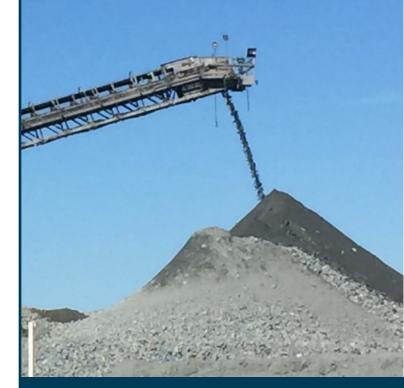
# JMA CONVEYOR PRODUCTS

BELTING





**2021 YEAR** 





# **JMA Conveyor Products Profile**

Established in 2017, JMA conveyor products has been rapidly transformed from mere conveyor belt re-sale, into an engineering company that integrates design, selection, sales, storage, maintenance and repair services for Australian



customers. JMA's office has located in Melbourne, Australia since 2020, it provides belting selection, engineering, warehousing, inspection, installation and splicing, emergency repair, and after-sales services for the entire Australian region.

We offer over nearly 30 years' experience in supplying an extensive range of high-quality various conveyor belting for quarry, mining, recycling, metallurgy and etc. Our range of fabric plies belting, steel cord belting, solid woven belting, sidewall belting and specialized belting is manufactured to meet and exceed stringent Australian and International Standards.

Our team pride ourselves in providing superior, tailored, products and services to our clients.



"Small enough to care, big enough to deliver"



#### IMPORTANT NOTE FOR ALL DESIGNERS AND DRAFTSPERSONS

The information contained in this catalogue is dimensional only

To ensure any product selection performed provides the end users with the lowest total cost of ownership we have provided at the last page of this catalogue a design submission sheet. If you require us to design/select equipment, please complete the submission sheet and forward to our technical engineer. This selection process may result in some dimensions of the selected equipment differing from those stated in this catalogue.





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PRODUCTS	



#### **Quality Assurance**

ISO 9001 and ISO 14001 certification at our factory ensures that the JMA product range is of the highest quality in meeting Australian Customer demands. Through continuous improvement, research, development and technical innovation, the JMA product range is manufactured to suit specific application and performance requirements. We also offer design and innovation solutions to meet our customer specified requirements, prevent damage in transit and for secure storage.

Any JMA Conveyor Product is available independently tested in Australia, meeting and exceeding the AS1332 and AS1333 requirements. We are also able to manufacture to DIN, BS, JIS and SANS standards.





### **Conveyor Belting**

#### Production capacity of 3.4million lineal meters of conveyor belt per annum

Belt Type	Production Lines (pcs)	Belt Width (mm)	Max. Roll Weight (tons)	Belt Class Range (rank)	Max Length Per Roll or each (m)	Output Capacity (km per month)
Steel Cord	5	400 - 2,500	25	ST630 - ST7500	800	60
Fabric	11	400 - 2,500+	25	EP160 - EP3150	500	213
Solid Woven	1	800 - 2,200	25	680S - 2000S	200	26
Sidewall	5	300 - 2,400	25	250N/mm - 6000N/mm	500	5

Gotech Tensile Strength
Test Device

Pipe Belt Test Device Abrasion Test Device







The longest Press in China 20m length x 2.4m width 20m length x 1.4m width

The widest Press in China
14m width x 1.5m length
Wider belt, Filter belt,
world highest rubber dam award







#### **Fabric Belt**

Fabric Conveyor Belt has characteristics of good troughability, permanent elongation values and resistance to heat and moisture effects, which is widely used in mines, metallurgy, architecture, ports, power plant, chemical industries and so on.





#### **Steel Cord Belt**

Steel cord conveyor belt is extensively applied in coal mining, Port, metallurgy, power, chemical industries for long distance, heavy duty and high-speed conveying of materials.

