Heanjia Super-Metals Co., Ltd

Mesh Belt Conveyor

Heanjia Super-metals has been committed to manufacturing the extreme quality custom wire mesh belts since 1984. Using the high performance metals and alloys for food and metal processing systems, we have satisfied hundreds of customers in the industries across the world and now we are ready to serve you.

Whether you need belts to employ at high or low temperatures or in the mild or severely corrosive conditions, with our extensive experience, engineering and production potential, we can offer conveyor belts that outperform your requirements. We seek an opportunity to go beyond your expectations with our tailored belting solutions.

Our customers trust us for receiving the best mesh belts in the market. We not just build the outstanding quality conveyor belts but also offer the top service with engineering support at your end.

Applications

Food industry: Bread, cookies, Potato chips, breakfast, dog food, fruits separation and packing, processing of citrus fruits, sea food processing, produce handling, vegetable washers, sugar refiners, vegetable washing and blanching, fast food processing, steam cookers, grain and feed dryers, candy and chocolates, snack foods, Tortillas, Nut and seed processing, microwave food processing. Quenching and freezing tunnels for regular pasteurizing lines for preserves and drinks.

High Temperature: metals such as aluminum and copper brazing, annealing, normalizing, tempering, drawing, nitriding, drying oven, hardening, carburizing, silver soldering, heat treating, foundry core baking, glass to metal sealing, surface mount technologies, tiles processing, glass to ceramic processing, electronics treatment, stainless steel tubing, silver and stainless steel utensils, molded plastic materials, industrial knives, steel tubing etc.

Other applications: wood veneer manufacturing, incline and mold conveyors, punch pressing, thermo bottles, wool and coal processing, drying filter paper, wrapping, washing and degreasing.

Common applications are:

1. Washing tunnels in automobile industry
2. Conveyor lines for enamel, PTFE coating and brazing
3. Driers for development of polymeric fibers, wadding and non-woven fabrics.
4. Dryers for textiles and leather tanning
5. Sacking machines in the cement plants

6. Heating furnaces for bottle conveyor in the glass factories
7. Sterilization lines in the medical industry
8. Conveyor lines for producing rubber sheets

Metal conveyor belts produced by Heanjia Super-Metals for several decades are mainly used in heat processing, forging, food processing, ceramics, glass and automotive industry. Order our wire mesh conveyor belts and chain driven conveyors today.

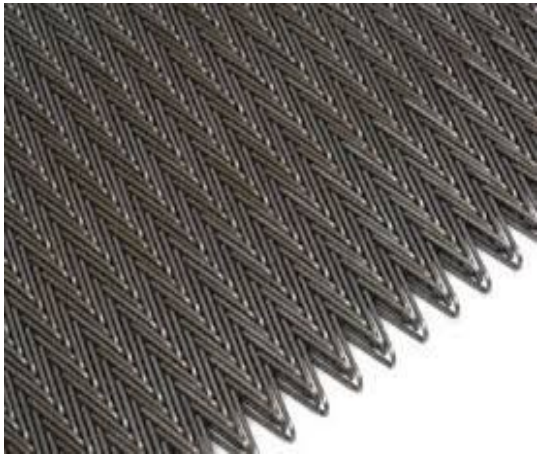
Our belting solutions are fit for any application, use our wire mesh for versatility and distributing parts of different sizes, specific smooth belts for convenient and precise transfer, wire belts with big openings for convenient supply of air or water and for simple cleaning of your equipment. The belts are used to transfer metal components in the metal brazing furnaces, parts by sintering furnaces, textiles, chemicals in oven dryers and in applications that include washing, annealing, cooling and polishing.

Get our woven wire mesh metals in any size, in patterns for any applications and in metals from plain steel to high temp alloys. Our conveyor belts can transfer light to heavy loads and will operate easily without any instructions. They can work at low to elevated temperatures, perform in acidic, alkaline, chemical attacking and abrasive conditions.

Type of belts:

Furnace belts, baking bands, mesh belts, chain belts, Lehr belts, metal woven mesh and positive drive belts.

