CONVEYOR BELT ACCESSARIES

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INDEX

CONVEYOR PULLEY

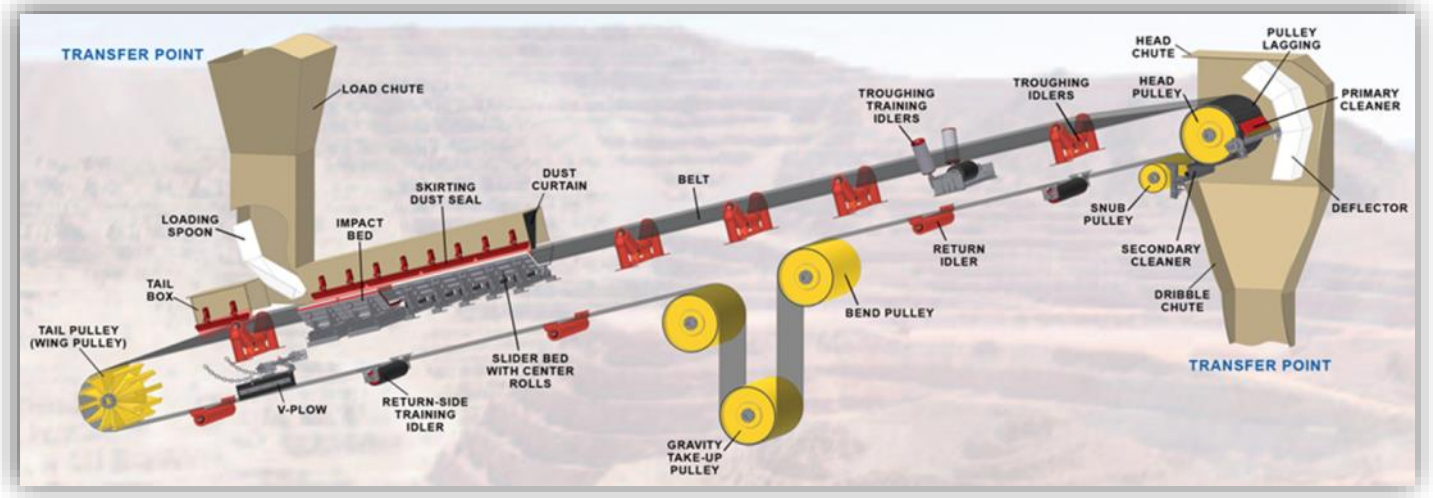
Features

Conveyor Pulley plays an essential role in the performance and reliability of belt conveyor systems. It is designed to drive, redirect, tighten, or track the conveyor belt.

STANDARDA'S pulleys use highest quality materials in a production process with advanced technology. Each pulley is individually computer designed to meet the client's requirements.

Types of Pulley

According to the position and application, conveyor pulley can be divided into:



Drive/Head Pulley

Head pulley, located at the discharge point of the conveyor, provides the driving force for the conveyor, & usually has a larger diameter than other types of pulleys.

It is normally mounted in external bearings and driven by an external drive source.

To reduce the belt slippage, the head pulley is usually lagged with rubber or ceramic lagging materials.

Return / Tail Pulley

Tail pulley, located at the loading end of the belt, is used for the purpose of redirecting a conveyor belt back to the drive pulley.

It can have internal bearings or can be mounted in external bearings.

Snub Pulley

Snub pulley, designed and manufactured in different sizes, is used to adjust wrap / contact angle of belt on nearby pulley, typically for the purpose of improving traction.

Take-Up Pulley

Take-Up Pulley, usually gravity force adjustable, is used to maintain a proper belt tension.

Bend Pulley

Bend Pulley, installed above the take-up equipment part, is used to redirect the belt and provide belt tension.

<table>
<tr><th>Belt Width (mm)</th><th>Face Width (mm)</th><th>Pulley Diameter (mm)</th></tr>
<tr><td>300</td><td>400</td><td>200, 250, 315, 400</td></tr>
<tr><td>400</td><td>500</td><td rowspan="2">200, 250, 315, 400, 500</td></tr>
<tr><td>500</td><td>600</td></tr>
<tr><td>650</td><td>750</td><td>200, 250, 315, 400, 500, 630</td></tr>
<tr><td>800</td><td>950</td><td rowspan="4">200, 250, 315, 400, 500, 630, 800,1000, 1250, 1400</td></tr>
<tr><td>1000</td><td>1150</td></tr>
<tr><td>1200</td><td>1400</td></tr>
<tr><td>1400</td><td>1600</td></tr>
<tr><td>1600</td><td>1800</td><td rowspan="2">200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1400, 1600</td></tr>
<tr><td>1800</td><td>2000</td></tr>
<tr><td>2000</td><td>2200</td><td rowspan="3">500, 630, 800,1000, 1250, 1400, 1600, 1800</td></tr>
<tr><td>2200</td><td>2500</td></tr>
<tr><td>2400</td><td>2800</td></tr>
<tr><td>2600</td><td>3000</td><td rowspan="2">800,1000, 1250, 1400, 1600, 1800</td></tr>
<tr><td>2800</td><td>3200</td></tr>
</table>

ROLLER / IDLER

Features

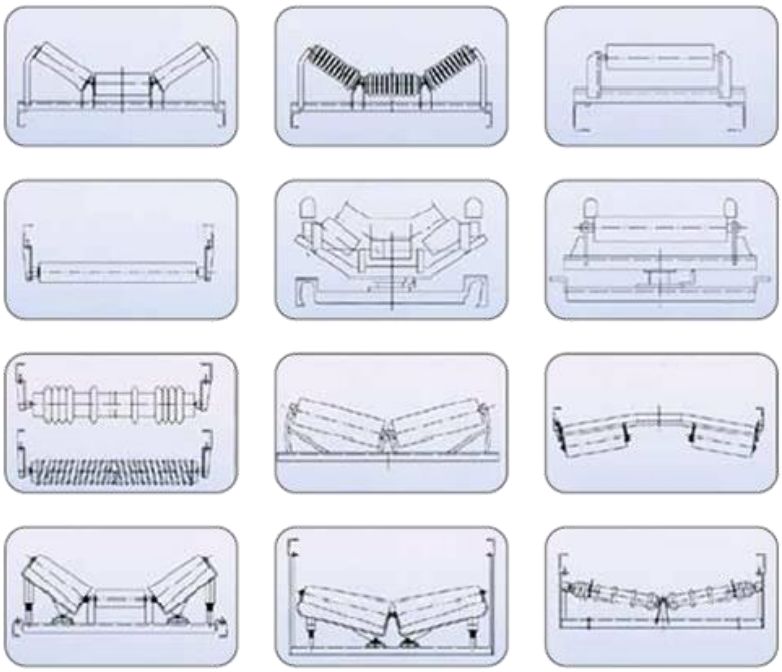
Application: Roller plays a very important role in a belt conveyor system. They consist in the entire transport process to support conveyor belt and move the materials loaded on conveyor belt.

Materials: Steel, HDPE, UHMWPE, Nylon, Rubber Coated, etc.

Type

※ **Carrying Roller:** Troughing roller, Impact roller, Flat carrier roller, Self-aligning carrier roller

※ **Return Roller:** Flat return roller, Self-aligning return roller, Rubber disc return roller, Spiral return roller, V-return roller



Product Range

※ **Tube Diameter:** 63.5 ~ 219mm, etc.

※ **Shaft Diameter:** 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, etc.

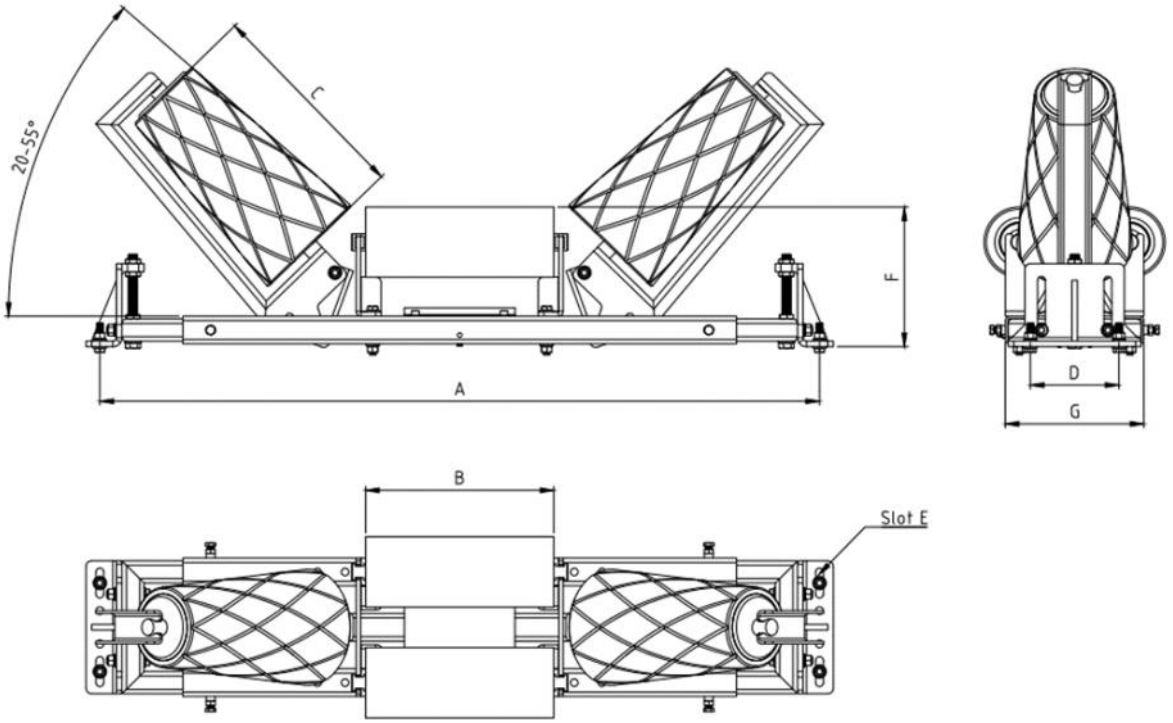
※ **Bearing Size:** 6204, 6205, 6304, 6305, 6306, 6307, 6308, 6309, 6310, etc.

※ **Bearing Brand:** SKF, NSK, FAG or Chinese Top Brand

Main Technical Data

Item	Condition			Standard
Run out	Belt Speed ≥3.15m/s		Roller Length<550mm	≤0.5mm
			Roller Length≥550~950mm	≤0.7mm
			Roller Length≥950~1600mm	≤1.3mm
			Roller Length≥1600mm	≤1.7mm
	Belt Speed <3.15m/s		Roller Length<550mm	≤0.6mm
			Roller Length≥550~950mm	≤0.9mm
			Roller Length≥950~1600mm	≤1.5mm
			Roller Length≥1600mm	≤1.9mm
Axial Displacement	Load 500N axial pressure for 1 min			≤0.7mm
Rotational Resistance	**Before Testing:** Rotation speed: 1450r/min, 20 min **Test:** Temperature: 20~25°C Under 250N pressure	Dustproof Roller	Shaft Diameter≤108mm	≤2.50N
			Shaft Diameter≥133mm	≤3.00N
		Waterproof Roller	Shaft Diameter≤108mm	≤3.60N
			Shaft Diameter≥133mm	≤4.35N
Rotational Resistance After 1h of cessation	**Re-test:** Temperature: 20~25°C Under 250N pressure Rotation speed: 600r/min, 10min	Dustproof Roller	Shaft Diameter≤108mm	≤3.75N
			Shaft Diameter≥133mm	≤4.50N
		Waterproof Roller	Shaft Diameter≤108mm	≤5.40N
			Shaft Diameter≥133mm	≤6.53N
Axial Displacement After Drop Test	Horizontally free-falling from the height of 1000mm Vertically free-falling from the height of 1800/G(G=roller mass)			≤1.5mm
				No damage or cracks, no loose in parts.
Dust-Proof	Sealing box filled with 20% of coal dust (granularity: 0.635mm)	No water	Rotation speed: 600r/min, 200h	No coal dust in the bearing and grease.
		Water flow 0.45L/min	Rotation speed: 600r/min, 72h	≤150g
Water-Proof	The surface height of the sink is equal to center height of horizontal roller		Rotation speed: 600r/min, 24h	≤5g
Axial Load	Load 10000N axial pressure for 5min		Shaft Diameter≤20mm	The parts of roller are not disconnected.
	Load 15000N axial pressure for 5min		Shaft Diameter≥25mm	The parts of roller are not disconnected.