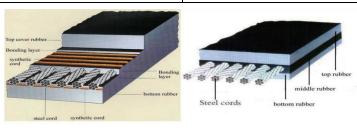
No	Tensile Strength	Dia. of cord	Cord Min.	Pitch of cord	Min. Cover Thickness		
No.	(kN/m)	(mm)	Breaking Force (KN)	(mm)	Тор	Bottom	
ST-630	630	3.0	7	10	4	4	
ST-800	800	3.5	8.9	10	4	4	
ST-1000	1000	4.0	12.9	12	4	4	
ST-1250	1250	4.5	16.1	12	4	4	
ST-1600	1600	1600 5.0 20.6 12		12	4	4	
ST-2000	2000	6.0	25.6	12	4	4	
ST-2500	2500	7.2	40	15	5	5	
ST-3150	3150	8.1	50.5	15	5.5	5.5	
ST-3500	3500	8.6	56	15	6	6	
ST-4000	4000	8.9	63.5	15	6.5	6.5	
ST-4500	4500	9.7	76.3	16	7	7	
ST-5000	5000	10.9	91	17	7.5	7.5	
ST-5400	5400	11.3	98.2	17	8	8	
ST-6300	6300	12.8	130.4	19.5	10	10	
ST-7000	7000	13.5	142.4	19.5	10	10	
ST-7500	7500	15.0	166.7	21	10	10	

	Conf	NS4606	
Cover rubber Grade	Minimum Tensile Strength Mpa	Minimum elongation at break %	
AS-A	17	400 —	70
AS-M	24	450	125
AS-N	17	400	200
KSOR	14	350	200
DIN K	20	400	200

#### Note:

Belt's length can be produced according to client's requirement, and the maximum length is 500m.

Our Standard cover compound properties well surpass the specification requirements, any further information available on request.





#### Solid Woven Belt

The Solid Woven conveyor belt is a fabric reinforced, PVC impregnated, PVC / PVG covered, fire retardant and antistatic belting, which is used primarily for industrial and mining applications. And whatever the cover rubber is PVC and PVG, both solid woven belts provide armored protection for long service life, improved tear strength and reduces the ingress of moisture, oils and chemicals.

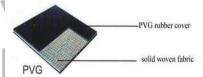
Belt Carcass	elt Carcass thick esignation  Carcass thick (mm)		Carcass thickness (mm) Cover grade and thick (mm)		Belt Width (mm)
Designation	warp	waft	PVC	PVG	()
T680S	6.5	8.5	1.5 + 1.5	1.5 + 1.5	
T800S	6.9	9	1.5 + 1.5	1.5 + 1.5	
T1000S	7.5	9.7	2 + 1	2 + 1.5	
T1250S	8.5	11	2 + 1	2 + 1.5	900 1400
T1400S	9	11.5	2.5 + 1.5	2.5 + 1.5	800-1400
T1600S	9.5	12.3	3 + 2	2.5 + 1.5	
T1800S	10	13	3+2	3 + 2	
T2000S	10.5	13.6	3+2	4 + 2	

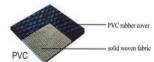
Cover	Conforms to and exceeds AS 1332, AS4606								
rubber Grade	Minimum Tensile Strength Mpa	Minimum elongation at break %	Maximum abrasion loss mm³						
PVC	10	300	250						
PVG	10	300	200						

#### Note:

Belt's length can be produced according to client's requirement, and the maximum length is 500m.

Our Standard cover compound properties well surpass the specification requirements, any further information available on request.