When you choose our mesh belt conveyor line, we provide more than a maintenance friendly self tracking conveyor. It also includes a multitude of belting options to select on the base of your application. These belting options are based on the specific industries and in various conditions made for specific applications. We work closely with our clients to help in choosing the right material and type of belt. When you combine the belting options to an array of conveyor sizes offered by curves, straights, inclines, declines etc, you get enormous conveying options. We offer a complete line of stainless steel mesh belt conveyors that are custom designed to meet your specific requirements.



Heanjia’s belt conveyor is an outstanding selection for conveying warm and oily parts and for baking, drying and quenching, virtually they are significant for each industry. It offers completely sprocket and self tracking capabilities making it an ideal choice while considering a prolong maintenance friendly conveying solution.

Advantages

1. A broad range of belt types and styles for economical solutions for whole types of conveying applications
2. Introduced with drive chains and particular guard edges

3. Tight weaves for applications demanding flat surfaces
4. Made in the different types of construction materials for corrosive and acidic uses
5. Easily cleanable
6. Large open area
7. Outstanding filtration and separation properties with suitable mesh styles
8. Suitable strength to weight ratio for conveying products beyond the range of other kinds of belts
9. Large open area offers outstanding de-watering and separation properties
10. Outstanding styles for straight and curved applications

Capability to customize conveyor belts to suit specific applications for maximum productivity

Our balanced weave is a cost-effective and general use belt for moderate load applications from 40 to 1500oF. It is a widely used mesh belt globally. For moderate temperature and loading conditions, the belts are affordable and suitable for any budget. Heanjia's weave mesh belt is an outstanding selection for transferring materials. The balanced weave belt is commonly used in several applications. Glass annealing, potatoes draining, cooling products and other endless applications. Woven wire mesh is offered in the variety of choices. It is open or tight. For the higher first count of mesh, it offers tighter mesh as the count of strands for the number of spirals is 12 inch of mesh width. However least pulley diameters should be considered while selecting the mesh. The mesh weave conveyor belts are easy to install with simple maintenance.

The balanced weave production includes alternating left and right hand spirals that do not interlink with each other. They are connected through a crimped rod that keeps each spiral in position. The rods linking the spirals can be of bigger diameter than the spiral wires, increasing durability of the structure. The spirals lie on the crimped connecting rod, enabling the belt to move straight. It will not be damaged on either side. Our belts are offered with the complete installation guidelines and rods are delivered with the ordered belts. Large open area makes mesh more efficient conveyor belt for several applications and processes.

Wire mesh belts fit for metal conveyors for light to heavy transfers

Our wire mesh belts are fit metal conveyor belts for any kind for transfer. They have large open area that makes them efficient for various applications.

They are manufactured following the advanced needs of food processing systems for example GMP and FDA hence ensuring our customers that it is suitable for employing in the food processing units. They are actively used in the food contact applications for drying, quenching, heating, draining and coating. They are ideal for various other processes in the different industries. Let our team know your requirements and get an expert advice.

Versatile and efficient solutions

Heanjia mesh belts are available in the vast range of pitch and wire diameters enabling you to choose the openness that offers strength you require with the nominal contact between the product and conveyor belt.

Small belt weight- energy efficient performance

Our mesh belts have low weight hence they consume less energy while in service that makes them more energy efficient than other transfer equipments.

Cost saving and easily cleanable mesh belts

Large open mesh area and free of crevice make our belts easily cleanable. It enables you to decrease the maintenance cost. The wire mesh belts offer similar properties as those in the heat processing section where the belts are constructed from the wire spirals of round or flat wires and joined by cross rods. It is complimented by an additional range of belt styles that are constructed from the flat bars, wire links and connecting wires.

Several wire mesh conveyor belts ideal for canning and washing are delivered with selvages that are welded, ladder or knuckled and also offered with strengthening selvages and guard edges. Such range of mesh belts is created for many general applications where temperature must not exceed 600oc and hence significant for a variety of industrial applications. The construction materials used are based on the application conditions, the commonly used raw materials are stainless steel, nickel, titanium and high performance alloys.

