KEINS

CHAIN
RUBBER CONVEYOR BELT

About Us.

KEINS is a brand dedicated to delivering reliable chains and belt conveyors that drive the efficiency of modern industries.

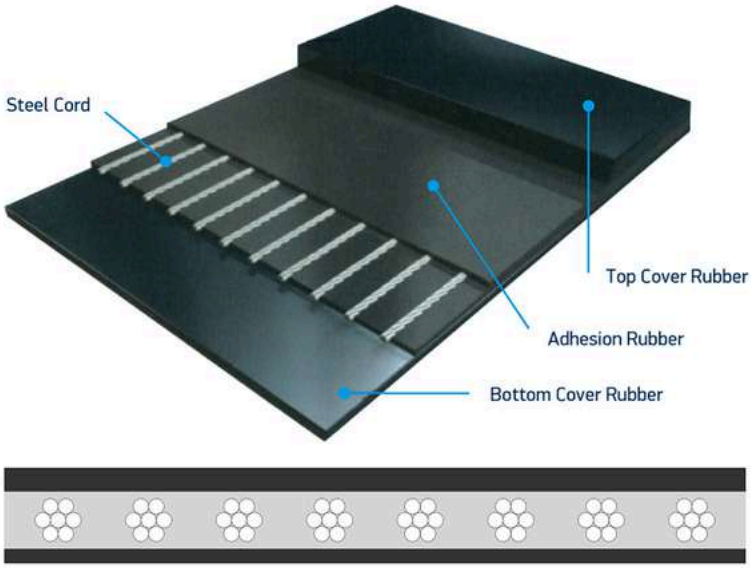
We understand that every component plays a vital role in maintaining smooth operations, which is why our products are built with a strong focus on **quality, precision, and durability**. Designed to meet the diverse needs of today's industrial environments, **KEINS** products ensure stable and consistent performance even under challenging conditions.

Our philosophy is to provide **trusted conveying solutions** that empower businesses to operate with confidence and continuity. We continually strive to improve product performance through innovation and careful attention to detail, ensuring each solution meets the unique needs of our customers.

At KEINS, reliability is not just a feature, it's our commitment. Through every product we deliver, we aim to support industries in moving forward efficiently, safely, and sustainably.


KEINS EW 1050 x EP100 x 4PLY 5+2 18NPA

STEEL CORD
CONVEYOR BELT



Application

Steel cord conveyor belts are widely used for long distance, heavy duty, and high strength material transportation. They are also suitable for short distance, high tension applications under special operating conditions.

Adhesion of Steel Cord

Strength	ST 630	ST 800	ST 1000	ST 1250	ST 1600	ST 2000	ST 2500	ST 3150	ST 4000	ST 4500	ST 5000	ST 5400	ST 6300
Adhesion N/mmGB9770-88	54	60	64	69	74	84	98	108	118	60	60	60	60
Adhesion N/mmDIN22131-88	60	70	80	95	105	105	130	140	145	150	165	175	180

Standard Specification

Belt strength (st-No.)	Cord dia max (mm)	Cord structure	Pitch P (mm)	Standard rubber coverthicknes t1t2 (mm)	Belt weight (Kg/m^2)	Min. Pulleydiam. (mm)	Cord strengthKN /piece
ST-630	3	6*7+1WS	10	5*5	20	800	6.93
ST-800	3.5	6*7+1WS	10	5*5	20.6	800	8.8
ST-1000	4	6*7+1WS	12	6*6	24.7	800	12.9
ST-1250	4.5	6*7+1WS	12	6*6	25.4	800	16.1
ST-1600	5	6*7+1WS	12	6*6	26	1000	20.6
ST-2000	6	6*7+1WS	12	8*6	30	1000	25.6
ST-2500	7.5	6*19W+1WS	15	8*6	32.2	1250	40
ST-3150	8.1	6*19W+1WS	15	8*8	35.7	1400	50.5
ST-4000	8.9	6*19W+1WS	15	8*8	37.8	1600	63.5
ST-4500	9.7	6*19W+1WS	16	8*8	38.7	1800	76.3
ST-5000	10.9	6*19W+1WS	17	8.5*8.5	41.9	1800	91
ST-5400	11.3	6*19W+1WS	17	9*9	43.9	2000	95.2
ST-6300	12.5	6*19W+1WS	19.5	10*10	48.3	2000	130.4
ST-7000	13.5	6*19W+1WS	19.5	10*10	48.3	2000	142.4
ST-7500	15	6*19W+1WS	21	10*10	48.3	2000	166.7

