

# GENERAL PURPOSE BELTING

Forech's general-purpose conveyor belts are designed to handle a wide variety of bulk materials, including coal, crushed rock, limestone, sand, cement, and more. Built with specially engineered rubber covers, which offer excellent resistance to cuts, abrasion, and wear. We continually develop advanced cover compounds to ensure reliable performance, longer service life, and consistent results across challenging industrial environments.

## PRODUCT FEATURES

- **Versatile & Durable:** Ideal for various industries and general conveyor applications.
- **Reliable Performance:** Withstands wear, impact, cuts, and abrasions in demanding conditions.
- **Cost-Effective:** Offers long service life with minimal maintenance needs.
- **Robust Construction:** Excellent bonding between layers ensures lasting durability.



## PRODUCT RANGE

### BELT WIDTH



400mm to 2600mm

### NOMINAL BELT STRENGTH



upto 3150 kN/m

### EDGE



Cut/Moulded Edge

### NO. OF PLYS



2 to 7 ply

### SPLICING METHOD



Hot/Cold/Mechanical (RBF)

## APPLICATIONS



Open-pit mining



Lignite and hard rock mining



Cement Industry



Steel Industry



Aggregates



Mineral processing plants

## DATA: TECHNICAL INFORMATION

Cover grades	Min.Tensile strength (MPa)	Min. Elongation at break (%)	Max. Abrasion (mm <sup>3</sup> )	Cut & gouge resistance	Characteristics
DIN X	25	450	120	Good	Suitable for heavy duty application with good Abrasion and cut resistant cover for sharp-edged or lumpy material
DIN W	18	400	90	Fair	Excellent mechanical properties with Antiabrasive cover for smaller sized lumps materials
DIN Y	20	400	150	Fair	Suitable for standard applications with good mechanical properties of cover
DIN Z	15	350	250	Fair	Cover suitable for light-duty applications with no specific requirements
IS / ISO H	24	450	120	Good	Cover designed to resist abrasion and cuts from sharp-edged or lumpy materials, meeting the most stringent demands for
IS / ISO D	18	400	100	Fair	Anti-abrasive cover and has excellent mechanical properties, specifically designed for handling smaller-sized lumps with
IS / ISO L	15	350	200	Fair	Cover suitable for light-duty applications with no specific requirements
AS M	24	450	125	Good	Suitable for heavy duty application with good Abrasion and cut resistant cover for sharp-edged or lumpy material
AS A	17	400	70	Fair	Cover with good mechanical properties, specifically engineered to withstand abrasion, tailored for handling smaller sized lumps known for their abrasive nature
AS N	17	400	200	Fair	Cover suitable for light-duty applications with no specific requirements
SANS M	24	450	120	Good	Suitable for heavy duty application with good Abrasion and cut resistant cover for sharp-edged or lumpy material
SANS C	20	400	150	Good	Suitable for standard applications with good mechanical properties of cover
SANS N	17	400	150	Fair	Cover suitable for light-duty applications with no specific requirements
RMA-I (ARPM)	17	400	125	Fair	Cover suitable for light-duty applications with no specific requirements
RMA-II (ARPM)	14	400	175	Fair	Cover suitable for light-duty applications with no specific requirements
RMA1	17	400	150	Fair	Cover suitable for light-duty applications with no specific requirements
RMA2	14	400	200	Fair	Cover suitable for light-duty applications with no specific requirements
F-HAR	18	400	80	Good	Excellent mechanical properties with Antiabrasive cover for smaller sized lumps materials
F-SAR	17	400	60	Fair	Anti-abrasive cover and has excellent mechanical properties, specifically designed for handling smaller-sized lumps with abrasive characteristics

