



Nordberg® NP Series™

Nordberg® NP Series™ Why choose Metso's impact crusher?

High performance

- High capacity
- High reduction ratio
- Less sensitive to sticky material than other machines
- High-quality end product, cubical shape

Maintenance friendly

- Easy blow bar attachment
- Self Rotor Rotation (SRR)
- Safety devices

High efficiency

- Quick and easy installation
- Easy to operate
- High mechanical reliability
- High machine availability

Adaptable to all applications

- Wide choice of blow bars and liners
- Third breaker plate
- Full hydraulic setting
- Metso IC™ crusher automation



Impact crushers Nordberg® NP Series™

Metso's focus on customer success is clearly demonstrated in the development of the Nordberg® NP Series™ impact crusher. We have been building impact crushers for 60 years, so we know that our customers are looking for high performance to boost profitability. By combining the best technical solutions, our crushers provide a reliability that lets you focus on your operations.

Crusher efficiency

Nordberg NP Series impact crushers have a unique blow-bar attachment system that provides a higher degree of reliability. NP Series impact crushers are designed to minimize maintenance, to improve adjustment operations and to deliver unbeatable performance in primary, secondary, tertiary and recycling applications.

Plant profitability

NP Series impact crushers feature a unique combination of heavy rotor and crushing chamber design in addition to materials selected for their outstanding wear resistance. This combination has proved revolutionary in improving capacity and product quality while further reducing operating and wear costs.

Benefits

- Process performance
- Maintenance friendly
- Easy operation

Nordberg® NP Series™ Impact crushers

Nordberg NP Series impact crushers feature a unique combination of heavy rotor design, materials selected for good wear resistance and crusher chamber design. This combination has proven revolutionary in improving capacity and product quality and in reducing operating and wear costs. NP Series impact crushers deliver unbeatable performances in primary, secondary, tertiary and recycling applications.

Configured for your needs

NP Series impact crushers are the solution when output and productivity demands are increasingly stringent, from quarry to industrial applications and from mining to recycling. It's easy to build your own crusher configuration – by adding options for your application – like a full hydraulic breaker plate and self-aligning third breaker plate or different grades of steel and cast iron for the blow bars with the possibility for ceramic inserts. The Self Rotor Rotation system (SRR) is available across the NP range and is part of Metso's ongoing effort to innovate and find ways to enhance the quality, ease of use, and safety of its products. Metso IC™ crusher automation controls the crusher operation and gives a perfect and complete overview of performance.

High performance from NP Series

NP Series impact crushers feature a unique blow-bar attachment system. Combined with perfect blow-bar alignment on the crossbeam contact faces, this reduces risk of breakage and makes it possible to push the use of cast iron for blow bars beyond conventional limits. The rotor with high inserts

improves crushing reduction and provides stability in the process, reducing energy consumption and increasing long-term performance.

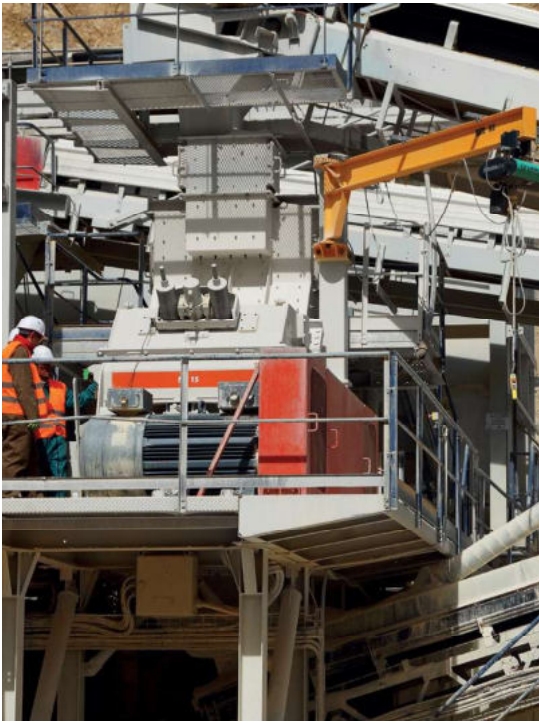
Reduced plant operating costs

Continuous collaboration with research laboratories results in state-of-the-art technical innovations in terms of durability of wear parts and reliability of mechanical components. Higher reduction with fewer crushing stages lowers your capital costs and saves energy. Metso's IC™ crusher automation process, easy machine operation, and easy and safe maintenance increase the global availability of the plant and profitability.

