We are Rare Earth

Moving your business forward, one conveyor belt at a time

We are a team of experienced professionals dedicated to providing high-quality, reliable conveyor belts for a variety of material handling applications. With years of experience and a team of expert engineers, we are committed to delivering high-quality, reliable products to our customers.

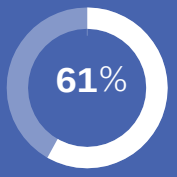
We are an ISO 9001:2015 certified organization and have been verified independently by a third-party organization. Our team of engineers is consistently working to improve and innovate in order to offer our customers the highest quality products and services possible.

Conveyor Belts

Which Save Energy and Money

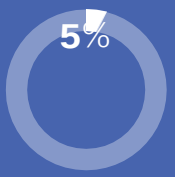
There has been significant technical progress in the transport of bulk materials in the last several years. The next step to improved conveyor efficiency is the reduction of power required to operate these high performance systems. Just as some tyres provide lower rolling resistance, depending upon their construction and compounds, similarly a conveyor belt can also be designed to provide lower resistance as it rolls over the support idlers. The power required to operate a typical conveyor belt has been studied, both theoretically and dynamically. As the belt passes over an idler, the pulley cover rubber passes through a compression/rebound cycle that absorbs power. It has been determined that on long center horizontal conveyors, the rolling resistance power lost due to the indentation effect can reach upto 61% of the total system power

Causes of Power Loss



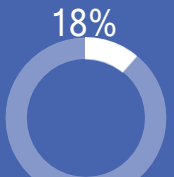
Indentation Rolling Resistance

Bearing Resistance

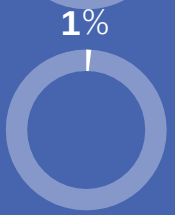


Flexure Resistance of Belt

Secondary Resistance



Flexure Resistance of Material



Extraordinary Resistance

Using specialized bottom rubber compounds, our belts will help in reducing total system power (based on field measurement test). Our belts will reduce the power consumption up to 12%. This saving will continue year after year resulting in lower operating cost

Fabric Rubber Conveyor Belt

Rare Earth Conveyor Belts are quality products with an extremely high degree of reliability. Rare Earth is the qualified supplier of different types of conveyor belts which meets all the industrial requirements.

Fabric Rubber Conveyor Belt

Steel Cord Rubber Conveyor Belt

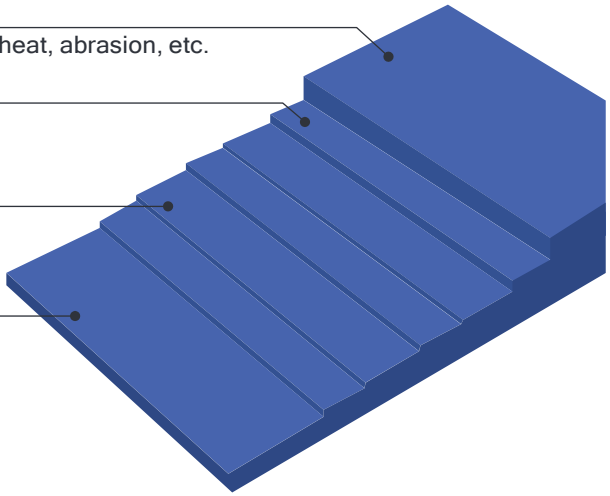
Conveyor Belt Construction

Top Cover
Designed to protect the carcass from conditions like oil, heat, abrasion, etc.

Skim Coat
Compounded for excellent adhesion between plies for protection against ply separation.

Carcass
Extremely low stretch characteristics of fabric and high troughability.

Bottom Cover
Excellent in abrasion and flexibility, provides wearing surface against pulleys and idlers.



Rubber Cover Thickness

Condition	Moderately Abrasive	Abrasive	Highly Abrasive	Extremely Abrasive
Material Carried	Fine Coal, Grain, Wood Chips, Ash, Cement etc.	Sand, Coal, Clay, Salt etc.	Limestone, Crushed Stone, Coke etc.	Ores, Slag, Cullet, etc.
Lump Size / Belt Cycle	0-2" (0-50mm)	2"-6" (50-150mm)	6"-10"" (150-250mm)	8"-12"" (200-300mm)
0-20	1/6 - 1/8 (1.5-3.0 mm)	1/8-3/16 (3.0-5.0 mm)	3/16-1/4 (5.0-6.0 mm)	1/4-5/16 (6.0-8.0 mm)
20-60	1/16-3/32 (1.5-2.5 mm)	1/8-3/16 (3.0-5.0 mm)	3/16-1/4 (5.0-6.0 mm)	1/4-5/16 (6.0-8.0 mm)
60-300	1/16-3/32 (1.5-0.8 mm)	1/16-3/32 (1.5-2.5 mm)	1/8-3/16 (3.0-5.0 mm)	3/16-1/4 (5.0-6.0 mm)

Abrasion Resistant

Rubber Cover Grade: RMA, DIN, BS, AS, JIS, IS

Cover Grade	Tensile Strength (Mpa)	Elongation Min. (%)	Abrasion Loss Max. (mm^3)
DIN-X	25	450	120
M-24	24	450	150
N-17	17	400	200

General Conveyor Belt

There are two types of fabrics used in conveyor belt construction namely polyester and nylon. They are highly impact and damage resistant and are suitable for transportation of materials like ore, crushed stones, grain, sand etc. We use combination of both the fabrics to make best use of their properties.

Polyester Fabric (EP) Conveyor Belt

The combination of polyester in warp and nylon in filling provides technically low-stretch and high impact abuse resistance.

- High tensile strength
- Outstanding dimensional stability
- Provides complete protection against mildew & water
- Low elongation
- Highly impact resistant

Grade		EP100	EP125	EP150	EP200	EP250	EP300	EP350	EP450
Min . Tensile Strength	Kg/cm-ply	100	125	150	200	250	300	350	400
"Working Tension Rating (Vulcanized)"	Kg/cm-ply	10	12.5	15	20	25	30	35	40
"Approx. Gauge per ply with skim coat"	mm	0.9	1	1.1	1.2	1.4	1.6	1.8	2

Nylon Fabric (NN) Conveyor Belt

- Exceptionally shock & impact resistance to the carrying surface
- Excellent troughability and flexibility
- High resistance to water and mildew
- Superior in fastener holding ability
- Ability to run on smaller diameter pulleys

Grade		NN100	NN120	NN150	NN200	NN250	NN300	NN350	NN400
Min . Tensile Strength	Kg/cm-ply	100	120	150	200	250	300	350	400
"Working Tension Rating (Vulcanized)"	Kg/cm-ply	8.4	10	12.5	16.7	20.8	25	29.2	33.3
"Approx. Gauge per ply with skim coat"	mm	0.9	1	1.1	1.2	1.4	1.6	1.8	2

Carcass Grade (EP & NN)

Grade	160	200	250	315	400	500	630	800	1000
2ply	160/2	200/2	250/2	315/2	400/2				
3ply			250/3	315/3	400/3	500/3	630/3	800/3	1000/3
4ply					400/4	500/4	630/4	800/4	1000/4
5ply						500/5	630/5	800/5	1000/5
6ply							630/6	800/6	1000/6

Flame Resistant Conveyor Belt

It is designed for the best service conditions of coal mining industries. It is suitable for mining, power plant, electric utilities, coal cleaning plants. The different rubber compounds are available in accordance with its requirement.

