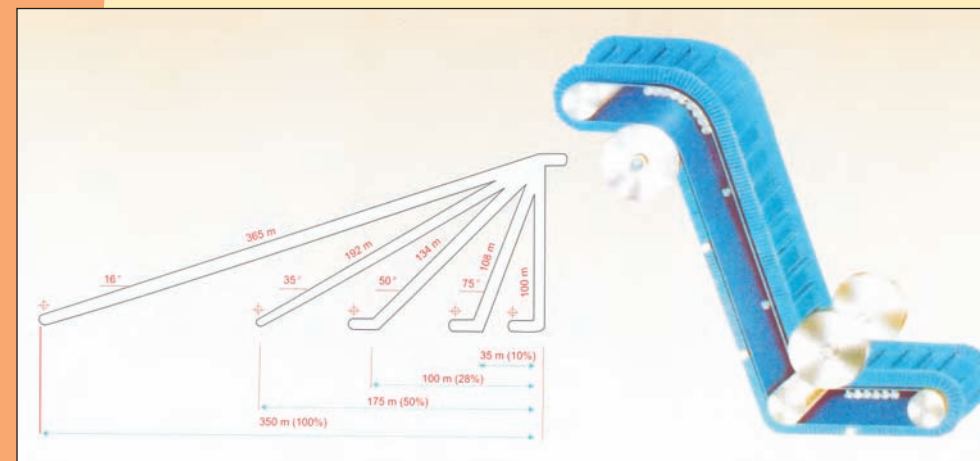
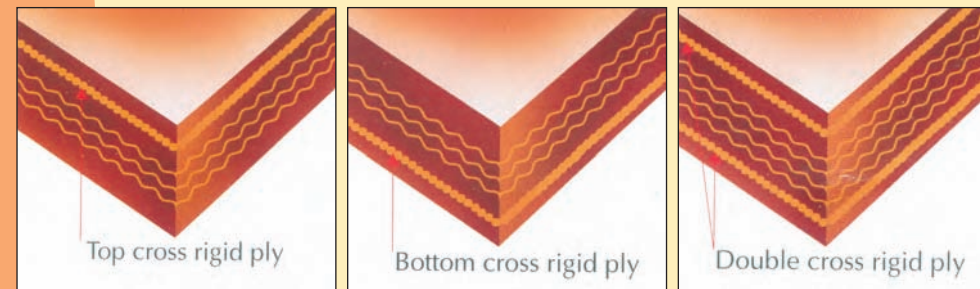


## Indus Steep Angle Conveyor Belts



**"Indus"** Steep Angle Conveyor Belts are modern age Bucket Elevator Box Belts. These Belts are made with Cleats and Sidewall. The concept of steep angle belts is to carry materials on steepest angle upto 90° with zero spillage. These belts can be driven at the speed upto 5 M/Sec. The space requirement is quite less as compared to Conventional Belts.

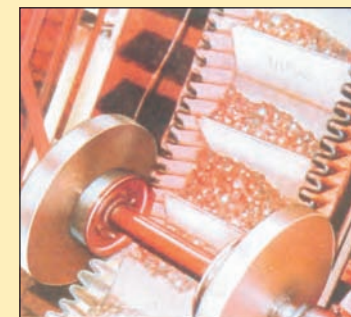
**Base Belt:** Base Belt plays a key role in steep angle Conveyor Belt. The base belts are made with special cross rigid Meambrane design to get more stability and rigidity. The different design of cross rigid belts are available with us as **Indus 'CTR'**, **Indus 'CBR'**, **Indus 'CDR'**. (Please call us to know more details).



**Side Wall:** The side wall has been designed to achieve adequate rigidity to avoid the buckling under compression experienced by it at the point of deflection. The top portion of the side wall has been designed against tear & gauging resistant by using special rubber compound having high elongation at break. The side wall are fully reinforced with Synthetic fabric to get better life.