#### **Sidewall Belt**

JMA offers textile or steel cord construction base belts that are cross stabilized using either polyester monofilaments or steel rods, which is

Туре	Strength (N/mm)	Cover Thickness (mm)	Weight (kg/m²)	Diameter of mir pulley(mm)
	250/2	4+2	9.4	200
.010	400 / 3	4+2	13.5	315
A STATE OF THE STA	500 / 3	4+2	13.75	400
September 1	630 / 4	4+2	15.2	500
XE	800 / 5	4+2	16.85	630
_	400 / 3 +2	4+2	12.1	315
	500 / 3 +2	4+2	12.6	400
Ser	630 / 4 +2	4+2	14.4	500
	800 / 5 +2	4+2	16.1	630
XE+2	1000 / 5 + 2	4+2	17.8	800
XE+2	1250 / 5 +2	4+2	18.25	1000
	315 / 2 +2	4+2	13.7	315
	400 / 3 +2	4+2	14.5	315
	500 / 3 +2	4+2	15.2	400
	630 / 4 +2	4+2	16.7	500
1	800 / 5 +2	4+2	18	630
(E-SC+2	1000 / 5 + 2	4+2	19.5	800
	1250 / 5 +2	4+2	21.4	1000
	1600	8+8		1250
_	2000	8+8		1250
	2500	8+8		1400
0000	3150	8+8	Please	1400
1,1111	4500	8+8	Inquire	1600
	5000	8+8		1600
XST-SC	5400	8+8		1600
	6000	8+8		1600

Range of Production						
Sidewall height	40mm – 630mm					
Cleat Height	35mm – 600mm					
Vertical Lift Height	1 – 500m					
Capacity Range	Up to 6000m <sup>3</sup> / h					

Ideal for vertical incline conveying, the fabric reinforced flexible sidewalls and cross cleats are through twice low-temperature hot vulcanized, which ensures high adhesion value, flatten and no fall off, onto a cross stabilized base belt, providing pocket protection for the material being conveyed.

Type 'XE': This belt incorporates the crossstabilising ply in the tensioning ply, mainly used for medium duty applications.

Type 'XE+2': The cross-stabilising ply and tensioning plies are separate, in this case the belt has 2 cross-stabilising plies, application areas are medium to heavy.

Type 'XE-SC+2': This belt incorporates textile

tensioning plies with Steel cord cross-stabilising members. The high lateral stiffness means the belt can be used in application areas where rigidity is an important factor, i.e., high lift heights and wide belts.

Type 'XST-SC': This belt incorporates Steel cord tensioning with Steel cord cross-stabilising members. High tensile strengths can be achieved making the belt ideal for high vertical lift applications

Note: Pully diameters shown are for normal quality, and standard cover thickness. Please enquire for recommended diameters on belts with special quality covers or different tensile ratings as these many require larger diameters.

Cleats											
Туре	Mold	Height (mm)	Width (mm)	Weight (kg/mm)	Min Pulley Dia. (mm)	Туре	Mold	Height (mm)	Width (mm)	Weight (kg/mm)	Min Pulley Dia. (mm)
	NS	35	55	0.5	100		HX	20	40	0.28	75
	HX	55	65	0.75	125		NS	20	40	0.28	75
	NS	55	75	1.5	125		HX	25	40	0.3	75
	HX	75	90	1.54	150		NS	25	40	0.3	75
_	NS	75	95	2	150		HX	35	55	0.55	100
~	NS	90	110	2.3	250		NS	35	55	0.55	100
C	HX	110	100	2.59	315	_	HX	40	70	0.79	125
	NS	110	110	2.95	315	Т	NS	40	70	0.79	125
	NS	140	150	5.68	400		HX	55	80	1.48	125
	HX	35	55	1	100		NS	55	80	1.6	125
	HX	55	65	1.13	125		HX	75	65	1.52	150
	HX	75	65	123	150		NS	75	100	1.68	150
	NS	75	85	2.03	150	_	NS	90	110	2.5	250
	HX	90	100	1.8	250	TK	HX	110	105	1.76	315
	NS	90	110	2.96	250		NS	110	110	2.63	315
	HX	110	100	2.32	315		HX	140	108	2.32	400
	NS	110	110	3.67	315		HX	180	110	4.63	500
	HX	140	110	3.33	400		NS	35	110	1.6	100
_	NS	140	150	5.96	400	-	NS	40	110	1.76	100
TC	HX	180	110	4.53	500		HX	180	105	7.91	630
	NS	180	148	7	500		HX	220	105	8.87	800
	HX	220	140	7.73	500	TCS	NS	280	105	15.41	800
	HX	230	140	8.8	630		NS	360	225	22.6	1000
	NS	230	157	9	630		NS	470	225	30.3	1250
	HX	240	160	11.81	630		NS	500	225	32.2	1250
	NS	280	160	13.44	800		NS	600	225	38.7	1600



