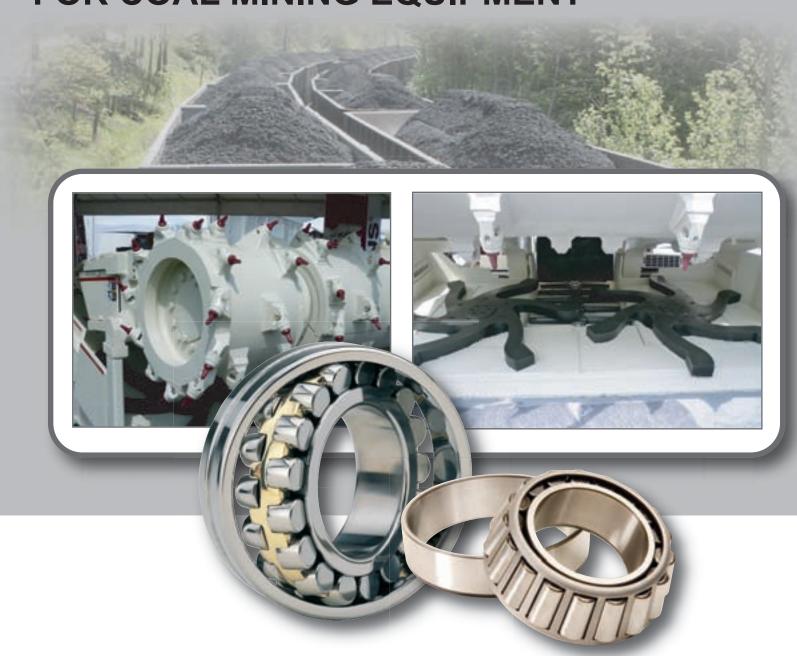


PREMIUM BEARINGS FOR COAL MINING EQUIPMENT







- Domestically produced case-carburized tapered and cylindrical roller bearings
- E-type spherical roller bearings with the highest dynamic and static load ratings in the industry
- Ultra-Class[™] and heavy-duty spherical roller bearing mounted units, with exclusive design features for the harshest of conditions
- As one of the world's largest manufactures of constant velocity joints (CVJs), NTN offers a line of both custom and off-the-shelf CVJs as well as extensive technical support
- Complete wheel bearing kits for the 10SC and 21SC shuttle cars

CONTINUOUS MINER

Cutter Head Drum Planetary Gearing Gathering Pots Crawler Unit

HIGHWALL MINER

Cable Reel Crawler Drives Auger System Cutter Head

FEEDER BREAKER

Breaker Head Conveyor Drive Tail Pulley Crawler Unit

LONGWALL MINER

Cutter Head Ranging Arm Conveyor drive

SHUTTLE CAR

Wheel & Drive Units Conveyor drive

ROOF BOLTER

Crawler Unit Drill Heads Cylinders

21SC Wheel Unit Kit

NTN PN	Joy PN	Quantity Per Kit
39520	00960110 0001	1
39590	00950110 0002	1
46176	00950213 0001	1
46792	00950116 0003	1
46368	00960213 0001	1
46790	00950116 0001	1
46720	00960116 0001	2
47420	00960117 0001	1
47490	00950117 0001	1
22780	00950089 0001	1
22720	00960089 0001	1
M1307EL	-	1

10SC Wheel Unit Kit

NTN PN	Joy PN	Quantity Per Kit
47890	00950119 0001	1
47820	00960119 0001	2
47896	00950119 0002	1
66212	00950028 0001	1
66225	00950132 0003	1
66462	00960132 0001	2
LM742710	00960195 0001	2
LM742745	00950195 0002	1
LM742749	00950195 0001	1
M1309EL	-	1

^{*} Metric kits also available upon request

For Technical questions: eng@ntnamerica.com

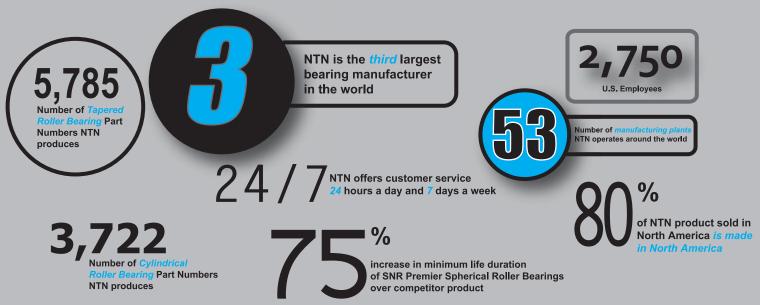


ABOUT NTN

Founded in 1918, NTN is one of the world's largest producers of premium quality ball and roller bearings, long recognized for the most stringent quality standards in the industry. With plants around the globe and a strong domestic manufacturing network, over 80% of the products sold by NTN in North America are made by one of the seven plants the company operates in the USA and Canada. In addition, NTN's strategically located warehouses and Verified Value Added™ Program ensures its customers continually receive the best value in quality bearing solutions.

For more information on NTN, please visit www.ntnamerica.com.

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