FR-MOR

Fire Resistant with medium oil, resistance in accordance to USMSHA (Mine Safety and Health Administration). It is recommended for the typical applications like oil treated coal and grain industries requiring fire & oil resistance and static conductivity with lower resistance than 1MQ.

FR-SBR

Fire Resistant rubber cover in accordance to USMSHA requirements (Mine Safety and Health Administration). It is highly resistant to wear and cold.

FR-GR

Specially compounded SBR rubber cover for under-ground operations requiring fire resistance and static conductivity. The important characteristic is self- extinguishable rubber cover.

Flame Resistant

Rubber Cover Grade: USMSHA, DIN, CAN, AS etc.

Type	COVER RUBBER			
	Application Grade	Min. Tensile Strength		Minimum Elongation (%)
		kg/cm^2	psi	
FR-MOR	MSHA/MOR (USA)	150	2100	400
FR-SBR	MSHA/SBR (USA)	140	2000	400
FR-GR	ISO, DIN, JIS, KS	140	2000	400

Heat Resistant Conveyor Belt

It is suitable for critical applications like hot sintered ore, hot pellet, hot clinker, hot chemical, fertilizer, hot cement, etc.

Standard specifications

Carcass : Steel cord, Nylon, Polyester
Tensile Strength : 100-6.000N/mm
Belt Width : 300-2400mm
Length : Steel cord belts 50m and over, fabric belts 10m and over
Rubber Cover : T1, T2, T3

The surface temperature of the belt varies with the type and size of the material being carried. Like large lumps (e.g. sintered ores, coke), which allow air to circulate, the belt surface would be cooler than the lumps.

In the case of powdery or similar materials. Such as cements, alumina, carbon black, etc., there is almost no temperature difference between material and belt surface. Therefore, in selecting a belt, it is necessary to know not only the temperature of the material to be carried but also to have an accurate idea of the surface temperature (the belt will be operating at).

Heat Belts & Features

Temperature	Type	Color	Temperature Range of Materials	Surface Temp.	Features	Applications
Low Temperature	T1	Black	Lumpy materials 70-200°C Powdery materials 70-150°C	60-120°C	Heat hardening type	Suitable for low temperature materials which are abrasive Coke, Sintered Products, etc.
High Temperature "	T2	Black	100-200°C	60-150°C	Heat softening type Almost non-crack cover suitable for powdery materials	Suitable for high temperature materials which are medium abrasive Sintered Ore Products, Cement Clinker, Hot Powdery Materials etc.
	T3	Black	100-250°C	60-200°C	Excellent wear resistant cover under high temperature. Suitable for lumpy materials	Suitable for high temperature materials which are medium abrasive Coke, Sintered Ore Products, etc.

Heat Resistant Conveyor Belt

For Attention Of The User

The temperature of material being transported and the belt's surface temperature vary according to the material and shape. For instance, when materials have a temperature of 150 °C (such as coke or sintered ore) and have a relatively small contact area, belt's surface temperature could remain at 60-80 °C. In contrast, when powdered material like cement is being conveyed, the material and the belt surface temperature do not differ so greatly. The lifetime of the heat resistant belt is largely affected by the belt's surface temperature during operation.

Characteristics of Heat Resistant Belt

- Rubber cover and carcass should not deteriorate due to heat.
- Rubber cover on carcass should maintain excellent properties, even at high temperatures and good adhesion to form one unit, even when they are exposed to high temperatures.

The surface temperature of heat resistant belt varies with the material type, belt speed, loading rate and size depending on circumstances. In order to select the proper heat resistant belt, it is necessary to consider the temperature of the material to be conveyed and the surface temperature of the belt.

Materials Carried		NN100	NN250
Sintered Ore	200°C	50-100°C	T1
	200°C	100°C downward (Lump Condition)	T1
		100-130°C	T2
		130-180°C	T3
Return of Sintered Ore	150°C downward	50-80°C	T1
	150°C upward	80°C downward (Lump Condition)	T1
		80-130°C	T2
		130-180°C	T3
Spherical Ore	120°C upward	80°C downward	T1
	120°C downward	80°C upward	T2
Pellet	150°C downward 150°C upward	100°C downward	T2
Coke	60-400	100°C downward	T1
Cement	120°C downward	50-80°C	T1
	120°C upward	80-130°C	T2
Dried Lime Dried Clay	120-150°C	100°C upward	T2
	200°C downward	50-100°C	T1
	500°C upward	100-130°C	T2
	500°C upward	130-180°C	T3
Cement, Steel, Mills, Chemicals, Fertilizers	80°C downward	70-120°C	T1
	80°C upward	120-180°C	T2
	120°C downward	50-100°C	T3
Molding	120°C downward	100-120°C	T2
	120°C upward	120-180°C	T3

Restrictions on the use of heat resistant belt

- Do not use SBR heat resistant belt when:
- Powdered material is over 70 °C
- Strong acid or alkaline is used
- Oil products and oil-stained substances are used.
- The operation site or the materials requires flame-resistant belts.

Oil/Heat & Oil Resistant Conveyor Belt

Heat Belts & Features

Type	Min. Tensile Strength		Min.Elongtion (%)	Volume Charge(%) ASTM#3 Oil	Use
	kg/cm2	psi			
OR -100	100	1400	Min. 350	Max. 150	Wood chip, Linseed, cottonseed, Kernel corn and whole soybeans, static conductivity and moderate oil resistance.
OR -200	120	1700	Min. 350	Max. 90	Oil - treatment materials and for carring oily metal turnings and shavings, crushed soyabeans, animal or vegetable fats.
OR -300	120	1700	Min. 400	Max .20	Oily metal parts, crushed soyabeans, automatic hydrocarbons such as benzol, toluene and petroleum based oils.
HTN/HOT	120	1700	Min. 400	Max.60	Hot asphalt and other oil & heat resistant application.

This cover grade is specially made up of blended synthetic rubber compounds and is designed to give very high resistance to mineral, vegetable & animal oil & fats.

OR-100

It is resistant to Moderate Oil operations like wood chips, linseed, cottonseed and whole soybeans where static conductivity is needed.

OR-200

It has superior oil resistance to various kinds of animal and vegetable oils with severe cold temperatures up to -45°C

OR-300

It has excellent resistance to the toughest oil applications such as oil-treated coal and petroleum based oils.

HTN/HOT

It is recommended for conveying hot asphalt with material temperature up to max. 175°C (in normal conditions) where both oil & heat resistance are required.