#### **Heat Resistant belt**

The belt carcass of this product is EP fabric of high modulus, low shrink, and high breaking tensile strength. Cover rubber of this product uses EPDM rubber or Chloro-butyl rubber that has very good high temperature resistance. the belt is made with extra care after mixing rubber with high temperature resistant materials, assembling and vulcanizing.

The carcass of this product has very high adhesion after the special treatment of coating and shaping. Under normal working temperature of below 180°C, the belt is low in elongation, excellent in anti-abrasion, and can bear 250°Chigh temperature for a short time. The belt is suitable for use in cement, metallurgical and steel industry.

We also can produce the Burning Through Belt, the temperature can up to 800°C at short time. Working time can be in 300 °C

		GB20021				ISO 4195		
				Т3	T4	1	2	3
Cov	Test Temperature							
	≤100	≤125	≤150	≤175	≤100	≤125	≤150	
	Permissible Range							
Hardness	Variation After Aging	+20	+20	+20	+20	+20	+20	+20
Haruness	Maximum After Aging	85	85	85	85	85	85	85
Tensile	Variation After Aging	-25%	-30%	-40%	-40%	-25%	-30%	-40%
Strength	Maximum After Aging	12	10	5	5	12	10	5
Elongation	Variation After Aging	-50%	-50%	-55%	-55%	-50%	-50%	-55%
at break	Maximum After Aging	200	200	180	180	200	200	180





#### Flame Resistant belt

The product is made of cotton canvas, nylon canvas or EP canvas and finished through the processes of calendaring, assembling ,vulcanizing and etc, it is suitable for conveying various non-corrosive and thornless materials in blocks , in grains , or in powder , such as coal in bulk or in bales , under the condition of flammable or explosive environment above coalmine wells. We also open the new Fire-Resistant grade Fabric belt used in underground.

Various Standards	Cover Type	Min. Tensile Strength (Mpa)	Min. Elongation (%)	Abrasion
SANS	F	17	350	180
IS-1891	FR	17	350	200
ISO-340	FR	17	350	180
EN14973	Α	15	350	200
AS-1332	F	14	300	200
DIN	S	17	350	180
DIN	K	17	400	200
MAHA	FR	17	350	200
CAN/CSA	FR	17	350	200

#### Safety Property

ITEM	Flame Retardant Grades				
	K2	K3			
Duration	The Total duration of flame of 6 test pieces with covers is less than 45s, any individual test piece does not exceed 15s.	Average value of duration of flame of 3 test pieces with covers does not exceed 60s			
Anti-static Property	≤ 3 ×	108Ω			
Reappearance	There should be no reappearance of flame on any test pieces.				



#### **Fabric Pipe Belt**

Fabric pipe conveyor belt is one of type conveyor belt which the skeleton is EP/NN of which the cover rubber is high elasticity, high abrasion resistance and high strength rubber. Therefore, it is usually used to conveyor prone contaminated materials, like power and particle materials, etc.