Range of Sidewall		
HEIGHT	BOTTOM WIDTH	WEIGHT PER MTR/KG
mm	mm	
40	50	0.500
60	50	1.4
80	50	1.9
100	50	2.0
120	50	2.5
120	75	3.5
160	75	4.5
200	75	5.4
240	75	6.5



### "Indus" Rubber Sheets

are available with various types, grades and profiles with and without fabric insertion, It is also available with cushion back (fabric impression back) in various thickness, Range from 8 mm to 50 mm, width upto 1500 mm. with different patterns and also available in continues lengths of 10, 20, 50, 100 to 200 metres.

#### Application:

- 1) **NR/ SBR:** For mechanical packing heat resistance/ Abrasion resistant.
- 2) **EPDM:** For Roof sheet, Tank lining, Acid resistant.
- 3) **Nitrile / Neoprene:** For oil resistant Pulley float roof sheets heat resistant/ Food grade etc.
- 4) **Silicon:** Food grade and heat resistant packing.
- 5) **Skirt board rubber/ Pulley legging:** Made from different polymers suitable as per the application.

#### AHMEDABAD:

Survey No. 110/9-10, Nr. Mahashakti Compound, B/S. Ambuja Synthetic, B/h. Old Narol Court, Ahmedabad - 382405 • Tel/Fax : 25735794 / 25735861  
E-mail : conveyor@halstondistributors.in & ahmedabad@halstondistributors.in

#### SURAT:

36, Khodiyar Nagar Society, Sai Suman Clinic Lane, Bhathena, Udhana, Surat - 395 203. Telefax : 0261 - 232 9898  
Email: surat@halstondistributors.in

#### VIJAYWADA:

12-7-42 Hayathkhan st., Tarapet, Vijaywada 520 001.  
Tel : 0866-6669078 • Fax: 0866-2420980 • E-mail : vijaywada@halstondistributors.in

#### INDORE

Plot No. 348, Scheme No. 91, Near Water Tank, Malwa Mill Chowraha, Indore- 452003, Madhya Pradesh  
Tel: 0731- 2545932, Email: indore@halstondistributors.in

### "Indus" Pipe (Tube) Conveyor Belts

Are designed to handle ecologically dangerous materials that cause severe pollution to the environment and working area.

#### Suitable to handle:

- \* Iron ore
- \* Lime powder
- \* Cement powder & clinkers.
- \* Hazardous chemicals.

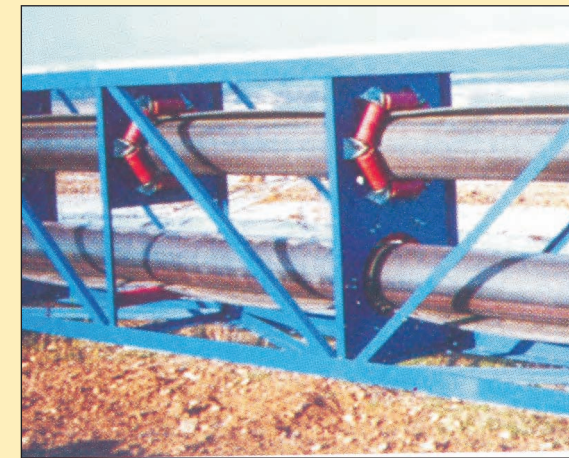
Pipe Conveyor Belts have revolutionised the traditional mode of material handling. The belt in this system flattens itself at the loading and discharge stages after it assumes a pipe shape during its forward/ return runs. The idlers are arranged in a hexagonal array with three rolls on either side.

#### Advantages:

1. It protects the material against rain, dust, wind, temperature, etc.
2. It eliminates spilling and wastage.
3. It omits transfer points.
4. It has two dimension as well as three dimension curves.
5. It eliminates canopy on the top of the structure.
6. It inclines the Conveyor upto 35°
7. It is environmental friendly, especially against pollution hazard.

The pipe Conveyor Belt can convey materials like coal/lignite, sinter, iron, pellets, coke, cement, limestone, clinker, ashes, grains and chemicals.

These belt's are cost effective, low labour and operating costs make it a very attractive mode of transportation.