Our wire mesh belts are specifically designed for each specific application, considering the application temperature, speed, size, shape and weight of the transfer material with the standard process and service media. Common industrial installations are:

Bread and biscuit baking oven belts and bands	Canning line wire mesh belts	Mesh belts for continuous shrink and vacuum packing lines
Regular washing tunnel mesh belts	Extensive drying tunnel belts	Continuous chocolate coating systems
Mesh belts for regular sacking devices	Belts for glass lehr's	Honycomb belts for standard distribution applications such as casting and forging

Production factors

While production, following factors are used:

Belt length: It is normally measured in meters (m): open or unlimited. With open we mean that perimeter of installation and addition length desired for splicing. The unlimited length means belt length in the neutral line following ISO 16851.

Belt Width: It is measured in mm and rarely in meters.

Thickness: The complete thickness is the total of top and bottom covers and carcass thickness.

Quality of cover

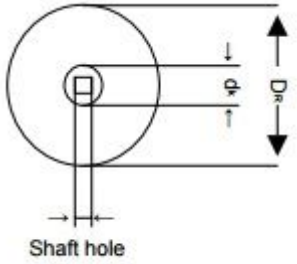
Wear resistance conveyor belt is the chief factor that describes the life and value of investment. At Heanjia Super-Metals, our aim is to deliver the belts that offer lifetime performance at the nominal cost.

Heat and Fire resistant Belts

We have manufactured a full range of belts that are capable to perform in heating and fire conditions. heat resistant belts are made to convey materials at the elevated temperature with the nominal aging whilst fire resistant belts are made with the materials that do not catch fire after ignition and source of fire has been taken out.

Our conveyor belts are widely used to fetch materials at the high temperature limits and in the hot conditions for example elevator belts for cement plants that are subjected to fast ageing procedure causing hardening and fracturing of rubber surface due to heat. Although this procedure can be considerably postponed by choosing the suitable quality cover fit for the special conveyor use and the service condition.

The belts are usually coiled onto wooden or plastic cores while preparing them for transportation. The reference of roll diameter can be taken from the following table:



The formula for calculating the roll diameter is $D_m = 1.27.d.L + d_k^2$

D_m = roll dia., d = belt thickness, d_k = core dia., L = belt length

Length	Belt thickness, mm													
	5 mm	6 mm	7 mm	8 mm	9 mm	10 mm	11 mm	12 mm	13 mm	14 mm	15 mm	16 mm	17 mm	18 mm
20 m	0.44 m	0.46 m	0.49 m	0.52 m	0.54 m	0.56 m	0.58 m	0.61 m	0.63 m	0.65 m	0.67 m	0.69 m	0.70 m	0.72 m
30 m	0.50 m	0.54 m	0.57 m	0.61 m	0.64 m	0.67 m	0.69 m	0.72 m	0.75 m	0.77 m	0.80 m	0.82 m	0.84 m	0.87 m
40 m	0.56 m	0.61 m	0.65 m	0.68 m	0.72 m	0.76 m	0.79 m	0.82 m	0.85 m	0.88 m	0.91 m	0.94 m	0.96 m	0.99 m