Normal Pipe Dia. (mm)	Belt Width (mm)			Cover Rubber Thickness (mm)	
100	430	250	1	3.0 / 1.5	
150	600	160	2	3.0 / 2.0	
150	600	315	2	3.0 / 2.0	
		315	2	3.0 / 2.0	
200	700	315	2	5.0 / 2.0	
200	700	500	2	3.0 / 2.0	
		500	2	5.0 / 2.0	
		400	2	3.0 / 2.0	
050	1000	400	2	5.0 / 2.0	
250	1000	/500	2	3.0 / 2.0	
		500	2	5.0 / 2.0	
		400	2	3.0 / 2.0	
000	1100	400	2	5.0 / 2.0	
300	1100	<b>500</b>	2	3.0 / 2.0	
		500	2	5.0 / 2.0	
250	4200	630	3	5.0 / 2.0	
350	1300	800	4	5.0 / 2.0	
400	100 P	800	T C 4	5.0 / 2.0	
400	1600	1000	5	5.0 / 2.0	



#### **Chevron Belt**

JMA offers a wide range of cleat patterns, widths and heights of Chevron belting and profiled belting suitable for mining and other industries' conveying of various material according to customer's requirement.

Type of chevron	Name	Chevron width (mm)	Chevron spacing (mm)	Chevro n height (mm)	Width of top chevron	Width of bottom chevron	Belt width (mm)
	U type	760	200	5	20	20	
509	L	440	330	17	10	17	
2007	type	630	330	17	14	20	
	V type	760	500	14	20	20	
	Y type	1200	338	30	10	20	450
		400	NVE	15	12	25	-
Open V type	Open V type	490 580 700 750	250	8 10 20 10	S <sub>20</sub>	20	2200
	Closed	400	130	5	20	20	
	V	640	240	10	18	18	
	type	670	270	25	15	25	
		469					
1		580	580				
	П	580		20	10	24	
-	H type	630		32	12	<b>∠4</b>	
		750					
		900					



#### **Roughtop Belt**

JMA will solve your roughtop conveyor belting problem and challenges across applications, including recycled goods, fragile or deformed materials and glass, papers, bags, boxes conveying on inclines or declines up to 35 degrees. Roughtop conveyor belts cushion the load, absorbing vibrations and minimizing impacts.

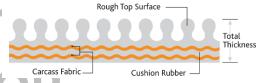
#### **Features**

The bareback Rough Top Belt has a lower friction coefficient, suitable for running over tables and flat panels. The design of the mesh-like pattern on the top surface cover can generate the

Items		Dimensio	ons	Tolerances		
Width [mn	400-3000		±1%			
Thickness	S	6-10		±1		
		11-12			±10%	
Length		On c	ustome	rs dem	and	
Specification - According to DIN 22102/1						
Tensile strength,	(N/mm)	min 15				
Elongation at bre		min 3	350			
Abrasion, (m	m3)		max	200		
Ply Type	PN100	PN100	PN <sup>-</sup>	125	PN150	
Number of plies	umber of plies 2 3		2	2	3	
Drive pulley	160	200	25	50	315	
Tail pulley	160	200	20	00	250	



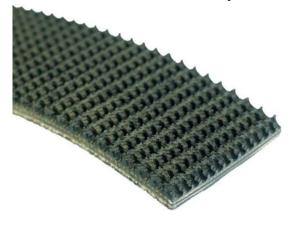
relief effect, absorbing any vibrations and impacts exerted on the materials conveyed and simultaneously preventing the materials from slipping.



#### Construction and Properties

2 or 3-ply construction with cut edges and a carcass of synthetic PN fabric. The surface texture resists the tendency for the material to roll back down the conveyor. The black top cover is recommended for utility type incline or decline service.

Top cover is 4 mm thick SBR and the back is protected by either a durable friction AND oil-resistant surface bottom or a synthetic bare-back for slider bed applications.



Recommend Inclined or declined Angle						
Materials	Angle					
Jute sacks (Bag)	35°					
Goods packed in paper	32°					
Wooden Case	30°					
Cartons	28°					
Salt or powder	27°					
Wheat (Bulk)	26°					
Boxes of synthetic material	25°					
Goods packed in plastics	22°					
Soybean (Bulk)	20°					



#### **Vacuum Filter Belt**

JMA has always focused on meeting the needs of the bulk material industry by supplying various types of conveyor belts to the industry and provide the premium belting to Australian Customer.

