

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

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/supergrip 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.

		C110		C120		C125		C130		C140		C145		C150		C160	
Tooth profile	Movable /fixed	Item	Weight kg/lb	Item	Weight kg/lb	Item	Weight kg/lb	Item	Weight kg/lb	Item	Weight kg/lb	Item	Weight kg/lb	Item	Weight kg/lb	Item	Weight kg/lb
Quarry	Movable	N11918208	1866 / 4114	MM0586425	2076 / 6083	N11954353	2855 / 5190	MM1031742	2653 / 5847	MM0218048	2747 / 6043	MM0226278	2994 / 6598	MM1110178	2950 / 6501	N11924296	3646 / 8035
	Fixed	814391312500	2193 / 4835	MM0585542	2316 / 5104	N11954343	2687 / 5922	MM1086204	2928 / 6453	MM0218047	3024 / 6650	MM0226277	3837 / 8456	MM1004104	3854 / 8494	N11924295	4475 / 9862
Super grip + Quarry	Movable	MM0534103	1907 / 4204	MM0588282	2135 / 4705	MM0285590	2385 / 5256	MM1071843	2688 / 5924	MM0404574	2926 / 6440	MM0226707	3128 / 6894	MM1011873	3424 / 7546	MM0219198	4310 / 9499
	Fixed	814391312500	2193 / 4835	MM0585542*	2115 / 4661	N11954343	2687 / 5922	MM1086204*	2928 / 6453	MM0218047	3024 / 6650	MM0226277	3837 / 8456	MM1004104	3854 / 8494	N11924295*	4933 / 10872
Super-teeth	Movable	1046590661	1700 / 3750	MM0588450	2165 / 4771	1046590663	2000 / 4408									N11953473	3652 / 8049
	Fixed	1046590660	1900 / 4188	MM0588449	2221 / 4895	1046590664	2600 / 5730									N11953466	4735 / 10435
MX	Movable	MM0376278	2005 / 4420	MM1103860	2373 / 5230	MM1031938	2570 / 5664			MM1122242	2891 / 6360						
	Fixed	MM0376280*	2599 / 5730	MM1103600	2731 / 6019	MM1031747	3349 / 7381			MM1122241	3723 / 8200						

*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

*Fixed side available also as Super grip MM0219197

Your crusher model not listed?

We are glad to design customized solutions for all crushers. Contact your Metso representative for more information.