STEEL CORD
CONVEYOR BELT

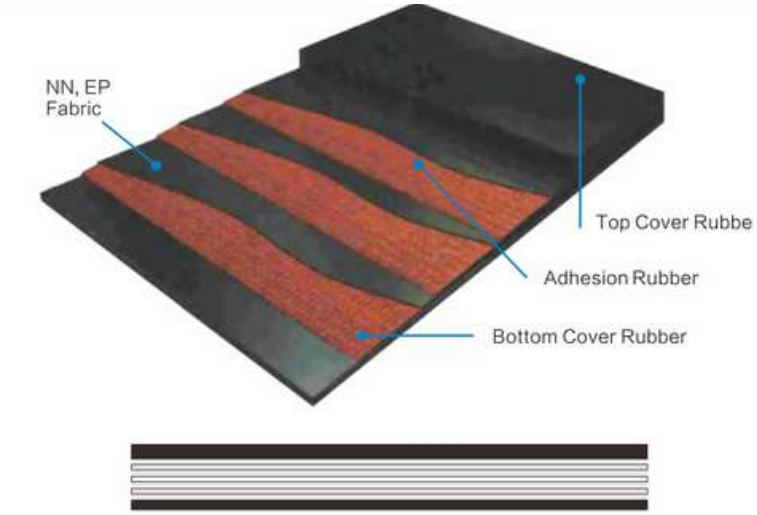
Standard Specification

Belt width (mm)	ST 630	ST 800	ST 1000	ST 1250	ST 1600	ST 2000	ST 2500	ST 3150	ST 4000	ST 4500	ST 5000	ST 5400	ST 6300	ST 7000	ST 7500
800	75	75	63	63	63	63	50	50	51	48	45	45	N/A	N/A	N/A
1000	95	95	79	79	79	79	64	64	64	59	55	55	N/A	N/A	N/A
1200	113	113	94	94	94	94	76	76	77	71	66	66	58	59	54
1400	133	133	111	111	111	111	89	89	90	84	70	70	68	69	64
1600	151	151	126	126	126	126	101	101	104	96	90	90	78	80	73
1800	171	171	143	143	143	143	114	114	117	109	102	102	89	90	83
2000	191	191	159	159	159	159	128	128	130	121	113	113	99	100	92
2200	211	211	176	176	176	176	141	141	144	134	125	125	109	110	102
2400	231	231	193	193	193	193	155	155	157	146	137	137	119	119	110

Characteristic and Grades

Test items		Property indexes				
		GB700-88		DIN22131-88		
		Class H	Class M	Class W	Class X	Class Y
Tensile strength	Mpa≥	17.65	13.75	18	25	20
Elongation at break	%≥	450	400	400	450	400
After agingChange rate of tensile strengthChange rate of elongation	%	-25～+250	-25～+250	-25～+250	-25～+250	-25～+250
Abrasion	≤	0.6cm3/1.61Km	0.8cm3/1.61Km	90cm3	120cm3	150cm3

MULTY PLY EP/NN
CONVEYOR BELT



Structure

- Our renowned multy ply EP carcass (warp polyester + weft nylon).
- Special rubber layer with good fabric adhesion properties (skimmed layer).
- High abrasion resistant cover quality for heavy duty application or special quality of cover on request.

Features

Polyester : Less elongation, Less deformed by heat, Less affected by moisture.
Nylon : Highly flexible, Highly resistant against impact, Highly bendable

Aplication Groups

- General
- Abrasion Resistance
- Heat Resistance
- Oil Resistance
- Fire Resistance
- Chemical Resistance
- Anti Static

MULTY PLY EP/NN
CONVEYOR BELT

Carcass	Carcass Structure		Carcass Type	Carcass Thickness (mm/p)	Strength (N/mm)					Cover thickness (mm)		Width (mm)
	Warp	Weft			2ply	3ply	4ply	5ply	6ply	top cover	bottom cover	
EP	Polyester	Nylon	EP100	1.00	200	300	400	500	600	1.5 - 30	1.5 - 20	300 - 3500
			EP125	1.00	250	375	500	625	750			
			EP150	1.10	300	450	600	750	900			
			EP200	1.20	400	600	800	1000	1200			
			EP250	1.40	500	750	1000	1250	1500			
			EP300	1.60	600	900	1200	1500	1800	2 - 30	2 - 20	
			EP350	1.70	700	1050	1400	1750	2100			
			EP400	1.90	800	1200	1600	2000	2400			
			EP500	2.10	1000	1500	2000	2500	3000			
			EP630	2.60	1260	1890	2520	3150	3780			
NN	Nylon	Nylon	NN100	1.00	200	300	400	500	600	1.5 - 30	1.5 - 20	300 - 3500
			NN125	1.00	250	375	500	625	750			
			NN150	1.10	300	450	600	750	900			
			NN200	1.20	400	600	800	1000	1200			
			NN250	1.40	500	750	1000	1250	1500			
			NN300	1.60	600	900	1200	1500	1800	2 - 30	2 - 20	
			NN350	1.70	700	1050	1400	1750	2100			
			NN400	1.90	800	1200	1600	2000	2400			
			NN500	2.10	1000	1500	2000	2500	3000			
			NN630	2.60	1260	1890	1520	3150	3780			
CC	Cotton	Cotton	CC56	1.10	112	168	224	280	336	1.5 - 30	1.5 - 20	300 - 3500
TC	Polyester	Cotton	TC70	1.00	140	210	280	350	420	1.5 - 30	1.5 - 20	

Adhesion strength and elongation

Carcass Type (EP/NN)	Adhesion			Elongation	
	Between Plies N/MM	Between Rubber and Carcas N/MM		Longitudinal Elongation at Break at All Thickness of Belt %≥	Longitunal Reference Tensile Rate at All Thickness of Belt %≤
		Cover Thickness (0.8-1.5mm)	Cover Thickness >1.5mm		
Mean Value	≥ 4.5	≥ 3.2	≥ 3.5	10	2
Lowest Data	≥ 3.9	≥ 2.4	≥ 2.9	10	2