TROUGH TRACKER HD

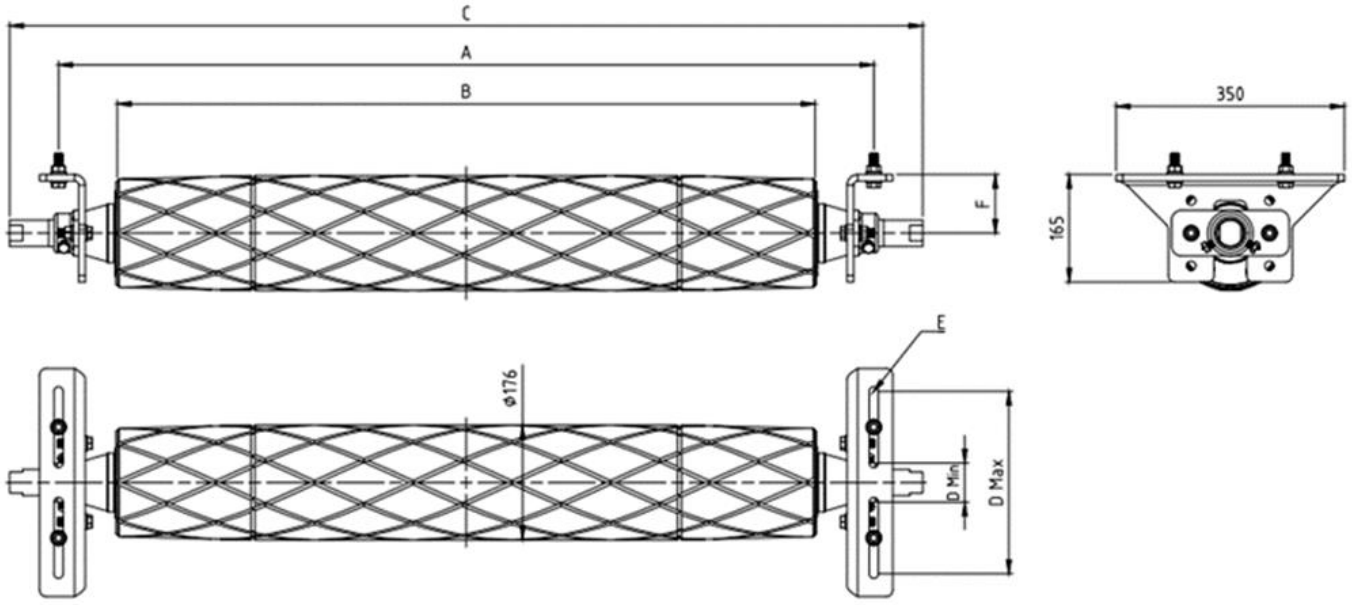


Tech Data

Part Number	Belt	A +/-	B	C	D Min-	E (Slot)	F	G	Mass
Heavy Duty	**Bearing Centre Roller 6305/Wing Roller 6305 - 12mm Lagging**								
TTHD50	450/500	700	180Xϕ102	200	140-240	14X50	180-250	250	65
TTHD65	600/650	850	220Xϕ102	290	140-240	14X50	180-250	250	70
TTHD80	750/800	1000	270Xϕ102	290	140-240	14X50	180-250	250	80
	Bearing Centre Roller 21306/Wing Roller 21306 - 12mm Lagging								
TTHD90	900	1150	320Xϕ127	380	140-240	14X50	200-270	250	100
TTHD105	1000/1050	1250	370Xϕ127	380	140-240	14X50	200-270	250	103
TTHD120	1200	1450	430Xϕ152	490	140-240	18X50	200-270	250	138
TTHD140	1350/1400	1700	480Xϕ152	490	140-240	18X50	200-270	250	144
TTHD150	1500	1800	540Xϕ152	640	140-240	18X50	200-270	250	169
TTHD160	1600	2000	540Xϕ152	640	140-240	18X50	200-270	250	172

* All dimensions in mm

RETURN TRACKER HD/EHD PU

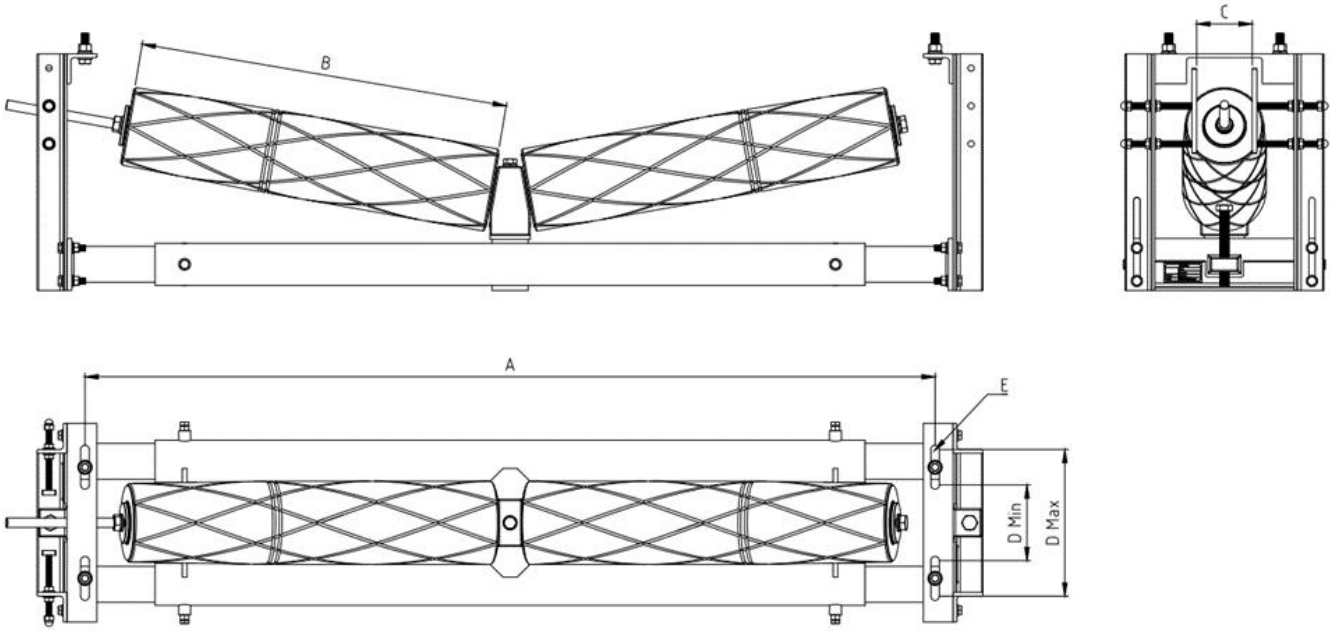


Tech Data

Part Number	Belt	A +/-	B	C	D Min-	E (Slot)	F	Mass
Heavy Duty	**Bearing 6017-Steel Housings-ϕ40 Shaft-Nomϕ176mm include 12mm Lagging**							
RTHD50	450/500	700	520	850	60-280	14X70	65-140	48
RTHD65	600/650	900	720	1050	60-280	14X70	65-140	53
RTHD80	750/800	1050	870	1200	60-280	14X70	65-140	58
RTHD90	900	1150	970	1300	60-280	14X70	65-140	63
RTHD100	1000/1050	1300	1120	1450	60-280	14X70	65-140	68
RTHD120	1200	1450	1270	1600	60-280	14X70	65-140	77
Extra Heavy Duty	**Bearing NU1017+51117-Steel Housings-ϕ40 Shaft-Nomϕ176mm include 12mm Lagging**							
RTEHD140	1350/1400	1700	1470	1850	60-280	14X70	65-140	86
RTEHD150	1500	1800	1570	1950	60-280	14X70	65-140	90
RTEHD160	1600	2000	1670	2150	60-280	14X70	65-140	95

* All dimensions in mm

DOUBLE V RETURN TRACKER HD



Tech Data

Part Number	Belt	A +/-	B	C	D Min-Max	E (Slot)	Mass	Roller
Heavy Duty	**Bearing 6017--Steel Housings--Nomϕ176mm include 12mm Lagging**							
DVTHD105	1050	1300	550	88	160-310	18X75	153	24
DVTHD120	1200	1450	630	90	160-310	18X75	163	27
DVTHD140	1400	1700	730	94	160-310	18X75	175	30
DVTHD150	1500	1800	780	98	160-310	18X75	182	32
DVTHD160	1600	2000	855	102	160-310	18X75	190	34

* All dimensions in mm

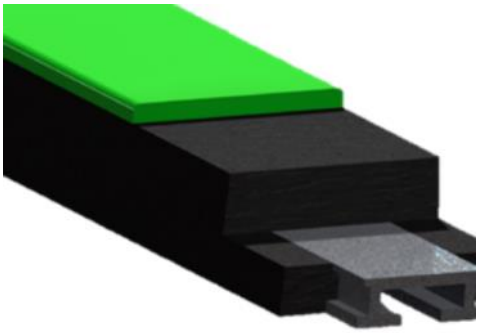
IMPACT BAR / BED

IMPACT BAR

Application: An important cushion part, used in belt conveyor material guiding groove, blanking point below the belt. Outstanding capability to absorb impact and low friction coefficient. It slows down the material on the conveyor belt to eliminate losses, and protects the belt against the damage by the impact of sharp.

Surface Material: UHMW, PE

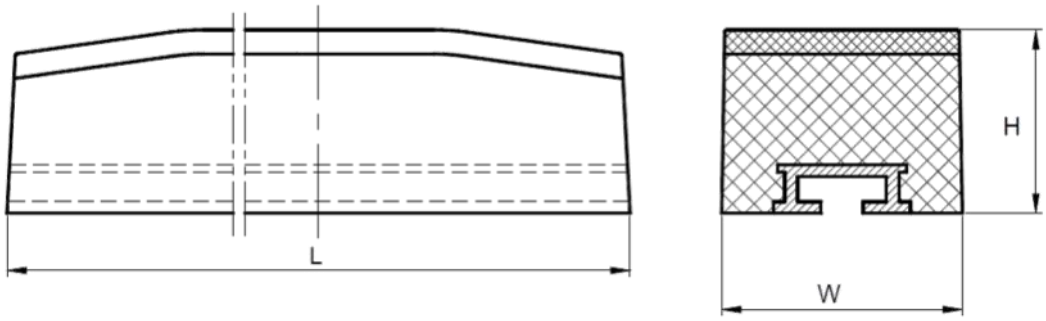
Type: General, High elastic, Fire Resistant



Technical Data

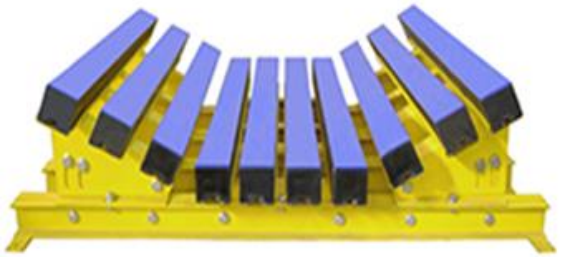
Description		Unit	Specification
Cover properties	Cover material		UHMWPE
	Grade	Molecular Weight	≥4,000,000
	Color	-	Green/Blue/White/Orange
	Specific Gravity	g/cm3	0.94
	Friction Coefficient		0.07
	Tensile Strength	Mpa	30
Rubber cushion compound	Elongation	%	>=350
	Specific Gravity	g/cm3	1.27
	Hardness	ShoreA	60+/-5
Adhesion	UHMWPE & Rubber	N/mm	6
	Rubber & Aluminium part	N/mm	6

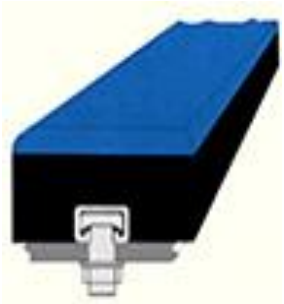
Dimension Of Impact Bar

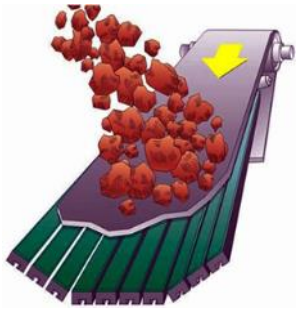


Specification (mm)	Height (mm)	Width (mm)	Length (mm)
1220*100*50	50	100	1220
1220*100*75	75	100	1220
1220*100*100	100	100	1220
1400*100*50	50	100	1400
1400*100*75	75	100	1400
1400*100*100	100	100	1400
1524*100*50	50	100	1524
1524*100*75	75	100	1524
1524*100*100	100	100	1524
1600*100*50	50	100	1600
1600*100*75	75	100	1600
1600*100*100	100	100	1600
1800*100*50	50	100	1800
1800*100*75	75	100	1800
1800*100*100	100	100	1800

IMPACT BED



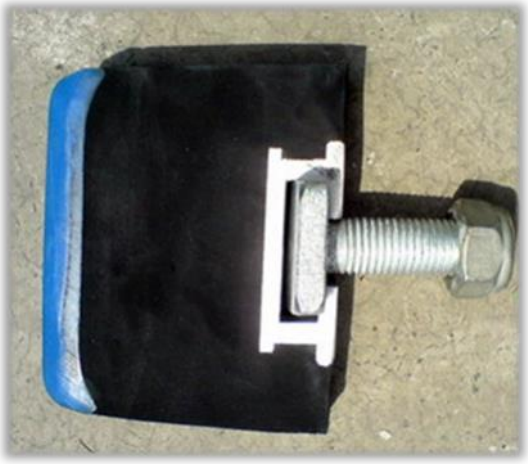


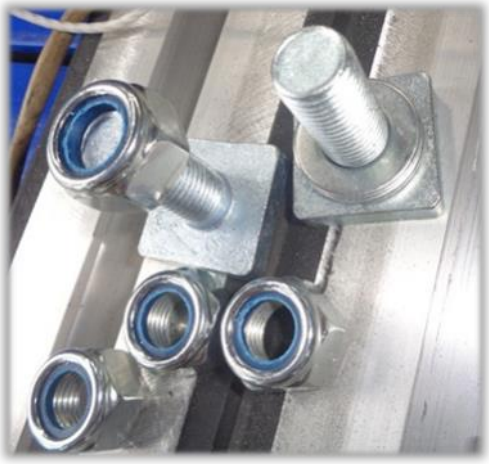


Model Selection

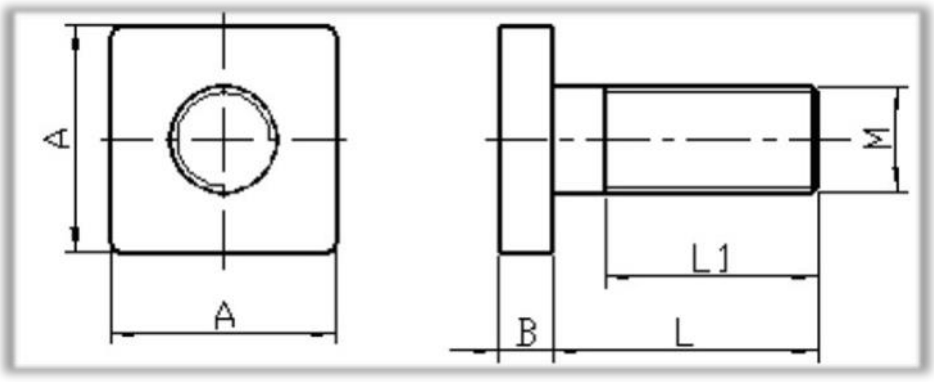
Belt width	Bar number			Distance (mm)		Roller width
	left	Center	right	both sides	Center	
550	1	2	1	50	0	200
650	2	2	2	25	25	250
800	2	3	2	50	5	315
1000	3	3	3	25	25	380
1200	3	4	3	55	20	465
1400	4	5	4	45	7	530
1600	5	5	5	25	25	600
1800	5	6	5	25	10	670
2000	6	6	6	20	250	750

T-BOLT





Type:M16-40, M16-50, M16-60



PULLEY LAGGING

Pulley Lagging: protecting the pulley shell from wear damage, and extending the pulley's service life. The lagging also increases the friction between the conveyor belt and the pulley to reduce belt slippage, and minimizes the buildup of bulk material, water, ice, or snow.