50 m	0.62 m	0.67 m	0.71 m	0.76 m	0.80 m	0.84 m	0.87 m	0.91 m	0.94 m	0.98 m	1.01 m	1.04 m	1.07 m	1.10 m
60 m	0.67 m	0.72 m	0.77 m	0.82 m	0.87 m	0.91 m	0.95 m	0.99 m	1.03 m	1.06 m	1.10 m	1.13 m	1.17 m	1.20 m
70 m	0.71 m	0.77 m	0.83 m	0.88 m	0.93 m	0.98 m	1.02 m	1.06 m	1.10 m	1.14 m	1.18 m	1.22 m	1.26 m	1.29 m
80 m	0.76 m	0.82 m	0.88 m	0.94 m	0.99 m	1.04 m	1.09 m	1.13 m	1.18 m	1.22 m	1.26 m	1.30 m	1.34 m	1.38 m
90 m	0.80 m	0.87 m	0.93 m	0.99 m	1.04 m	1.10 m	1.15 m	1.20 m	1.24 m	1.29 m	1.33 m	1.38 m	1.42 m	1.46 m
100 m	0.84 m	0.91 m	0.98 m	1.04 m	1.10 m	1.15 m	1.21 m	1.26 m	1.31 m	1.36 m	1.40 m	1.45 m	1.49 m	1.53 m
120 m	0.91 m	0.99 m	1.06 m	1.13 m	1.20 m	1.26 m	1.32 m	1.38 m	1.43 m	1.48 m	1.53 m	1.58 m	1.63 m	1.68 m
140 m	0.98 m	1.06 m	1.14 m	1.22 m	1.29 m	1.36 m	1.42 m	1.48 m	1.54 m	1.60 m	1.65 m	1.71 m	1.76 m	1.81 m
160 m	1.04 m	1.13 m	1.22 m	1.30 m	1.38 m	1.45 m	1.52 m	1.58 m	1.64 m	1.71 m	1.77 m	1.82 m	1.88 m	1.93 m
180 m	1.10 m	1.20 m	1.29 m	1.38 m	1.46 m	1.53 m	1.61 m	1.68 m	1.74 m	1.81 m	1.87 m	1.93 m	1.99 m	2.05 m
200 m	1.15 m	1.26 m	1.36 m	1.45 m	1.53 m	1.61 m	1.69 m	1.76 m	1.83 m	1.90 m	1.97 m	2.03 m	2.10 m	2.16 m
220 m	1.21 m	1.32 m	1.42 m	1.52 m	1.61 m	1.69 m	1.77 m	1.85 m	1.92 m	1.99 m	2.06 m	2.13 m	2.20 m	2.26 m
240 m	1.26 m	1.38 m	1.48 m	1.58 m	1.68 m	1.76 m	1.85 m	1.93 m	2.01 m	2.08 m	2.16 m	2.23 m	2.29 m	2.36 m
260 m	1.31 m	1.43 m	1.54 m	1.64 m	1.74 m	1.83 m	1.92 m	2.01 m	2.09 m	2.16 m	2.24 m	2.31 m	2.39 m	2.45 m
280 m	1.36 m	1.48 m	1.60 m	1.71 m	1.81 m	1.90 m	1.99 m	2.08 m	2.16 m	2.25 m	2.33 m	2.40 m	2.47 m	2.55 m
300 m	1.40 m	1.53 m	1.65 m	1.76 m	1.87 m	1.97 m	2.06 m	2.15 m	2.24 m	2.32 m	2.41 m	2.48 m	2.56 m	2.63 m
320 m	1.45 m	1.58 m	1.71 m	1.82 m	1.93 m	2.03 m	2.13 m	2.22 m	2.31 m	2.40 m	2.48 m	2.57 m	2.64 m	2.72 m
340 m	1.49 m	1.63 m	1.76 m	1.88 m	1.99 m	2.09 m	2.19 m	2.29 m	2.38 m	2.47 m	2.56 m	2.64 m	2.72 m	2.80 m
360 m	1.53 m	1.68 m	1.81 m	1.93 m	2.04 m	2.15 m	2.26 m	2.36 m	2.45 m	2.54 m	2.63 m	2.72 m	2.80 m	2.88 m
380 m	1.57 m	1.72 m	1.85 m	1.98 m	2.10 m	2.21 m	2.32 m	2.24 m	2.52 m	2.61 m	2.71 m	2.79 m	2.88 m	2.96 m
400 m	1.61 m	1.76 m	1.90 m	2.03 m	2.15 m	2.27 m	2.38 m	2.48 m	2.58 m	2.68 m	2.78 m	2.87 m	2.95 m	3.04 m

Belt types

Heanjia has an extensive range of conveyor belts such as Dunoflex, Trioflex, Superfort and Usflex, the specification is in the given following tables. Elevator belts are made for conveying heavy materials such as metal, plastic or rubber buckets that are bolted into the belt.

Carcass has large tensile strength and is resistant to moisture. The selection of belt type is based on the desired tensile strength and bolt holding potential. The steel carcass comprises of single layer of steel warp cables and double layers of steel weft cables single on every side of warp. It offers outstanding resistance to wear produced by the bolts of buckets and fasteners. The steel carcass is commonly employed in the elevated temperature heating applications to prevent unwanted extension.

Delivery

Irrespective of the powerful structure and durability, the conveyor belts are prone to damage while transportation due to insufficient handling and off-loading. To minimize the damage level during delivery, Heanjia provides multilayer packing.

