

# 管狀輸送橡膠帶

## PIPE CONVEYOR BELT



三五  **SWR**



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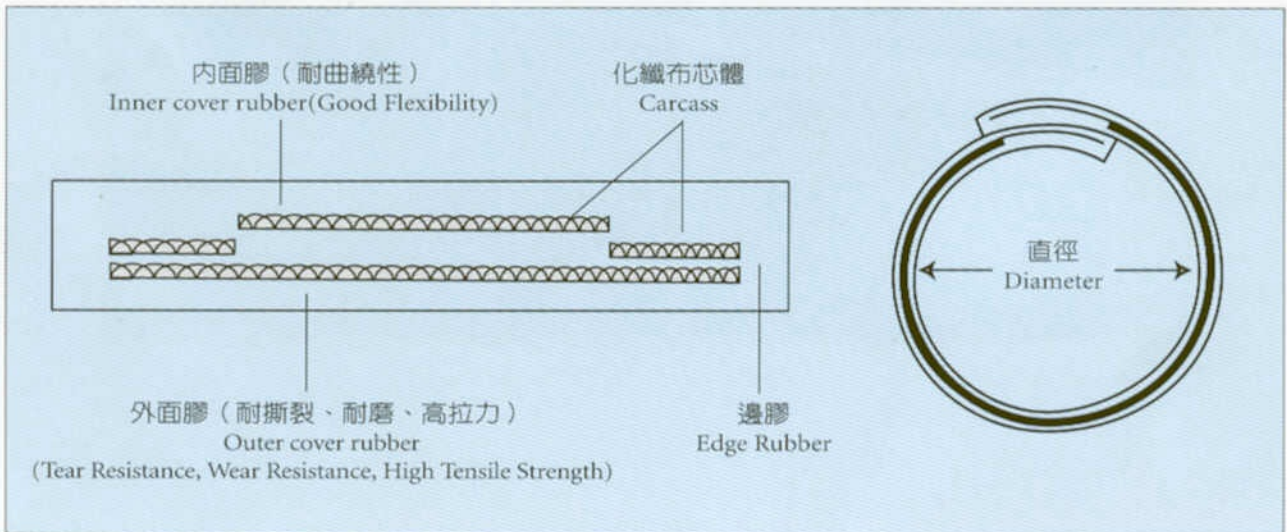
本公司成立於民國三十五年，是台灣工業萌芽時期，台灣橡膠帶的製造先驅；也是台灣首家取得品質保證制度ISO 9002和環境管理系統ISO 14001認證的橡膠帶製造廠。

「三五管狀輸送橡膠帶」是十數年前，本公司基於環境保護的迫切改進需要，集結人力創製推出符合環保要求的產品。其呈管性、密閉性、搬運效率、耐久性等性能優異，廣泛應用在電廠、煉油廠、水泥廠、鋼鐵廠及其他對環境清潔及空氣品質嚴格要求的領域。

A forerunner of manufacturing Rubber Belt, San Wu Rubber Mfg. Co., Ltd., was founded in Taiwan at the year of 1946, the time when Taiwan began its industrial development. Today in Taiwan San Wu also is the first rubber belt factory who owns both the certificates of "ISO 9002 Quality Guarantee System" & "ISO 14001 Environmental Management System".

To meet the urgent need of the environmental protection, we devoted much & developed, ten years ago, a special product, San Wu Pipe Conveyor Belt, with excellent features of piping shape, closed, good transporting efficiency & durability. Nowadays, this new type of belt already is widely used in those who need clean environment critically, such as Power Station, Oil-Refinery Mill, Cement Factory & Steel Mill etc.

### 一、構造 Structure





## 二、特點 Characteristics

相對於一般傳統的輸送橡膠帶，管狀輸送橡膠帶具有下列優點

Compared with conventional belts, it owns many advantages:

- 採密閉輸送方式，載物不會散出或掉落，不致造成環境污染。

Closed transportation and no danger of scattering or dropping will be happened to pollute surroundings.

- 可防止外來物滲入，確保載物的純度。

None of foreign objects will be mixed into the contents.

- 回程時仍呈管狀，載物若掉落亦不會粘附在橡膠帶表面上，不會損傷橡膠帶的表面。

While returning, belt will keep in a closed profile. If any contents fall down, it would not glue or damage to the surface of the belt.