HEAT RESISTANT
CONVEYOR BELT

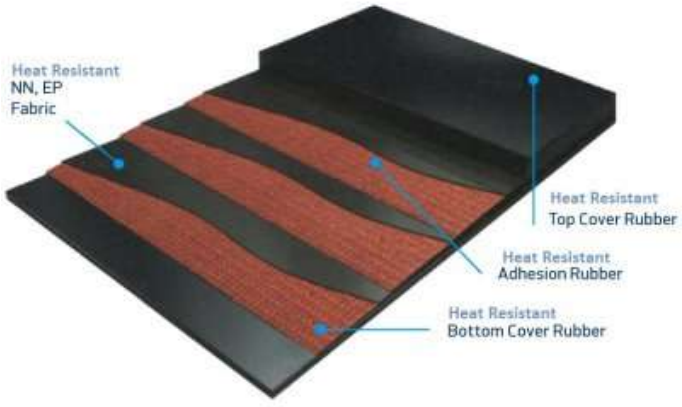
Heat resistant conveyor belts are highly resistant to hot material such as cement, steel or sand, the cover rubber of a conveyor bely consist of a special rubber compound featuring high adhesive strength, elongation at break and excellent thermal protection force. Using diverse elastomers head resistance varies.
Heat resistant conveyor belts are designed to transport materials at continuous temperatures up to 200°C, and for short periods up to 250°C

Aplication Groups

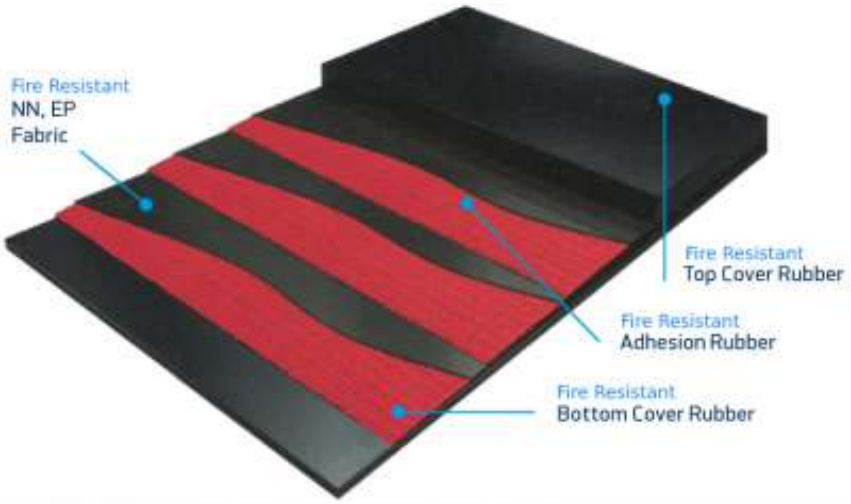
Chemical sector / Fertilizer industry / Iron and steel industry / Foundries / Glass industry / Metalworking industry / Waste incineration / Cement plants

Tecnical Data

	Heat 150°	Heat 180°	Heat 200°
Tensile Strength	⩾14N/mm^2	⩾14N/mm^2	⩾10N/mm^2
Abrasion	⩽200mm^3	⩽200mm^3	⩽280mm^3
Elongation at break	⩾400%	⩾400%	⩾350%
Const.operating temp.	⩾150°	⩾180°	⩾200°



FIRE RESISTANT
CONVEYOR BELT



One of the major risks during a production process is fire. Flame retardant conveyor belts may therefore be used to reduce or even avert damages to persons and property in case of fire.

These types of belts have a good resistance to open flames and protect the entire conveyor against open fire. This high level of protection against fire helps to stop the spread of fire over the belt. These types of belts are used in temperatures ranging from -30 to +100°C

Applied Fabric

EP (Polyester-poliamid)
NN (Naylon-naylon)
EE (Polyester-polyester)

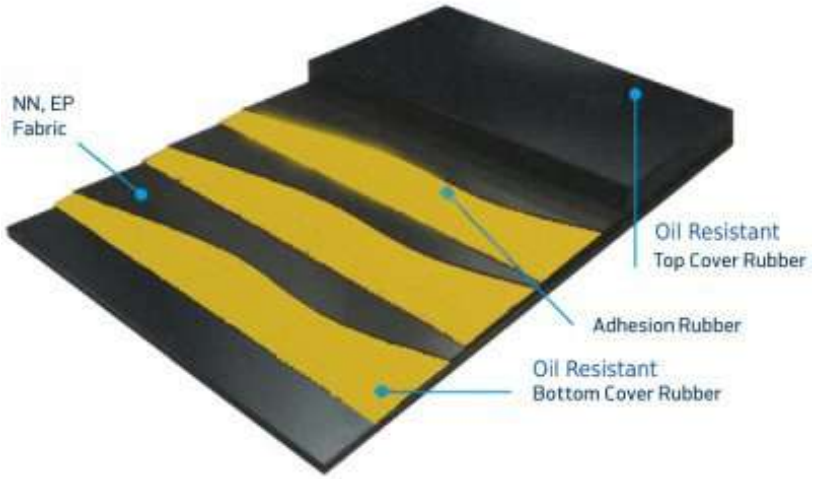
Aplication Groups

Mining industry
Iron and steel industry
Ports and transshipment operations
Power plants