Burning Resistant (Upto 400 °C)

Widely used for metallurgy, foundry, cement and chemical industries. The temperature of material to be conveyed reaches 200-600 degree celsius and occasionally reaches upto 800 degree celsius both oil & heat resistance are required.

Usage

It is widely used in the fields of metallurgy, cement, casting, chemical and etc., especially suitable for the places with open or closed fire.

Types and Specifications

Carcass	Fabric Specs	Tensile Strength (N/mm)	Widthmm	Length mm
Steet Mesh	STN630	630	≤2400	≤200
	STN800	800		
	STN1000	1000		
	STN1250	1250		

Physical Properties

Carcass		Variation Range
Hardness	Difference before and after aging (IRHD)	20
	Maximum value after aging (IRHD)	80
Tensile Strength	Change rate of property (%)	30
	Minimum value after aging (Mpa)	10
Break Elongation	Change rate of property (%)	-50 , +50
	Minimum value after aging (%)	200

Quarry Supreme Conveyor Belt

It is suitable for transportation of quarry. It is specially designed for the primary conveyor lines and to make transportation easier.

Crow's Foot Weave Fabric

The specially designed Crow's Foot Weave fabric used in "Quarry Supreme" belt has extremely high tear strength up to 5 times compared with a plain woven standard fabric which has an excellent fastener holding ability.

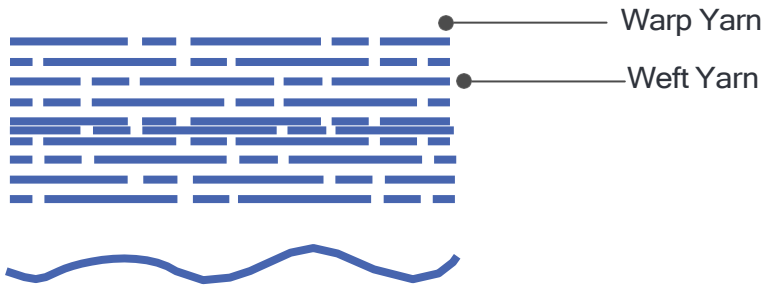
CFW Fabric Grade & Cover Rubber

Specification	CFW250X2P	CFW250X3P	CFW315X2P	CFW315X3P	CFW315X4P	CFW350X3P	CFW350X4P
No. of Plies	2	3	2	3	4	3	4
(kg/cm)	50	75	63	95	126	105	140
(lb/inch)	280	420	350	530	700	580	780
Thickness	3/16" – 1/4"	1/4" – 5/16"	1/4" – 5/16"	1/4" – 5/16"	5/16" – 3/8"	5/16" – 3/8"	5/6" – 1/2"

Extra Cut Resistance Rubber Cover

This rubber cover grade is made especially for operation requiring extreme resistance from cutting & gouging for sharp, jagged and abrasive materials.

Crow's Foot Weave Fabric



Pipe Conveyor Belt

It is suitable for resistance to flex fatigue and abrasion by materials to be carried with superior ply adhesion.

Special Features

- Covered transportation in order to prevent materials from overflowing, drop-down, scattering and mixing with foreign materials from outside.
- It is economical for curve (45˚-90˚) and incline (up to 30˚) transportation due to easy design of conveyor line and limited space.

Pipe Diameter (mm ø)	Cross Section Area (75%)	Belt Speed (m/min)	Capacity (m3/hr)	Material Size (mm)	Comparison with Standard C/Belt (mm)
150	0.013	120	95	30-50	300 - 500
200	0.023	130	180	50-70	500 - 600
250	0.041	140	344	70-90	600 - 750
300	0.049	145	441	90–100	750 - 900
350	0.066	175	693	100–120	900 - 1050
400	0.108	200	1296	120–150	1050 - 1200
500	0.155	225	2093	150-200	1200 - 1500
600	0.216	250	3240	200-250	1500 - 1800
700	0.29	275	4620	250-300	1800 - 2000
850	0.404	300	7272	300-400	2000 - 2200

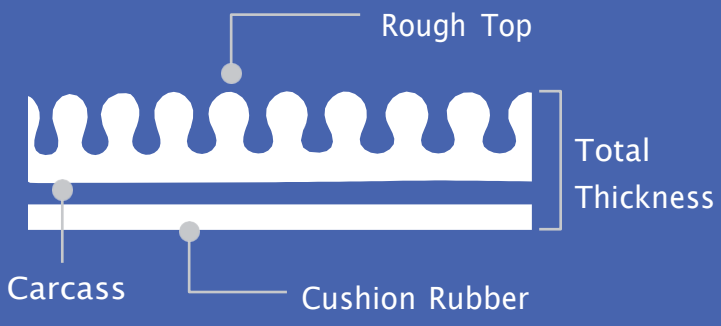
Rough Top Conveyor Belt

This belt has been designed for transporting fragile or easily deformed goods such as glass, paper bags, carton box, etc. The slip resistant surface is ideal for steep incline/decline applications.

Special Features

- Cushioning effect absorbs vibration and reduces slippage.
- Usable at the angle of 25-35 degrees, depending on goods to be carried.
- Low friction coefficient with bare back bottom.
- Two or three plies of synthetic fabrics provide high strength and flexibility.

Structure of the Rough Top



Pipe Conveyor Belt

This belt is used for Feeding System controlling input quantity accurately of materials.

- Proven reliability and long life in numerous applications
- Technically superior design

Feeding System

It is mechanically spliced, single ply feeder belt that enhances long term feeder accuracy and can be easily installed.

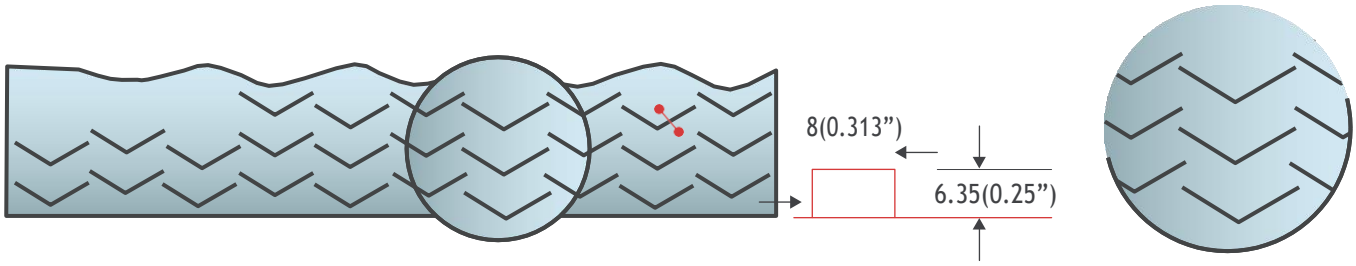
Incline Conveyor Belt (Chevron Cleated)

It is suitable for conveying sand, fine coal and grain materials by using steep inclines. Chevron-Cleats increase the quantity of granular materials in Fabric incline applications.

