



Nordberg NB Series Conveyors





1400 meters of conveyors in Hong Kong

Thousands of References

With over one hundred years of experience, and tens of thousands of conveyors in operation, Metso Minerals offers a range of conveyors answering your requirements for safe, reliable and easy to maintain equipment.

Being a world leader for supplying crushing equipment, Metso Minerals will bring you satisfaction by improving your competitiveness with an improved reliability.

Fast installation

Reduced erection time means reduced costs. Metso Minerals has designed truss frames that are simple and compact and therefore, easy to dismantle, transport and erect. During erection the need for staff and handling equipment is reduced. Start up is sooner accordingly. The documentation, including an erection guide, is clearly illustrated and available in several languages e.g. English, French, German, Spanish.

Beyond this assembly guide, Metso Minerals developed several documents available on CD ROM, including an assembly video, spare parts catalogue.

Moreover, all parts dispatched by the company are identified. This identification procedure is performed by our dispatch department which service is specifically dedicated to transport matters. This system enables us to have more control over dispatching, but also guarantees you a reliable control of your parts when received on site.

This is the level of quality we guarantee !

Reliable head and tail assemblies

Fully assembled head and tail components assure you of a trouble free operation from start up. Good belt tracking is a must for a belt conveyor user. A crowned tail pulley, coupled with a rubber coated head pulley, ensures excellent tracking and increases the belt life.



Good belt tracking.



Tail and tension assembly.



Head and drive assembly.



Optimal safety

People's safety and well-being are the top priorities. The risk of an accident is always present along the conveyor. Therefore, Metso Minerals has developed a comprehensive range of safety devices to assure operators' protection, whilst still keeping the products competitive. The standard enclosures and belt plough at the tail pulley are used, as well as emergency stop cables that can be completed with emergency stop buttons. Nip point protection is also systematically proposed.

Professionalism

Metso Minerals people are always at your service. We aim to become fully aware of all our customer's needs in order to guarantee the performance and productivity of your investments. We are committed to meet your expectations also by mastering design, quality of manufacturing and on time delivery.

Easy maintenance and minimised servicing needs

The minimised need for servicing and maintenance saves time and reduces operating costs. All our components are selected from the reputable worldwide suppliers. All the mechanical components are selected for a 25 000 hours life span. Walkways, with anti-skid flooring, are overdimensioned to facilitate inspection and servicing conditions. Likewise, the full accessibility to different components reduces the maintenance time, which furthermore results in reduced downtime.

Environmental protection

Environmental protection is also our responsibility. Metso Minerals has developed a canvass cover system, which gives an excellent sealing by being both tough and flexible. This is a good example of environmental protection, which is both aesthetic and efficient.



Field conveyor type.



Guide and sealing chute over full length.



Conveyor with side walkway and cover.

Turnkey plant in Spain.