Available Lagging: Plain, Diamond, Square, Ceramic, Slide lagging, etc.

1. Diamond Pulley Lagging (Do-lag)

Diamond pulley lagging, economical type and less wastage, enhances the friction coefficient between the pulley and belt to reduce belt slippage.

1.1 Without CN bonding layer (Do-Lag)

1.1.1 Mini Diamond (M Do-Lag)

Tensile Strength (MPa)	Elongation at break (%)	Density (g/cc)	Hardness (Shore A)	Thickness (mm)	Width (mm)
7	350	1.3	65+/-5	8~30	up to 1400mm
5	300	1.45			

1.1.2 Large Diamond (L Do-Lag)

Tensile Strength (MPa)	Elongation at break (%)	Density (g/cc)	Hardness (Shore A)	Thickness (mm)	Width (mm)
8	350	1.35	65+/-5	10~30	up to 2000mm

1.2 With CN bonding layer (Do-Lag Plus)

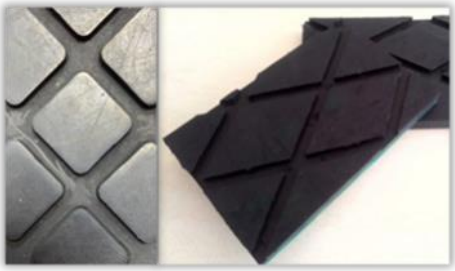
1.2.1 Mini Diamond (M Do-Lag Plus-1)

Tensile Strength (MPa)	Elongation at break (%)	Density (g/cc)	Hardness (Shore A)	Thickness (mm)	Width (mm)
12	400	1.2	65+/-5	8~30	up to 1400mm

1.2.2 Mini Diamond (M Do-Lag Plus-2)

Tensile Strength (MPa)	Elongation at break (%)	Density (g/cc)	Hardness (Shore A)	Thickness (mm)	Width (mm)
20	450	1.15	65+/-5	8~30	up to 2000mm

1.2.3 Square/Maxi Diamond (S/M Do-Lag Plus)



Tensile Strength (MPa)	Elongation at break (%)	Density (g/cc)	Hardness (Shore A)	Thickness (mm)	Width (mm)
15	450	1.15	60+/-5	8~15	2000mm

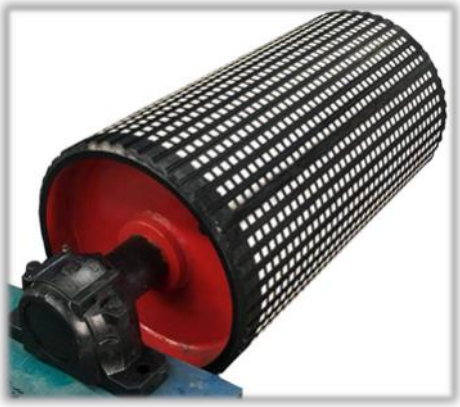
Specification (mm)	Pattern	Dimension (mm)
8x2000x10000	square	20x20
10x2000x10000	square	20x20
12x2000x10000	maxi diamond	85x50
15x2000x10000	maxi diamond	85x50

1.2.4 Crowned Diamond (C Do-Lag Plus)

Tensile Strength (MPa)	Elongation at break (%)	Density (g/cc)	Hardness (Shore A)	Thickness (mm)	Width (mm)
12	400	1.35	65+/-5	2010/12/15	250/500

2. Ceramic Pulley Lagging (Ce-Lag plus)

Ceramic pulley lagging is specially suited for pulleys where slippage and excessive wear and tear problems make normal rubber lagging ineffective. The alumina ceramic tiles help in proper grip of the belt under wet, muddy or any other such arduous conditions.



Tensile Strength (MPa)	Elongation at break (%)	Density (g/cc)	Hardness (Shore A)	Abrasion loss (mm^3)	Content of aluminum oxide (%)
17	400	1.2	65+/-5	120	92%

Width (mm)	Thickness (mm)	Length (m)
215	12	10m
250/300/400/500	12/15/20	As per request

3. Slide Rubber Lagging

Slide rubber lagging is suitable for coal, mining, port, and other application environment or the conveyor system, where has a problem of belt slippage.

The high wear resistant rubber improves the abrasion resistance and oxidation resistance of rubber greatly, prolonging service life in outdoor. The diamond pattern and groove greatly increase friction between belt and pulley, preventing the belt from slipping. This is easy for installation and replacement as well.

Product Parameters		
Item	**Unit**	**Value**
Material	-	NR/SBR
Density	g/cc	1.2
Hardness	Shore A	60+/-5
Tensile Strength	MPa	17
Elongation at break	%	420
Abrasion loss	mm^3	120
Working temperature	°C	-30~110

CONVEYOR BELT CLEANING SYSTEM

Primary Belt Cleaner

※ Positioned against the drive pulley, removing most of the material adhered to the belt after unloading.

※ High performance polyurethane blade, or tungsten carbide tips - excellent wear resistance & prolonging service life.

※ Self-adjusting spring tensioners for consistent pressure and effective cleaning.

Pre-cleaner PU

Pre-cleaner TC

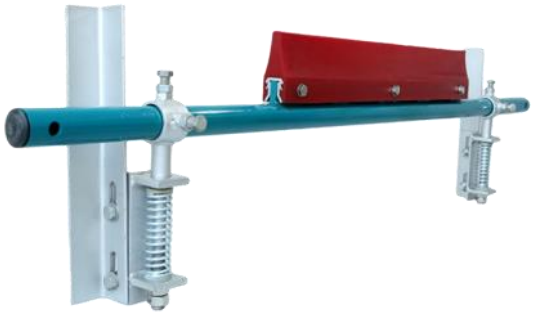
Secondary Belt Cleaner

※ Installed right behind the drive pulley, to remove the material uncleaned by the primary belt cleaner.

※ Used with primary cleaner to achieve good cleaning performance.

※ High performance polyurethane blade, or tungsten carbide tips - excellent wear resistance & prolonging service life.

Sec-cleaner PU



Sec-cleaner TC

V-Plow Belt Cleaner

※ Suitable for the toughest applications with wet and sticky carry-back.

※ Reduce material build-up on tail or take-up pulley

※ Improve belt alignment problems, and reduce the belt damage

※ Blade Type: Rubber, or High Quality Polyurethane

Diagonal Plow Belt Cleaner

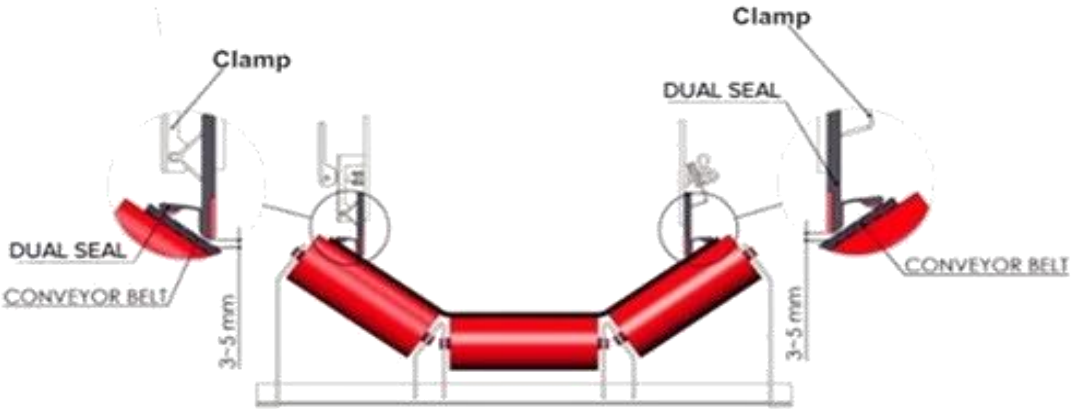
※ Suitable for the toughest applications with wet and sticky carry-back.

※ Reduce material build-up on tail or take-up pulley

※ Improve belt alignment problems, and reduce the belt damage

※ Blade Type: Rubber, or High Quality Polyurethane

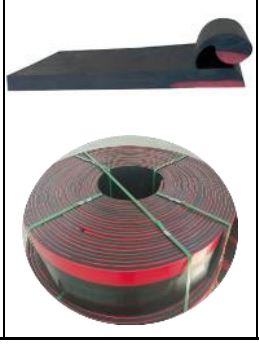
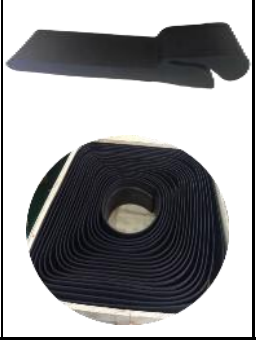
DOUBLE SEAL SKIRTING



Features

Dual Seal Skirting is a two-layer sealing strip system that includes a primary and secondary seal. The primary seal contains bulk material at the transfer point, while the outer secondary seal provides a floating contact area behind the primary slab to manages dust control. This skirting system effectively prevents material spillage and controls dust emissions in any load zone.

Product Parameters

Item	RP70	PU60	EPDM70	EPDM65
Material	NR/SBR Rubber Polyurethane	Polyurethane	EPDM Rubber	EPDM Rubber
Color	▲ ▲	▲	▲	▲
Hardness	Rubber 70±5 ShA PU 85±5 ShA	60±5 ShA	70±5 ShA	65±5 ShA
Tensile Strength	Rubber 8 MPa PU 35 MPa	40 MPa	8 MPa	8 MPa
Elongation @break	Rubber 350% PU 400%	660%	300%	300%
Abrasion Loss	PU 60 mm3	40 mm3	-	-
Height	130 / 150 / 180 / 190 /200 / 250 mm	150 / 190 mm	108 / 150 / 178 / 200 mm	108 / 150 / 178 / 200 mm
Image				

POLYURETHANE SKIRTING

Features

Polyurethane Skirting is designed for use as a sealing skirt along the conveyor belt on conveyor systems.

Material: POLYURETHANE

Advantage:

Excellent cut and tear strength, abrasion resistance, water & oil & grease resistance, cost effectiveness.

Product Range

※ **Width:** 100mm, 150mm, 200mm, 250mm, 300mm, 350mm, 400mm, 450mm, etc.

※ **Thickness:** 8mm, 10mm, 12mm, 16mm, 19mm, 20mm, etc.

※ **Color:** Red, Orange, Green, Black, etc.

Main Technical Data

Density	Hardness	Tensile Strength	Elongation at Break	Tear Strength	Temperature Range
1.25 g/cm^3	70±5 Shore A	40MPa	⩾650%	20 N/mm	-20°C ~ + 70°C
1.25 g/cm^3	90±5 Shore A	45MPa	⩾600%	40 N/mm	-20°C ~ + 70°C

NATURAL RUBBER SKIRTING

Features

Natural rubber skirting is a versatile and durable solution for a wide range of corrosion and wear protection applications. It is used effectively as sand and shot blast curtain material because of it's high abrasion resistance and resilience.

Material: Natural Rubber

Advantage:

※ Excellent resilience & tear strength

※ High wear and abrasion resistance

Product Range

※ **Width:** 100mm, 150mm, 200mm, 250mm, 300mm, 350mm, 400mm, 450mm, etc.

※ **Thickness:** 8mm, 10mm, 12mm, 16mm, 19mm, 20mm, etc.

※ **Color:** Red, Orange, Green, Black, etc.

Main Technical Data

Hardness (Shore A)	Specific gravity (g/cm^3)	Tensile strength (MPa)	Elongation at break (%)	Temperature Range (°C)	Abrasion Loss (mm^3)
35	1.05	20	750	-25~+80	80
40	1.05	16	600	-25~+80	80
40	1.05	20	600	-25~+80	80
40	1.05	22	600	-25~+80	80
40	1.12	19	600	-25~+80	130
45	1.05	20	650	-25~+80	80
45	1.1	15	600	-25~+80	120
50	1.2	16	600	-25~+80	120
55	1.25	16	600	-25~+80	120

HOT VULCANIZING MACHINE

Feature

◇ Sectional Machine, it is portable & meet all splice lengths.