Superfort-

Belt	Carcass thickness	Carcass, weight	Pulley dia			Minimum width	Maximum belt width, mm for adequate load support with material weight in t/m2			
			A	B	C		<0.75	0.75 to 1.5	1.5 to 2.5	2.5 to 3.2
250/2	2.3 mm	2.5 kg/m2	250 mm	200 mm	160 mm	400 mm	650 t/m2	500 t/m2	400 t/m2	-
315/2	2.8 mm	2.6 kg/m2	315 mm	250 mm	200	500 mm	1000 t/m2	800 t/m2	650 t/m2	-
400/2	3 mm	3.5 kg/m2	315 mm	250 mm	200 mm	500 mm	1200 t/m2	1000 t/m2	800 t/m2	-
400/3	3.2 mm	3.5 kg/m2	400 mm	315	250 mm	650 mm	1200 t/m2	1000 t/m2	800 t/m2	-
500/3	3.9 mm	3.6 kg/m2	400 mm	315 mm	250 mm	800 mm	1400 t/m2	1200 t/m2	1000 t/m2	-
500/4	5 mm	4.5 kg/m2	400 mm	315 mm	250 mm	650 mm	1400 t/m2	1200 t/m2	1000 t/m2	-
630/4	4.2 mm	4.5 kg/m2	500 mm	400 mm	315 mm	650 mm	1600 t/m2	1400 t/m2	1200 t/m2	800 t/m2
630/5	5 mm	4.7 kg/m2	630 mm	500 mm	400 mm	800 mm	2000 t/m2	1800 t/m2	1600 t/m2	800 t/m2
800/3	4.5 mm	5.8 kg/m2	500 mm	400 mm	315 mm	800 mm	1600 t/m2	1400 t/m2	1200 t/m2	1000 t/m2
800/4	5.2 mm	5.1 kg/m2	630 mm	500 mm	400 mm	1000 mm	1800 t/m2	1600 t/m2	1400 t/m2	1200 t/m2
800/5	5.3 mm	5.8 kg/m2	630 mm	500 mm	400 mm	1000 mm	2000 t/m2	1800 t/m2	1600 t/m2	1400 t/m2
1000/4	6.2 mm	6 kg/m2	630 mm	500 mm	400 mm	1000 mm	2200 t/m2	2200 t/m2	1800 t/m2	1600 t/m2
1000/5	6.6 mm	6.9 kg/m2	630 mm	630 mm	500 mm	1000 mm	2200 t/m2	2200 t/m2	2000 t/m2	1800 t/m2
1000/6	6.5 mm	7.4 kg/m2	800 mm	630 mm	500 mm	1200 mm	2200 t/m2	2200 t/m2	2000 t/m2	1800 t/m2
1250/4	6.7 mm	7.4 kg/m2	800 mm	630 mm	500 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
1250/5	7.8 mm	7.6 kg/m2	800 mm	630 mm	500 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
1250/6	8 mm	8.7 kg/m2	800 mm	630 mm	500 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
1600/4	8.4 mm	8.9 kg/m2	1000 mm	800 mm	630 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
1600/5	8.5 mm	9.4 kg/m2	1000 mm	800 mm	630 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
1600/6	9.5 mm	9.6 kg/m2	1000 mm	800 mm	630 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
2000/4	9.7 mm	10.5 kg/m2	1000 mm	800 mm	600 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
2000/5	10.7 mm	10.7 kg/m2	1200 mm	1000 mm	800 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
2500/5	12.2 mm	11.9 kg/m2	1400 mm	1200 mm	1000 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
2500/6	13 mm	13.5 kg/m2	1400 mm	1400 mm	1000 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
3150/5	14.5 mm	14.4 kg/m2	1600 mm	1400 mm	1200 mm	1200 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2