Tecnical Data

	K Quality	S Quality	V Quality
Tensile Strength	⩾ 20 N/mm²	⩾ 20 N/mm²	⩾ 17 N/mm²
Abrasion	⩽150 mm³	⩽150 mm³	⩽200 mm³
Elongation at break	⩾450%	⩾450%	⩾350%

OIL RESISTANT
CONVEYOR BELT



Grease, mineral oil and solvents may cause damages to normal textile conveyor belts. Even a short exposure to these substances may effect a swelling of the cover rubber. Therefore, offers oil resistant belts. The special rubber compound of the material reduce wear and increases the efficiency of the production.

Aplication Groups

Chemical and Fertilizer industry
Metal processing and Iron and steel industry
Feed industry
Grain silo
Glass and Wood industry
Recycling industry

Technical Data

	MOR quality	OR quality
Tensile Strength	⩾ 14 N/mm^2	⩾ 16 N/mm^2
Abrasion	⩽200 mm^3	⩽160 mm^3
Elongation at break	⩾300%	⩾350%

ENDLESS
CONVEYOR BELT

The Endless Conveyor Belt is a conveyor belt that in the manufacturing process has been transformed into endless without joint. Its characteristic are that there is no joint in the belt carcass, and because of early failure in the joints of the belt, the belt must not be shortened during service life. Endless Belts offer smooth belt joint and thus ensure quick installation and low chance of failure at site.

PIPE

CONVEYOR BELT

Pipe belt is mostly preferred to use where bulk materials must be conveyed along horizontal and vertical curves in confined spaces, and/or where the environment has to be protected resp where spillage must be avoided. Pipe belt works well at tight horizontal and vertical curves. This eliminates or reduces transfer points, which is a big cost saving.

It is necessary to respect the specific technical data, to manufacture a suitable belt for the concerned and delicate industrial application. Otherwise, there could be serious problems connected to the belt :

- flexibility
- stability
- tube rigidity

So, it is extremely important to ensure that the item can wrap around handled material and get tubular shape to perfectly execute its task.

NOMINAL TUBE DIAMETER	INDICATIVE BELTH WIDTH	STANDARD IDLER SPACING	MINIMUM TRANSITION DISTANCE	MINIMUM CURVE RADIUS	MAX LUMP SIZE	MAX SPEED	VOLUMETRIC CAPACITY
mm	mm	mm	mm	mm	mm	m/sec	m3/h
100	450	1,10	2,5	30	33	2,2	21,2
150	600	1,10	4,0	45	45	2,2	46,9
200	800	1,30	5,0	60	60	2,5	84,7
250	1000	1,45	6,5	75	75	2,5	132,4
300	1200	1,60	7,5	90	95	3,0	190,7
350	1400	2,00	9,5	105	110	3,5	256,2
400	1600	2,20	10,0	120	125	4,0	339,1
450	1800	2,30	11,0	135	140	4,5	429,2
500	1900	2,40	12,5	150	160	5,0	530,0
550	2100	2,50	13,5	160	180	5,5	641,2

*The above table is valid only for textile carcass rubber conveyor belt

CHEVRON
CONVEYOR BELT



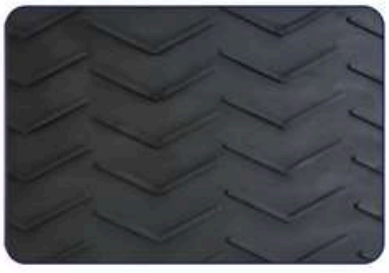
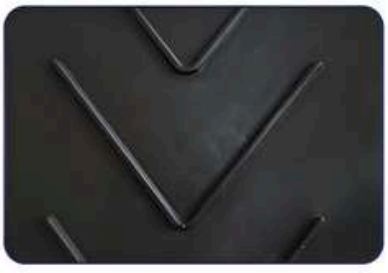
Aplications

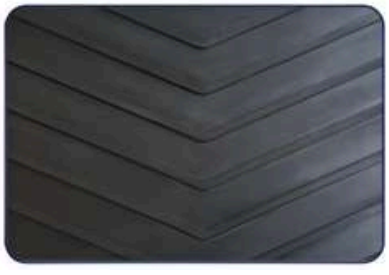
Chevron conveyor belt is designed for inclined transportation for conveying bulk material such as coal, sand, mineral, crop, package, and bag depending on different loading material and inclined angle to choose suitable cleat height and chevron type to prevent loading material from dropping down.

