.0 / 79.3	79.3 / 92.5
Working pressure	psi	5,076	5,076	5,076	5,076	5,076	5,076
Rotation engine pressure	psi	1,450	1,450	1,450	1,450	1,450	1,740
Rotation oil flow (min/max)	gal/min	2.6 - 3.2	2.6 - 3.2	2.6 - 3.2	2.6 - 4.0	2.6 - 4.0	10.6 - 13.2
Rotation		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic



Established in 1989, today Promove is leader in manufacturing and distributing hydraulic breakers, shears and other demolition equipment.

All components are in-house made, through advanced CNC machinery and high technology, assuring maximum precision and finishing of all the surfaces.



Promove's company mission is to maximize customers' satisfaction through continuous improvement of the products' performance and reliability.

In order to achieve these goals, particular attention is dedicated to investments in efficient machineries, increasing productivity, pre and after sales services, Research and Development.





our Workflow



36
months

Extended warranty
on the main compo-
nents of the breaker, inclu-
ding cylinder and piston.

5 reasons why



1

From an accurate selection of raw materials to product assembly, all mechanical components are made in-house through advanced CNC machinery following strict quality and testing controls.

2

Dimensional and functional testing of all components.

3

Outstanding reliability resulting in product durability with low maintenance costs.

4

Excellent after sales service, spare parts always on stock, 24h delivery.

5

Continuous investments in R&D to improve quality and performance mainly focusing on the customers' needs.

Promove manufactures its products following strict policies and in compliance with ISO 9001:2015 standards: from the selection of raw materials and supply channels to the production and final testing.

Promove ensures that every product order is processed through an integrated quality management software, in addition to the in-house technical department support.



The most precious award for the passion and the day to day work of all our workforce is the number of positive feedback we receive from our customers using our demolition equipment in the hardest quarrying, tunnelling, demolition and construction applications worldwide, whether in underwater conditions or at high-reach.

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