## BELT SELECTION CHART NYLON/NYLON (NN) BELTS

Belt Type	Maximum Recommended Working Tension kN/m	Nominal Carcass Thickness (mm)	Carcass Weight (kg/m <sup>2</sup> )	Pulley Diameters (mm) *			Maximum Belt Width for Satisfactory Load Support. (mm) **			
							Material Weight in Tons/m <sup>3</sup>			
				A	B	C	<0.75	0.75 - 1.5	1.5 - 2.5	2.5 - 3.2
NN 250/2	25	2.3	2.6	315	250	200	800	600	-	-
NN 315/2	31.5	2.4	2.9	315	250	200	800	800	-	-
NN 315/3	31.5	3.2	3.2	400	315	250	1000	800	650	-
NN 400/3	40	3.5	3.5	400	315	250	1200	1000	800	-
NN 400/4	40	4.2	4.5	500	400	315	1400	1200	1000	-
NN 500/3	50	3.7	4	500	400	315	1200	1000	800	-
NN 500/4	50	4.7	4.8	500	400	315	1600	1400	1200	1000
NN 500/5	50	5.2	5.6	630	500	400	1600	1400	1200	1000
NN 630/3	63	4.1	4.5	500	400	315	1400	1200	1000	800
NN 630/4	63	5.1	5.4	630	500	400	1600	1400	1200	1000
NN 630/5	63	5.9	6.1	630	500	400	2000	1800	1600	1400
NN 800/3	80	4.5	5.1	500	400	315	1600	1400	1200	1000
NN 800/4	80	5.3	6.1	630	500	400	1800	1600	1400	1200
NN 800/5	80	6.5	6.8	800	630	500	2000	1800	1600	1400
NN 1000/4	100	6.5	7	800	630	500	2000	2000	1800	1600
NN 1000/5	100	7.1	7.8	800	630	500	2000	2000	2000	1800
NN 1000/6	100	7.5	8.3	1000	800	630	2000	2000	2000	2000
NN 1250/4	125	7.3	8.6	800	630	500	2000	2000	2000	2000
NN 1250/5	125	7.8	8.9	1000	800	630	2000	2000	2000	2000
NN 1400/4	140	8	9.8	1000	800	630	2000	2000	2000	2000
NN 1400/5	140	9.2	10.8	1000	800	630	2000	2000	2000	2000
NN 1600/5	160	10	11.3	1000	800	630	2000	2000	2000	2000
NN 1600/6	160	11.2	13.0	1250	1000	800	2000	2000	2000	2000
NN 1800/4	180	10	11.4	1000	800	630	2000	2000	2000	2000
NN 1800/5	180	10.5	11.6	1250	1000	800	2000	2000	2000	2000
NN 2000/4	200	11.2	13.0	1250	1000	800	2450	2450	2150	2150
NN 2000/5	200	11.7	13.5	1400	1250	1000	2450	2450	2150	2150



## BELT SELECTION CHART POLYESTER/NYLON (EP) BELTS

Belt Type	Maximum Recommended Working Tension kN/m	Nominal Carcass Thickness (mm)	Carcass Weight (kg/m <sup>2</sup> )	Pulley Diameters (mm) *			Maximum Belt Width for Satisfactory Load Support. (mm) **			
							Material Weight in Tons/m <sup>3</sup>			
				A	B	C	<0.75	0.75 - 1.5	1.5 - 2.5	2.5 - 3.2
EP 250/2	25	2.3	2.6	315	250	200	800	600	-	-
EP 315/2	31.5	2.4	2.9	315	250	200	800	800	-	-
EP 315/3	31.5	3.2	3.72	400	315	250	1000	800	650	-
EP 400/3	40	3.5	3.97	400	315	250	1200	1000	800	-
EP 400/4	40	4.2	5.0	500	400	315	1400	1200	1000	-
EP 500/3	50	3.7	4.7	500	400	315	1200	1000	800	-
EP 500/4	50	4.7	5.46	500	400	315	1600	1400	1200	1000
EP 500/5	50	5.3	6.2	630	500	400	1600	1400	1200	1000
EP 630/3	63	4.2	5.0	500	400	315	1400	1200	1000	800
EP 630/4	63	5.0	6.2	630	500	400	1600	1400	1200	1000
EP 630/5	63	6.0	6.7	630	500	400	2000	1800	1600	1400
EP 800/3	80	5.2	5.9	500	400	315	1600	1400	1200	1000
EP 800/4	80	5.8	6.82	630	500	400	1800	1600	1400	1200
EP 800/5	80	6.4	7.5	800	630	500	2000	1800	1600	1400
EP 1000/4	100	7.2	8.0	800	630	500	2000	2000	1800	1600
EP 1000/5	100	7.5	8.5	800	630	500	2000	2000	2000	1800
EP 1000/6	100	7.6	9.42	1000	800	630	2000	2000	2000	2000
EP 1250/4	125	7.8	9.5	800	630	500	2000	2000	2000	2000
EP 1250/5	125	8.6	9.8	1000	800	630	2000	2000	2000	2000
EP 1400/4	140	8.6	10.66	1000	800	630	2000	2000	2000	2000
EP 1400/5	140	10	11.5	1000	800	630	2000	2000	2000	2000
EP 1600/4	160	10.2	12.55	1000	800	630	2000	2000	2000	2000
EP 1600/5	160	10.5	13.19	1000	800	630	2000	2000	2000	2000
EP 1600/6	160	12.1	14.3	1250	1000	800	2000	2000	2000	2000
EP 1800/4	180	11.8	13.52	1250	1000	800	2000	2000	2000	2000
EP 1800/5	180	10.9	13.52	1250	1000	800	2000	2000	2000	2000
EP 2000/4	200	11.7	14.0	1250	1000	800	2000	2000	2000	2000
EP 2000/5	200	12.6	14.90	1250	1000	800	2000	2000	2000	2000