#### **Features**

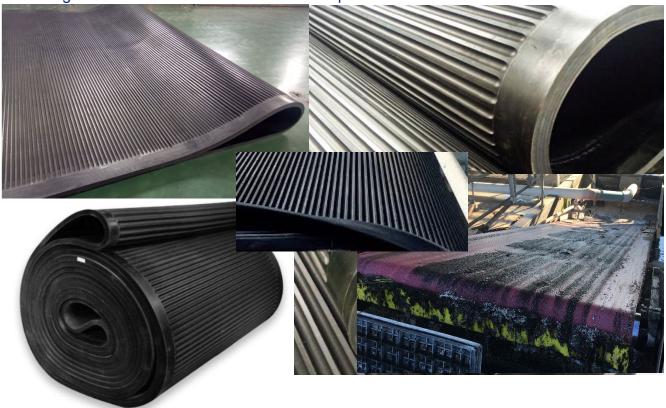
Our products and solutions can fully meet your filtration requirements and consideration of cost budget.



JMA vacuum filter belt separates the goods from the liquid by acid or leaching or by rinsing the liquid out. As long as the fillet belt continuously circulating, with the help of gravity and the vacuum generated by the vacuum box below, the separated liquid passes through the holes of the belt and gathers into the vacuum box, at the same time the dry goods is taken away on the filter belt.

JMA deliver all dimensions of Filter belts from 500 mm to 6500 mm in width, according to client's requirement to splice the endless belt. And JMA also can provide the carcass from 2 ply to 5 plies. JMA's rubber compound and carcass are according or excess Australian Standard.

JMA Vacuum Filter belts can according to customer requirement to make different edge/wall profiles, wide selection of grooves patterns, size, and location of the drainage holes and according to Australian customer's needs and specification.

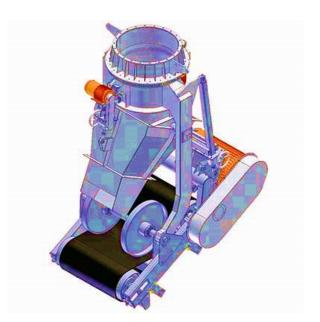


# **JMA**

#### JMA CONVEYOR PRODUCTS - BELTING

#### Slinger Belt

JMA specialized slinger belts will help customer low cost, while provide longer belt life, decrease the cover delamination, avoid the tracking and other belt problems. It is endless belt design without seams or splice. The tolerance of the belt thickness is much smaller than the requirement in AS1332, and we guarantee maximum uniformity in thickness and strength allowing for exceptional tracking and long life. The unique fabric design assures extremely low elongation, high tensile strength, and excellent transversal rigidity at high speed.



#### Main Features of JMA Slinger Belts:

- √ High Quality elastomer compounds
- ✓ High Strength fabrics
- ✓ Extremely strong ply adhesion
- ✓ Customized range of width and length available
- ✓ Truly endless construction
- √ Long Service Life
- ✓ Range of compound formulations
- √ Value for money

