

INCREASED PRODUCTION – LOWER OPERATING COSTS



Xcentric Ripper



INTRODUCING
THE ALL NEW



**XCENTRIC
RIPPER**

MINING SERIES

A revolution in high volume rock excavation.

Exclusive dealer for Australia, New Zealand & Pacific Islands

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BETTER-FASTER-STRONGER

With the introduction of its new Mining Series Range, Xcentric Ripper has advanced Ripper technology to a whole new level.

XCENTRIC RIPPER - IN A CLASS OF IT'S OWN



Xcentric International is a worldwide leader in the manufacture of advanced hydraulic work tools for extraction and processing of rock and concrete.

After more than 10 years development in the design and manufacture of the worlds most productive, reliable and technologically advanced hydraulic ripper, Xcentric International has taken the Xcentric Ripper range to a whole new dimension with the release of the all new Xcentric Ripper MINING SERIES.

The Xcentric Ripper is a hydraulic excavator attachment designed for the mass extraction of rock in mining and civil applications.

It has been developed with a patented system of "Impact Technology by accumulation of energy", which in most instances makes the Xcentric Ripper up to 5 times more productive than hydraulic breakers.

The all new Xcentric Ripper "Mining Series" is focused on mining applications where the highest production values are required, as well as continuous work shifts where reliability and excavator operator comfort are paramount.

Whilst the working technology is based on the standard version, the new mining series has been reinforced with a re-modelled working platform, which delivers a much higher energy impact force to the work tool with a lower frequency.

The XR Mining series also has a narrower body profile making it ideal for tunneling or operating in confined areas and it's able to work underwater without damage.

Designed to increase production, at lower operating costs and reduced noise levels, the all new XR Mining series is a revolution for high volume rock excavation.

| | | XR32 | XR42 | XR52 |
|------------------------------------|-------|-------------------|-------------------|-------------------|
| HYDRAULIC EXCAVATOR | tons | 24 - 30 | 32 - 40 | 42 - 55 |
| MASS OF RIPPER (INCL. TOP BRACKET) | kg | 3300 | 4200 | 5600 |
| MASS OF RIPPER (LESS TOP BRACKET) | kg | 2800 | 3600 | 5000 |
| HYDRAULIC WORKING PRESSURE | MPa | 22 - 24 | 22 - 24 | 26 - 28 |
| HYDRAULIC RETURN PRESSURE | MPa | 0.6 | 0.6 | 0.6 |
| HYDRAULIC OIL OW | L/min | 180 | 200 | 250 |
| CASE DRAIN MAXIMUM PRESSURE | MPa | 0.4 | 0.4 | 0.4 |
| FREQUENCY | 1/min | 1300 | 1200 | 1000 |
| DIMENSIONS L X W X H | mm | 2800 x 850 x 1600 | 3100 x 900 x 1840 | 3200 x 900 x 1900 |
| DIMENSION A | mm | 1791 | 2000 | 2100 |
| DIMENSION B | mm | 1391 | 1550 | 1650 |
| ACCUMULATOR PRESSURE | MPa | 0.5 | 0.5 | 0.4 |

FULL XR MODEL RANGE

XR32 The perfect tool for all types of excavation and demolition, low noise and high performance makes it a class leader.

XR42 becomes the protagonist of the work site. In quarrying work excellent results are achieved with production volumes up to 120 m³ per hour. In trenching is unrivaled.

XR52 Specially designed for high-volume production in quarries and infrastructure works. Production volumes are reached over 150 m³ per hour in limestone and other types of fractured rock. Also for trenching and recycling.

XR62 Designed for high-volume production in quarries and infrastructure works (> 175 m³/hr). Normally used in areas, where drilling and blasting where explosives is not permitted for safety or environmental reasons. Also suitable for demolition, mining, etc.

XR82 Production levels meets or exceed conventional equipment performance in quarries and infrastructure projects, where drilling and blasting are no longer allowed or are simply more expensive. It can achieve production volumes of more than 200 m³ per hour in fractured rock types. Very suitable for marine excavation in large dredging projects.

XR122 The biggest Series Production model and is currently the largest serial attachment manufactured worldwide for quarrying. Production volumes up to 250 m³ per hour can be achieved. Ideal for mining, which brings great value and versatility to large tonnage excavators. Very appropriate for extracting marine works in dredging projects with adverse conditions.