Suitable For

◇ Fabric Ply Rubber Conveyor Belt

◇ Steel Cord Rubber Conveyor Belt

Types

Bar	Heating Platen	Pressure	Pump	Control Box
C type	Air Cooling/ Water Cooling	Water pressure platen/ Rubber pressure bag	Manual/ Electric	220V / 380V 50HZ
E type				

Electric systems are CE APPROVED.

Technical Parameters

1. Vulcanize pressure: 100PSI and 200PSI are available;
2. Vulcanize temperature: 145°C (adjustable);
3. Temperature-rising time: within 40 min;
4. Temperature difference on the working surface: ±3°C
5. Adjusting range of temperature from temperature regulator: 0°C～200 °C

How to Select the PROPER press

↘ Belt spec: Fabric or Steel Cord

↘ Belt Width

↘ Splice Length

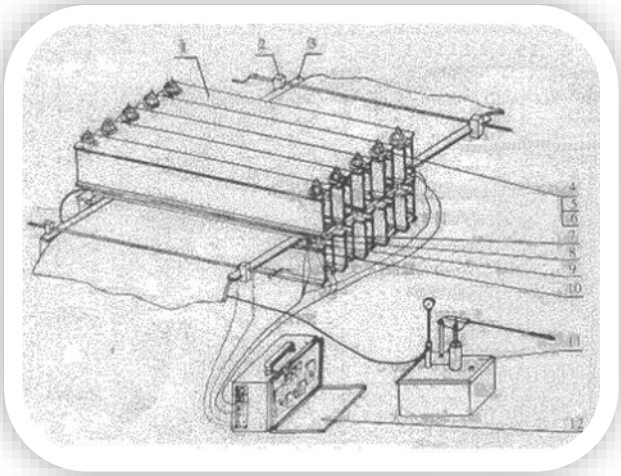
↘ The bias angle of the heating platen (commonly 17 or 22 degree)

↘ The voltage

C series

Structure

1. Frame
2. Clamping device
3. Padding plate
4. Bolt
5. Nut
6. Washer
7. Heat-isolating plate
8. Upper heating plate
9. Lower heating plate
10. Pressurizing devise
11. Pressurizing system
12. Electric heating control box

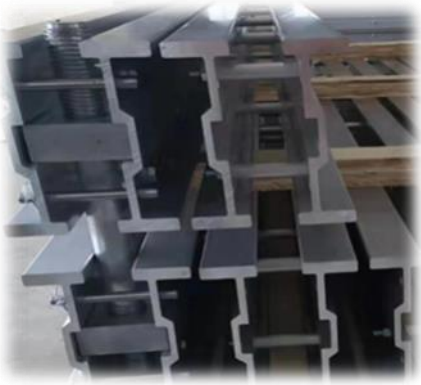


Standard Specification

Width Of Conveyor Belt (mm)	Power (kW)	Sizes Of Heat Plate L×W (mm)	Assembled Size L×W×H (mm)	Weight Of Heaviest Part (kg)
650	9.84	830×820	139×830×580	59
800	11.46	830×980	1561×830×580	70
1000	14.4	830×1205	1751×830×580	83
1200	16.02	830×1415	2001×830×725	101
1400	18.96	830×1640	2251×830×725	113
1600	22.2	830×1850	2370×830×895	126
1800	23.94	830×2055	2601×830×895	143
2000	26.76	830×2290	2801×830×895	162
2200	29.7	830×2510	3101×830×895	174

** other sizes are available, feel free contact us*

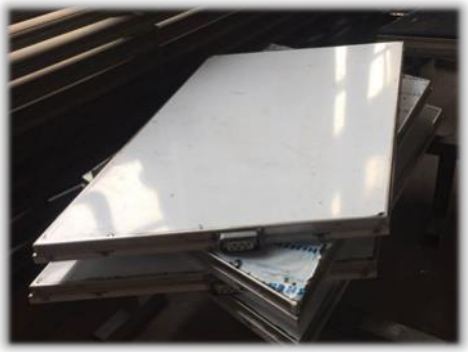
E series

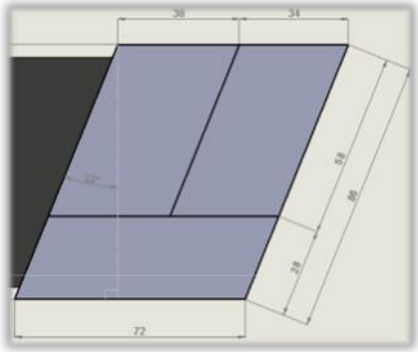


Components

Beam *(Aluminum alloy 6061-T6, 7005-T5)*

Heating Platen / Pressure Bag / Bolt & Nut





MACHINES FOR LIGHT DUTY CONVEYOR BELT

Suitable for

※ PVC / PU Light Duty Conveyor Belt

※ PVC Profiles /Guide / Cleat / Sidewall

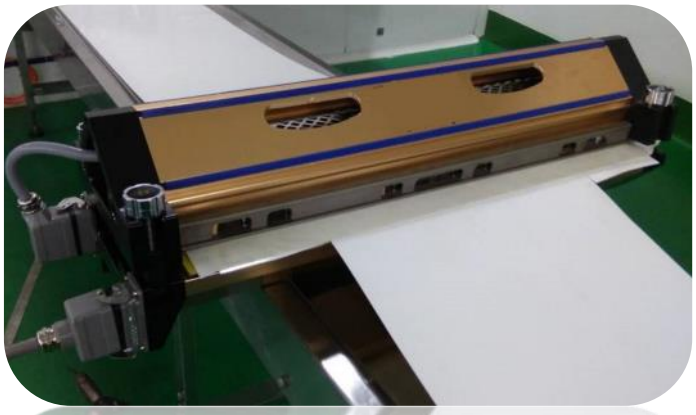
Jointing Machine

Application: Making splicing for PVC /PU light duty conveyor belt

Traditional Joint / Splicing Machine (WATER COOLING)

Belt Width:	300mm~3050mm
Heating Platen Width:	200mm
Temperature:	180°C
Voltage:	220V / 380V

Portable Joint / Vulcanizing Machine (Air Cooling)

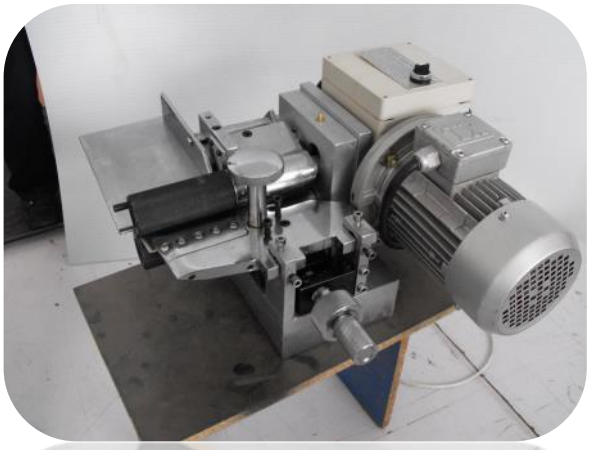


Completing the jointing in 7-12 minutes

Light Weight

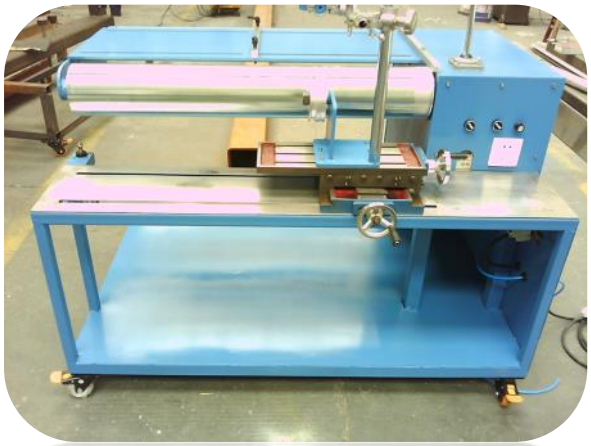
Easy Moving

Ply Separation Machine



Finger Machine

Guide Welding Machine



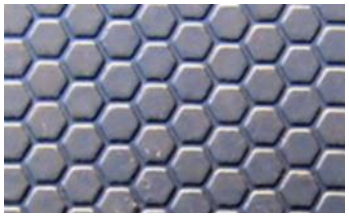
COW MAT

We offer comfort rubber mats for every application in the cow house, especially developed for and optimally adapted to the particular demands of dairy cows respectively young cattle.

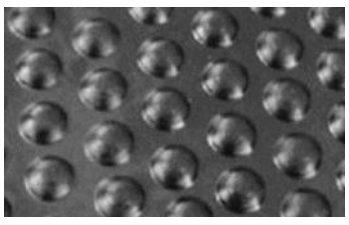
Model Selection

Surface:	Type 1
Bottom:	plain/ribbed
Tensile strength (Mpa):	4
Elongation (%):	250
Hardness (ShoreA):	65±5
Thickness (mm):	8-17
Width (mm):	1000-2000
Others:	1ply fabric

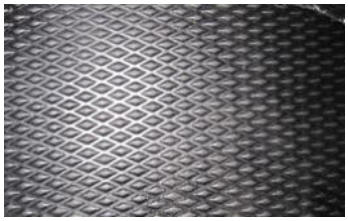
Surface:	Type 2
Bottom:	plain/fabric impression/ribbed
Tensile strength (Mpa):	4
Elongation (%):	250
Hardness (ShoreA):	65±5
Thickness (mm):	19
Width (mm):	1000-1830
Others:	1ply fabric



Surface:	Type 3
Bottom:	square
Tensile strength (Mpa):	4
Elongation (%):	250
Hardness (ShoreA):	65±5
Size (mm):	12x1220x1830



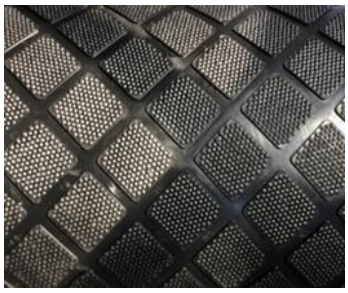
Surface:	Type 4
Bottom:	ribbed
Tensile strength (Mpa):	4
Elongation (%):	250
Hardness (ShoreA):	65±5
Size (mm):	17x1220x1830



Surface:	Type 5
Bottom:	ribbed
Tensile strength (Mpa):	4
Elongation (%):	250
Hardness (ShoreA):	65±5
Size (mm):	33x1220x1830

Surface:	Type 6
Bottom:	fabric impression
Tensile strength (Mpa):	7-12
Elongation (%):	450
Hardness (ShoreA):	70±5
Thickness (mm):	4
Width (mm):	1000-2000
Others:	1ply fabric

Surface:	Type 7
Bottom:	fabric impression
Tensile strength (Mpa):	4
Elongation (%):	300
Hardness (ShoreA):	65±5
Thickness (mm):	20
Width (mm):	1800
Others:	1ply fabric



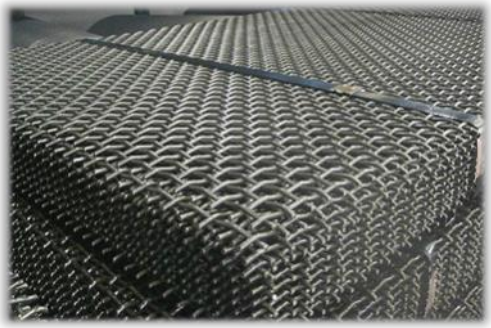
Surface:	Type 8
Bottom:	ribbed
Tensile strength (Mpa):	4
Elongation (%):	300
Hardness (ShoreA):	65±5
Thickness (mm):	17-20
Width (mm):	1000-2000
Others:	1ply fabric

Surface:	Type 9
Bottom:	big ribbed
Tensile strength (Mpa):	4
Elongation (%):	300
Hardness (ShoreA):	65±5
Thickness (mm):	17-20
Width (mm):	1200-1700
Others:	1ply fabric

Surface:	Type 10
Bottom:	fabric impression
Tensile strength (Mpa):	5
Elongation (%):	300
Hardness (ShoreA):	65±5
Thickness (mm):	6-8
Width (mm):	1000-2000
Others:	1ply fabric

SCREEN

Woven Wire screen



Woven Wire Screen is mainly used as screen mesh for a wide variety of equipment, such as quarrying screen, screen deck, screen wire for stone crusher, classifying trammels, vibrating screen, road construction equipment and the mine vibrating screens.

Applied Industries: Coal and Mining, Food, Chemical, Pharmaceuticals Industry, etc.

Material: High Carbon Steel Wire (Grade 45-70 and 65Mn); Stainless Steel

Polyurethane Mesh

Polyurethane mesh is developed for mining mineral processing, grading, dehydration and other screening machines.

※ Service Life is 3-10 times higher than traditional metal mesh

※ Mesh with elastic tension hooks on both sides, the overall light weight, good flexibility, easy to transport, storage, installation and removal easy.