#### Head Office:

19/21, Bora Bazar Street, Fort, Mumbai - 400 001  
Tel: +91-22-2261 5932 / +91-22-2262 6709  
Fax: +91-22-2265 0939  
Website: www.halstondistributors.in  
Email: sales@halstondistributors.in

The ultimate in  
power transmission & conveyor belts.

**Indus**®

**Conveyor Belts**



## RANGE FOR INDUS CONVEYOR BELTING AND COVER GRADES

### Standard Belt Width (mm)

300,400,450,500,600,650,750,800,900,1000,1200,1400,1500,1600, 1800,and 2000. The belt in width not listed can be manufactured as per the Customer's requirement.

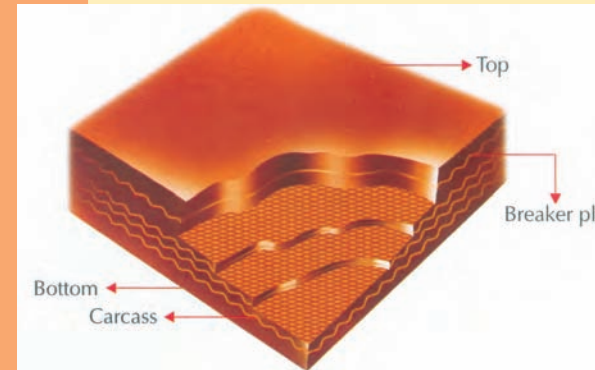
**Belt Edges:** Belt edges can be given in both cut edge and sealed edges.

### Carcass:

- Synthetic Carcass:** The carcass consists of Nylon-Nylon (NN) and Polyester Nylon (EP) constructions are available with ratings starting from 200/2-315/3 upto 2000/6. For further information on complete range and grades, refer to the technical belt selection chart.
- Cotton-Cotton Carcass:** The Cotton Carcass belts offered are available in 28,32,34,36,42 & 48 Oz from 2 to 10ply construction.
- Cotton / Nylon Carcass:** The range of cotton / nylon Carcass belts are available as per customer's specification.

### Advantages of NN / EP Conveyor Belts.

- Excellent Flexibility
- Very low permanent elongation
- Excellent Toughability
- Excellent Cover -to- Ply adhesion
- Maximum Load Support
- Suitable for Mechanical fasteners
- Impact Resistance
- Suitable for all types of Cover Grades

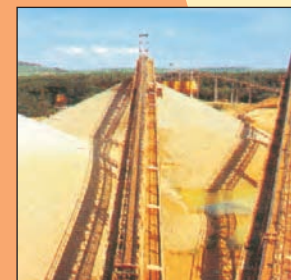


Synthetic conveyor belt with breaker ply

### COVER GRADES



**1. Grade SAR:** Specially compounded rubber cover grade recommended for maximum resistance against abrasion, tear, cuts & strong impacts. This cover grade is recommended for heavy-duty applications for abrasive materials such as large lump ores, sharp rocks, granite, iron and copper.



**3. Grade N 17:** Specially compounded rubber cover grade recommended for handling moderately abrasive material conforms to the maximum abrasion loss value specified for Grade N in DIN 22102. Belt made with this cover grade conform to IS 1891 Pt I.



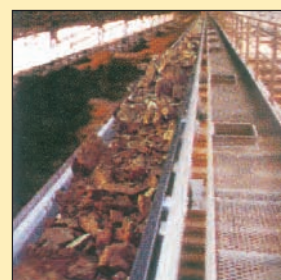
**5. Grade UHR 200:** Specially compounded rubber cover grade provides excellent heat resistance & moderate abrasion wear resistance characteristic is recommended for material temperature upto 200°C (for coarse) & 180°C for fine materials.

**7. Grade OR:** Specially compounded rubber cover grade with blended synthetic rubber compounds recommended for giving resistance to mineral, vegetable & animal oils. Indus Belts made with this cover grade conform to IS 1891 Pt III.

