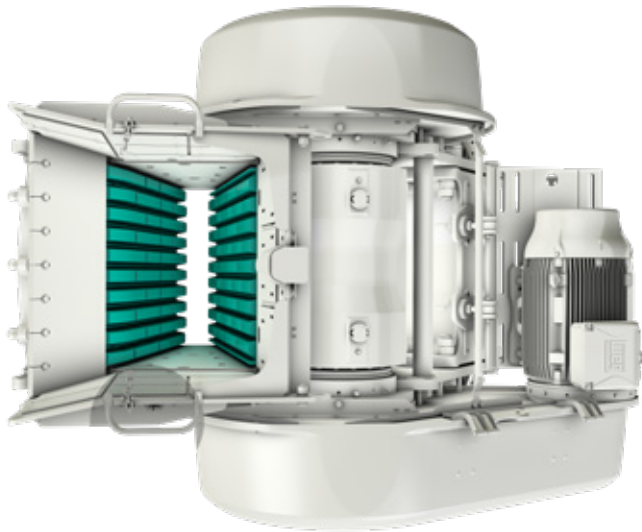


# Metso:Outotec

Crusher wears

## One piece jaws



Efficient and more sustainable operations require jaw dies that last longer and are optimized to your specific application. With fewer parts and excellent lifting equipment, Metso Outotec One piece jaws improve safety and enable efficient and easy installations.

### Using the right jaw dies matter

Minimizing operating costs is a common target in the mining and aggregates business. To achieve higher profitability, lower operating costs and improved safety, downtimes need to be minimized. That is why efficient crusher operations require wear parts that last longer and are optimized to your specific process.

Metso Outotec'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 manganese steel to secure a long wear life and thereby minimize downtime.

### Right jaw profile for your application from an OEM supplier

Due to the wide range of applications and feed materials, our jaws are available in several different designs and alloys to allow finding right solutions for your specific conditions. Our jaw dies are designed to the same specifications as our Nordberg® C Series™ jaw crusher, ensuring equipment compatibility for reliable and safe operation.

One piece jaws are available with different jaw profiles: quarry, superteeth, quarry + supergrip, MX and coarse corrugated jaws. Each one has unique features that can contribute to improved crusher performance.



### Improved safety and more sustainable operation

Long wear life means fewer liner replacements and a significant reduction in your maintenance work and, consequently, safer operation. Metso Outotec One piece jaws allow fast and easy replacements since fewer parts need to be installed.

Using the appropriate lifting tool for a specific wear part is crucial. When installing One piece jaws, the Metso Outotec jaw crusher maintenance platform and the specially designed lifting tool can be used. These tools, designed for Metso Outotec jaws only, improve working conditions and make it possible to carry out installations quickly and efficiently, without compromising safety.

Maintenance work is facilitated considerably as One piece jaws are symmetrical top to bottom and can be simply rotated and re-used instead of replaced. As most of the wear occurs in the bottom of the jaws, rotating and re-using the same wear part provides another equal period of use allowing for more effective and sustainable operation as the same wear part can be used longer before replacement.

## Benefits

- Different designs and alloys to match your application
- Improved uptime due to longer wear lifetime
- Symmetrical design of One piece jaws allows them to be rotated and re-used instead of replaced
- Lifting tools and maintenance platform allow for safer and more efficient installation & maintenance

# One piece jaws

## Available by machine type and tooth profile

Metso Outotec One piece jaws are available in several different designs and alloys 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



### MX

- Good in abrasive and/or blasted rock
- MX jaws provide 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



### Quarry + Super grip

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



### Supertooth

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



### Coarse Corrugated Jaws

- Improved material flow due to more surface area for fines to flow
- Better wear life due to better fines removal and height of teeth, leading to improved process up-time
- Improved product quality due to less slabby material
- More production than regular jaw plate

Read more at [mogroup.com/jaw-crusher-parts](http://mogroup.com/jaw-crusher-parts)

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

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

		C106		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	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		
Supertooth	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								
Coarse corrugated	Movable	10141771001	1275 / 2806	10140674001	1976 / 4357	10141449001	2018 / 4449	10182881001	2274 / 5013			10217071001	3740 / 8245							10141524001	4591 / 10122
	Fixed	10141770001	1414 / 3111	10140672001	2208 / 4868	10141448001	2447 / 5395	10182879001	2612 / 5758			10217070001	3720 / 8201								10141523001

\*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