SPRINGS

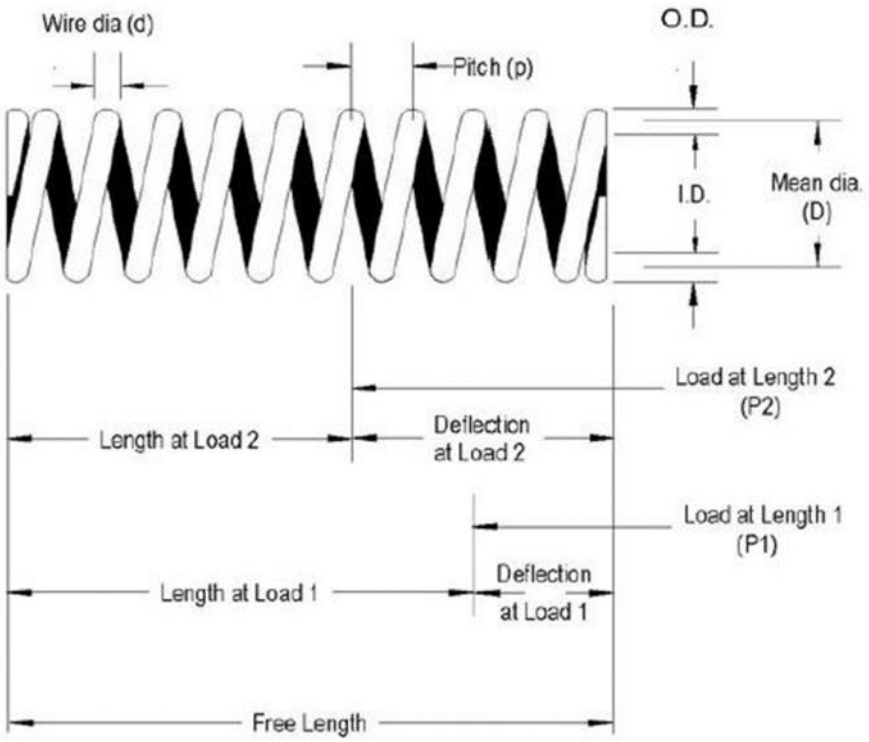
Springs are mainly used for engineering machinery and mining machinery, such as bulldozer, excavator, crusher, vibrating screen and ore table concentrator.

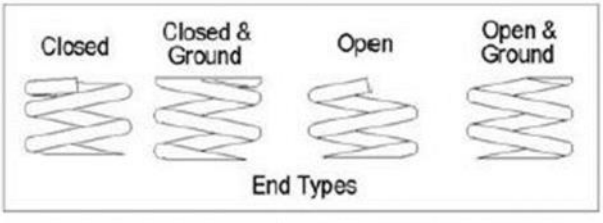
Material and Wire diameter

Materials: 60Si2MnA, 60CrMna, 60Si2CrVA, 55CrSi, TDCrSi and TDSiMn.

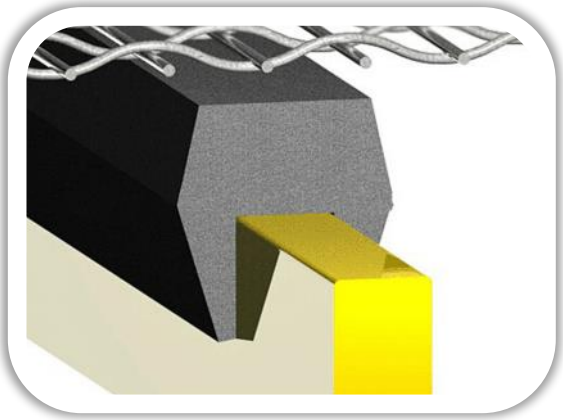
Wire diameters: from 0.2mm to 80mm.

Spring Design





RUBBER / POLYURETHANE CAPPING



Rubber or Polyurethane stringer bar capping are specifically designed extrusion products.

To cover the stringer bars on vibrating screens to protect the steel stringer bars, and to prevent the underside of the screen cloth from excessive wear and damage.

Capping Rubber

※ Made from EPDM rubber compound, specifically designed to have excellent ozone, wear and impact resistance.

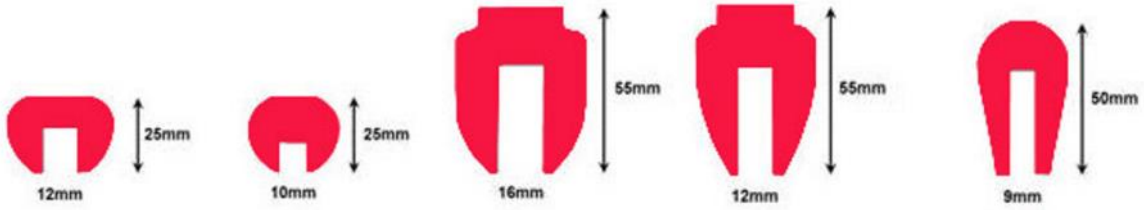
DESCRIPTION	VALULE
Material	EPDM Rubber
Colour	Black
Hardness	70±5(ShoreA)
Density	1.25±0.5 g/cm^3
Tensile Strength	9 MPa (min.)
Elongation at Break	400% (min.)

Polyurethane Capping

※ Made from high-grade polyurethane compound, specifically designed to have excellent ozone, wear and impact resistance.

DESCRIPTION	VALULE
Material	Polyurethane
Colour	Red/Orange/As request
Hardness	90±5(ShoreA)
Density	1.25±0.5g/cm3
Tensile Strength	29 MPa (min.)
Tear Strength	104 KN/M
Abrasion Loss	80mm^3 (max.)

Standard Size *(Other sizes can be made as request)*



ELEVATOR BUCKET & BOLT

※ For vertical transportation of powdered, granular and bulk materials.

※ Applications: Aggregates. Animal Feeds, Calcined Coke, Coal, Fertilizer, Flyash, Frac Sand, etc.

※ Bucket Type: carbon steel, stainless steel, HDPE, Nylon, Polyurethane, etc., can be selected according to material characteristics.

※ Choice of buckets: mainly based on material humidity and viscosity, also including particle size, loose density, temperature, grindability, etc. would be taken into consideration.

Bucket Model

D Type Bucket

High Strength deep bucket for agricultural application, available in in imperial and metric dimension.

M Type Bucket

Mid-deep bucket for agricultural application, suitable for variety of elevators with broader elevating speed range and large elevating capacity.

S Type Bucket

Shallow bucket for agricultural application, interchangeable with DQ type and EU type shallow buckets.

EU Type Bucket

Shallow bucket for agricultural application.

DS Type Bucket

Deep bucket widely used in grain, food, oil, feeds, and other industry.

DQ Type Bucket

Shallow bucket for agriculture application, widely used in grain, food, oil and other industry.

DW Type Bucket

DW type bottomless buckets are assembled using several bottomless buckets at a very tiny spacing with one bucket that has a bottom.

DM Type Bucket

For low speed agricultural bucket elevators and materials which require gentle handing.

DH Type Bucket

Designed for rice , seed, and grain drying machines.

DL Type Bucket

Specially designed for chain conveyors with horizontal and vertical transmission.

DG Type Bucket

This agricultural assembly bucket can adapt higher elevating speed and increase the elevating capacity.

AA Type Bucket

designed to replace traditional steel bucket. Well suited for conveying ore, sand, gravel, coal, fertilizer, clay, salt, limestone, cements, etc.

SM Type Bucket

This agricultural assembly bucket can adapt higher elevating speed and increase the elevating capacity.

SS Type Bucket

designed to replace traditional steel bucket. Well suited for conveying ore, sand, gravel, coal, fertilizer, clay, salt, limestone, cements, etc.

Fabricated steel Elevator Bucket

We customize this product according to customer’s request on specifications and material, therefore offering enormous variety of designs.

Material: Carbon Steel / Stainless Steel/Abrasion Resistant Steel

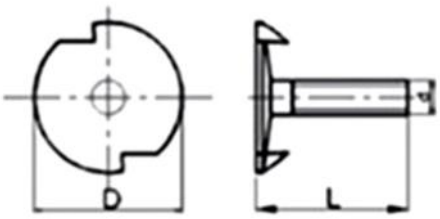
ELEVATOR BOLT

Fang Bolt

※ Carbon steel (Zinc Plated), Stainless Steel

※ Strength Grade: 4.8

※ Thread Manufacturing Precision: 6g



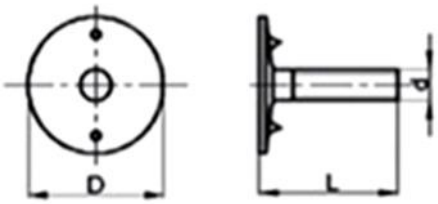
Size		Head Diameter	Length (mm) and Nominal Weight(Kg/100pcs)					
Metric	Imperial		25mm	30mm	35mm	40mm	45mm	50mm
			1''	1-1/4''	1-3/8''	1-1/2''	1-3/4''	2''
M6	1/4''	23	1.07	1.22	-	1.4	-	-
M8	5/16''	28	-	1.78	1.93	2.1	2.24	-
M10	3/8''	31	-	2.83	3.08	3.32	3.57	3.82
M12	1/2''	-	-	-	-	-	-	-

Euro Bolt

※ Carbon steel (Zinc Plated), Stainless Steel

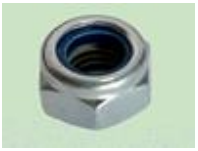
※ Strength Grade: 5.6

※ Thread Manufacturing Precision: 6g



Size	Head Diameter (mm)	Length (mm) and Nominal Weight(Kg/100pcs)								
		20mm	25mm	30mm	35mm	40mm	45mm	50mm	60mm	70mm
M6	25	0.95	1.04	1.13	-	-	-	-	-	-
M8	30	1.67	1.82	1.98	2.14	2.29	2.45	2.6	-	-
M10	35	-	3.15	3.4	3.64	3.89	4.14	4.38	-	-
M12	42	-	-	-	4.73	5.09	5.45	5.8	6.52	7.23

ELEVATOR BOLT ACCESSORIES

Item	Size (Nominal)		T	Kg
	Metric	Imperial	(mm)	(100pcs)
 Domed Washer	M6	1/4"	1.5	0.43
	M8	5/16"	2	0.75
	M10	3/8"	2	1.16
	M12	1/2"	2.0/2.5	1.9
 Large Flat Washer	M6	1/4"	1.5	0.27
	M8	5/16"	2	0.61
	M10	3/8"	2.5	1.2
	M12	1/2"	3	2.19
 Small Flat Washer	M6	1/4"	1.6	0.11
	M8	5/16"	1.6	0.19
	M10	3/8"	2	0.37
	M12	1/2"	2.5	0.67
 Spring Washer	M6	1/4"	1.6	0.05
	M8	5/16"	2.1	0.11
	M10	3/8"	2.6	0.21
	M12	1/2"	3.1	0.36
 Hexagon Nut	M6	1/4"	5.2	0.21
	M8	5/16"	6.8	0.45
	M10	3/8"	8.4	0.84
	M12	1/2"	10.8	1.25
 Nyloc Nut	M6	1/4"	8	0.22
	M8	5/16"	9.5	0.46
	M10	3/8"	11.9	0.86
	M12	1/2"	14.9	1.28

Item	Size	Flange Size	Spanner Size	Thickness	Nominal Weight
	Metric	mm	mm	mm	kg/100pcs
 Flange Nut	M6	13	10	6	0.3
	M8	18	13	8	0.7

BELT CONNECTION

S1 Type

Belt Strength: ≤ 600 N/mm

Material: Carbon Steel (galvanized)

Bolt Size: M10

Features: Created by stamping with accurate dimension, ease to assemble, suitable for various belt width.

S2 Type

Belt Strength: ≤ 1000 N/mm

Material: Carbon Steel (galvanized)

Bolt Size: M10

Features: Created by stamping with accurate dimension, ease to assemble, suitable for various belt width.

S4 Type

Belt Strength: ≤ 1200 N/mm

Material: Carbon Steel (zinc plated), Stainless Steel

Bolt Size: M12

Features: Created by casting with accurate dimension, serrated jaws generating superior clamping force, ease to assemble, suitable for various belt width.

S5 Type

Belt Strength: ≤ 1600 N/mm

Material: Carbon Steel (zinc plated), Stainless Steel

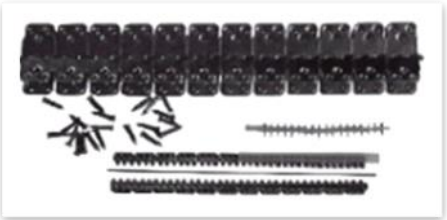
Bolt Size: M16

Features: Created by casting with accurate dimension, serrated jaws generating superior clamping force, ease to assemble, suitable for various belt width.

FASTENERS

Fasteners for heavy duty belts

Rivet Fasteners



MS Fasteners

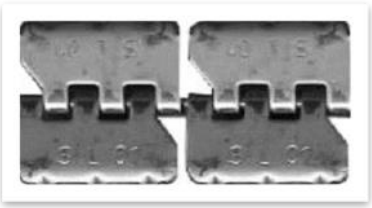
Titan Series Fasteners

Bolt Plate Fasteners

V6 Fasteners

Fasteners for light duty belts

Self-Lock Fasteners



MR Fasteners

Flexible Steel Fasteners

Carded Hook Fasteners

STEP SHAFT / FORGED BAR

Application

※ Mainly used for Mine industry, Marine Industry, Electric Generation, Petrol Industry, etc.

Features

1. Rough Machining or Finish Machining.
2. Manufacture as per drawing, could be journaled to meet customer's requirement.
3. Qualified supplier, and handle customer's need with consistent quality.

Material Ranges

※ ISO 42CRMO4, AISI 4140, AISI 4340, AISI 1045, DIN 42CRMO4, DIN 36CRNIMO4, NF 40NCD3, BS 708M40, SS14 2214, JIS SCM435, JIS SNCM439, GB 25#,GB 42CRMO4, GB 40CRNIMO, etc.

※ The material could be used as per customer’s requirement.

Specification

Type	Max. Diameter	Max. Length	Max. Weight
Step Shaft/Bar	1500mm	17000mm	70t

RING / END DISC / FLANGE

Application

※ Mainly used for Mine industry, Marine Industry, Electric Generation, Petrol Industry etc.

Features

2. Rough Machining or Finish Machining.

3. 2. Manufacture as per drawing.

4. 3. Qualified supplier, and handle customer's need with consistent quality.

