**Crusher wears**

**One piece jaws**

**Application**
Metso One piece jaws are available for Metso Quarry, Superteeth, Super grip and MX tooth profiles and used for Nordberg® C Series™ Jaw crushers.

With fewer parts and excellent lifting equipment, Metso One piece jaws improve safety and enable fast and easy installations.

Read more at: [metso.com/JawCrusherWearParts](http://metso.com/JawCrusherWearParts)

**Safer operations**
Safety is a top priority for companies within the mining and aggregate industry today. Liner changes and installations need to be carried out without concerns for the employees’ safety. Constantly looking for ways to improve the working environment is therefore essential in order to achieve the most efficient crushing process and increase profitability.

**Fast and easy jaw dies replacement**
Metso works continuously to extend wear life and enable installations where the employees can work in a safer zone all the time. These are key factors to achieve a safe working environment.

Metso One piece jaws allow fast and easy replacements since fewer parts need to be installed. Moreover, Metso offers lifting equipment designed and manufactured for safe lifting of Metso OEM jaw plates and has developed a unique maintenance platform.

This equipment improves working conditions even further and makes it possible to accomplish installations without compromising safety.

Maintenance work is facilitated considerably as one piece jaws are symmetrical top to bottom and can be rotated and re-used instead of replaced. Rotation is a simple operation and effective as most wear occurs in the bottom of the jaws and rotating them provides another equal period of use before they must be replaced.

**Using the right jaw dies makes a difference**
Metso’s jaw dies are engineered to last longer and crush more efficiently, while reducing wear and tear on the crusher. The jaw dies are made of very durable manganese steel, in order to secure a long wear life and thereby minimize downtime.

Due to the wide range of applications and feed materials, many different types of jaws are available for the C Series Jaw crushers. As the OEM, we built your jaw crusher and know exactly how to design wear parts with a perfect fit. The right jaw plate design can make a significant difference. Metso’s extensive experience with crushers and the crushing process enables us to provide the right solution for your specific conditions.

One piece jaws are available with different tooth profiles such as: quarry, superteeth, quarry/super grip and MX. Each one has unique features that can contribute to improved productivity.

**Benefits**

- Easy handling improves safety
- Fast jaw die replacement
- Easy installations and maintenance
- Few wear parts to keep in stock
- Long wear life
One piece jaws

Available by machine type and tooth profile

Metso One piece jaws are available in several different designs in order to fit all kinds of applications and feed materials. We are happy to help you choose the right wear parts for your specific crusher.

Quarry
- Good in abrasive and/or blasted rock
- Flat tooth profile maximizes wear life (more surface area to crush with)
- More resistant Mn-steel than in standard jaws
- Higher stresses and power requirements
- Less space for fines to pass through

Quarry + Super grip
- Good in blasted, slippery and difficult natural rock
- Sharp tooth profile (good grip on the rock)
- Power requirements and crushing stresses are in balance
- Tooth spacing ideal for fines removal
- Can be used when scalping is not efficient
- Less slabby product

Superteeth
- General use in gravel and blasted rock
- Tooth spacing ideal for fines removal
- More tooth contact surface area compared to standard profile
- More resistant Mn-steel than in standard jaws
- Power requirements and crushing stresses are in balance
- Less slabby product

MX
- Good in abrasive and/or blasted rock
- MX jaw provides longer wear life (2-3 times more compared to mono alloy)
- Improved HSE conditions due to longer changeout intervals
- Reduced maintenance cost due to fewer jaw die replacements
- Less components, less waste

Metso is also a supplier of Two piece jaws. Contact your Metso representative to discuss the different alternatives.

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*22mm thicker than regular, notice reduction in max CSS
*Fixed side available also as Super grip MM0588280
*Fixed side available also as Super grip MM1071842

Your crusher model not listed?
We are glad to design customized solutions for all crushers. Contact your Metso representative for more information.