

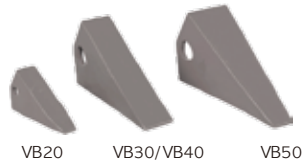


Ripper

Evolution of rock breaking

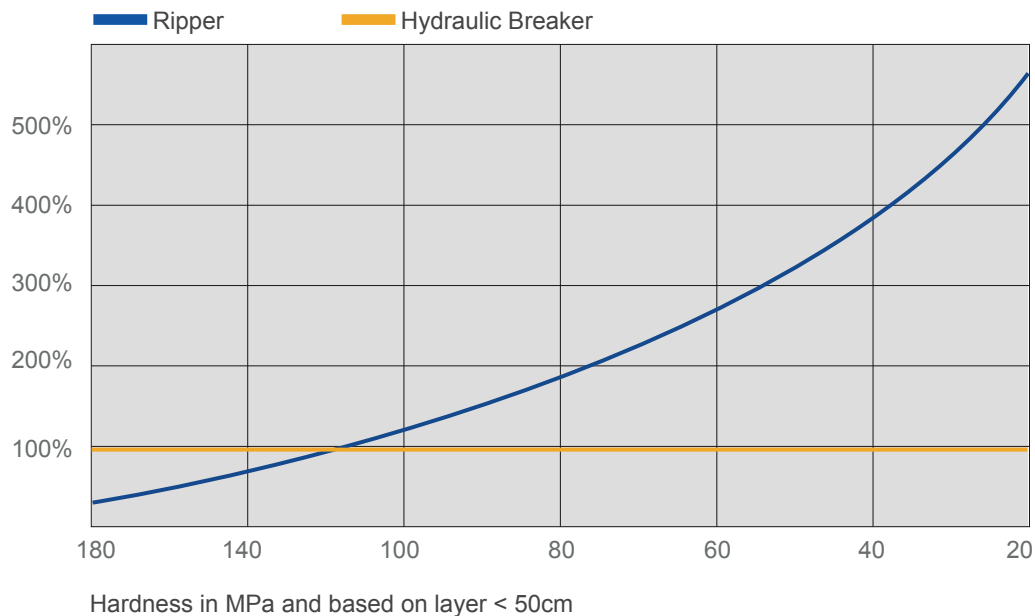


Ripper



- 2 to 5 times higher production
- Minimum noise levels
- Minimum maintenance
- No daily lubrication required
- Minimum wear parts consumption
- Long life components and materials
- Less fuel consumption per produced yd³/ton
- Less emission per produced yd³/ton
- Economical alternative for "Drilling and Blasting"
- Marine/underwater operation
- Easy operation
- Increased operator comfort

Ripper productivity



The Ripper combines the working principles of impact force of a hydraulic breaker with vibration and ripping power of a conventional ripper. Due to this combination of both breaking, vibration and ripping, it can produce up to five-times higher excavation rates compared to conventional hydraulic rock breakers.

Ripper should not be confused with conventional vibrorippers as Ripper has an accumulator which provides impact along with vibration.

Ripper



Pressure accumulator: absorbing vibrations and utilizing recoil energy to increase breaking performance

High performance and reliable hydraulic motor

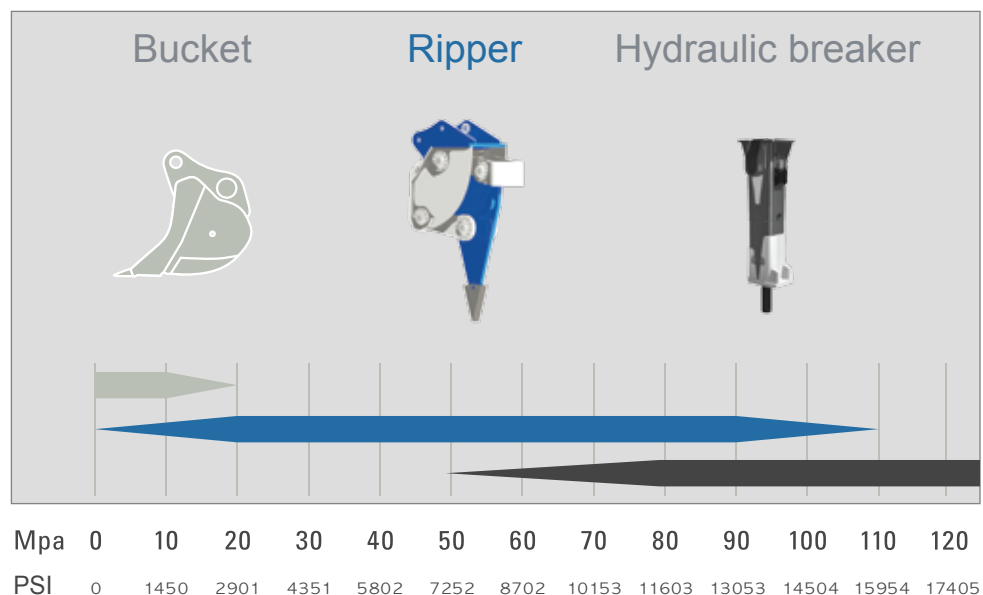
Robust, durable & high quality bearings

Anti vibration bolts and washers applied to prevent the loosening of bolt & washer due to vibration