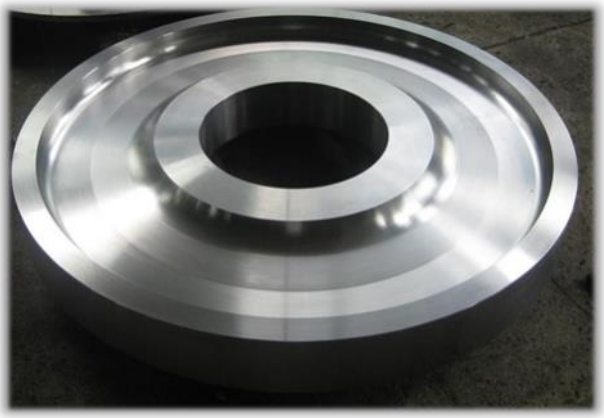
Material Ranges

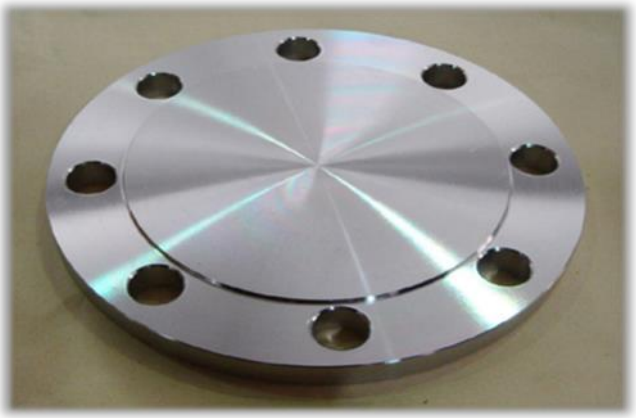
※ ISO 42CRMO4, AISI 4140, AISI 4340, AISI 1045, DIN 42CRMO4, DIN 36CRNIMO4, NF 40NCD3, BS 708M40, SS14 2214, JIS SCM435, JIS SNCM439, GB 25#, GB 42CRMO4, GB 40CRNIMO, etc.

※ The material could be used as per customer’s requirement.

Specification

Type	Max. Diameter	Max. Height	Max. Weight
Ring/End Disc/Flange	7500mm	1200mm	40t





BEARING HOUSING & SLEEVES

Application

→ **Split Plummer Block Housings / Pillow Block Housing:** Normally used for Conveyor equipment, Paper machines, Drums, Tube mills, Converters, Large electrical machines, etc.

→ **Adapted / Withdrawal sleeve** — the assembled part with the shaft: Mainly used for Conveyor equipment in the field of Light industry, Metallurgical industry, Textile, Paper-making, etc.

Features

※ Advanced Painting, High Precision, Full range of standard housing

Material Ranges

※ Casting Iron, Ductile Iron, Carbon Cast Steel, Stainless Steel, Plastic, Zinc alloy

Series

→ **Split Plummer Block Housing:** SN500, SN600, SN200, SN300, SNU500, SD3000, SD3100, SD500, SN3000, SAF500, SAF600, etc.

→ **Pillow Block Housing:** UCP200, UCSB200, UCPA200, UCPC200, UCTB200, UCFK200, UCST200, UCFC200, etc.

→ **Adapter Sleeves:** H200, H300, H2300, H3100, H3000, H3200

→ **Withdrawal Sleeves:** AH200, AH300, AH2300, AH3200, AH3100, AH3000

BEARING

Application

※ A bearing being a machine element that allows one part to bear another. It constrains relative between moving parts to only the desired motion.

※ Widely used in many industries: Automatic, Mechanical, Mining, Food, Packaging, Printing, Textile, etc.

Features

※ High Precision, Low Friction, Many kind of series

Material Ranges

※ Carbon Steel, Stainless Steel, Carbon Alloy Steel, etc.

→ Deep Groove Ball Bearing

→ Angular Contact Ball Bearing

→ Four Point Contact Ball Bearing

→ Aligning Ball Bearing

→ Cylindrical Roller Bearing

→ Needle Roller Bearing

→ Tapered Roller Bearing

→ Spherical Roller Bearing

→ Thrust Ball Bearing

→ Cylindrical Roller Thrust Bearing

→ Thrust Needle Roller Bearing

→ Thrust Tapered Roller Bearing

→ Spherical Thrust Roller Bearing

CONVEYOR COVER

Conveyor Cover is well known as conveyor belt hood and used to protect transported material and conveyor belting, idlers and structure. It improves personnel safety, reduces loss of material to wind and stops grime and rain from damaging the idlers and belt.

Application: mostly used in power plant, cement factory, iron and steel factory, chemical factory, coal, port, jetty, mining...

Performance and Features

※ Proven strength, adaptability and low maintenance.

※ Lightweight elements simplify assembly, dismantling and re-use.

※ Zinc coating of the sections and support bands combine to provide long service life.

※ Designed to provide easy access for belt and idler repair.

We can provide

※ Fixed- type, Part open-close type, Whole open-close type

※ Available in blue, grey, white, red or other color as per client's need

※ Fixed type

※ Part open-close type

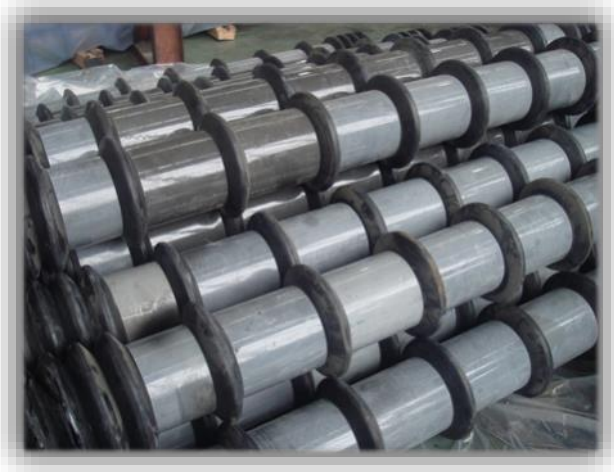
※ Whole open-close type

Generally for large belt conveyor width

※ Conveyor cover parts

Generally for open-close type

RUBBER DISC



Application: For Impact Idlers

Materials: NBR, NR, EPDM, CR

Features:

→ Ozone and chemical resistant

→ Anti aging, good flexibility and elasticity

→ Excellent oil resistant

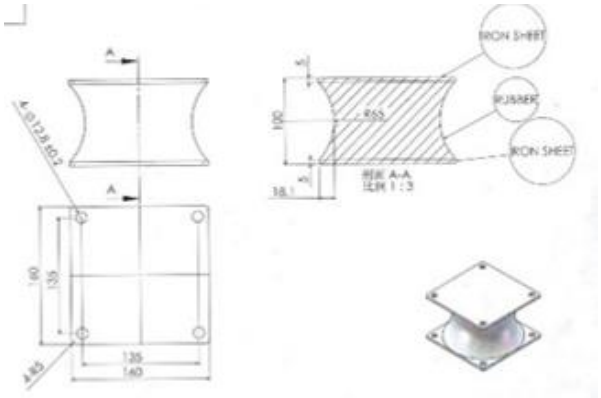
DAMPER BUFFER RUBBER

Application:

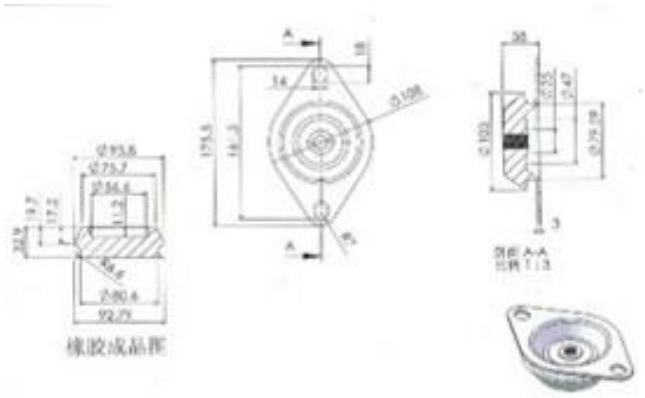
Used on the crusher, mobile screen and other type of mining machines; Absorbing impact loading to reduce shock and stress loading to the structure.

Features: Flexibility, non-toxic, anti-skid, anti-shedding, anti-aging, wear resistance, high and low temperature resistance, corrosion resistance.

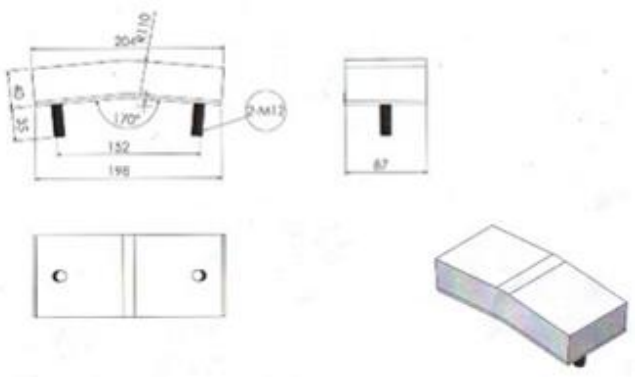
SCREEN DAMPER BUFFER



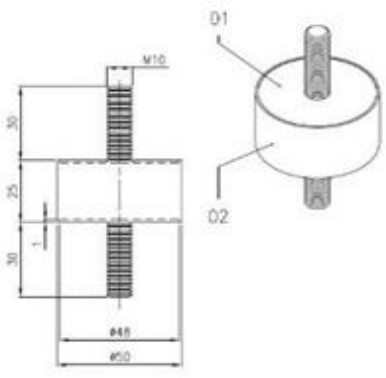
CAT ENG MOUNT



GRID RUBBER IMPACT



VIBRATION RUBBER



FAST REPAIR KITS

Your Swift Conveyor Belt Repair Solution

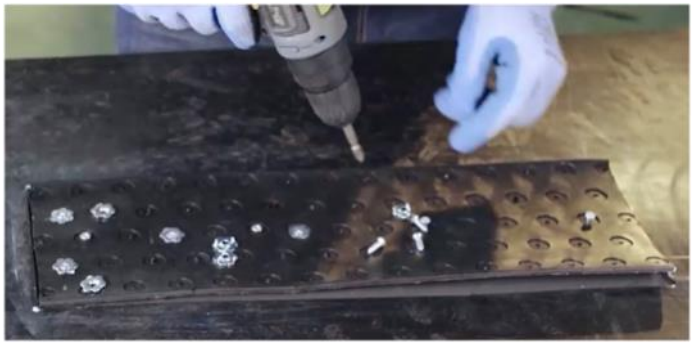
' Chemical-Free, Tool-Free — Day or Night, Any Weather '

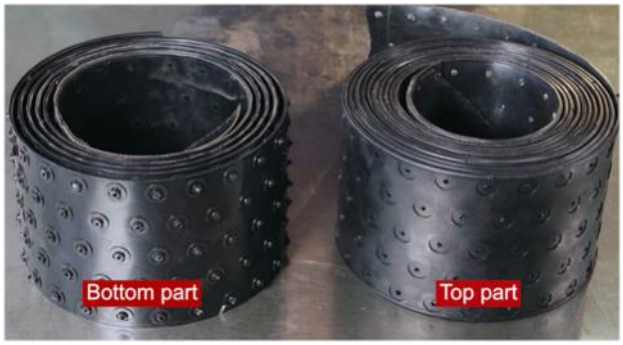
It can repair:

- Longitudinal Rip
- Crosswise Rip
- Belt edge broken
- Belt holes and tears

Suitable industry:

- Quarries
- Mining
- Cement
- Power Plant...





Standard Fast Repair Kits

※ 20 m per kit with 3000 screws + PZ bits + over-length screws

※ Every kit includes over-length screws: 5 PCS /m, 1 PC PZ bit /m

Emergency Fast Repair Kits

※ 2 m per kit with 300 screws + 2 PZ bits + 10 over-length screws

Choose Screws in Group A or B, Material, and Grade:-

☐ **Screw Group A**

* 600 screws 5 x 10 mm
* 900 screws 5 x 12 mm
* 600 screws 5 x 14 mm
* 300 screws 5 x 16 mm
* 300 screws 5 x 18 mm
* 300 screws 5 x 20 mm

☐ **Screw Group B**

* 1050 screws 5 x 12 mm
* 900 screws 5 x 14 mm
* 450 screws 5 x 16 mm
* 300 screws 5 x 18 mm
* 300 screws 5 x 20 mm

Material: ☐Carbon Steel ☐Stainless Steel

Grade Selection for Fast Repair Kits

☐ AR | Abrasion Resistant

☐ HTR | Heat Resistant 200°C

☐ LTR | Cold Resistant –50°C

☐ OR | Oil Resistant

☐ FR | Fire Resistant ISO 340

SUPER JOINT

A Revolutionary and User-Friendly Solution for Efficient Belt Splicing,

Overcoming the persistent challenges posed by a scarcity of skilled labor, complex work environments, adverse weather conditions, and the reliance on heavy and expensive equipment.

Applications:

- ※ Agriculture
- ※ Cement
- ※ Grains
- ※ Mine
- ※ Port
- ※ Power Plant
- ※ Quarry
- ※ Steel Plant
- ※ Sugar Plant
- ※ ....

Key Advantages of Super Joint:

Only suitable for textile conveyor belt

- ※ Minimize downtime
- ※ Quick and simple to install
- ※ No need for external power
- ※ Only need lightweight tools
- ※ Prevent Carcass Damage
- ※ Compatible with conveyor scrapers

SUPER JOINT SELECTION GUIDE

Step 1 - Choose the Right Type:

※ Consider belt strength, working tension, thickness, and cover grade.

※ Provide belt type for assistance if needed.

Step 2 - Confirm Dimensions:

※ Joint Length = Product Width, in the table below.

