

KOMATSU®

XCENTRIC RIPPER

**JGXR
SERIES**

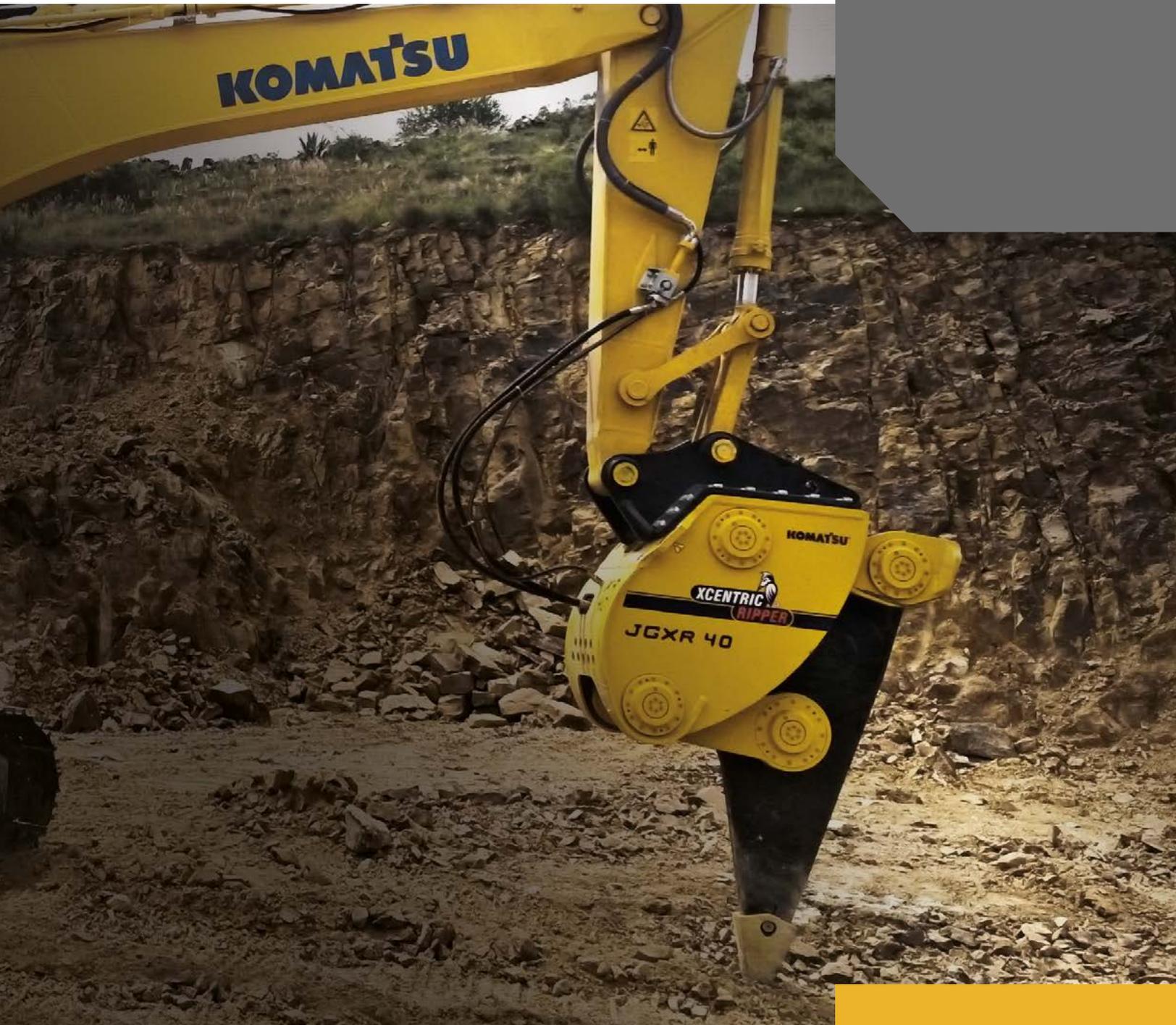


Photo may include optional equipment.

A REVOLUTION IN ROCK EXCAVATION



The design of the Komatsu Xcentric Ripper is based on the most advanced technologies for excavating and demolition jobs.

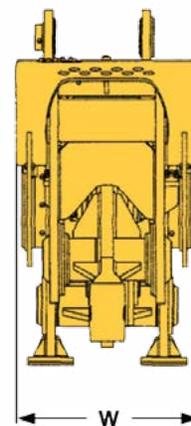
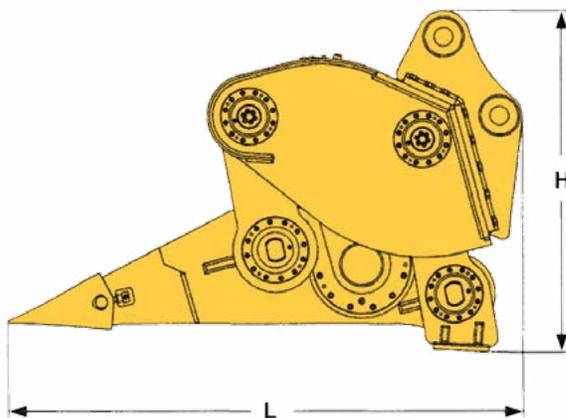
It works perfectly with the latest machines, meets the highest industry standards and offers an outstanding performance, while making your work more efficient.