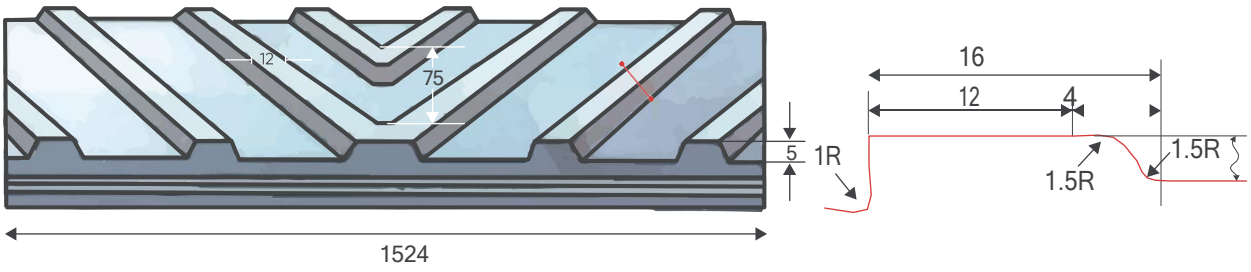
Special Features

- High quality fabric with low stretch.
- Cleat angle and pitch are designed for smooth travel cover over return idlers.
- Higher angle of 17-30 degree of incline.
- Wear resistant and oil resistant black rubber quality is available.

Multi- V Cleated Incline Belt



V Cleated Incline Belt

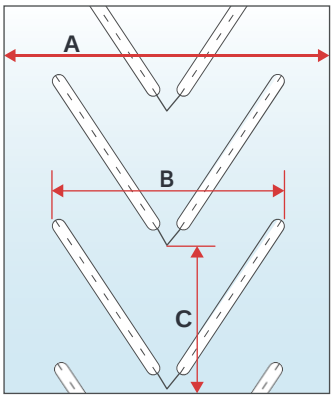


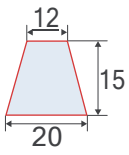
Incline Conveyor Belt (Chevron Cleated)

Steep Inclined Belt

C15 Type

A Belt Width	B Pattern Width	C Pitch
500	385	150
600	385	150
650	385	150
750	600	150
900	600	150
1000	600	150

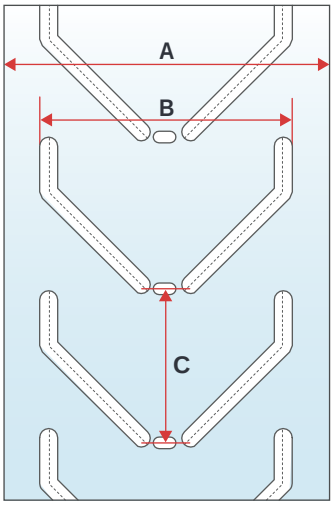


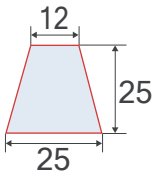


Steep Inclined Belt

C25 Type

A Belt Width	B Pattern Width	C Pitch
600	550	200
650	550	200
750	550	200
800	550	200
900	750	200
1000	750	200
1050	750	200
1200	750	200



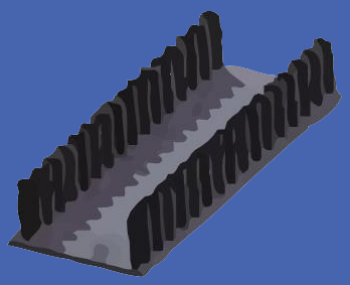


Sidewall Conveyor Belt

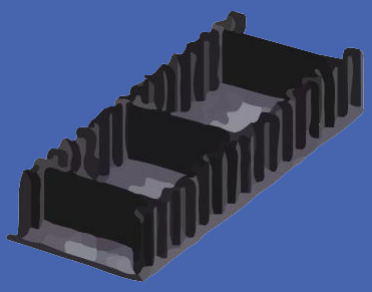
It is designed with two corrugated sidewalls molded to cross rigid base belt. It is developed in order to meet larger capacities with more steep inclined line.

Special Features

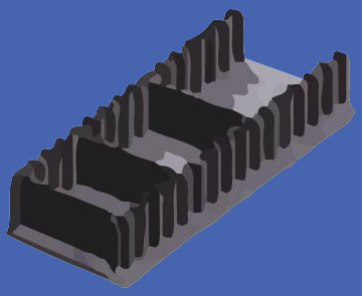
- Increases the transporting capacity to 4 times compared to standard conveyor belts
- Save installation space due to the possibility of increasing the angle of inclination up to 90°
- Protect the material from friction by solid cleats mounted on the belt



Type I
This type of sidewall belt has no cleat and is normally used for the inclination within 0- 16°

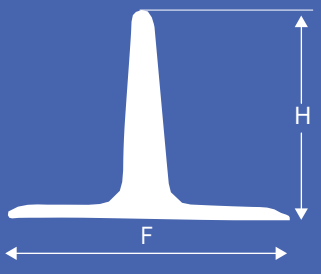


Type II
The cross-cleat provides better performance to be used for high degree of inclination up to 15-60"

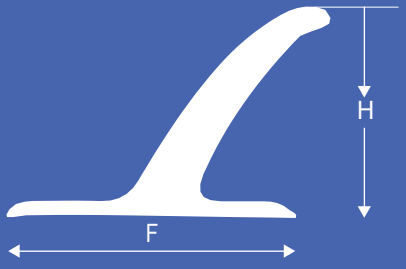


Type III
The cross-cleat with wider basebelt construction is suitable for the application up to more than 60°

Cleat Type



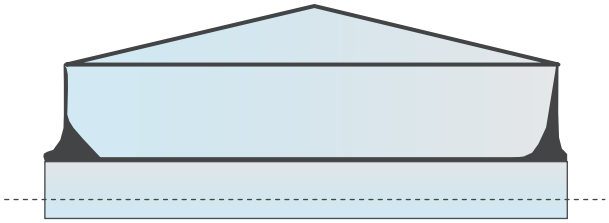
C-Type



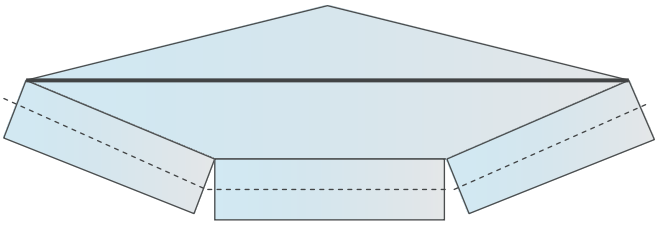
Sidewall Conveyor Belt

Cross Rigid Basebelt

In order to give maximum stability in the transverse directions, this basebelt is reinforced with specially designed filament fabric which provides better return side support, no wear and tear of cleats and rubber cover is available with various compounds like abrasion oil, heat and flame resistance.