**8. Grade FR:** Specially compounded rubber cover grade to meet the growing demand for fire resistant conveyor belting conforms to Canadian Bureau of Mines specifications CAN / CSA / M-422 / M-87. IS: 1891 Pt V ISO: 340

**9. Grade hygeinic:** Specially compounded rubber cover grade recommended for use in Tea Gardens, Food Processing Industries etc. This cover grade conforms to IS Pt IV

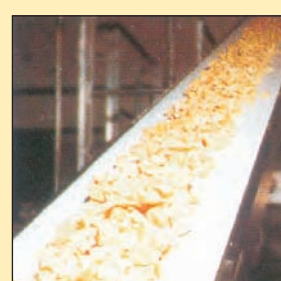
**2. Grade M 24:** Specially compounded rubber cover recommended for superior resistance to cutting & gouging. Conforms to maximum abrasion loss value specified for grade M in DIN 22102. Belts made with this cover grade conform to IS 1891 Pt I.



**4. Grade SHR:** Specially compounded rubber cover grade to provide adequate heat resistance for handling material temperatures over 65°C & upto 150°C for coarse & 125°C for fine materials. The belts made with this cover grade conform to IS 1891 Pt II for HR Type T-2 Grade.



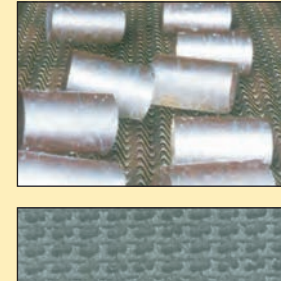
**6. Grade CMR:** Specially compounded rubber cover grade recommended for handling chemically active material with or without oil coating, like ANP, Sulpha, Potash etc.



**Ordinary belt:** 15 seconds after removing from the flame of burner.

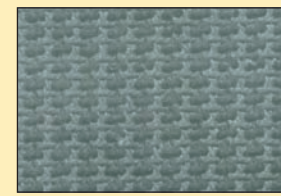


**Fire resistant belt:** 15 seconds after removing from the flame of burner.



### Rough Top I Grip Face:

This belt, provided with cushiony and anti-slippery effects due to its soft rugged surface suitable for transporting fragile or deformable materials and packed goods.



## Technical Selection Chart For Belt Style

Belt Style N/mm	Number of Plys	Working tension (Max)		Nominal Carcass Thickness mm	Nominal Carcass Weight Kg/m	Maximum Belt Width for satisfactory Load support (mm) for Material Bulk Density upto (t/m <sup>3</sup> )		
		Vulcanized Splice N/mm	Mechanical Fastener N/mm			1.0	1.6	2.5
200/2	2	25	20	2.3	2.6	650	500	400
250/2	2	25	20	2.5	2.8	650	600	450
315/2	2	32	25	2.7	3.0	800	650	500
315/3	3	32	25	3.0	3.3	1000	800	650
400/3	3	40	32	3.3	3.7	1050	900	650
500/3	3	50	40	3.6	4.0	1200	900	800
500/4	4	50	40	4.0	4.4	1200	1000	800
630/3	3	63	50	3.9	4.4	1200	1000	800
630/4	4	63	50	5.0	5.6	1400	1200	900
800/4	4	80	63	5.4	5.9	1600	1400	1000
800/5	5	80	63	6.4	7.2	1800	1400	1200
1000/4	4	100	80	6.1	6.7	1800	1400	1200
1000/5	5	100	80	6.9	7.8	1800	1600	1400
1250/4	4	125	=	7.0	7.8	1800	1600	1400
1250/5	5	125	=	7.8	8.8	1800	1800	1600
1400/4	4	155	=	7.7	8.6	1800	1800	1600
1400/5	5	155	=	8.9	10.1	2000	1800	1800
1600/4	4	160	=	9.1	10.5	2000	1800	1800
1600/5	5	160	=	9.8	11.1	2000	1800	1800
2000/4	4	200	=	11.4	13.20	2000	1800	1800
2000/5	5	200	=	44.4	13.20	2000	1800	1800
2000/6	6	200	=	12.0	13.80	2000	1800	1800