Ports and transshipment operations/ Wood industry/ Smelteries/ Coal fired power plants/ Agriculture/ Recycling industry/ Sand and gravel industry/ Others

Structure

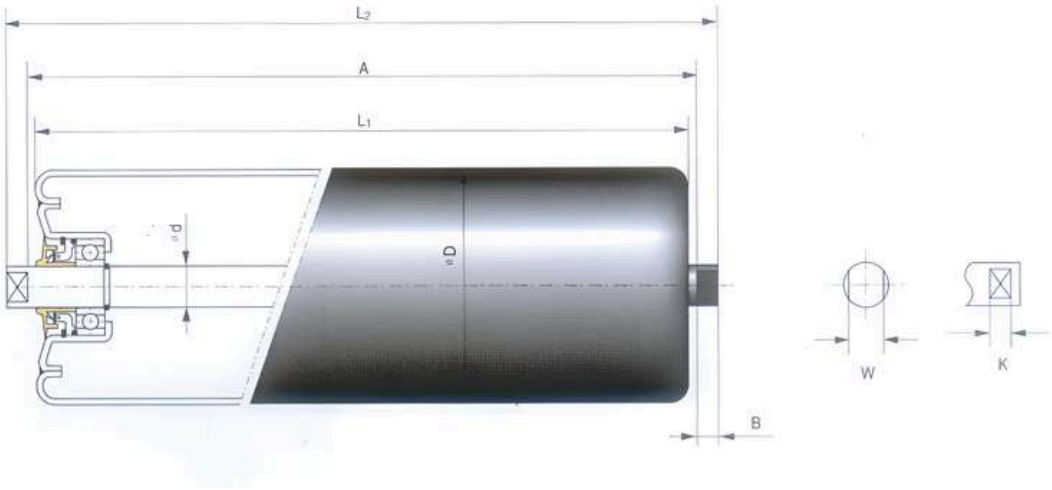
1. Excellent weather resistance and property of cleat, not easy to crack and become deformed.
2. High abrasive high tensile cleats.
3. Good flexibility and tear resistance.
4. Integrated vulcanized cleats and base belt prevent the cleats from coming off.
5. Different rubber property and carcass strength can be designed according to requirement



ROLLER

Carrier Roller



Belt width	Dimension								Bearing
	ØD	Ø d	L1	L2	A	K	B	W	
400	89.1	20	145	175	153	8	11	14	6204zz
450			165	195	173				
500			180	210	188				
600			210	240	218				
750	114.3		265	295	273				
900			315	345	323				
1050	139.8	25	370	410	380	11.2	15	18	6205zz
1200			420	460	430				
1400	165.2	30	500	540	510			22.4	6206zz
1600			580	620	590				
1800		35	650	690	660			25	6207zz
2000			730	770	740				
2200		40	800	840	810			31	6308zz
2400			880	920	890				

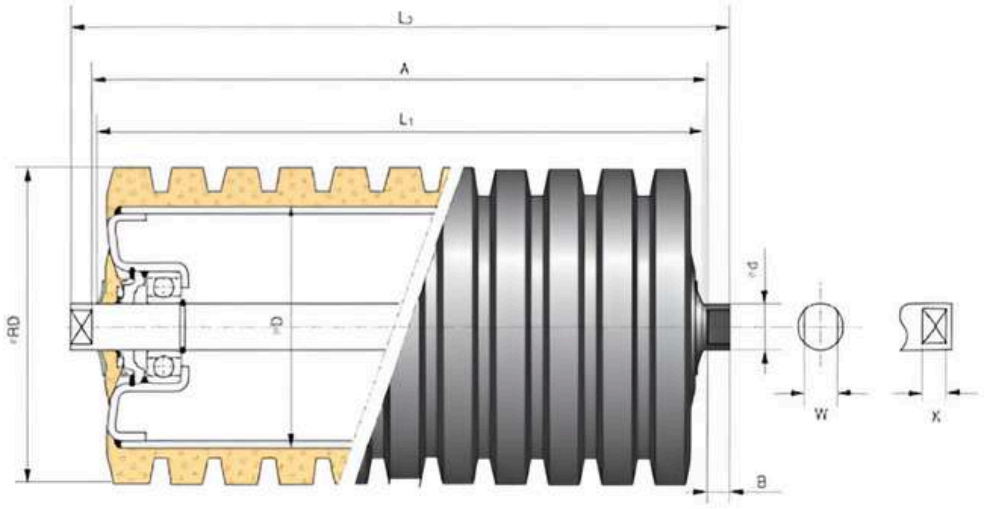
ROLLER

Return Roller

Belt width	Dimension								Bearing
	ØD	Ø d	L1	L2	A	K	B	W	
400	89.1	20	460	505	480	8	12.5	14	6204zz
450			510	555	530				
500			560	605	580				
600			660	705	680				
750	114.3		850	905	880				
900			1000	1055	1030				
1050	139.8	25	1150	1212	1180	11.2	16	18	6205zz
1200			1300	1362	1330				
1400	165.2	30	1510	1585	1550		17.5	22.4	6206zz
1600			1710	1785	1750				
1800		35	2000	2075	2040			25	6207zz
2000			2200	2275	2240				
2200		40	2400	2475	2440			31	6308zz
2400			2600	2675	2640				