Built of wear-resistant steel for long life, the Xcentric Ripper is practically free and less noisy than other excavation equipment. It can be used under water without risk of damage and can be adapted to different work sites and special applications. Thanks to its simple design, the JGXR offers downtime advantage and low maintenance costs if we compare with similar competitors at open market.

STANDARD SPECIFICATIONS (METRIC SYSTEM)

DESCRIPTION	UNIT MEASURE	MODEL				
		JGXR 10	JGXR 15	JGXR 20	JGXR 30	JGXR40
Ripper weight (incl. top bracket)	kg.	944	1.700	2.676	3.439	4.276
Ripper weight (excl. top bracket)	kg.	825	1.503	2.289	2.955	3.711
Hydraulic working pressure	MPa	15 - 18	16 - 19	18 - 20	22 - 24	22 - 24
Hydraulic oil flow	L/min.	60	120	160	180	200
Hydraulic return pressure	MPa	1.0	1.0	1.0	1.0	1.0
Case drain maximum pressure	MPa	-	0.4	0.4	0.4	0.4
Bpm Frequency	bpm.	1.400 - 1.500	1.300 - 1.400	1.300 - 1.400	1.200 - 1.300	1.100 - 1.200
Dimensions L x W x H	mm.	1.602 x 497 x 1.265	2.058 x 740 x 1.430	2.249 x 830 x 1.725	2.732 x 934 x 1.798	2.886 x 1.020 x 1.846
Komatsu excavator model (depends on work equipment)		PC120 ~ 138	PC160 ~ 180	PC200 ~ 270	PC300 ~ 340	PC350 ~ 400

DESCRIPTION	UNIT MEASURE	MODEL			
		JGXR 50	JGXR 60	JGXR 80	JGXR120
Ripper weight (incl. top bracket)	kg.	5.588	7.370	10.800	13.377
Ripper weight (excl. top bracket)	kg.	4.979	6.252	8.992	11.484
Hydraulic working pressure	MPa	26 - 28	26 - 28	30 - 32	22 - 24
Hydraulic oil flow	L/min.	250	280	380	430
Hydraulic return pressure	MPa	1.0	1.0	1.0	1.0
Case drain maximum pressure	MPa	0.4	0.4	0.4	0.4
Bpm Frequency	bpm.	900 - 1.000	900 - 1.000	900 - 1.000	900 - 1.000
Dimensions L x W x H	mm.	2.951 x 1.121 x 1.991	3.372 x 1.224 x 2.153	3.609 x 1.464 x 2.647	3.692 x 1.464 x 2.757
Komatsu excavator model (depends on work equipment)		PC450 ~ 490	PC600 ~ 800	PC800SE ~ 850SE	PC1250



A FULL RANGE FOR HYDRAULIC EXCAVATORS (FROM 12 ~ 159 TONS)



JGXR 10

JGXR 15

JGXR 20

JGXR 30

JGXR 40

JGXR 50

JGXR 60

JGXR 80

JGXR 120

Models are for reference only

PC120 ~ 138 PC160 ~ 180 PC200 ~ 270 PC300 ~ 340

Perfect for excavations and demolitions sites located in urban areas. Also for trenching and recycling plants. This is the ideal tool due to low noise level.

Models are for reference only

PC350 ~ 400 PC450 ~ 490 PC600 ~ 800

Highly recommended for quarries and trenching of any size. Its production volume/hour rate, makes the JGXR series as a leader of the market.

Models are for reference only

PC800SE ~ 850SE PC1250

Outstanding performance in quarries and infrastructure projects where drilling and blasting with explosives are not longer permitted for environmental reasons, providing a high-volume of production.

