

CONVEYOR BELTING

We transmit our confidence
“Aimed at upgradation of industry standard.”

www.transflexconveyors.com



Range of Nylon Reinforced Rubber Conveyor Belting

TRANSFLEX was established in the year 2004 as a micro industry engaged in manufacturing special application belts viz. Rough top belt, Chevron belts, Side wall Cleated belts and various custom made belts used in Cement Industries, Fertilizers industries Steel industries, Power etc. In the year 2008 we came into JV with Ryder (a company owned by house of Jains) who has already made inroad in V-Belts. Manned by people best in the industry Ryder-Trans conveyor are being manufactured in a most modern plant with latest technology and machineries situated in Indore. Ryder-Trans belting covers a wide range of grades. These include M-24, N-17, SAR, Heat Resistant Fire Resistant Oil Resistant Hygienic and other tailor made products to meet special requirements. To keep abreast of international technology development, up gradation of production and R&D is a constants factor of corporate operations.

Applications Cover purpose grade & Characteristics	Reference Material Name	Physical Properties		
		Minimum Tensile Mn/msq	Minimum elongation at break (%)	Minimum abrasion loss mm din 5350
General purpose belting : IS 1891 (Part-I) 1988 Bs 490 (Part-I) 1972 M24 It has high tensile strength and is compounded from the best quality rubber to provided superior resistance to cutting & gouging, Suitable for carrying sharp & rugged materials. N17 Suitable for transporting moderately abrasive materials.	Iron ore, coal lignite, copper ore, lime stone Blast Furnace Slag & clinker	24.0	450	150
	Sand cement slaked lime wood chips, pulp (dry)	17.0	400	200
Heat Resistant Belt : IS 1891 (Part-2) 1988 HR (T-1) Suitable for transporting hot materials. (upto 125 C for coarse	Coke, Hot Lime etc.	12.5	350	200
SHR (T-2) Suitable for transporting hot materials (upto 150 C for coarse materials & 125 C for fine materials)	Cement Clinker, Coal, Hot Sintered ores etc.	12.5	350	200
SHR (T-3) Suitable for transporting hot materials. (upto 200 C for coarse materials & 160 C for fine materials)	General High - Temperature materials.		Transflex standard	
Oil Resistant Special Purpose Belting : IS 1891 (Part-III) 1988 OR This cover grade with specially belnded synthetic rubber Compounds is designed to give very high resistance to minerals, vegetables, animals, oils & fats.	Materials with Crude Petroleum, Tar, Oil, Veg Oil Sand etc.	12.0	250	200
Fire Resistance CSA-M 87 422 M 87 DIN 22103 FR Recommended for use in coal and such types of mines where the ambient temp. may not be high but there is distinct hazard of fire. Rubber covers are fire resistant and anti-static.	Coal, Loke	15.0	350	200

Transflex range of conveyor belts covers a wide spectrum of types and application. The following programme is a pointer towards our reach production capabilities.

Width Available : Upto 1600 mm
Length Available : Open & Endless+Super Endless
No. of Plies : 2 to 12 plies.
Fabrics/Carcass : Cotton/Cotton (28oz, 32oz, 34oz, 36oz, 42oz)
Cotton Nylon : (CN40, CN50, CN60, CN70, CN130, CN150)
Nylon/Nylon : (NN100, NN125, NN150, NN200, NN250)



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Belt Designation :

TRANSFLEX belts are designated to denote the full thickness breaking strength in kilo Newtons/Metre width and the number of piles comprising the carcass. A Rating of 315/3 would denote a full thickness breaking strength of 315 k N/m width comprising 3 piles of fabric reinforcement.