ROLLER

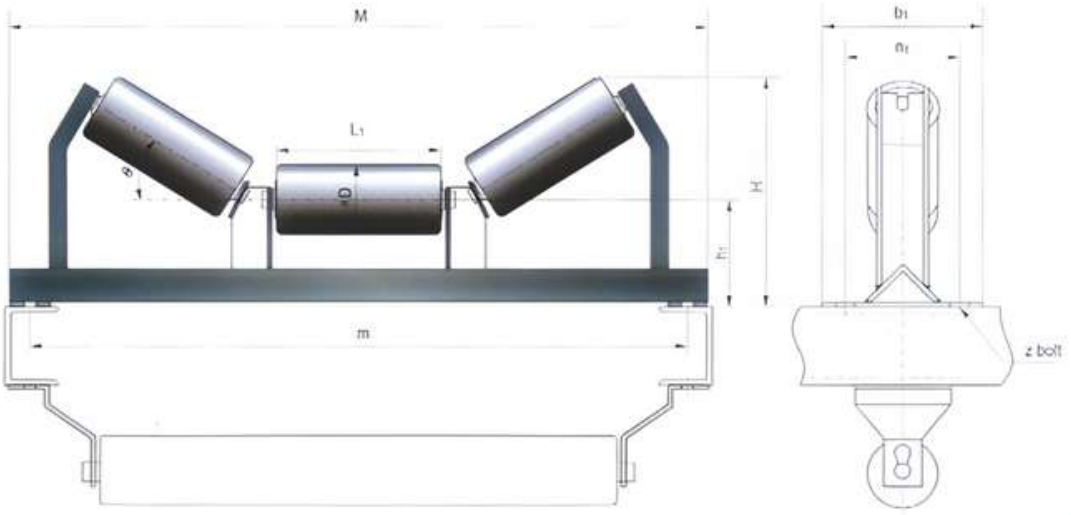
Impact Roller



Belt width	Dimension									Bearing
	ØRD	ØD	Ø d	L1	L2	A	K	B	W	
400	90	76.3	20	145	175	153	8	11	14	6204zz
450				165	195	173				
500				180	210	188				
600				210	240	218				
750	115	89.1		265	295	273				
900				315	345	323				
1050	140	114.3	25	370	410	380	11.2	15	18	6205zz
1200				420	460	430				
1400	166	139.8	30	500	540	510			22.4	6206zz
1600				580	620	590				
1800			35	650	690	660			25	6207zz
2000				730	770	740				
2200			40	800	840	810			31	6308zz
2400				880	920	890				

ROLLER

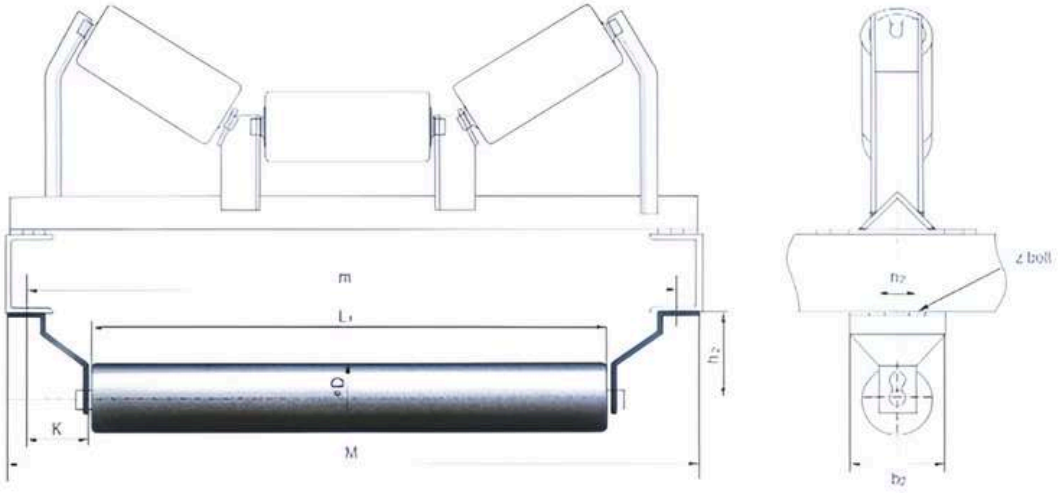
Carrier Stand & Idler



Belt width	Dimension								z	Angle
	ØD	L1	M	m	h1	n1	b1	H		
400	89.1	145	690	640	125	140	200	245	M12	L50xt6
450		165	740	690				258		
500		180	790	740				260		
600		210	890	840	140			294		L65xt6
	114.3							314		
700	89.1	250	990	940				315		
750	114.3	265	1090	1040	150	160	220	330		L75xt6
800		280	1140	1090				335		
900		315	1240	1190				364		
1000		345	1340	1290				365		
1050	139.8	370	1390	1340	180	180	240	440		L90xt7
1100		385	1440	1390				440		
1200		420	1540	1490				463		
1300		460	1640	1590				471		
1400	165.2	500	1790	1730	250	280	340	564	M16	L100xt9
1500		545	1890	1830				617		
1600		580	1990	1930				625		
1800		650	2280	2220	280	330	390	694		L130xt12
2000		730	2480	2420				734		
2200		800	2680	2620	300			789	M20	
2400		880	2880	2820						