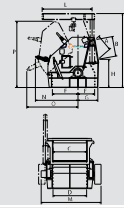
Benefits of Nordberg NP Series

- High end production rate
- High plant availability
- Adaptable for all applications
- High quality for low CAPEX





Nordberg® NP Series™



Main dimensions and weights				
NP Model	Crusher complete	Rotor complete	Rotor diameter	Rotor width
Primary range	NP1113*	17 683 kg 39 249 lbs	4 368 kg 9 610 lbs	1 300 mm 51 1/2"
	NP1415*	27 219 kg 60 120 lbs	13 902 kg 30 654 lbs	1 500 mm 59 1/2"
	NP1622**	47 243 kg 105 058 lbs	15 953 kg 35 248 lbs	1 800 mm 70 7/8"
	NP2023**	85 683 kg 187 990 lbs	30 203 kg 66 937 lbs	2 000 mm 78 7/8"
Secondary range	NP1119*	7 529 kg 16 598 lbs	2 981 kg 6 578 lbs	1 000 mm 39 3/8"
	NP15*	17 268 kg 38 068 lbs	4 463 kg 9 838 lbs	1 300 mm 51 1/8"
Secondary & tertiary	NP15*	16 753 kg 36 917 lbs	4 375 kg 9 648 lbs	1 300 mm 51 1/2"
	NP20*	30 759 kg 67 975 lbs	11 652 kg 25 701 lbs	1 500 mm 59 1/2"
	NP20*	38 073 kg 83 978 lbs	13 312 kg 29 347 lbs	1 600 mm 62 9/8"

Clearance dimensions (mm/inch)

NP Model	A	B	C	D	E	F	G	H	K	L	M	N	O	P
Primary range	NP1113*	1 050	1 252	1 320	1 360	760	964	1 386	3 765	2 190	2 260	2 340	2 764	3 420
	NP1415*	44 1/2"	49 3/4"	52"	53 1/2"	30"	38 1/8"	54 3/4"	148 1/4"	87 3/8"	90 1/2"	93 1/4"	109 1/2"	135"
	NP1622**	1 140	1 320	1 340	1 360	800	980	1 420	4 000	2 260	2 310	2 420	2 820	3 600
	NP2023**	1 480	1 640	2 040	1 960	900	1 030	1 720	4 950	3 060	3 060	3 240	3 850	4 800
Secondary range	NP1119*	1 700	1 960	2 010	2 220	1 140	1 420	2 220	6 200	3 000	3 420	3 330	4 100	5 134
	NP15*	67 1/2"	76 3/4"	78 1/2"	87"	44 1/2"	56 1/4"	87 1/4"	204 1/2"	124 1/4"	134 1/2"	130 1/2"	161 1/2"	202 1/4"
Secondary & tertiary	NP15*	710	820	1 020	1 100	462	794	1 120	3 060	1 800	2 106	1 800	2 040	2 716
	NP15*	28"	32 1/4"	40 1/2"	43 1/2"	18 1/2"	31 1/2"	44 1/2"	123 1/4"	70 7/8"	82 3/4"	72"	80"	107"
	NP20*	700	760	1 020	1 100	700	800	1 100	3 040	1 800	2 000	1 900	2 080	2 760
	NP20*	28"	30"	39"	43"	27 3/4"	31 1/2"	43 1/4"	123 1/4"	70 7/8"	78 7/8"	74"	81 1/2"	107"
Technical data	NP Model	Feed opening	Maximum feed size	Nominal installed power	Maximum installed power									
	Primary range	NP1113*	1 320 x 1 225 mm (52" x 48 1/2")	800 mm (31 1/2")	200 kW (267 hp)	254 kW (338 hp)								
		NP1415*	1 340 x 1 320 mm (52 3/4" x 52 1/2")	1 000 mm (39 3/8")	250 kW (333 hp)	313 kW (418 hp)								
		NP1622**	2 040 x 1 824 mm (80 1/4" x 71 3/4")	1 300 mm (51 1/8")	400 kW (532 hp)	500 kW (669 hp)								
NP2023**	2 320 x 1 968 mm (91 3/8" x 77 1/2")	1 500 mm (59 1/8")	1 000 kW (1 341 hp)	1 200 kW (1 613 hp)										
Secondary range	NP1119*	1 020 x 820 mm (40 1/2" x 32 1/4")	600 mm (23 1/2")	160 kW (213 hp)	204 kW (273 hp)									
	NP15*	1 360 mm (53 1/2")	800 mm (31 1/2")	200 kW (267 hp)	254 kW (338 hp)									
Secondary & tertiary	NP15*	1 340 x 1 320 mm (52 3/4" x 52 1/2")	800 mm (31 1/2")	313 kW (418 hp)	393 kW (523 hp)									
	NP20*	2 040 x 1 824 mm (80 1/4" x 71 3/4")	1 000 mm (39 3/8")	500 kW (669 hp)	620 kW (831 hp)									
	NP20*	2 320 x 1 968 mm (91 3/8" x 77 1/2")	1 300 mm (51 1/8")	1 000 kW (1 341 hp)	1 200 kW (1 613 hp)									