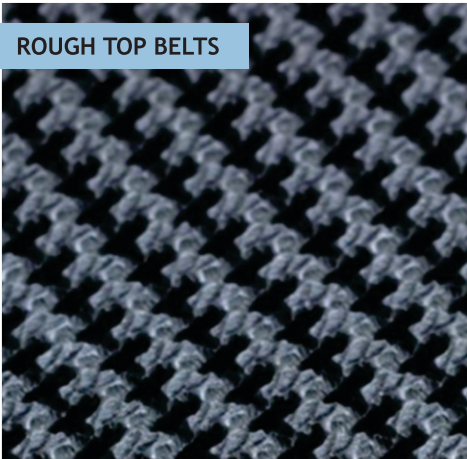
Synthetic Belting Technical Data

Belt designation PP (Nylon/Nylon)		Maximum Recommended Working tension (vulcanised splice) KN/m	Nominal carcass thickness (mm)	Nominal carcass weight (Kg/m)	Max. belt width (mm) for satisfactory load support material density (t/m)			Min. belt width (mm) for satisfactory troughing		
Type	Rating				Upto	Upto	Upto	20'	30'	45'
I	200/2	20	2.3	2.6	640	500	400	300	300	300
	250/2	25	2.5	2.8	650	600	450	400	450	450
	315.3	31.5	3.2	3.7	1000	800	650	400	450	450
	400/3	40	3.5	3.9	1050	900	540	500	500	500
	500/3	50	3.6	4.0	1200	900	800	500	500	500
	630/3	63	3.9	4.4	1200	1000	800	500	500	500
II	400/4	40	4.6	5.2	1200	1000	800	500	500	500
	500/4	55	4.8	5.4	1200	1050	900	500	500	650
	630/4	70	5.0	5.7	1400	1200	900	500	500	650
	800/4	90	5.6	6.1	1600	1400	1000	500	500	650
	1000/4	110	6.0	6.6	1600	1400	1200	500	650	800
	1000/5	110	6.7	7.6	1800	1600	1400	500	650	800
	1250/4	140	7.0	7.8	1800	1600	1400	650	800	900
	1400/4	145	7.8	8.7	1800	1800	1600	650	800	900
	1400/5	155	8.8	9.9	2000	1800	1800	650	800	900
	1600/5	180	9.5	10.7	2000	1800	1800	800	900	1000
	1600/6	180	10.8	12.1	2000	2000	2000	800	900	1000
	1800/6	200	11.4	12.5	2000	2000	2000	800	900	1000
III	200/2	20	2.8	3.1	650	500	400	400	400	450
	250/2	25	3.1	3.5	800	650	500	400	400	450
	315/3	31.5	3.8	4.5	1200	1000	800	500	500	500
	400/3	40	4.3	4.8	1200	1050	900	500	500	600
	500/3	50	4.4	4.9	1400	1200	900	500	500	650
	630/3	63	4.8	5.4	1400	1200	1000	500	500	650
	630/4	70	6.1	6.8	1800	1400	1200	500	650	800
	800/4	90	6.7	7.5	1800	1600	1400	650	800	900
	1000/4	110	7.2	7.9	1800	1600	1400	650	800	900

Note :

1. This indicated carcass thickness and weight are nominal and are provided for design considerations only. These are subject to change in line with R&D developments for improved belt performance.
2. Belts with mutually-agreed specific carcass thickness can also be designed and manufactured.
3. Nominal cover weight of M-24 and N-17 grade of rubber cover is 1.1. Kg/m² per mm thickness.
4. The value of minimum breaking load in Kg/Cm can be obtained by multiplying the value in KN/M by 1.0197 (1.0 KN/M=1.0197 kg/cm)

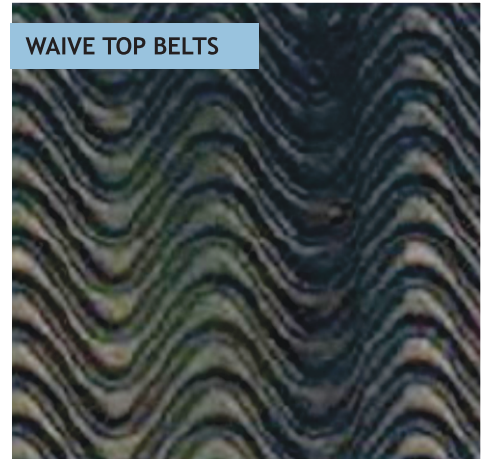
ROUGH TOP BELTS



R C FEEDER BELTS



WAIVE TOP BELTS



“ Y “ CLEATED BELTS
(CHEVRON)



CORRUGATED SIDE WALL
CLEATED BELT



CHEVRON BELTS



Broadly speaking , all special application belts are being manufactured as per clients specific requirements considering the applications and load factors . The selection of construction is basically as per the given technical data sheets. Some of the prominent sizes has been developed in truly endless form specially used in cement industries and urea fertilizers plants. Long conveyor belts are being manufactured in HD (Heavy Duty) as well as SD (Standard Duty) constructions. Apart from this we have successfully developed corrugated side walled cleated belts with heavy duty constructions widely used in most of the steel plants & power plants and now encouragingly it is getting acceptance from other allied engineering industries.



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