Dunloflex

Belt	Carcass thickness	Carcass, weight	Pulley dia			Minimum width, mm	Maximum belt width, mm for adequate load support with material weight in t/m2		
			A	B	C		<0.75	0.75 to 1.5	1.5 to 2.5
D 201	2.7 mm	3.1 kg/m2	250 mm	200 mm	160 mm	400 mm	800 t/m2	800 t/m2	-
D 251	3 mm	3.6 kg/m2	250 mm	200 mm	160 mm	400 mm	1000 t/m2	800 t/m2	650 t/m2
D 322	3.2 mm	3.7 kg/m2	250 mm	200 mm	160 mm	500 mm	1200 t/m2	1000 t/m2	800 t/m2
D 422	3.7 mm	4.3 kg/m2	315 mm	250 mm	200 mm	500 mm	1400 t/m2	1200 t/m2	1000 t/m2
D 514	4.1 mm	4.7 kg/m2	315 mm	250 mm	200 mm	650 mm	1400 t/m2	1200 t/m2	1000 t/m2
D 631	4.5 mm	5 kg/m2	400 mm	315 mm	250 mm	650 mm	1600 t/m2	1400 t/m2	1200 t/m2
D 802	4.8 mm	5.5 kg/m2	500 mm	400 mm	315 mm	650 mm	1600 t/m2	1400 t/m2	1200 t/m2

Trioflex

Belt	Carcass thickness	Carcass, weight	Pulley dia			Minimum width, mm	Maximum belt width, mm for adequate load support with material weight in t/m2			
			A	B	C		<0.75	0.75 to 1.5	1.5 to 2.5	2.5 to 3.2
T 412	4.4 mm	5.3 kg/m2	400 mm	315 mm	250 mm	650 mm	1800 t/m2	1600 t/m2	1400 t/m2	1200 t/m2
T 525	5 mm	5.9 kg/m2	500 mm	400 mm	315 mm	800 mm	2000 t/m2	1800 t/m2	1600 t/m2	1400 t/m2
T 635	5.5 mm	6.5 kg/m2	630 mm	500 mm	400 mm	800 mm	2000 t/m2	1800 t/m2	1600 t/m2	1400 t/m2
T 825	6 mm	7.2 kg/m2	800 mm	630 mm	500 mm	800 mm	2200 t/m2	2000 t/m2	1800 t/m2	1600 t/m2
T 1000	6.5 mm	7.8 kg/m2	800 mm	630 mm	500 mm	1000 mm	2200 t/m2	2200 t/m2	2000 t/m2	1800 t/m2
T 1258	7.2 mm	8.1 kg/m2	1000 mm	800 mm	630 mm	1000 mm	2200 t/m2	2200 t/m2	2200 t/m2	2000 t/m2

Usflex

Belt	Carcass thickness	Carcass, weight	Pulley dia			Minimum width, mm	Maximum belt width, mm for adequate load support with material weight in t/m2			
			A	B	C		<0.75	0.75 to 1.5	1.5 to 2.5	2.5 to 3.2
UF 411/1	2.4 mm	2.6 kg/m2	315 mm	250 mm	200 mm	4 + 2.5 mm	650 t/m2	1600 t/m2	1400 t/m2	1000 t/m2
UF 511/1	3.3 mm	3.7 kg/m2	400 mm	315 mm	250 mm	6 + 3 mm	800 t/m2	2000 t/m2	1800 t/m2	1400 t/m2
UF 625/ 1	3.4 mm	3.9 kg/m2	500 mm	400 mm	315 mm	6 + 3 mm	800 t/m2	2200 t/m2	2000 t/m2	1600 t/m2
UF 825/1	4 mm	4.5 kg/m2	630 mm	500 mm	400 mm	6 + 3 mm	800 t/m2	2200 t/m2	2200 t/m2	1800 t/m2

UF 1011/2	6.5 mm	7.2 kg/m2	800 mm	630 mm	500 mm	8 + 3 mm	1000 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
UF 1258/2	6.8 mm	7.7 kg/m2	800 mm	630 mm	500 mm	8 + 3 mm	1000 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
UF 1625/2	10.3 mm	8.7 kg/m2	1000 mm	800 mm	630 mm	8 + 3 mm	1200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2