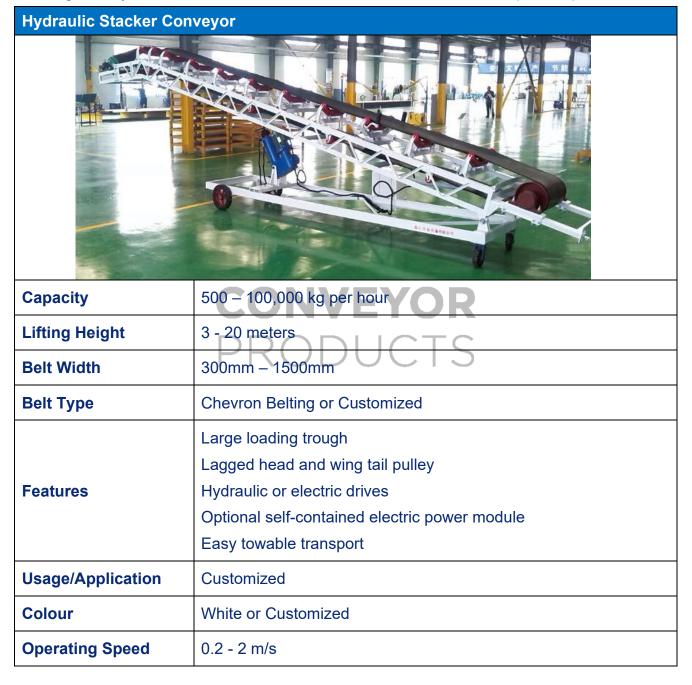
SLINGER BELT SELECTION							
Belt Width:	Belt Length:	Belt Quantity:					
Tons/Hour:	Hrs/Day:	Run Speed:					
Minimum Pulley Dia. (Dr/Ta):	/	Material:					
Temperature:	Humidity:	Material:					
Oil:	Quantity:	Density:					
Others:							
Current Provider / Manufacture	er	Current Life:					
Failure Reason:							



#### **Conveyor System Design**

#### **Stacker Conveyor Design**

With the aid of our highly experienced professionals, we are instrumental in developing premium grade Mobile Stacker Conveyor. Our offered conveyors are featuring innovative mechanism which is gaining huge acclamation for stockpile large amounts of material. The customized conveyors are precisely fabricated to eliminate constant repositioning while creating high and wide piles of loose material. Further, we are sourcing the premium grade inventory of raw materials from recognized sources to present the robust and long-lasting stacking conveyors that are cost effective and can be ordered at a competitive price.





#### **Sidewall Conveyor Design**

JMA's corrugated sidewall belt conveyor adopts premium quality conveyor belts with skirting rubber and various cleats. It can be installed at a steep incline angle up to 90°. It is a continuous transporting equipment suitable for transporting almost all bulk materials like mineral, coal, Bauxite, sand, activated carbon, gravel and etc.

All JMA corrugated sidewall belts are available in the following rubber grades:

- ✓ High Abrasion Resistant, up to 70.
- $\checkmark$  Heat Resistant, up to 200  $^{\circ}$ C.
- ✓ Oil / Fat Resistant.
- ✓ Flame Retardant
- ✓ White Food Quality
- Other type as per customer specified.

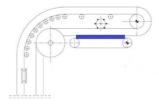
#### Production Specification

- Tonnage per Hour range: 0.1 tph 1500 tph
- ✓ Cubic per Hour range: 0.8 to 8000 m<sup>3</sup>/h
- ✓ Belt Velocity: 0.1 3.5 m/s
- ✓ Lift Height range: 5 m 80 m
  - Incline angle range: 40° 90°
- Conveyor system design as follows or customized:

L type	RL type	Z type	I type
And Andrew Control of the Control of			

#### ✓ Self-Cleaning

The device can be either a small driven belt conveyor or alternatively it may be a mechanical chain, scraper, high pressure spray water jet as per client requirement and is located at the bottom of the discharge section as image.



Side Wall Belt D	esign Da	ta								
The following JMA conveyor design:			Lt	уре	RL type	Z type	I type			
Length of feed		m	Lift height		m	Leng	th of incline	•	r	m
Length of discharge		m	Cleaner Type		_					
Angle of feed		0	Angle of incline		0	Angle	of discharg	е	C	•
Material description									,	
Lump Size		mm	Tonnage		tph	n Volur	ne		r	m³/h
Temperature		°C	Density		T/ m <sup>3</sup>	Repo	se Angle		0	•
Oil/Fat Resist	Y/N		Chemical Resist	Y/N		Flam	e Retardant	Y/N		
Comments										





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