

Impact crushers Nordberg® NP13 & NP15



3 steps
forward





Nordberg® NP13 & NP15 Impact crushers

The new Nordberg NP13 and NP15 impact crushers provide significant improvements for your productivity, safety and uptime.

More throughput, less recirculation

The Nordberg NP13 and NP15 impact crushers have been designed in an innovative way that increases feed material penetration to the rotor. Especially for secondary and tertiary applications, the optimized, steeper design enables greater benefits, as the discharge curve is less sensitive to blow bar wear. This enables you to produce more consistent end products without changing the blow bars.

To further improve your productivity, the maximum available power has been increased to 315 kW for the NP13 and to 355 kW for the NP15 on a single drive.

Cost effectiveness and high Metso quality

The Metso IC™ crusher automation ensures high availability with the push of just a single button. The system remarkably increases your long-term profitability and gives you better control of the crusher along with a complete view of the parameters for more accurate crusher monitoring. Among other benefits, the automatic setting calibration ensures accurate control of the discharge curve, even with abrasive materials.

The wide selection of seven different blow bars gives you the assurance of having the right tool for all applications, regardless of the abrasiveness of the crushed material. You can choose manganese, martensitic steel or chromium iron for the blow bar material in combination with ceramic inserts.

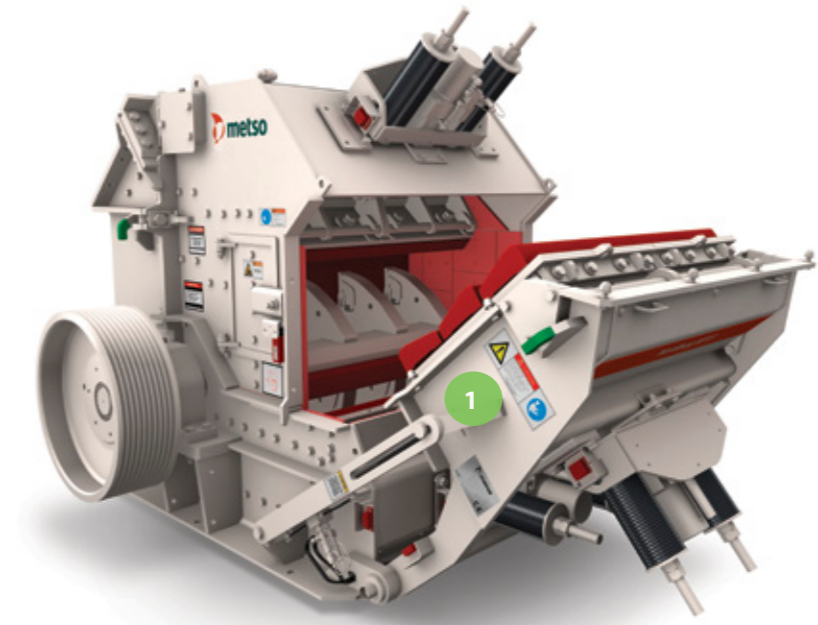
Quick, easy and safe maintenance; higher uptime

Metso developed an advanced two-part rear frame for the NP13 and NP15. The extra large opening of the new frame gives greater access to the breaker plates during wear part replacement.

Metso has also innovated a new breaker plate cassette. This patented solution consists of a removable assembly that allows an easy and safe breaker plate liner change outside the crusher.

The new maintenance bridge gives you safe access to the rotor while changing blow bars. The maintenance bridge also gives you easy access to the side liners, including the ones located highest.

The patented Self-Rotor Rotation system (S.R.R.) is the centralized point for adjusting settings and changing blow bars, further increasing operator safety.



