

## Textile - Multi Ply Conveyor Belts

Depending on the application, textile conveyor belts feature various cover stock properties and a single- or multi-ply textile tensile member. Long-lived products for diverse conveying tasks in open-pit and underground mining. Capital King complies with all known international standards. It can work in areas of bulk material handling from the lightest to the most difficult of the working conditions, be it in the Stone Quarrying or earth moving industry, in the Steel, Cement or Mining Industry. For those applications where the customer prefers to use the modern minimum ply concept Conveyor Belting, wherein the height of fall on the belt is more and special impact conditions have to be considered, HD range in three and four ply belts.

### Belt Features

#### Carcass

The top and the bottom covers provide protection to the carcass.

Cover quality is always selected according to the material to be conveyed and the service conditions. Capital King offers a wide range of cover qualities conforming to Indian & international standards to suite various application areas.

#### Width

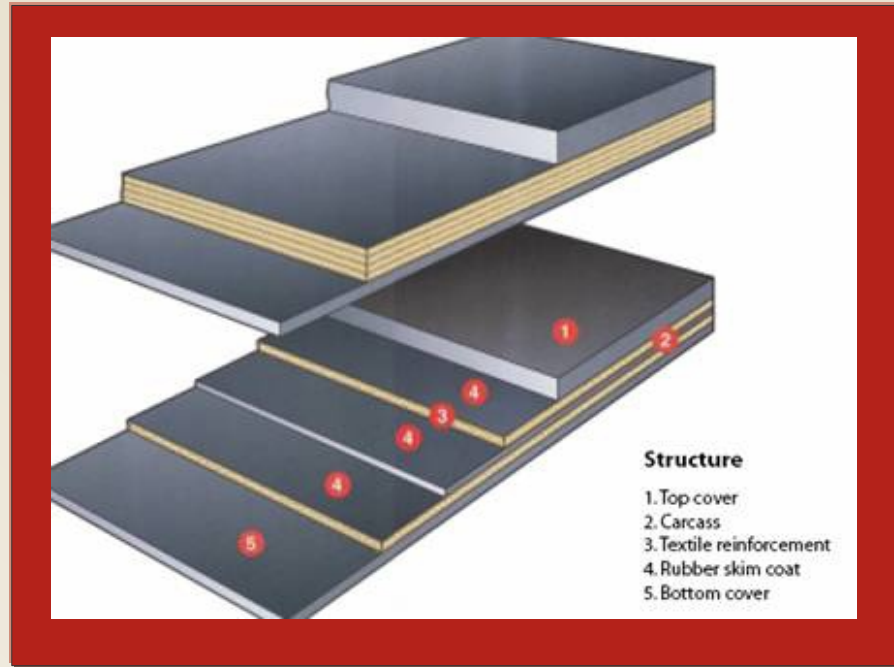
The belts are available in standard widths in up to 2400mm

#### Edges

Belt edges can be given in both cut and sealed (moulded) edges.

#### Cover quality

The top and the bottom covers provide protection to the carcass. Cover quality is always selected according to the material to be conveyed and the service conditions. We offers a wide range of cover qualities conforming to Indian & international standards to suite various application areas.



## Belt Range

**Belt Width:** 200 mm to 2400 mm

**No. of Plies:** 1 to 7

**Edge:** Molded/Protected Edge, Cut Edge

**Breaker:** Top, Bottom, Floating, Edge

**Type of Breaker:** Nylon, Polyester

**Length:** Standard roll length is 200 meters.

However, tailor-made lengths as per specific requirements can be produced.

The restriction on length over and above 200 meters is subject to transportable roll diameter and weight

**Belt Thickness:** 3 mm to 40 mm,

**Duty of Belting** Type I, II & III

**Cover Grades:** M-24, N-17, M-25, SAR-120, SAR-90, SAR-60, OR, FR, HR/HR-T1, SHR/HRT-2, HR-T3(180° C), MEGAHETA (200° C),

SSHR(225° C) Hygienic (Food Grade) OR-HR

**Standards Followed:** IS1891 (Parts I,II,III,IV & V), BS 490, CAN-CSA-M422-M87-C, ISO-340, ISO 4195 (I&II), AS 1332 DIN-22102