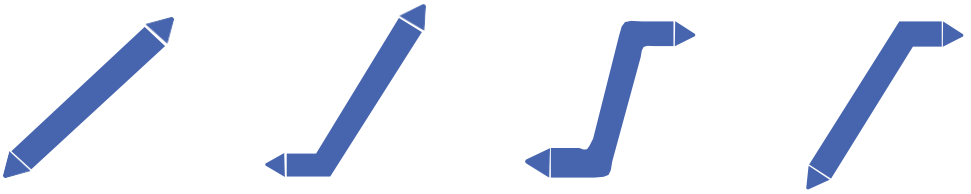


Cross Rigid Basebelt



Standard Conveyor Belt

Various Installations



I- Type L- Type S- Type RL- Type

Steel Cord Rubber Conveyor Belt

Rare Earth Steel Cord Conveyor belts are widely used in coal, mines, ports, power plants and chemical industries for conveying materials.

Rare Earth produces conveyor and process belts for light and medium duty in all industrial and service sectors. Rare Earth belts are able to meet with all types of Conveyors, whether horizontal, roller supported, troughed and inclined, etc.

Steel Cord Rubber Conveyor Belt

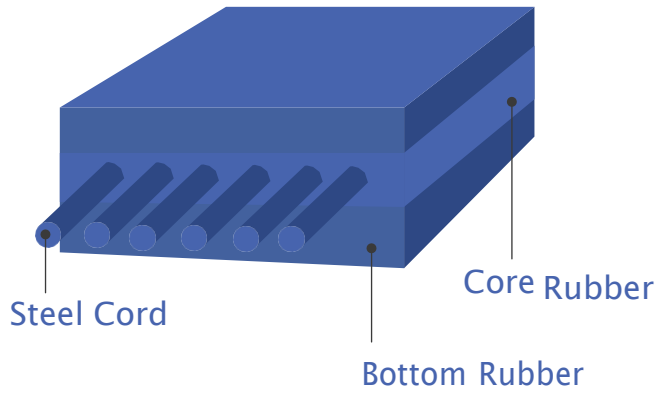
Structure of Conveyor Belt

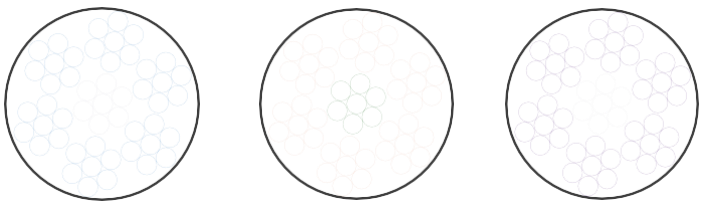
General Construction Type

Belt reinforcement consists of galvanized steel cord and core rubber which possesses superior adhesive property. Belt body comprises of top and bottom layer of rubber. Steel cord is made up of a left and right twisting wire, arranged evenly and longitudinally in the belt.

Features

With large tensile strength, long life, lower elongation, excellent troughability the belt is suitable for conveying materials over long distances with large loads and at high speeds.

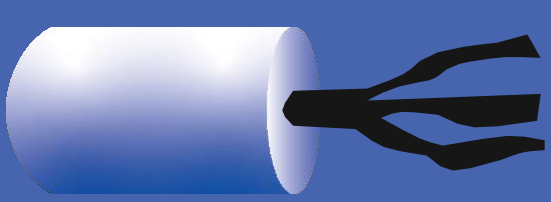


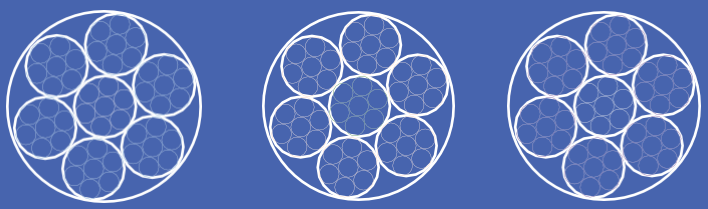


K7x7 K7x19 K7x19W

Each strand of steel wire has enough room for the core rubber to penetrate. This strengthens the bonding between the rubber and steel cord. Since the anticorrosive resistance to steel cord is excellent, the mutual shearing of strands and twisting of wires can be relaxed because of excellent dynamic fatigue resistance the life of belt is longer

Steel Cord Penetrated with Core Rubber





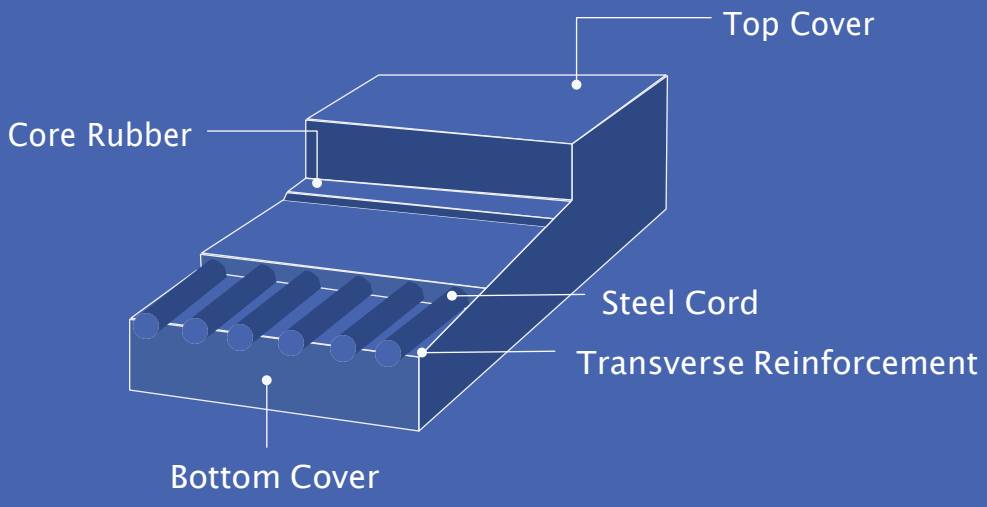
K7x7 K7x19 K7x19W

Structure

On both side or one side, the transverse reinforcement (steel cord, steel wire cord, fibre cord or textile fabric) is laid out.