NP13 and NP15 features are based on:

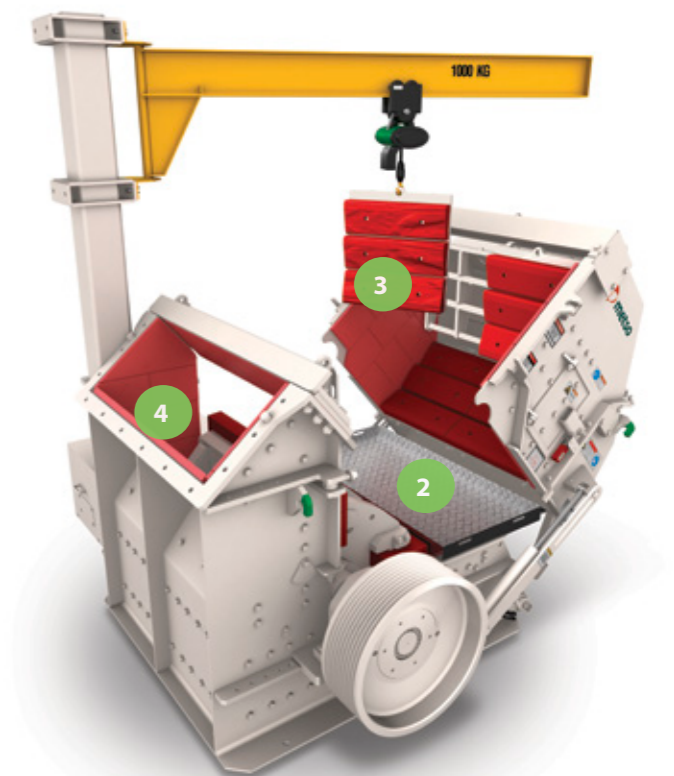
- 1 Two-part rear frame
- 2 Maintenance bridge
- 3 Breaker plate cassette
- 4 Steeper feed angle (50°)

NP13 Capacity (1)						
Top feed size mm (in)	350 (14)		200 (8)		80 (3)	
End product mm (in)	50 (2)	35 (1 1/2)	40 (1 1/2)	20 (3/4)	20 (3/4)	15 (1/2)
Capacity mtph (stph)	310 (340)	230 (250)	320 (350)	200 (220)	260 (290)	210 (230)
NP15 Capacity (1)						
Top feed size mm (in)	400 (16)		200 (8)		80 (3)	
End product mm (in)	60 (2 1/2)	40 (1 1/2)	40 (1 1/2)	20 (3/4)	20 (3/4)	15 (1/2)
Capacity mtph (stph)	380 (420)	300 (340)	420 (460)	270 (300)	350 (390)	290 (330)

(1) Represents capacity through the crusher based on an instantaneous product sample. Impact crusher capacity charts are developed for use as an application tool to properly utilize the NP impact crusher's capabilities. The capacity figures shown above apply to material weighing 1,600 kg per cubic meter or 100 pounds per cubic foot. The crusher is one component of the total circuit. As such, its performance is also dependent on the proper selection and operation of feeders, conveyors, screens supporting structure, electric motors, drive components and surge bins.

Technical information		
	NP13	NP15
Crusher complete	11,700 kg* (25,700 lbs)	16,000 kg* (35,200 lbs)
Rotor complete	4,850 kg (10,700 lbs)	6,370 kg (14,000 lbs)
Rotor diameter	1,200 mm (47.2")	1,300 mm (51.2")
Rotor width	1,300 mm (51.2")	1,500 mm (59")
Characteristics		
Power	315 kW (400 hp)	355 kW (450 hp)
Maximum feed size	350 mm (14")	400 mm (16")
Application	Secondary and tertiary	Secondary and tertiary
Reduction ratio	Up to 10:1 in open circuit	Up to 10:1 in open circuit
Capacity	300 tph of 0/40 (330 stph of 0/1"1/2) (feed 200 mm - 8")	400 tph of 0/40 (450 stph of 0/1"1/2) (feed 200 mm - 8")

*Weight depends on selected options



Nordberg NP13 & NP15 offer Metso's latest innovations for quick, easy and safe maintenance.

The Metso Way – Making the big difference to our customers

Everything we do is based on deep industry knowledge and expertise that makes the big difference to our customers. Decades of close customer collaboration and adapting to our customers' ever changing needs have transformed us into a knowledge company.



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