- 可以曲線路徑輸送（最大45度），能簡化輸送系統，大量減少輸送機台配置的空間（傳統的輸送橡膠帶只能採用直線輸送方式，轉折時須佔用甚多額外空間）。

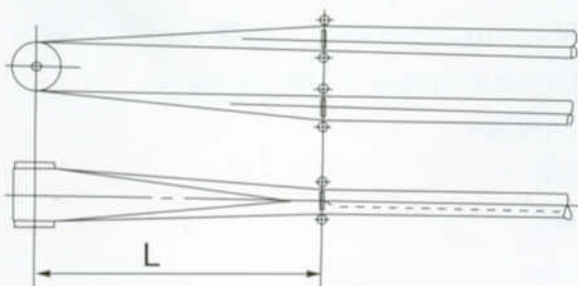
A transportation in a winding path is possible (max.45 degree), which could simplify the conveyor system and reduce much space compared with a conventional belt that can only be run straight.

- 輸送時呈管狀，可增加輸送物和內面膠間的摩擦力，爬坡搬運能力達30度，比一般輸送帶的20度強50%，有助於縮短輸送線的長度，降低設備成本。

During transportation, the friction between contents and inner cover rubber could be increased which make the belt to convey inclined up to 30 degree compared with 20 degree of a conventional belt. This could be a great help to lessen belt length and save cost.

### ■ 適當帶面轉換距離 (L)

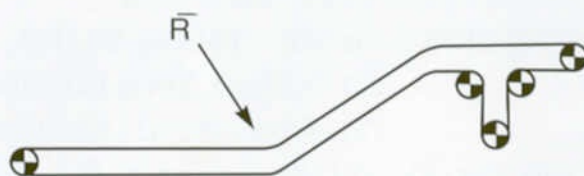
Transition Distance



$$L \geq \text{Diameter} \times 25$$

### ■ 適當曲率半徑 (R)

Conveyor Parameter



$$R \geq \text{Diameter} \times 300$$



### 三、適用範圍 Applications

#### ●適合的輸送物種類 Applied Materials

1. 電廠之煤炭、煤灰、粉類或紙漿廠的木屑、碎木。

Coal & Ash of Power Station or wooden oddments & chips of Paper Pulp Mill.

2. 各種粉狀化學物品、肥料飼料等。

All kinds of chemical powdery, fertilizers, animal feeds, etc.

3. 各種穀類、蔬菜、水果及魚貝類等。

All kinds of grains, vegetables, fruits, fish & shell, etc.

4. 一般輸送帶所輸送的砂石、水泥、礦石、石灰等。

General conveyance of sands, cements, mine, limestone, etc.

5. 運往垃圾處理廠的垃圾、污泥等。

Those garbage, mud that will be delivered to Handling Plant.

#### ●適用的輸送條件 Applied Transportation

1. 凡是有污染顧慮的輸送情況。

Those there will be a danger of polluting.

2. 室外長距離或狹長空間的輸送。

Transportation in outdoors, long distanced and narrowed space.

3. 大角度且有轉折需要的輸送。

Transportation in abrupt angle and in the condition of turning.

4. 隧道、鐵軌、道路的兩側或沿岸的輸送。

Loading & Discharge the materials along the sides of tunnel, railroad, highway & riverbank.

### 四、標準規範 Standard Specifications

管狀直徑 Diameter Φ mm	裝載面積 Area of Surcharge m <sup>2</sup> (75%)	帶速度 Belt Speed (m/min)	輸送量 Capacity (m <sup>3</sup> /hr)	裝載物 Lump Size max.(mm)	水平長度 C-C Distance min.(m)	相對於平帶寬 Compared with Conventional Belt
100	0.006	100	36	30	15	300~
150	0.013	120	95	30~50	18	300~450
200	0.024	130	185	50~70	20	500~600
250	0.037	140	310	70~90	23	600~750
300	0.052	150	475	90~100	25	750~900
350	0.072	175	750	100~120	30	900~1050
400	0.095	200	1140	120~150	35	1050~1200
500	0.150	225	2000	150~200	40	1200~1500
600	0.215	250	3200	200~250	50	1500~1800

**五、標準規格 Standard Specification**

Unit:mm

管狀直徑 Diameter Φ mm	抗拉強度(kg/cm) Tensile strength	200	300	400	600	900	1200
	帶之寬度 Belt Width(mm)						
100	400	3.0X2.0	3.0X2.0				
150	600	3.0X2.0	3.0X2.0	3.0X2.0			
200	750	3.0X2.0 5.0X2.0	3.0X2.0 5.0X2.0	3.0X2.0 5.0X2.0			
250	950			3.0X2.0 5.0X2.0	3.0X2.0 5.0X2.0		
300	1100			3.0X2.0 5.0X2.0	3.0X2.0 5.0X2.0		
350	1300					5.0X2.0	5.0X2.0
400	1500					5.0X2.0	5.0X2.0
500	1850					5.0X2.0	5.0X2.0

\* 面膠厚度可依使用條件適當調整，若有這種情形請與本公司聯絡。

The thickness of the cover rubber can be selected in accordance with application, please contact us for more details.



換帶作業 Removal Procedure



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