



This instruction sheet is for reference only and should always be within easy reach of all staff concerned with the working of the Xcentric Ripper. Read the Instruction Manual before you start working for the first time with it. Be sure that you fully understand the Instruction Manual. If you have any questions or doubts, please consult with your distributor first.

XCENTRIC® RIPPER USER INSTRUCTIONS



Before use, make a daily visual inspection of the Xcentric® RIPPER and machine support

- If the material does not break loose within 15 seconds, remove the tooth as soon as possible. When hitting in the same place too long the tooth point will become overheated, lose its strength and hardness, which will create abnormal tooth wear. To work as efficiently as possible put the tooth on fractures or crack lines or when working in harder rock types closer to the edge (take smaller bites).
- The Xcentric® Ripper may cause strong ground vibrations in soft ground. This can lead to the unwanted shaking and /or falling of objects, damage to underground pipes or bad influence to buildings in the immediate vicinity. Check the work site in advance on this point to prevent the work being stopped.
- Due to the totally closed construction of the Xcentric® Ripper, all internal moving parts, such as pin joints, bearings and gears cannot be influenced from the outside.
- The Xcentric® Ripper is made of wear-resistant steel components and has a simple mechanism, making daily maintenance very limited (see the user manual for periodic maintenance).
- Before starting the daily work, one should ensure that there are no visual defects, for example:
- Oil leaks from hoses, motor and valve block
- Check the wear of the tooth point to ensure that it remains within the wear limit. See the user guide for the wear limits.



Proper use!

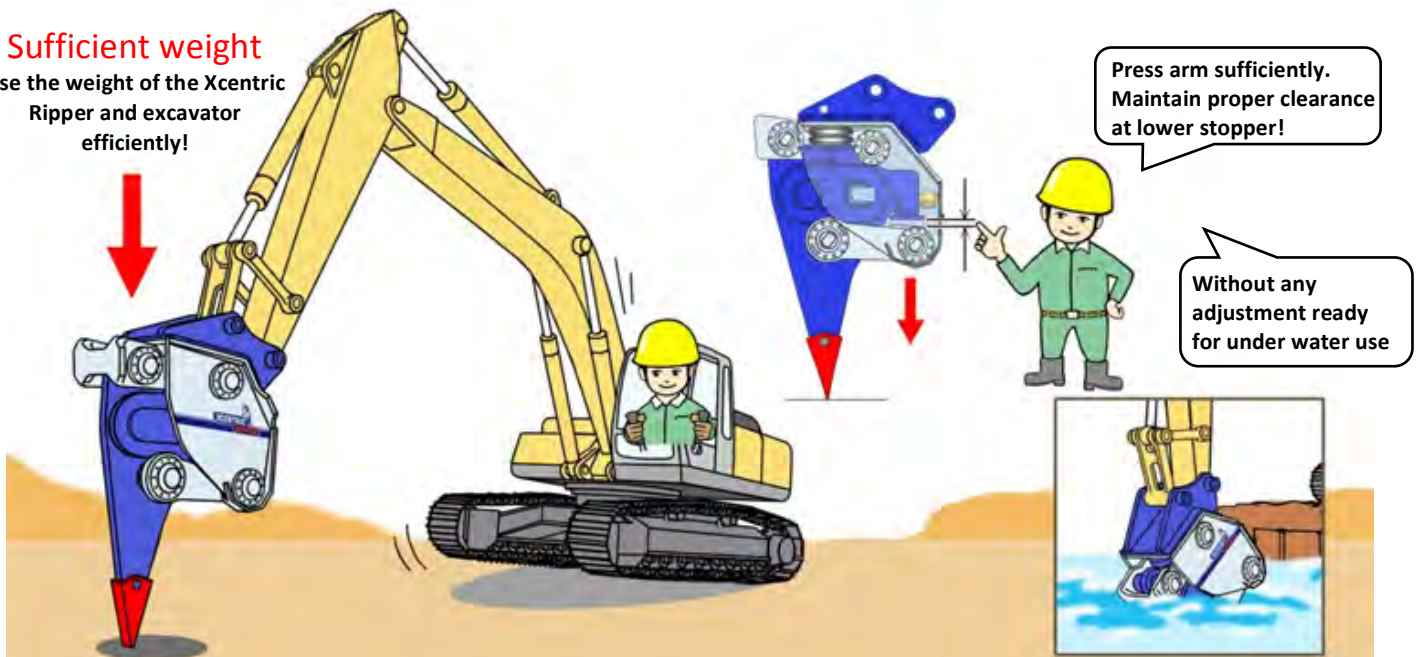
When you start to work, apply the excavator weight firmly on the Xcentric® Ripper, so that the Impact Arm is compressed. Please check the correct distance of the gap between the Impact arm and the lower stopper (7 to 8 cm.). Only run the eccentrics, with adequate pressure on the Xcentric® Ripper. When the tooth is lifted off the ground and the excavator weight is no longer applied, please make sure to stop the eccentric operation. Stop idle impact blows!