Table 1 - TECHNICAL DATA SHEET

ITEMS	35	63	65	80	85	100	105	125	127	180	185	200	205
Final Belt Thickness mm*	4~11	4~13	4~13	4~15	5~15	6~15	6~15	7~20.5	7~19	7~20.5	7~19	7~19	7~17.5
Max. Belt Tension N/mm	31	63	63	80	80	100	100	125	125	180	180	200	200
Max. Belt Strength N/mm	315	630	630	800	800	1000	1000	1250	1250	1800	1800	2000	2000
Min. Pulley Dia. mm	160~200	220·300	250~300	250~350	270~400	300~350	350~400	350~400	350~500	400~800	500~800	500~1000	650~1000
Thickness Upper Part ±1mm	4.5	5	6.5	6	7.5	7.5	9	6.5	8.5	6.5	8.5	8.5	10
Thickness Bottom Part ±1mm	3.7	4	4	4.5	4.5	4.5	4.5	6	6	6	6	6	6
Number Of Textile Plies Top	1	2		2		3		2		2		2	
Number Of Textile Plies Bottom	1	2		2		2		2		2		2	
Products Width mm	62	110		156				266					
Skiving Depth First Screwed Part mm	24	50		72				126					
Skiving Depth Second Screwed Part mm	38	60		84				140					
Weight Without Screws Approx. g/m	849	1476	1704	2285	2522	2585	2922	--	--	--	--	--	--
Qty Of Screws Per Meter	110	200		280				254					
Screws Φ mm	M5							M6					
Roll Length m	25							15					
Standard Number Of Screws	2750	5000		7000				3810					
The Real Packed Quantity Of Screws	3870	6075		8100				4000					
Standard Spacers Needed	10Pcs /Meter							10Pcs/Meter					
Standard Pz Bages Needed	1Pcs/Meter							1 Pcs/Meter					
Number Of Packing Cartons	2	3						3					
Screws Packing	Plastic Box												
Pz Bits & Spacers Packing	Poly bag or box												

Table 2 - TECHNICAL DATASHEET *(Imperial)*

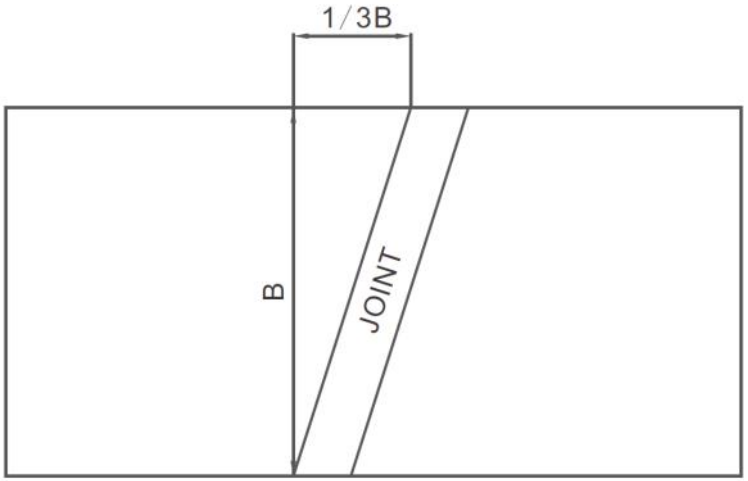
ITEMS	35	63	65	80	85	100	105	125	127	180	185	200	205
Final Belt Thickness (inch)	5/32~7/16	5/32~1/2	5/32~1/2	3/16~19/32	3/16~19/32	1/4~5/8	1/4~5/8	9/32~13/16	9/32~13/16	9/32~13/16	9/32~13/16	9/32~3/4	9/32~3/4
Max. Belt Tension (PIW)	200	360		450		650		750		1000		1200	
Max. Belt Strength(N/mm)	315	630	630	800	800	1000	1000	1250	1250	1800	1800	2000	2000
Min. Pulley Dia. (inch)	6	8		10		12		14		16		20	
Thickness Upper Part (inch)	5/32	3/16	15/64	15/64	9/32	9/32	11/32	1/4	11/32	9/32	11/32	11/32	25/64
Thickness Bottom Part (inch)	5/32	11/64		11/64				15/64					
Number Of Textile Plies Top	1	2		2		3		2		2		2	
Number Of Textile Plies Bottom	1	2		2		3		2		2		2	
Products Width (inch)	2.4	4.3		6.1				10.5					
Skiving Depth First Screwed Part (inch)	1	2		2.8				5					
Skiving Depth Second Screwed Part (inch)	1.5	2.4		3.3				5.5					
Weight Without Screws Approx. lb/ft	0.571	0.992	1.145	1.535	1.695	1.737	1.963	--	--	--	--	--	--
Qty Of Screws Per Meter	110	200		280				254					
Screws Φ mm	M5							M6					
Roll Length (ft)	82							50					
Standard Number Of Screws	2750	5000		7000				3810					
The Real Packed Quantity Of Screws	3870	6075		8100				4000					
Standard Spacers Needed	10 Pcs/Meter							10 Pcs/Meter					
Standard Pz Bags Needed	1 Pcs/Meter							1 Pcs/Meter					
Number Of Packing Cartons	2	3						3					
Screws Packing	Plastic Box												
Pz Bits & Spacers Packing	Poly bag or box												

✏️ Note:

It will be Bia Splicing, and the length of the inclined edge is 1/3 of the belt width.

※ Calculate according to the right figure :

※ The required length of Super Joint is commonly based on the belt width +10% of the belt width as the slightly redundant of Super Joint. After the splicing is completed, it will be cut to an appropriate width.



Step 3 - Select the Performance:

※ Select the appropriate performance based on your specific working conditions and the material type.

※ Crafted in compliance with the highest international standards for diverse material transport.

※ Vital for product longevity, assessed carefully during selection.

AR | Abrasion Resistant

※ Suitable for: Most abrasion and general-use occasions.

※ DIN abrasion index: ⩽90 mm^3

OR | Oil Resistant

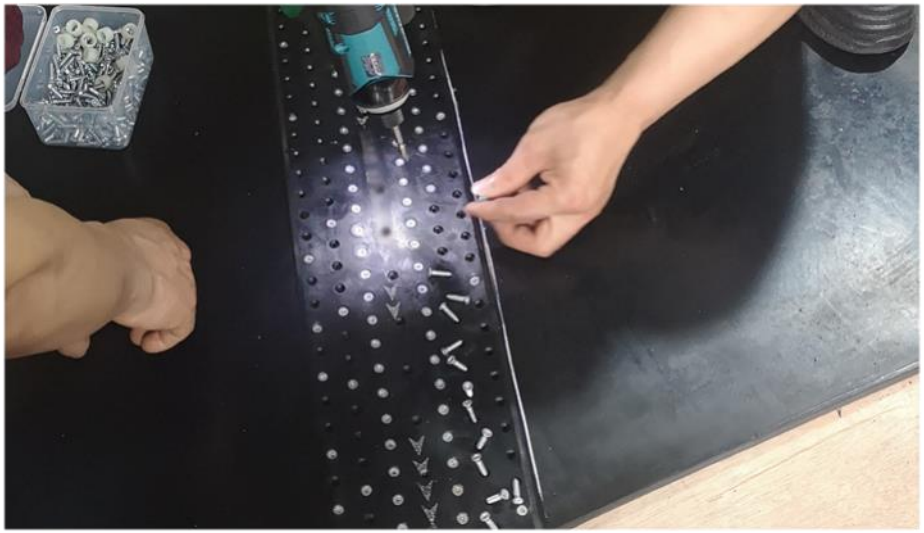
※ Suitable for: Conveying oily materials such as wood, oil and urban solid waste.

HTR | High Temperature Resistant

※ Suitable for: Conveying materials up to 200℃, such as pellets and sinters.

FR | Fire Resistant

※ Suitable for: Materials transportation in environments like power plants, coal mines and underground mines.



Step 4 - Select the Self-Tapping Screw

※ Select the screw size for your conveyor belt thickness; the screw number is set based on the product type.

※ Consult the table or share your belt type for expert advice.

※ **Important:** Ensure optimal screw length for complete installation and joint strength; too short impedes installation, too long exposes the screw end.

Table 3 - Screws M5 and Spacers

ITEMS		35	63	65	80	85	100
Qty of screws per meter		110	200		280		
Qty of spacers per meter		10					
PIZ bit needed		PZ 2					
Belt thickness mm	**Spacers type**	Screw size Φ × L mm					
4~5	5H5	5×10	5×10	5×12	5×12	NONE	NONE
5~7	5H5	5×12	5×12	5×14	5×14	5×16	5×16
7~9	5H7	5×14	5×14	5×16	5×16	5×18	5×18
9~11	5H9	5×16	5×16	5×18	5×18	5×20	5×20
11~13	5H11	5×18	5×18	5×20	5×20	5×22	5×22
13~15	5H13	N/A	N/A	N/A	5×22	5×24	5×24

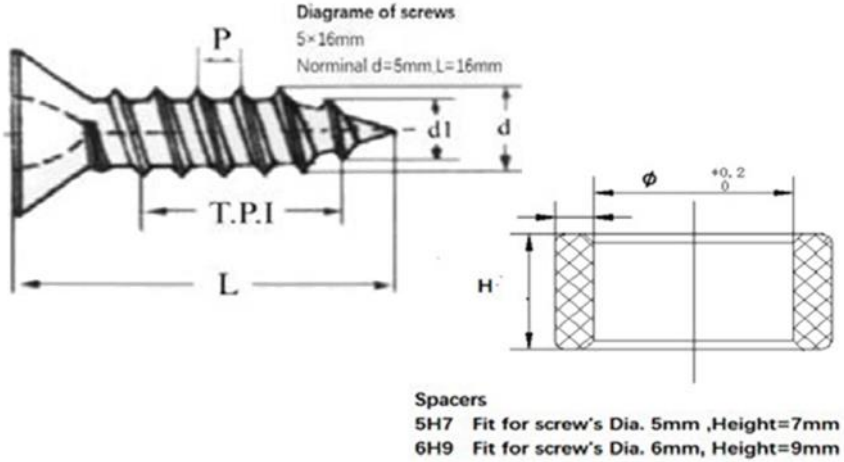
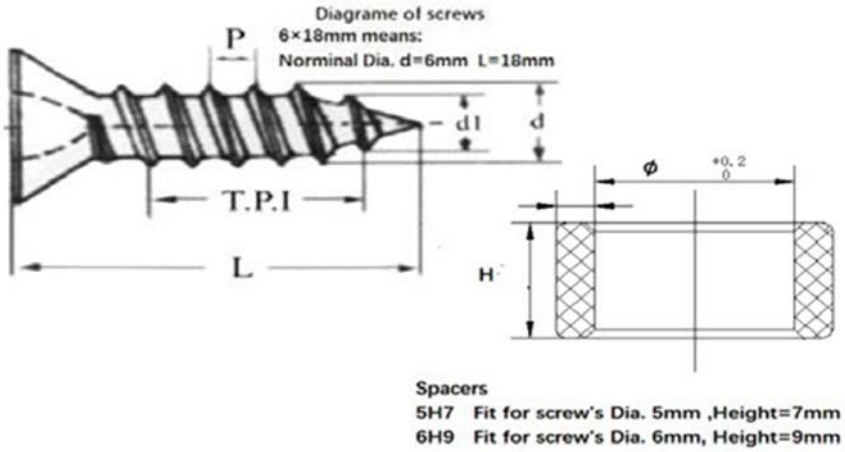


Table 4 - Screws M6 and Spacers

ITEMS		125	127	180	185	200	205
Qty of screws per meter		254					
Qty of spacers per meter		10					
PIZ bit needed		PZ 3					
Belt thickness mm	**Spacers type**	Screw size Φ × L mm					
7~8	6H7	6×19.5	6×21	6×19.5	6×21	6×21	6×22.5
8~10	6H9	6×21	6×22.5	6×21	6×22.5	6×22.5	6×24
10~11.5	6H11	6×22.5	6×24	6×22.5	6×24	6×24	6×25.5
11.5~13	6H11	6×24	6×25.5	6×24	6×25.5	6×25.5	6×27
13~14.5	6H15	6×25.5	6×27	6×25.5	6×27	6×27	6×28.5
14.5~16	6H15	6×27	6×28.5	6×27	6×28.5	6×28.5	6×30
16~17.5	6H17	6×28.5	6×30	6×28.5	6×30	6×30	N/A



Step 5 - Tools & PPE Wear Instruction

※ If you need assistance, please feel free to reach out to us.

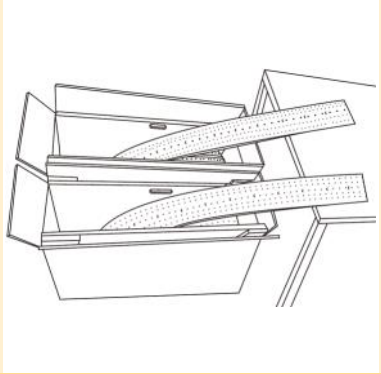
Object	Requirement	Purpose	Note
Work gloves	With certain anti-cut function	Protect the hands of operator	
Safety goggles	High transparency	Protect the eyes of operator	
Measuring tape	Range 3000mm/1000mm	Measure the size of the belt and SUPER JOINT	
Cutting Knife	With metal sheath	Cut the conveyor belt	
Mark pen	White and water-soluble color	Marking	
Electronic screw drive	Lithium battery is recommended for easy operation	Screwing	
Electronic skiver and blades	Lithium battery is recommended for easy operation	Skiving the rubber cover	

✏️ Note:

- PPE wear important
- Do not use the impact drill
- Put thick wood board under the Super Joint
- Do not slide the thick wood board under Super Joint
- Do not screw on the drum

Step 6 - Install Super Joint

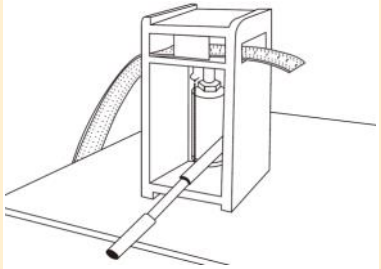
1 Open SUPER JOINT package



• **Identify upper and bottom parts:**
- Both have middle markings for identification. Upper part is for the working cover side of the conveyor belt, bottom part is only for the pulley cover side.
- Both packaged separately but pre-matched.