ROLLER

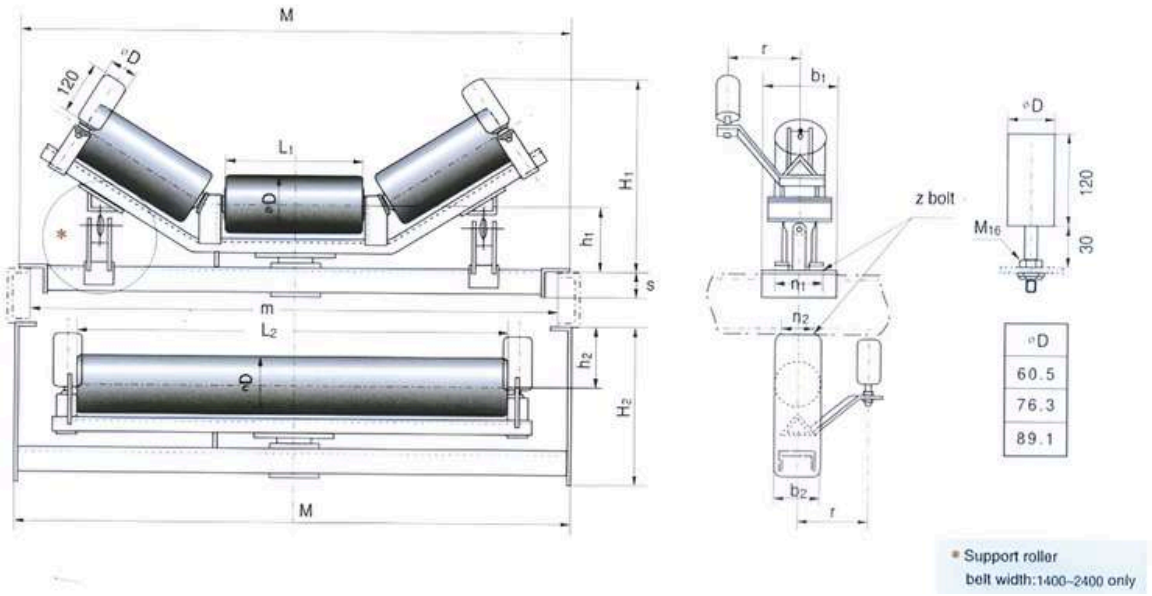
Return Bracket & Idler



Belt width	Dimension								z
	ØD	L1	M	m	h2	n2	b2	K	
400	89.1	460	690	640	110	60	120	80	M12
450		510	740	690					
500		560	790	740					
600		660	890	840					
	114.3								
700	114.3	760	990	940					
750		850	1090	1040					
800		900	1140	1090					
900		1000	1240	1190					
1000		1100	1340	1290					
1050	139.8	1150	1390	1340	130	100	170		
1100		1200	1440	1390					
1200		1300	1540	1490					
1300		1400	1640	1590					
1400 - 2000	165.2	1510	1790	1730	160	120	200	90	M16
		1610	1890	1830					
		1710	1990	1930					
		2000	2280	2220					
		2200	2480	2420					
2200		2400	2680	2620	180	150	250		M20
2400		2600	2880	2820					

ROLLER

Self Aligning Carrying Idle, Self Aligning Return Idler



øD
60.5
76.3
89.1

Belt width	Dimension															z	Chanel
	ØD	L1	L2	M	m	h1	n1	b1	H1	H1	h1	n1	b1	r	s		
400	89.1	140	460	690	640	135	140	200	345	290	100	60	120	150		M12	100x50x5
450		165	510	740	690				352								
500		180	560	790	740				362								
600		210	660	890	840	150	150	200	395	305							
	114.3					160			427	335			140	180	75		
750		265	850	1090	1040		160	220	449								
900		315	1000	1240	1190				474								
1050	139.8	370	1150	1390	1340	190	180	240	545	380	120	100	150				125x75x6
1200		420	1300	1540	1490				570								
1400	165.2	500	1510	1790	1730	260	280	340	676	530	160	200	200	250	105	M16	150x75x9
1600		580	1710	1990	1930				709								
1800		650	2000	2280	2220	290	330	390	771	540		220	220		120		
2000		730	2200	2480	2420				801								200x80
2200		800	2400	2680	2620	310			856	560	150	250	250			M20	
2400		880	2600	2880	2820				896								

BUCKET ELEVATOR

CHAIN

KEINS Chain is based on standard large pitch conveyor chain with K443, K44, K24, K35, G5, G6,G4 attachments. Buckets are spaced evenly(usually every two links) over the length of chain

✓ Superior wear resistance of pins and bushings which reduces chain elongation.

✓ High abrasive and fatigue resistance.

✓ Easy connecting and disconnecting. Very important for the limited space in the elevator housing.

✓ Improved design to match high performance.

✓ A straight sidebar style, with buckets fixed every second link on the outer.