Specifications

Description			Belt width (mm)					
			NB 500	NB 650	NB 800	NB 1000	NB 1200	
TAIL ASSEMBLY	Length	(mm)	450			512		
	Tension length	short (mm)	320			400		
		Length (mm)	560			640		
	Feed hopper l x L	(mm)	500x1245	650x1260	800x1265	1000x2305	1200x2340	
	Pulley dia.	(mm)	245 (4 to 11 kW)	245 (4 to 11 kW)		324 (7.5 to 11 kW)		
		324 (15 to 37 kW)		406 (15 to 60 kW)				
		406 (45 and 60 kW)		508 (75 and 90 kW)				
HEAD	Length	(mm)	324	342		426		
	Powers	(kW)	from 4 to 11	from 4 to 60		from 7.5 to 90		
	Pulley dia.	(mm)	261 (4 & 5.5 kW)	340 (4 to 11 kW)		422 (7.5 to 11 kW)		
				422 (15 to 37 kW)		524 (15 to 60 kW)		
		340 (7.5 & 11 kW)	524 (45 and 60 kW)		646 (75 and 90 kW)			
INTERMED. STRUCTURE	Lengths	Standard truss (m)	1-2-3-4-5-6-7-8-9-10					
		High span truss (m)	2-3-4-5-6-7-8-9-10			2-4-6-8-10		
		Tapered high span truss (m)	6			10		
	Overall width	(mm)	820	1000	1150	1400	1650	
	Overall height	Standard truss (mm)	650	750	750	950	950	
		High span truss (mm)	1400	1400	1400	2000	2000	
		Tapered high span truss (mm)	650/1400	750/1400	750/1400	950/2000	950/2000	
	Max. span	without walkway	Standard truss (m)	16	20	20	22	22
			High span truss (m)	36	36	36	44	44
		with walkway	Standard truss (m)	12	16	16	18	18
			High span truss (m)	32	32	32	40	40
	Max. overhang	without walkway without disch. chute	Standard truss (m)	3	4	4	4	4
			High span truss (m)	8	8	8	10	10
		with walkway or with disch. chute	Standard truss (m)	2	3	3	3	3
			High span truss (m)	6	6	6	8	8
with walkway and with disch. chute	Standard truss (m)	1	2	2	2	2		
	High span truss (m)	4	4	4	6	6		
INTERMED. STRUCTURE	NF 53301 ISO 1537	Carrying	Ø x L x th (mm)	89x200x3	89x250x3	89x315x3	133x380x3	133x465x4
			Idlers spacing (mm)	1000 (250 under feed chute)				
			Nb of idlers per set	3	3	3	3	4
			Through angle	35°	35°	45°	45°	45°
			Shats: Ø x L (mm)	20x226	20x276	20x341	20x406	20x491
			Flats: thickness x distance (mm)	14x208	14x258	14x323	14x388	14x473
		Return	Ø x L x th (mm)	89x600x3	89x750x3	89x950x3	89x1150x3	89x1400x4
			Idlers spacing (mm)	3000				
			Nb of idlers per set	1	1	1	1	1
			Shats: Ø x L (mm)	20x626	20x776	20x976	20x1176	20x1426
			Flats: thickness x distance (mm)	14x608	14x758	14x958	14x1158	14x1408
			Throughing length (mm)	1450	1450	1450	1667	1667
BELT	Breaking strenght (N/mm) Number of plies Rubber cover thickness (mm)	200/2 3+1	●					
		250/2 3+1.5	●	●				
		315/2 4+2	●	●	●			
		400/3 4.2		●	●	●		
		500/3 5.2			●	●	●	
		630/3 6+2				●	●	
800/3 8+3					●			

Alsace/France

Radial stacker and link conveyors equipped with flexible covers. Protection : nip angle and grating foot.



Hong Kong

1000 mtp/h of 0/20
34 belt conveyors
total length = 1400 m / installed power = 1200 kW
Waterspraying system
All conveyors are fully dust encapsulated.



France

180 t/h of 0/31,5 mm
Fast installation
Rigid covers
Safety systems



Metso Minerals North and Central America

3073 South Chase Avenue
Milwaukee, WI 53207

USA

Phone: +1 414 769 4300

Fax: +1 414 769 4730

Metso Minerals South America

Caixa Postal 272
18035-240 Sorocaba

Brazil

Phone: +55 152 191 300

Fax: +55 152 191 695

Metso Minerals Asia-Pacific

P.O. Box 399

West Perth, WA 6872

Australia

Phone: +61 8 9420 5555

Fax: +61 8 9320 2500

Metso Minerals North and Central Europe

P.O. Box 4004

20311 Malmö

Sweden

Phone: +46 40 24 58 00

Fax: +46 40 24 58 78

**Metso Minerals South Europe and
Mediterranean**

41 rue de la République

71000 Mâcon

France

Phone: +33 3 85 39 63 00

Fax: +33 3 85 39 63 49

Metso Minerals Southern Africa

Wordsworth Office Park

41 Wordsworth Avenue, Senderwood

Johannesburg 2007

South Africa

Phone: +27 11 723 2000

Fax: +27 11 723 2080

Metso Minerals HQ

P.O. Box 307

33101 Tampere

Finland

Phone: +358 20 484 140

Fax: +358 20 484 141

www.metsominerals.com

E-mail: minerals.info.csr@metso.com



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