



PIPE CONVEYOR BELTS

Material safety and the hazards due to material spillage caused to the environment has always been a major concern in a conveyor system.

We recommend INDUS SUPER DUCT belts where the environment has to be protected from spillage and/or where bulk materials must be conveyed along horizontal and vertical curves in confined spaces.

The belt can negotiate tight horizontal and vertical curves. This eliminates or reduces transfer points, which is a big cost saving.

INDUS SUPER DUCT belt protect the conveyed material from external influences like rain and wind and protect the environment by avoiding spillage of the conveyed material. Even in the bottom run, no spillage will occur, because the carry side is inside of the tube. The idler supports can be spaced farther apart, because it is self-supporting. An additional conveyor cover is not necessary.

- INDUSTRY:**
- Cement
 - Chemical
 - Fertilizer
 - Power Plants
 - Food Industry

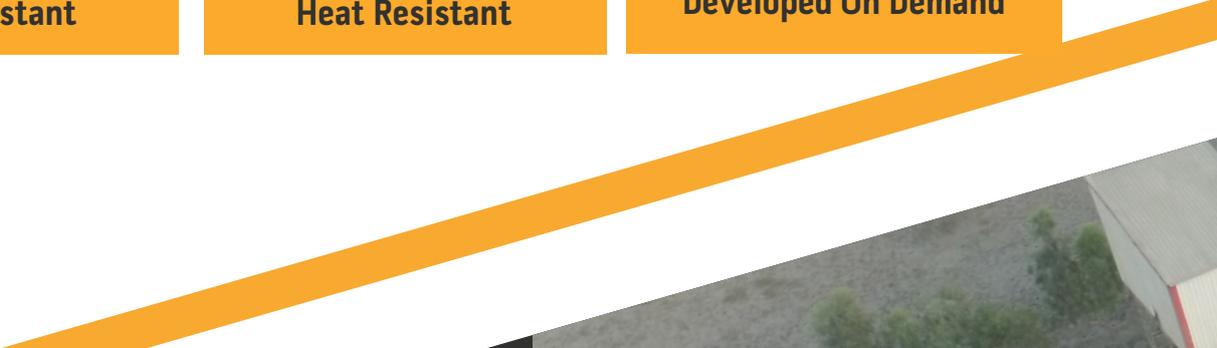


BENEFITS

- Tight curves and incline angles up to 30° possible, hence optimal adaptation to local features / terrain / systems.
- High strength and ability to negotiate curves: long center distances without intermediate transfers.
- Protection of the material conveyed against environmental conditions (e.g. rain, snow, sun and wind).
- Low space requirement thanks to compact design, thus also ideal for underground mining, cement factories, steel mills and power plants.
- The low-stretch strength member enables short take-ups.
- Protection of the material conveyed against volatilization and adulteration due to extraction or addition of parts of the material.
- No transfer stations as a result of tight horizontal and vertical curves and relatively high incline angles.
- Stable tracking. The special tension member configuration ensures an effective seal in the overlap area.
- Protection of the environment and people since hazardous, contaminated, dusty or strong-smelling materials (chemicals, refuse, ash, overburden etc.) cannot escape.
- Low maintenance and cleaning input thanks to standardized, abrasion-resistant compound.
- Significantly reduced CO2 emissions compared with convention transport by truck.
- High conveying speed.
- Belt design offers a long service life and extreme reliability.

INDUS SUPER DUCT Belts are available in the below mentioned Cover Grades:

High Abrasion Resistant	Oil Resistant	Special Purpose Applications Can Be Developed On Demand
Fire Resistant	Heat Resistant	



PRODUCT FEATURES

Standard Widths	Refer Typical Width Vs. Pipe diameter table given below
Type of Fabric	EP / NN
Standard Belt Rating	315 kN/m (171 PIW) to 2000kN/m (1142 PIW)
No. of Ply's	3 / 4 / 5 plies
Rubber Cover Thickness	Top cover: 4 mm (1/6") to 8 mm (1/3") Bottom cover: 2 mm (1/12") to 4 mm (1/6")
Colour	Black
Edge	Moduled Edge
Splicing Method	Hot
Cover Grades	Available in General Purpose Impact & Abrasion Resistant (M24, DIN-X, Y, HAR, SAR), Oil Resistant (OR), Heat Resistant (HR), Fire Resistant (FR) grades and combinations available on request.
Single Roll length	Standard Length : 300 meters (1000') Up to 1000 meters (3300') depending upon total belt thickness
Standard Packing	Wrapping in HDPE sheets with Strapping. (Wooden Crate / Metal Crate packing is available on request)
Belt Identification Number	A unique BIN (Belt identification number) at every 10 meters (33')

Typical Width Vs Pipe Diameter-Conveyor Selection Guide

Sr. No.	Parameters	Dimensions								
		600	800	1000	1200	1400	1600	1800	2000	2100
1	Belt width (mm)	600	800	1000	1200	1400	1600	1800	2000	2100
2	Pipe diameter (mm)	150	200	250	300	350	400	475	525	550
3	Belt speed m/s	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4	Material density (kg/mm ³)	1000	1000	1000	1000	1000	1000	1000	1000	1000
5	Capacity (fill factor 60 to 70% of pipe dia.t/hr)	105	190	290	420	570	750	1060	1300	1425
6	Max Lump size (mm)	30 to 50	50 to 70	70 to 90	90 to 100	100 to 120	120 to 150	120 to 150	120 to 150	120 to 150

*Specifications are subject to change without notice.