## NN (NYLON) & EP TECHNICAL DATA SHEET

TYPE	BELT DESIGNATION	MAX. RECOMMENDED WORKING TENSION (VULCANISED SPLICE) KN/M	NORMAL CARCASS THICKNESS		NORMAL CARCASS WEIGHT		MIN. BELT WIDTH FOR SATISFACTORY TROUGHING (MM)			MAX. BELT WIDTH (MM) FOR SATISFACTORY LOAD SUPPORT MATERIAL DENSITY (T/M <sup>3</sup> )		
			NN mm	EP mm	NN kg/m <sup>2</sup>	EP kg/m <sup>2</sup>	20°	35°	45°	Upto 1.0	Upto 1.5	Upto 2.5
I	200/2	20	2.20	2.50	2.73	2.80	300	500	600	650	500	400
	250/2	25	2.40	2.70	2.87	3.00	400	500	600	650	600	450
	315/2	31.5	2.80	3.10	2.99	3.20	400	500	600	1000	800	650
	315/3	31.5	2.90	3.30	3.40	4.20	400	500	600	1000	800	650
	400/3	40	3.20	3.60	3.60	4.50	500	500	600	1050	900	650
	500/3	50	3.40	4.30	4.13	5.20	500	500	600	1200	900	800
II	630/3	63	3.60	4.40	4.30	5.50	500	600	650	1200	1000	800
	400/4	40	3.20	4.40	4.53	5.60	500	500	600	1200	1000	800
	500/5	55	4.00	5.60	5.66	7.00	500	500	600	1200	1050	900
	500/4	55	3.80	4.80	4.81	6.00	500	500	600	1200	1050	900
	630/5	70	4.80	6.00	6.01	7.50	500	600	650	1400	1200	900
	630/4	70	4.60	5.80	5.51	6.90	500	600	650	1400	1200	900
	800/5	90	5.80	7.30	6.89	8.60	650	750	800	1800	1600	1200
	800/4	90	5.00	6.00	5.73	7.35	500	650	800	1600	1400	1000
	1000/5	110	6.20	7.40	7.17	9.20	500	800	1050	1800	1600	1400
	1000/4	110	5.40	6.80	6.54	8.50	500	650	800	1600	1400	1200
III	1250/5	140	6.80	8.60	8.18	10.60	650	900	1050	1800	1600	1400
	1250/4	140	6.20	7.60	7.54	9.00	650	800	1050	1800	1600	1400
	1400/5	160	7.80	9.60	9.43	11.25	750	1050	1200	1800	1600	1400
	315/3	31.5	2.9	3.40	3.74	4.55	500	500	600	1200	1000	800
	400/4	40	3.9	4.60	4.99	6.05	500	500	600	1200	1050	900
	400/3	40	3.2	3.50	3.95	4.85	500	500	600	1200	1050	900
	500/4	55	4.2	4.80	5.27	6.50	500	500	600	1200	1050	900
	500/3	50	3.7	4.30	4.48	5.50	500	500	600	1400	1200	900
	630/4	70	5	5.80	5.98	7.35	500	600	650	1800	1400	1200
	800/5	90	6.2	7.30	7.47	9.20	650	750	800	1800	1600	1200
	630/3	63	3.9	4.50	4.65	5.85	500	600	650	1400	1200	1000
	800/4	90	5.4	6.00	6.2	7.80	650	650	800	1800	1600	1400
	1000/5	110	6.3	7.60	7.75	9.80	500	800	1050	1800	1600	1400
	1000/4	110	5.8	7.00	7	8.95	650	650	800	1800	1600	1400
	1250/5	140	7.3	8.80	8.75	11.20	800	900	1050	2000	1800	1800
	1250/4	140	6.6	7.80	8	9.45	650	800	1050	1800	1600	1400
	1400/5	160	8.2	9.80	10	11.80	650	1050	1200	2000	1800	1600
	1400/4	160	7.9	8.20	9.05	10.35	650	900	1050	2000	1800	1600
1600/5	180	9.8	10.30	11.39	12.95	800	1050	1200	2000	1800	1800	
1600/4	180	8.2	9.40	9.55	11.60	750	800	1050	2000	2000	2000	
1800/5	200	10.4	11.8	11.94	14.55	900	1050	1200	2200	2000	2000	
2000/4	220	-	13.0	-	16.75	1000	1050	1200	2400	2200	2000	
2000/5	-	-	11.8	-	20.95	1050	1050	1200	2400	2400	2000	
2500/5	280	-	14	-	22.15	1050	1050	1200	2400	2400	2100	