Feature

High impact resistance Rip & Tear resistance



Performance of Conveyor Belt

Belt Type		ST 500	ST 630	ST 800	ST 1000	ST 1250	ST 1400	ST 1600	ST 1800	ST 2000	ST 2250	ST 2500	ST 2800	ST 3150	ST 3500	ST 4000	ST 4500	ST 5000	ST 5400
Tensile strength (N/mm)		500	630	800	1000	1250	1400	1600	1800	2000	2250	2500	2800	3150	3500	4000	4500	5000	5400
Max. Dia. of Cord (mm)		2.8	3	3.5	4	4.5	4.5	5	5	6	6.3	7.2	7.6	8.1	8.6	9.2	10.1	10.6	11.5
Min. Breaking Strength of Cord (KN/Cord)		5.6	7	8.9	13.2	16.5	18.5	21.1	23.7	26.4	29.6	41.7	46.7	52.5	58.4	66.7	80.4	89.3	103.9
Weight of belt (kg/m)		30.7	34.7	47.8	64	79.8	79.8	97.3	97.3	137	155	196	221	253	280	316	385	414	496
Pitch(mm)		10	10	10	12	12	12	12	12	12	12	15	15	15	15	15	16	16	17
Max.Working Strength of Belt (N/mm)		72	90	90	145	180	200	230	260	290	320	360	400	450	500	580	640	720	770
Min.Thickness of Cover (mm)		4	4	4	4	4	4	4	4	5	5	5	5.5	5.5	6	6.5	7	7.5	8
Min. Pulley Diameter (mm)	Head & Drive	600	600	650	750	850	950	1000	1200	1200	1400	1500	1550	1700	1800	1850	2000	2100	2400
	Tail & Take up	500	500	500	550	700	750	800	950	950	1200	1200	1250	1350	1400	1400	1600	1700	1900
	Bend & Snubs	350	350	400	450	500	510	600	700	700	800	900	950	1000	1050	1050	1200	1250	1400

Performance of Conveyor Belt

Belt Width (mm)	No. of steel cords																	
500 ± 5.0	45	45	45	38	38	38	38	–	–	–	–	–	–	–	–	–	–	–
650 ± 6.5	60	60	60	50	50	50	50	50	50	50	40	40	40	40	40	37	37	35
750 ± 7.5	70	70	70	59	59	59	59	59	59	59	47	47	47	47	47	44	44	41
800 ± 8.0	75	75	75	63	63	63	63	63	63	63	50	50	50	50	50	47	47	44
900 ± 9.0	85	85	85	71	71	71	71	71	71	71	57	57	57	57	57	53	53	50
1000 ± 10.0	95	95	95	79	79	79	79	79	79	79	64	64	64	64	64	59	59	56
1050 ± 10.5	98	98	98	82	82	82	82	82	82	82	66	66	66	66	66	62	62	58
1200 ± 12.0	113	113	113	94	94	94	94	94	94	94	76	76	76	76	76	71	71	67
1400 ± 14.0	133	133	133	111	111	111	111	111	111	111	89	89	89	89	89	83	83	78
1500 ± 15.0	141	141	141	118	118	118	118	118	118	118	94	94	94	94	94	89	89	93
1600 ± 16.0	151	151	151	126	126	126	126	126	126	126	101	101	101	101	101	95	95	89
1800 ± 18.0	171	171	171	143	143	143	143	143	143	143	114	114	114	114	114	107	107	101
2000 ± 20.0	–	–	–	159	159	159	159	159	159	159	128	128	128	128	128	120	120	113
2200 ± 22.0	–	–	–	176	176	176	176	176	176	176	141	141	141	141	141	132	132	125

NOTE : Belt beyond the above specification can also be made by request

Example of Identification

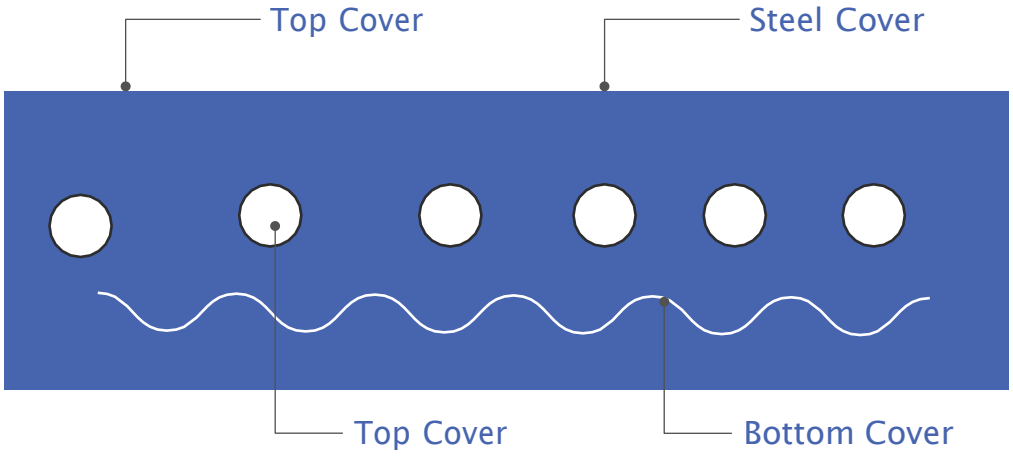
DIN - Y	M/E	1600	X ST	1400	X Ø	5.6	X	111	EA X	8	X	6	X Length					
↓	↓	↓		↓		↓		↓		↓		↓						
Grade of Cover Rubber	Type of edge Rubber	Belt Width (mm)		Tensile Strength of Belt (N/mm)		Cord Dia. (mm)		Total No. of Steel cords		Top cover Thickness (mm)		Bottom Cover Thickness (mm)						

Tear Resistance Conveyor Belt with Detector

It has highly extensible transverse steel cords or polyester cords evenly arranged in the top cover (or both top and bottom cover of the steel cord connected with micro detector. The tear layer is perpendicular to the running direction of belt. When the belt conveys hard and sharp materials. The an- ti-tear layer can stop it from being pierced. Even if the belt is pierced, the coil will beak and activate the detector to send sound/light alarm signal and give instruction to stop the machine.

Features

• Micro-detector with controlled memory with coils at regular intervals.
• Prevent abnormal running. In case of over or under speed, the unit will stop automatically to prevent wheel spin or other accident.
• Prevent off tracking, In case of too much off tracking, it will stop automatically.
• Measure the running speed, operating time, total mileage and length of belt.