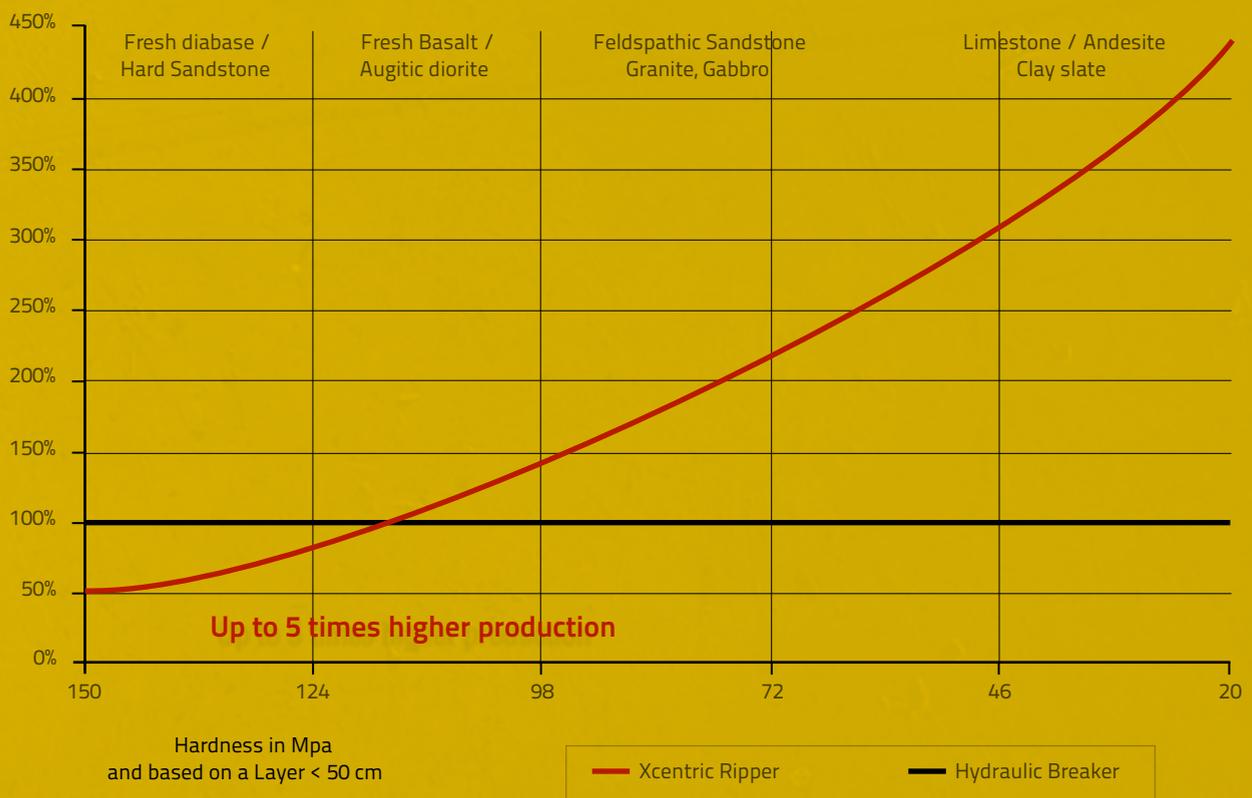
| | | XR62 | XR82 | XR122 |
|------------------------------------|-------|--------------------|--------------------|--------------------|
| HYDRAULIC EXCAVATOR | tons | 55 - 70 | 70 - 100 | 100 - 150 |
| MASS OF RIPPER (INCL. TOP BRACKET) | kg | 7000 | 10500 | 13000 |
| MASS OF RIPPER (LESS TOP BRACKET) | kg | 5700 | 8700 | 11000 |
| HYDRAULIC WORKING PRESSURE | MPa | 26 - 28 | 30 - 32 | 30 - 32 |
| HYDRAULIC RETURN PRESSURE | MPa | 0.6 | 0.6 | 0.6 |
| HYDRAULIC OIL FLOW | L/min | 280 | 380 | 500 |
| CASE DRAIN MAXIMUM PRESSURE | MPa | 0.4 | 0.4 | 0.4 |
| FREQUENCY | 1/min | 1000 | 1000 | 1000 |
| DIMENSIONS L X W X H | mm | 3450 x 1100 x 2170 | 3800 x 1320 x 2300 | 4000 x 1320 x 2820 |
| DIMENSION A | mm | 2260 | 2400 | 2430 |
| DIMENSION B | mm | 1760 | 1800 | 1800 |
| ACCUMULATOR PRESSURE | MPa | 0.25 | 0.6 | 0.6 |



COMPARISON WITH HYDRAULIC BREAKER

The Xcentric® Ripper widely exceeds the hydraulic hammer production in 80% of job applications. In up to 70% of the job applications, a 2 to 5 times higher production can be achieved.

Available in sizes larger than any current range of hammers and also on demand Giant units can be supplied.





ALTERNATIVE FOR "DRILLING & BLASTING"

In quarries with a limited volume of production or where drilling and blasting is not longer permitted for environmental or safety reasons, the Xcentric® Ripper is the only real way to get reasonable production costs.

Rock Hardness
Compressive Strength
MPa

| | | | | |
|-----|------------------------|--|--------------------------------|--|
| 200 | | | | |
| 175 | | | | |
| 150 | | | Drilling & Blasting | |
| 125 | | | | |
| 100 | | | | |
| 75 | | | | |
| 50 | Xcentric Ripper | | | |
| 25 | | | | |

Rock Type

THIN LAYER WITH
MANY FRACTURES

THICKER LAYERS
WITH FRACTURES

FRACTURED

VERY FEW OR
NO FRACTURES

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XR MINING SERIES BENEFITS

- A safe and easy alternative to drill and blast options
- 5 times higher production than conventional rock breakers
- Minimum noise levels
- Minimum maintenance
- No daily lubrication required
- Minimum wear parts consumption
- Long life components and materials
- Less fuel consumption per produced m³/ton
- Less emission per produced m³/ton
- Environmental protection (Bio Lubricants)
- Can be used on standard excavators.
- Full range of models suitable for 8 to 150 ton excavators.



Boss Attachments carry Australasia's leading range of high quality earthmoving buckets, demolition equipment and attachments for the forestry, mining and construction sectors.

Our range of world leading brands has been developed to meet the harshest and most varied conditions that our clients deal with.

This focus on the delivery of extreme added value performance to end users is supported by a commitment to after sales service that we promise will never let you down.

We have also structured our service delivery to suit the industries that we serve. Our large, efficient warehousing system ensures all orders are processed quickly to support the tight deadlines that our customers must meet.

That's why Boss Attachments has become the supplier by choice for a growing number of contractors throughout Australia, New Zealand and the South Pacific regions.

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