Staramid

Belt	Carcass thickness	Carcass, weight	Pulley dia			Minimum width, mm	Maximum belt width, mm for adequate load support with material weight in t/m2			
			A	B	C		<0.75	0.75 to 1.5	1.5 to 2.5	2.5 to 3.2
SD 635	2.2 mm	2.3 kg/m2	630 mm	500 mm	400 mm	650 mm	1400 t/m2	1200 t/m2	1000 t/m2	800 t/m2
SD 826	2.4 mm	2.6 kg/m2	630 mm	500 mm	400 mm	650 mm	1600 t/m2	1400 t/m2	1200 t/m2	1000 t/m2
SD 1045	2.6 mm	2.9 kg/m2	800 mm	630 mm	500 mm	800 mm	1800 t/m2	1600 t/m2	1400 t/m2	1200 t/m2
SD 1285	2..7 mm	3.2 kg/m2	800 mm	630 mm	500 mm	800 mm	1800 t/m2	1600 t/m2	1400 t/m2	1200 t/m2
SD 1600	2.9 mm	3.7 kg/m2	1000 mm	800 mm	630 mm	800 mm	2000 t/m2	1800 t/m2	1600 t/m2	1400 t/m2
SD 2351	3.6 mm	4.5 kg/m2	1000 mm	800 mm	630 mm	1000 mm	2000 t/m2	2000 t/m2	1800 t/m2	1600 t/m2

Ferroflex

Belt	Carcass thickness	Carcass, weight	Pulley dia			Minimum width, mm	Maximum belt width, mm for adequate load support with material weight in t/m2			
			A	B	C		<0.75	0.75 to 1.5	1.5 to 2.5	2.5 to 3.2
F 500	3.2 mm	5.7 kg/m2	500 mm	400 mm	315 mm	500 mm	1600 t/m2	1400 t/m2	1200 t/m2	1000 t/m2
SW	4.7 mm	7.3 kg/m2	500 mm	400 mm	315 mm	500 mm	2200 t/m2	2000 t/m2	1800 t/m2	1600 t/m2
F 631	3.5 mm	5.9 kg/m2	500 mm	400 mm	315 mm	500 mm	1600 t/m2	1400 t/m2	1200 t/m2	1000 t/m2
SW	4.7 mm	8.1 kg/m2	500 mm	400 mm	315 mm	800 mm	2200 t/m2	2000 t/m2	1800 t/m2	1600 t/m2
F 825	4.5 mm	8.6 kg/m2	630 mm	500 mm	400 mm	650 mm	2200 t/m2	2200 t/m2	1800 t/m2	1600 t/m2
SW	5.4 mm	9.5 kg/m2	630 mm	500 mm	400 mm	800 mm	2200 t/m2	2000 t/m2	2000 t/m2	1800 t/m2
FW 1025	4.5 mm	9.3 kg/m2	630 mm	500 mm	400 mm	650 mm	2200 t/m2	2200 t/m2	1800 t/m2	1600 t/m2
SW	5.4 mm	10.4 kg/m2	630 mm	500 mm	400 mm	800 mm	2200 t/m2	2200 t/m2	2200 t/m2	1800 t/m2
FW 1263	6 mm	12.2 kg/m2	800 mm	630 mm	400 mm	800 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
SW	7.1 mm	13.2 kg/m2	800 mm	630 mm	400 mm	1000 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
FW 1689	6 mm	13.5 kg/m2	800 mm	630 mm	400 mm	800 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2
SW	7.1 mm	14.6 kg/m2	800 mm	630 mm	400 mm	1000 mm	2200 t/m2	2200 t/m2	2200 t/m2	2200 t/m2

Safety and maintenance

After selecting the required belt type, the significant service life of a mesh conveyor belt basically depends on the following major factors-

- Adequate storage conditions before use
- Suitable belt arrangement
- Efficient loading
- Complete cleaning
- Primarily equipment

Factors reducing service life of belt

The operation life of a conveyor belt is always based on wear, aging or mechanical mishaps. Damage of the top surface is based on:

Conveyor length, speed of belt, conveying material size, shape and toughness, inclination angle of conveyor at the loading location, kind of scraper, angle of loading, direction of loading, dropping height of material, cover material and type.

There are various factors influencing the abrasion of the top surface of belt that are tough to measure because they usually vary throughout the life of mesh conveyor. Other factors are:

Pressure applied by scraper blades on the conveyor, moisture level present in the material, effect of pulleys, reversible belts, maintenance extent, cover aging by heating, ozonization and direct exposure to sun, effect of chemicals due to conveying material on the top surface.

In the End

When you contact Heanjia Super-Metals for your mesh conveyor belt requirement, we provide you complete assistance in its material type, structure, components, installation and maintenance. It ensures that you get the value of your cost.