BENEFITS OF XCENTRIC RIPPER

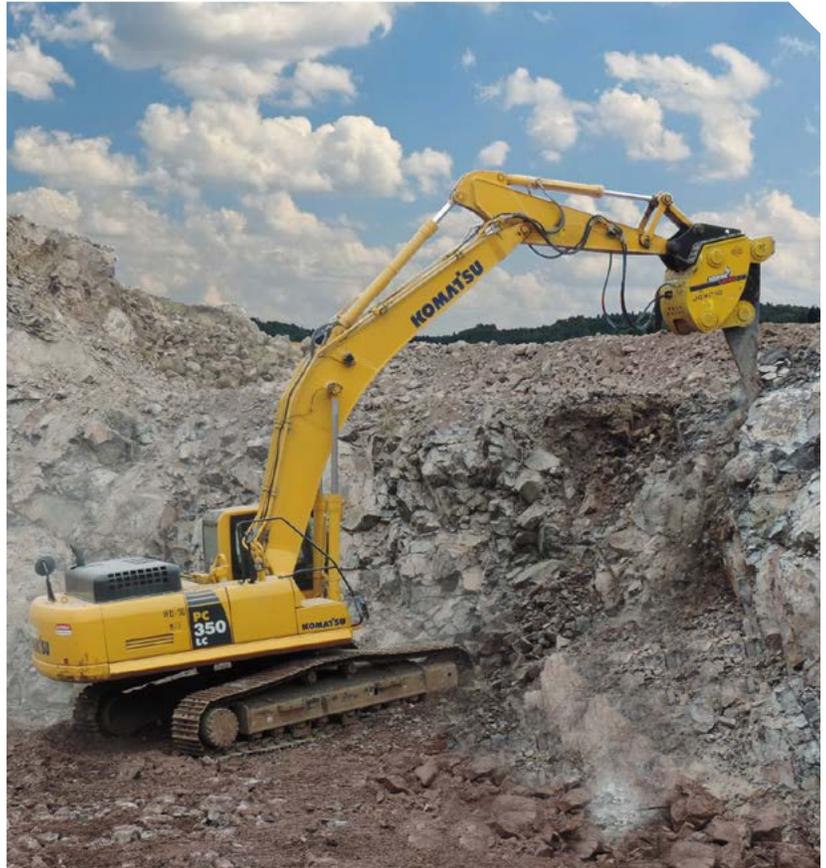


- » 3 to 5 times higher production.
- » Low noise level.
- » Minimum maintenance.
- » No daily lubrication.
- » Fewer parts, less wear.
- » Long life components and materials
- » Less fuel consumption per m³/ton produced for Komatsu equipment under normal operating conditions.
- » Less emissions per m³/ton produced for Komatsu equipment under normal conditions.
- » Economical alternative for drilling and blasting operation.
- » Underwater operation.
- » Easy operation.
- » Increased operator comfort.

APPLICATIONS

The Komatsu Xcentric Ripper's closed energy chamber is completely protected from dust, water, dirt and other external agents. It can perform problem-free under the most severe conditions, tunnels, hard concrete structures and on muddy wet jobsites.

It can perform all kind of underwater works, such as harbours, canals or open sea without making any special expensive and complicated preparations. This is one of the main benefits of Xcentric Ripper to cut down the high maintenance and repair costs usually associated with these applications.

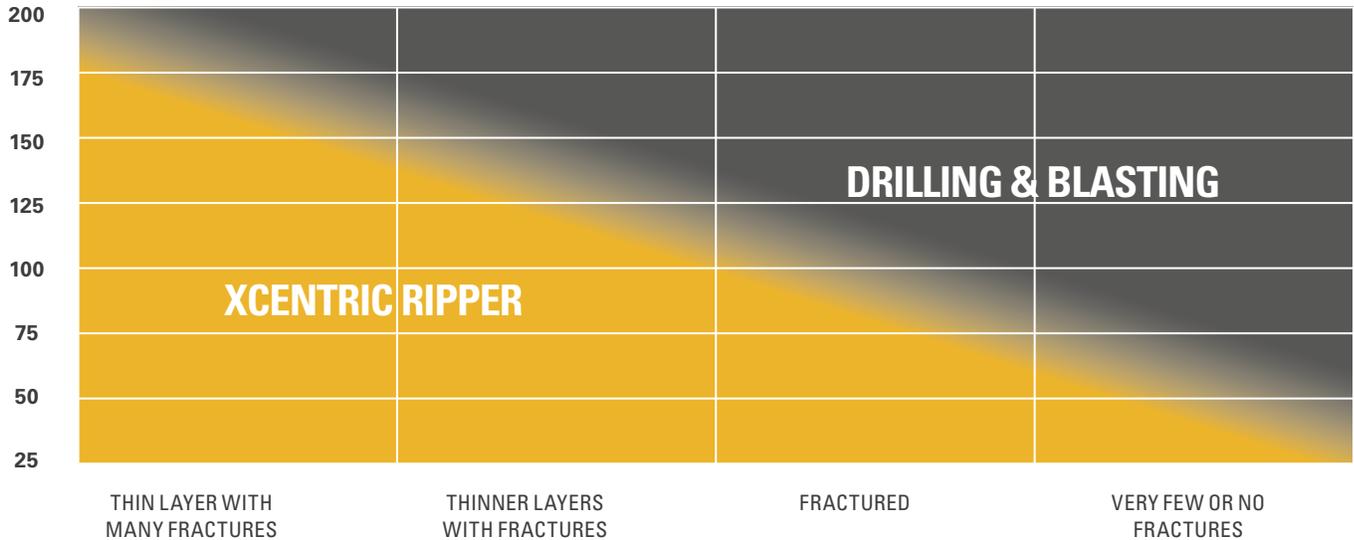


XCENTRIC RIPPER PERFORMANCE

Rock hardness
compressive streng
MPa

● Xcentric Ripper operation area

● Drilling and blasting is required



THE BEST OPTION FOR DRILLING AND BLASTING

In quarries with a limited volume of production, or where drilling and blasting are no longer allowed for environmental or safety reasons, the Xcentric Ripper is the most economical alternative to high production costs.



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