## Recommended minimum pulley diameters (mm.)

Belt Style N/mm	Over 60% up to 100%			Over 30% up to 60%			up to 30%		
	A	B	C	A	B	C	A	B	C
200/2	250	200	160	200	160	125	160	160	125
250/2	250	200	160	200	160	125	160	160	125
315/2	250	200	160	200	160	125	160	160	125
400/3	315	250	200	250	200	160	200	200	160
500/3	400	315	250	315	250	200	250	250	200
500/3	500	400	315	400	315	250	315	315	250
630/3	500	400	315	400	315	250	315	315	250
630/4	500	400	315	400	315	250	315	315	250
800/4	630	500	400	500	400	315	400	400	315
800/5	630	500	400	500	400	315	400	400	315
1000/4	800	630	500	630	500	400	500	500	400
1000/5	800	630	500	630	500	400	500	500	400
1250/4	800	630	500	630	500	400	500	500	400
1250/5	1000	800	630	800	630	500	630	630	500
1400/4	1000	800	630	800	630	500	630	630	500
1400/5	1000	800	630	800	630	500	630	630	500
1600/4	1250	1000	800	1000	800	630	800	800	630
1600/5	1250	1000	800	1000	800	630	800	800	630
2000/4	1250	1000	800	1000	800	630	800	800	630
2000/5	1600	1250	1000	1250	800	630	1000	1000	800
2000/6	2000	1600	1250	1600	1250	1000	1250	1250	1000

## INDUS SPECIAL PURPOSE BELTS



### "Indus" Roll Series Conveyor Belting (Jointless Belting)

has been highly acclaimed especially when they are used as telescopic or feed belt or weighing and packing belt, it can be driven over narrow Pulley diameter (even lower than 100mm) at the speed of 25 M/Sec.

### Features:

- Maximum Uniformity of thickness and strength all over the surface.
- It can be driven over narrow pulley diameter (even lower than 100 mm)
- It can also run on higher speed (As high as 25 M/Sec.)
- Option for minimum elongation (upto 1.0%)at ref. Load.
- These belts are ideally suitable for weigh feeder, wagon feeder, telescope conveyor, bag diverter, truck loader etc.
- Belt can be manufactured in all specified grades meeting customer's requirement.
- Top Cover can also be designed and embossed in various shapes as required by the customer to convey specific material in the system.
- The length of these type of belts is available upto 24 mtrs. With tolerance of +1%.



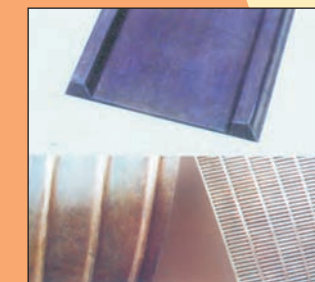
**"Indus" Reel Conveyor Belting (Jointless Belting) Reel Conveyor Belt:** Moulded radius on the top surface provides the reel for steady handling. 'INDUS' Reel Conveyors are suitable for conveying paper-reels, barrel, etc.

**"Indus" Hygienic Belting:** "Indus" White Hygienic conveyor Belting for odour free material movement particularly for food processing industries like Tea, Coffee, etc. and Pharmaceuticals.



**Belts with Side Wall:** "Ravasco" belt with sidewalls have a very specific function to perform. They are mainly used for zero spillage, fast and bulk material handling.

**Belts with Centre Cleats:** These belts are suitable for high inclination and also used for magnet separator.



**"Indus" Checkered Belt with 'V' section Pulley Guide** single or multiple guides of V Section directly vulcanised on to the bottom cover of the belt, ensure a perfect straight running line and resist to transverse impulses eventually applied to the bottom mainly used for Bag diverters of weigh feeders.

**All Cotton Drytop Surface with Hygiene centre** are available for use in Bakery/Food Processing Industry etc.



**"Indus" Chevron Belts** are available with the various types of profile and it can convey the material on slopes or heights upto 45°.

Indus PT-25			Indus PT-4			Indus PT-15		
S	A	P	S	A	P	S	A	P
mm	mm	mm	mm	mm	mm	mm	mm	mm
600	550	250				500	425	335
650	550	250				600	425	335
700	500	250				650	425	335
750	550	250				800	575	335
800	550	250				900	575	335
900	700	300				1000	700	300
1200	700	300				1000	575	335