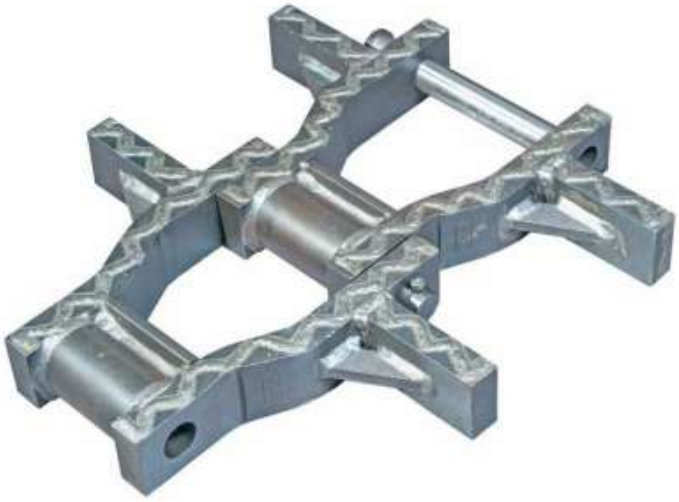
✓ Enable faster speed and increased capacities.

✓ With G5 and G6 attachments fix the buckets between the strands, we will do pre-calibration before ex-works

DRAG
CHAIN

WHX Series Drag Chain

- WHX series in environments with high abrasion and heat.
- Standard hard-faces welding on sliding and wear surfaces with a typical welding surface of 60 HRC and a heavy welding bead ensures excellent sliding wear resistance in both cold and hot clinker applications.



- KEINS DRAG CHAIN is a high-performance drag chain designed for demanding conveyor systems operating in abrasive, high-impact environments.
- Engineered for durability and longevity, it ensures reliable material transport under extreme loads and harsh conditions, such as mining ore, cement clinker, and bulk aggregate handling.

RECLAIMER
CHAIN

Reclaimers are popular when heavy industrial processes require large storage piles of raw material. Reclaimer chain and flight assemblies function like scraper conveyors, with the flight that pushes material toward a belt feeding conveyor. Chain for this demanding application provides the longest service life to achieve the best overall value. Chains must have large bearing areas, high hardness and deep case depths to provide the best performance.

KEINS reclaimer chains work for Cement Industry, handling materials such as Limestone, Coal, and Slag Reclaimers.

All chain parts are hardened and tempered to optimum wear resistance. Reclaimer chains and attachment function like scraper conveyors that push material toward a belt feeding conveyor.

HEAVY DUTY COAL
CHAIN

Engineered to Prevent Extended Pin Fracture in Extreme Coal Operations:

- Unmatched Strength & Wear Resistance, up to 1000kN.
- Precision Customization:
  - Dedicated mold engineering.
  - Customized pitch/size solutions.
- Eliminates drag bar connection failures:
  - Prevents stress concentration at critical joints.
  - Validated in 24/7 coal terminal operations (zero pin failures over 18,000 hours) in Chile.
- Withstands coal abrasion & moisture corrosion.

Applications

Stacker-reclaimers in coal yards
High-torque conveyor drives
Ship loaders & transfer towers
Underground mining conveyors

LINK
CHAIN

Link chains are versatile and durable chains designed for general-purpose and heavy-duty industrial use. Each link is precision-formed and welded from high-quality steel to ensure uniform strength and excellent resistance to wear and deformation. Depending on the application, link chains can be manufactured from carbon steel, alloy steel, or stainless steel, and can be surface-treated with galvanizing or heat treatment for enhanced corrosion and fatigue resistance.

Exceptional Strength

- High-grade steel: 23MnNiMoCr54 alloy (1000kN) ensures durability in abrasive mining environments.
- Both G100 and G80 made from high-quality alloy steel, which gives them superior strength and durability compared to lower grades like Grade 30, 43, or 70.
- G100 have approximately a 25% higher capacity rating compared to G80 of the same size.

Link Chain Auto-Production

SCRAPER
CHAIN

Hard face chain

Material Selection :

✓ Offer strong resistance to wear and corrosion due to the harsh operating environments.

✓Steel with high tensile strength is preferred to ensure durability and longevity.

Heat Treatment:

✓ Pins and bushes undergo proper heat treatment processes like hardening and tempering.

✓ Ensures the chain withstand high loads and resist wear even after extended use.

EP Chain

FORGED
CHAIN

Forged chains are widely used in cement plants, mining, steel mills, power generation, and bulk material handling systems. They are ideal for drag conveyors, clinker transporters, bucket elevators, and reclaimer systems that operate in abrasive and high-temperature conditions. Known for their durability, strength, and efficiency, forged chains deliver reliable performance and extended lifespan in the toughest working environments.

SPROCKET

KEINS Sprocket Features

- Enough strength; Enough toughness; Wear resistance;
- Long service life;
- Single row and multi rows; Split or Replaceable Tooth Sprocket, easy to install,
- Various structures and materials:
- Solid Sprockets available as “A” plates or with “B” or “C” hub with finished bore key and 1 or 2 setscrews.

Advantages of Split/ Segmental Sprockets

✓ **Ease of installation:** Suitable for tight spaces, and requires fewer people to install compared to solid sprockets;

✓ **Reduced downtime**: The rim can be replaced without removing the entire sprocket or chain, saving maintenance time;

✓ **Extended lifespan:** The reversible rim feature allows the use of both sides of the teeth, increasing wear resistance and durability.