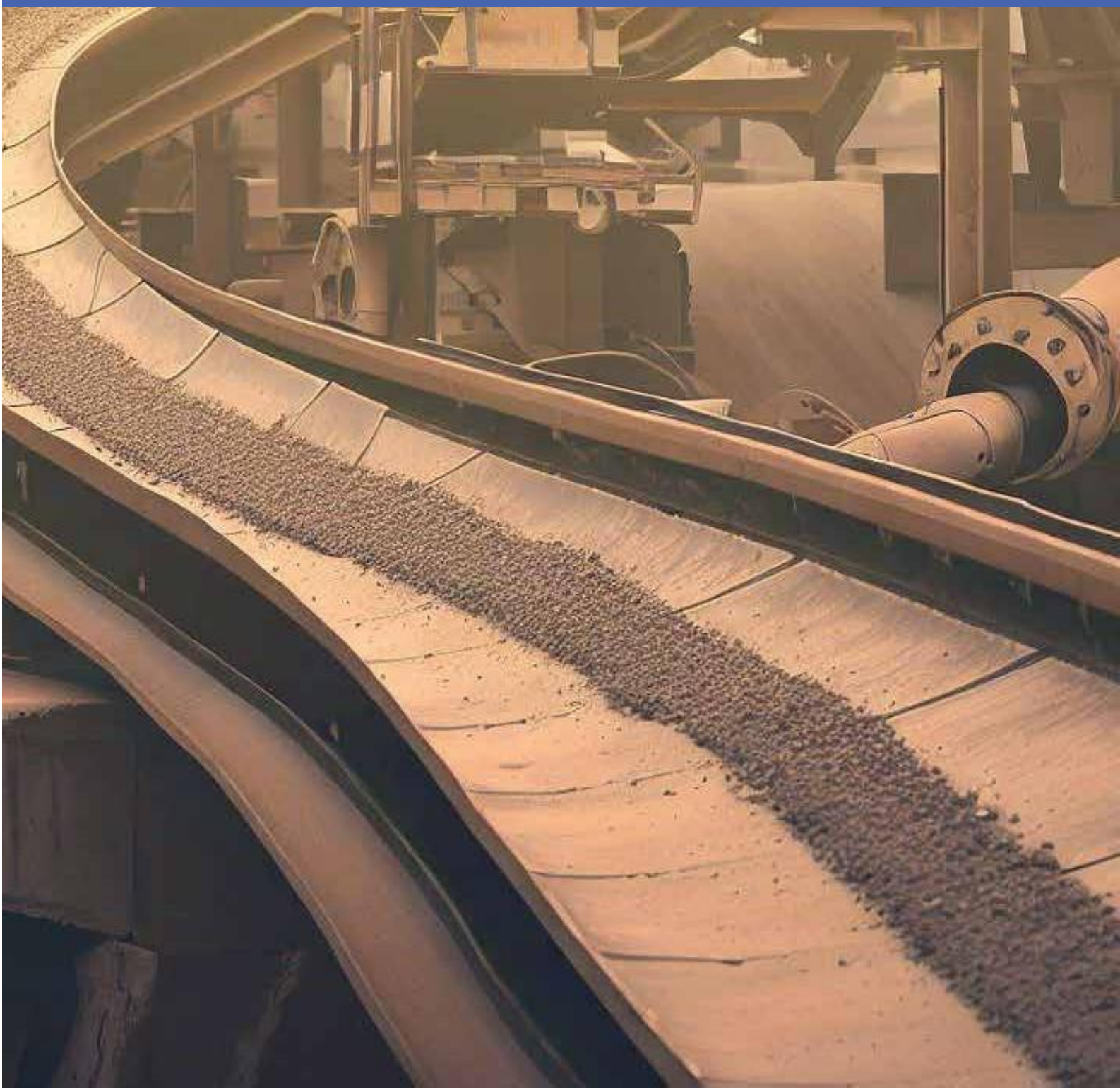


Steel Cord Belt For Bucket Elevators

Rare Earth steel cord elevator belts are designed for heavy duty industrial applications with long centre distances, requiring straight running and reliability with high safety factors. Their construction and characteristics differ from those of traditional steel cable belts. Their steel cord carcass consists of low elongation, yet high elasticity steel cords in the length and cross rigid cables in the width all embedded in a solid rubber mass that cannot delaminate. The built-in elasticity allows running over lightly crowned pulleys while the rigid weft construction warrants excellent straight tracking. Manufacturing norms: DIN 22131 and ISO Norms.

- **Rare Earth Elevator Belts** are available in normal and high temperature resistant qualities & offer excellent life in the most arduous applications.
- **Rare Earth T 100** an improved version of the above suitable for product temperature of 90-100°C and very short peaks up to 120°C
- **Rare Earth T 130** based on SBR rubber, suitable for product temperature upto 130° C and short peaks upto 150°C
- **Rare Earth T 150** based on EPDM rubber, suitable for product temperatures upto 150°C and short peaks upto 180°C.

Credentials



TATA

Date: 22nd February 2012

Purchase Order No: 4220005020

PERFORMANCE CERTIFICATE

With reference to the Purchase Order Number 4220002050 the Performance of Rubber Conveyor Belt with Specification as M-24 Grade, Width 600MM, Top Cover 5MM and Bottom Cover 2MM, Make: Dura, as per IS 1891 Part I for 200 Meters, for Customised fertilizer plant supplied by M/S Rare Earth Conveyors (P) Limited, New Delhi is found satisfactory.

We are happy with the product performance in terms of quality and timely delivery.

The Technical support and backup we get from M/S Rare Earth Conveyors (P) Ltd is found to be Excellent.

FOR TATA CHEMICALS LIMITED

22-02-12

Mohammed Imran Siddiqui

Manager – Mechanical Maintenance

Tata Chemicals Limited, Babrala.

TATA CHEMICALS LIMITED

Indira Dham Babrala 242 021 District Badaun UP India

Tel +91 (05836) 664777 664888 664990 +91 Fax (05836) 664218 e-mail babrala@tachemicals.com www.tatachemicals.com

Registered Office Bombay House 24 Homi Mody Street Mumbai 400001

ADITYA BIRLA

UltraTech

Dated:- 16.10.2013

Performance Certificate for UHR T-3 EPDM Belt

To whom so ever it may concern.

VCW purchased T-3 EPDM belt for Line -3 cement mill clinker feeding for trial purpose from the Rare earth , belt performance was satisfactory or equivalent to other renowned vendors i.e Phoenix Yule , we hope Rare Earth Conveyor PVT Ltd. will supply the same or improved quality of belt in future.

HC Gupta

16.10.13

HOD Mechanical-2

Vikram Cement Work

(A UNIT OF UTCL)

UltraTech Cement Limited
(Unit - Vikram Cement Works)
Vikramnagar, P.O. Khor, Dist. Neemuch (M.P.) 458 470
Regd. Office : 'B' Wing, Ahura Centre, 2nd Floor, Mahakali Caves Road, Andheri (East), Mumbai - 400 093 Tel.: 022-66917800

Tel. (PBX) 07420-230830
Main Gate 07420-235526
Fax 07420-235524

Website www.ultratechcement.com
E-mail vcmail@adityabirla.com

adani
Ports and Logistics

TO WHOMSOEVER IT MAY CONCERN

Date: 30.3.2023

This is to certify that we have been using the following supplies- from Rare Earth Conveyors Pvt. Ltd., Gurgaon Since three Years. Overall performance is found satisfactory and all the Conveyors are in running condition.

Gangavaram Port (Now Adani Group)	**PO/MAT/0720/535-HO**	**20.07.2020**	1600MM ST 1000 5/5	6450
			1600MM ST 1250 5/5	1960
			1800MM ST 800 5/5	451
	GPL/PO/2020-2021/1378-HO	**11.01.2021**	800MM ST 630 10/5	318
			1200MM ST 630 5/5	318
			1200MM ST 800 5/5	1500
			1600MM ST 1250 5/5	2500
			1200MM ST 630 10/5	212
			1200MM ST 1600 5/5	3500
			1200MM ST 1600 10/5	2150
			1200MM ST 1250 10/5	1100
			1600MM ST 1400 5/5	3450
				23909

This certificate is issued for M/s. Rare Earth Conveyors Pvt. Ltd., Gurgaon reference to participate in tender.