Please be aware, that blank firing not only demonstrates insufficient production, but also excessive noise and idle blows insufficient

to the arm of the hydraulic excavator, which can cause certain discomfort or damage. A correct working procedure and position will lead to increased productivity and can efficiently compete against drilling operations or breaker applications. Due to the completely sealed structures of the eccentric drive and other moving components it can work in water and mud without creating damage. After taking the Xcentric® Ripper from the excavator the hydraulic hoses should always be plugged (capped), in order to prevent dirt or sand entering into the hydraulic systems.

Sufficient weight

Use the weight of the Xcentric Ripper and excavator efficiently!



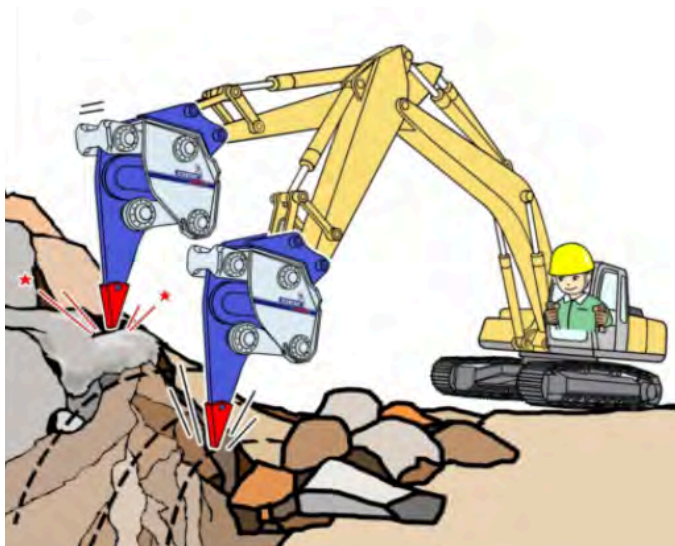
To fully understand the working of the Xcentric Ripper, please read the Instruction Manual

XCENTRIC® RIPPER USER INSTRUCTIONS



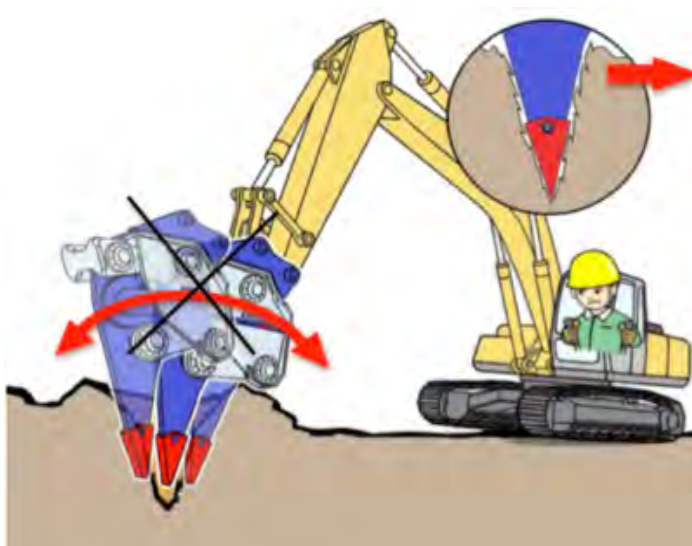
Change position when difficult!

When the material does not break, please change the tooth position as soon as possible. If you hit on the same place for a long time, it can overheat the tip and cause abnormal wear or breakage of the tooth.



Pull up straight when stuck!

When the tooth gets stuck in the rock or between 2 stones, NEVER try to LEVER it out by applying the force of the arm cylinders. Pull it VERTICALLY upwards while carefully applying the eccentric movements.



No idle blow!

When you lift the Xcentric Ripper tooth off the ground and when the excavator weight is no longer applied, you should immediately stop the eccentric operation. Stop the impacting blows. Idle blowing or blank firing makes excessive noise and brings vibration to the boom of the hydraulic excavator, which might create a certain discomfort or damage.



Pay attention for roll over!

The Xcentric Ripper is a heavy tool. For loading or unloading and during transportation, always apply adequate steel or nylon ropes. There is a risk of falling to one side, when it has not been fixed. During storage or when removed from the hydraulic excavator, please select a location that is flat and firm to support the weight of the Xcentric Ripper to prevent it from falling sideways. After use, you must be careful with the various parts of the Ripper (tooth), which are exposed to high temperatures.