Cast steel mono-body structure to prevent cracks on the ripper due to high frequency vibration

Wedge shaped tooth made of high quality material and specially heat treated for longer life

Suitable rock hardness designation

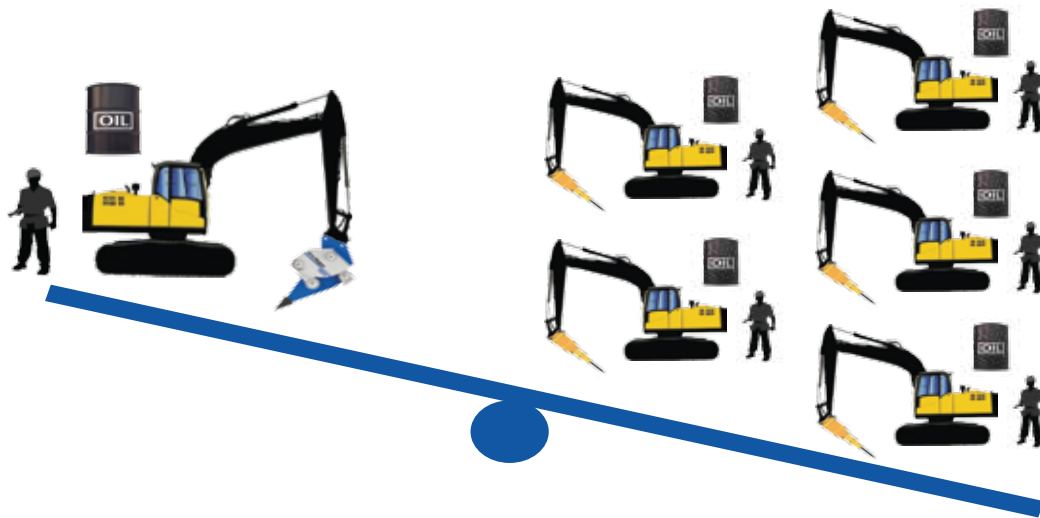


Ripper is exceptionally suitable for soft to medium hard rock like limestone, sandstone and basalt, as well as reinforced concrete.

The Ripper requires no greasing, no replacement of bushes, seals or any other parts. The only spare part to be replaced is the tooth.

Ripper

Total running cost compared to hyd. breaker



Save up to 3~5 times more operation cost including fuel, excavator & operator cost compared to using hydraulic breaker.

Ripper Applications

Ripper is a revolutionary excavator attachment for excavation of rock and demolition of concrete structures. It is based on an impact vibration accumulation technology, which enables excavation and demolition in less time, for lower cost and with minimal noise.

The Ripper's closed energy chamber cannot be influenced or damaged from the outside by dust, water or dirt. Therefore it can work without any problem in the most severe conditions including tunnels, foundations, even under water.

Excavation

- Quarry
- Under Water
- Trenching
- Construction
- Permafrost
- Quarry Face Shovel
- Tunneling Projects

Demolition

- Primary Concrete Demolition
- Under Water Demolition
- Foundation Demolition
- Building Demolition



Ripper



VB20



VB25



VB30



VB35



VB50



VB55

Technical Specifications

Models		VB20	VB25	VB30	VB35	VB50	VB55
Items							
Hydraulic excavator	tons	18 - 26	25-30	28-35	30-42	42-55	55-70
Operating weight	kg	2500	2600	3300	3400	5600	5800
Hydraulic working pressure	bar	180 - 200	200 -220	220 - 240	220 -240	260 - 280	260 -280
Hydraulic return pressure	bar	6	6	6	6	6	6
Hydraulic oil flow	l/min	160	180	180	200	250	280
Case drain maximum pressure	bar	4	4	4	4	4	4
Frequency	1/min	1400	1300	1300	1200	1000	1000
Dimensions(cm)	L x W x H	240x78x175	240x78x175	280x85x160	280x85x160	310x90x190	310x90x190
Accumulator pressure	MPa	0.5	0.5	0.5	0.5	0.4	0.4

● Above Specifications are subject to change without notice