For Adani Gangavaram Port Limited,

ESD-HOD

Adani Gangavaram Port Private Limited
Adani Corporate House, Shantigram,
Nr. Vaishno Devi Circle, S. G. Highway,
Khodiyar, Ahmedabad - 382421
Gujarat, India
CIN: U61100GJ2021PTC124091

Tel +91 79 2656 5555
Fax +91 79 2555 5500
info@adani.com
www.adaniports.com

JK LAKSHMI
CEMENT Ltd.

Date: 9th April 2012

PERFORMANCE CERTIFICATE

This is with reference to the Conveyor Belts supplied by M/s. Rare Earth Conveyors (P) Ltd since May 2011 for our Sirohi Cement Plant. The Performance of EPDM UHR (DIN –T 22102), SHR T-3 and M-24 Grade, Make: Dura, Conveyor Belts as per IS 1891 Part I & II have given satisfactory performance so far.

We are happy with the product performance in terms of quality and timely delivery.

FOR JK Lakshmi Cement Ltd

S RAMESH
VICE PRESIDENT (MATRIALS)

Admn. Office: Nehru House, 4, Bahadur Shah Zafar Marg, New Delhi 110 002; Phone: 33001142 / 33001112; Fax: 91-011-23722251/ 23722021;
E-Mail: lcit@jkmail.com; Website: jklakshmi.com
Regd. & Works Office: Jaykaypuram, Distt. Sirohi, Rajasthan; Phone: 02971-244409/ 244410; Fax: 02971-244417; E-Mail: lakshmi_cement@lc.jkmail.com

JSW Steel Limited

Vijayanagar Works :
P.O. Vidyanagar, Toranagallu
Dist. Bellary - 583 275, Karnataka, India

Phone : 08395 - 250 120 - 130
Fax : 08395 - 250 138/250 665
Website : www.jsw.in

Date: 08/05/2012

Performance Certificate

The conveyor belt 1800mm width 1500/5 ply x 6mm top + 3mm bottom rubber cover HRT2 single roll of 400 meters supplied against purchase order no: JSW/VJNR/R/CEN/46012/96721 DTD 04.11.10 by M/s Rare Earth Conveyors Pvt. Limited for Blast Furnace no: 3 for handling of Ore, Sinter, Additives & Nut coke route has given life of 12 months without any problem.

The belt performance found satisfactory compared to earlier belts supplied from other manufactures for handling of Ore, Sinter, and Additives & Nut coke.

Best Regards,

12/5/2012

GM- BF3 &4 Maintenance

BIRLA CORPORATION LIMITED

UNIT : CHANDERIA CEMENT WORKS

Madhavnagar, P.O Cement Factory, Chanderia - 312021 Rajasthan India

Tel: 01472 256 601 to 08

Fax: 01472 256 609 , Email : admin@birlacement.com

09.11.2017

TO WHOM IT MAY CONCERN

This is to certify that the Conveyor Belt (Belting) supplied by M/s Rare Earth Conveyors Pvt Ltd, New Delhi against Purchase order no. 4500006596 dt. 23.04.2013 , was installed in January 2014 has been working satisfatorily in our Cement Grinding Unit . We have been using this belt for last four years and its quality and performance is satisfactory.

For BIRLA CORPORATION LIMITED

K.R KARVA
Joint President - Engg.

For BIRLA CORPORATION LTD.

BIRLA CORPORATION LIMITED

UNIT : CHANDERIA CEMENT WORKS

Madhavnagar, P.O Cement Factory, Chanderia - 312021 Rajasthan India

Tel: 01472 256 601 to 08

Fax: 01472 256 609 , Email : admin@birlacement.com

09.11.2017

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For BIRLA CORPORATION LIMITED

K.R KARVA
Joint President - Engg.

For BIRLA CORPORATION LTD.

BIRLA CORPORATION LIMITED

UNIT : RAE BARELI CEMENT WORKS

Plot No. A1/& D/9 to D/15, U.P.S.I.D.C. Industrial Area, Phase-II
Amawan Road, P.O. Raebareli-229001 (U.P.)
Phone : (0535) 2217114, 2217115, 2217116, 2217118, 2217209
Fax No. : 0535-2217239, Email : admin@rblcement.com

29.10.2012

TO WHOM IT MAY CONCERN

This is to certify that the **CONVEYOR BELT (BELTING)** supplied by M/s Rare Earth Conveyors Pvt Ltd, New Delhi has been working satisfactorily in our Cement Grinding Unit. We have been using this belt for the last three years and its quality and performance is satisfactory.

For BIRLA CORPORATION LIMITED
UNIT : RAEBARELI CEMENT WORKS

(MUKESH SHARMA)
MANAGER (MECH.)

For-BIRLA CORPORATION LTD.
Unit-Raebareli Cement Works

REGISTERED/SPEED POST

नेशनल फर्टिलाइजर्स लिमिटेड
(भारत सरकार का उपक्रम)
नया नंगल (पंजाब) - 140126 भारत
NATIONAL FERTILIZERS LIMITED
(A Government of India Undertaking)
NAYA NANGAL (PUNJAB) - 140126 INDIA
MATERIALS DEPARTMENT
PURCHASE ORDER

Phone : 01887 - 220566
Fax : 01887 - 220541
E-mail ID : matlangl@nfl.co.in
Bankers' Address : State Bank of Patiala
Adda Market, Nangal, Distt.
Pin - 140124(Punjab)
Bankers' Phone : 01887 - 224196, 224090
Rly. Station : Nangal Dam (NR)
ECC NO. : AAA C N 0189 NXM 003
TIN/CST No. : 03871081949
Format No. : MP-PF-04

Date: 06.12.2014

Performance Appreciation

This is with reference to the Conveyor Belts supplied by M/s. Rare Earth Conveyors Pvt. Ltd. against P.O. No. SC/120297/1300260 Dated: 20-06-2013. We have been using this Belt since October 2013 for our Panipat Unit. The performance of M-24 Grade, Width 1000 MM, Tensile EP 500/3 Ply, Top Cover 3.0 MM, Bottom Cover 2.5 MM (IS 1891 Part-I) Make: DURA, have given satisfactory performance so far.

We are happy with the product performance in terms of quality and timely delivery.

For & on Behalf of National Fertilizers Ltd.

Chief Manager (Materials)

Rare Earth Conveyor Belts Pvt Ltd

+91 8860010270 , +91-123-3537091

customer.support04@rareearth.in

Gurgaon Office

Rare Earth Conveyors Pvt. Ltd.
32,Akashneem Marg, DLF City, Phase-2
Gurugram, Haryana, 122002

Mumbai Office

Rare Earth Conveyors Pvt. Ltd.
A-66, TALOJA INDUSTRIAL, MIDC,
TALOJA CITY, Raigad, Maharashtra, 410208