• **Important:**
- Check package batch number. Upper and bottom parts with the same batch number are matched.

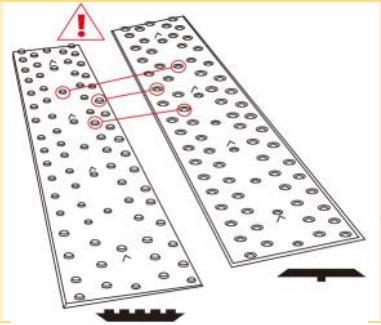
2 Cut SUPER JOINT to the required length



• Use hydraulic cutting tools for the cutting. (Contact us for cutting tools.)

• A grinder can be used for cutting.

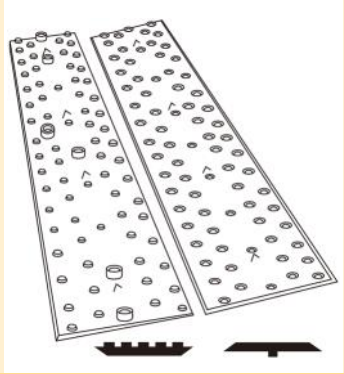
3 Align top and bottom holes



• When aligning, ensure the arrows on the marking strips point in the same direction. Small gaps may occur due to material elasticity.

(In this figure, the bottom part is on the left with its working surface downward, and the upper part is on the right with its working surface upward).

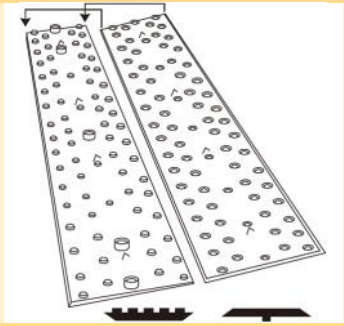
4 Install spacers from both sides (for the middle rows of products).



• The spacer determines the position of the upper and bottom parts. Once the spacers are secured, the positions of the upper and bottom belt screw holes will be aligned.

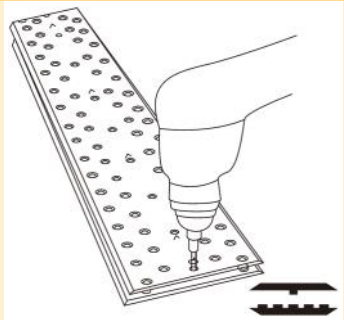
• The spacers are only placed on a row of raised holes in the middle of the back side of the bottom parts.

5 Close the upper and bottom belt as shown in figure



• When spacers are installed, close the upper and bottom parts as shown in the figure. At this time, move only the upper belt.

6 Install screws through the spacers

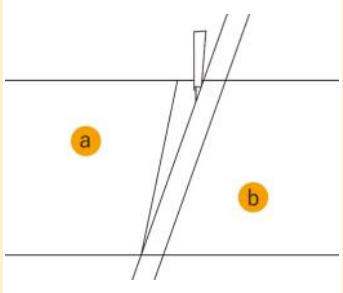


• After closing the upper and bottom parts, use an electronic screwdriver to position screws in the middle row of spacer holes. The screws connect the upper and bottom parts through the spacers.

• Follow the specified sequence during installing.

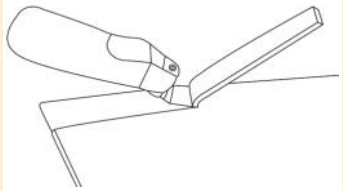
Step 6 - Install Super Joint

7 Measurement, scribing, and cutting on the belt end



• Distance from the end of the right-angle edge to the break point of the hypotenuse = 1/3 belt width (unit: mm). According to the measurement, both ends of the cutting are aligned.

8 Skiving the rubber cover to appropriate thickness

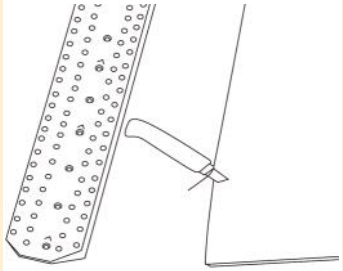


• Use the special electronic skiver to remove the rubber cover.

• Note: Keep the adhesive layer on the carcass to protect it.

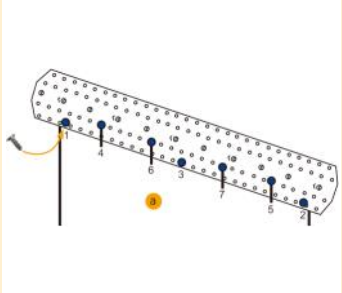
• Please refer to the following **table 5** to determine the skiving depth.

9 Chamfering both sides of the conveyor belt



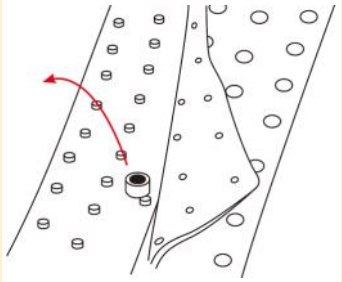
• If the total thickness of the conveyor belt is ≥6m, chamfering is required. Place the SUPER JOINT in close contact with the belt, ensuring it rests against the spacers.

10 Screwing from the trailing side



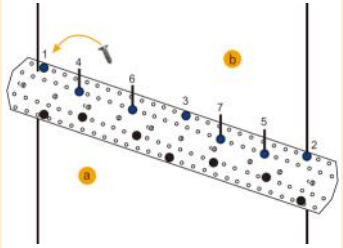
• The screwing sequence is shown in the figure. Place a thick wood board underneath the belt before screwing.

11 Remove the spacers



• Before removing the spacers, tighten all screws on the SUPER JOINT trailing side.

12 Aligning and screwing on the other side



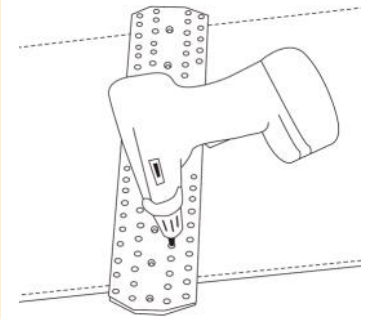
• The screwing sequence is shown in the figure; both parts should be in close contact.

• WARNING: ensure the two sides are in contact.

Table 5	35	63	65	80	85	100	105	125	127	180	185	200	205
Skiving depth trailing side mm	24	50		72				126					
Skiving depth leading side mm	38	60		84				140					
Top belt thickness ±1mm	4.5	5	6.5	6	7.5	7.5	9	6.5	8.5	6.5	8.5	8.5	10
Bottom belt thickness ±1mm	3.7	4	4	4.5	4.5	4.5	4.5	6	6	6	6	6	6

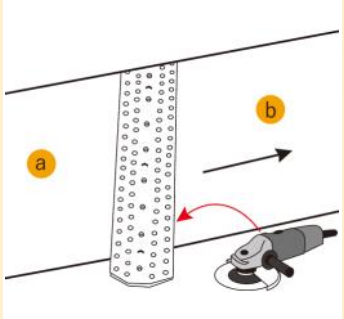
Step 6 - Install Super Joint

13 Tighten all screws



• Tighten all screws.

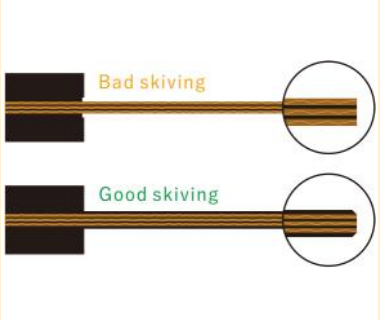
14 Trim SUPER JOINT with grinder if necessar



• If needed, trim the SUPER JOINT with a grinder along the edge of the belt.

15 Points to note when splicing

Appropriate skiving of the covering rubber

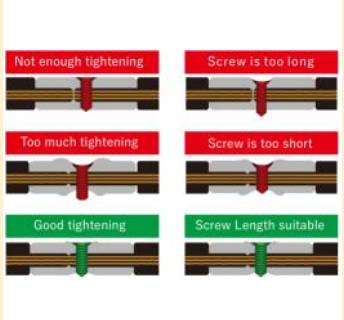


• A thin layer of rubber should be left to protect the carcass.

• As shown in the figure, covering rubber should be appropriately skived.

• Bad skiving: carcass is exposed, and the skiving is uneven over the belt.

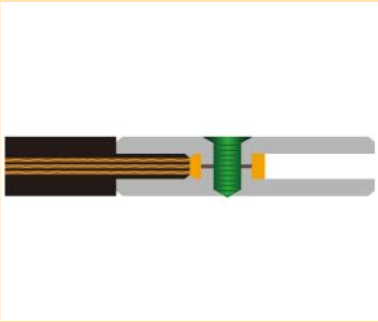
The tightness and the length of the screws



• Appropriate screw tightening is required.

• Select the appropriate screw length.

Spacer and trailing belt position



• The belt textile core should be tightly close to the spacer.

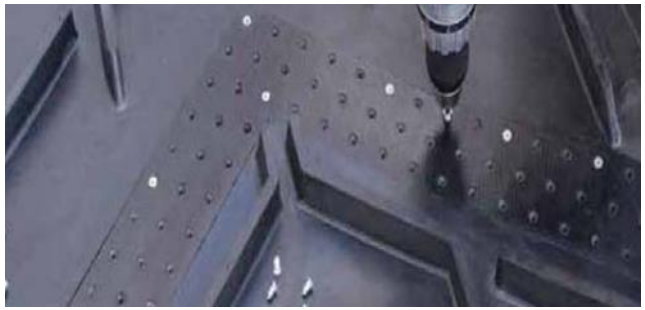
Ensure close contact of the textile core in the trailing belt without gaps

• SUPER JOINT is also suitable for the splicing of Chevron Textile Conveyor Belting.

• Attention: The splicing must follow the chevron belts pattern.

SUPER JOINT CHEV.

Easy, Reliable, and Quick Solution for Profiled Belt Splicing:



※ Integrated curing for custom belt lengths with precise tolerance.

※ Easy installation or replacement, no need for complex tools or conveyor disassembly.

※ Ideal for Mobile Crusher, Mobile Screening, Quarry Plants, Agriculture, Cement, Recycling Plants, and Road Machines.

Product Kit Includes: Top and Bottom Parts, Screws, PZ Bits, and Spacers.

※ Screws dimensions adapt to belt thickness.

※ Splicing area thickness matches the belt body.

Refer to tables 6 and 7 for SUPER JOINT #40 selection based on cleat width and angle.

※ SUPER JOINT CHEV angle aligns with the cleat angle.

※ Most Cleat Pitches offer sufficient space for splicing, allowing profile trimming without impacting material transport.

※ For different belt widths, our experts will select the right products for your specific needs.

Table 6 - TECHNICAL DATA SHEET

Type	4060	4090	40100
Angle	60°	90°	100°
Max. Belt Thickness mm	6~12		
Belt Tensile N/mm	400		
Working Tension N/mm	⩾ 40		
Top Thickness mm	≈ 3.5		
Bottom Thickness mm	≈ 3.5		
Width mm	63		
Number of Screws /m	110 -M5		
Min. Pulley Diameter mm	200		
Typical Base Textile Belts	EP250/2 (3+1.5), EP315 (3+1.5), EP400/3 (3+1.5), EP400/3 (3+1).		

Table 7

Profile Type	Typical Cleat Pitch mm	Typical Cleat Angle	Solution
C15 Open V	250	60°	4060
C15 Close V	250	60°	4060
L30, L44, L55, L63, L75, L95	330	90°	4090 trim part of side profiles
C25P450	330	60°	4060
C25P550, C25P750	330	100°	40100
Y32P450	300	90°	4090 trim part of side profiles
Y32P600	356	90°	4090 trim part of side profiles
Y32P800	490	90°	4090 trim part of side profiles
H46, H58, H63, H75, H95, H100	330	90°	4090 trim part of side profiles

SUPER JOINT POLYURETHANE

A Premium Belt Splicing Solution, with Excellent Abrasion Resistant Polyurethane Top Part.

Product Kit Includes:

※ Polyurethane Top and Bottom Parts, Screws, PZ Bits, and Spacers.

※ Screw dimensions tailored to belt tensile and thickness.

Table 8 - TECHNICAL DATA SHEET

Type	35	63	65	80	85
Belt Thickness mm	4~11	3.5~15		5~15	
Max. Belt Tensile N/mm	400	630		800	
Working Tension N/mm	⩾35	⩾63		⩾80	
Top Thickness mm ≈	4.5	5	6.5	6	7.5
Bottom Thickness mm ≈	3.7	4		4.5	4.5
Width mm	63	111		157	
Number of Screws /m	110 /Φ5mm	196/ Φ5mm		280 /Φ5mm	
Min. Pulley Diameter mm	160/200	220/300	250/300	250/350	270/400
Typical Textile belts	EP250, EP315, EP400	EP500, EP630		EP800	

Special Tools Assistance:

Contact us for any requirements of electric screwdrivers or electric strippers.