

# **ENDURA** HI-TECH

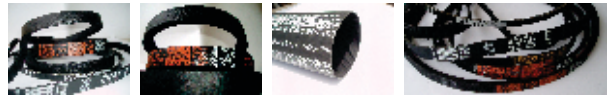
INDUSTRIAL, AGRICULTURAL & AUTOMOTIVE



AN ISO 9001 CERTIFIED COMPANY



OMFA RUBBERS PRIVATE LIMITED



Manufacturers & Exporters of Power Transmission Belts

## the company

OMFA Rubbers (P) Ltd embarked on its journey of progress and excellence in the year 1992. We began production and marketing of industrial, agricultural and automotive power transmission belts ('V' cogged and Ribbed) with an installed capacity of 9,00,000 units per annum from our unit in NOIDA. A figure that has swelled to over 4 million units per annum which equates to growth of over 400% within a decade and a half. And this stupendous progress has been possible through consistent excellence in the quality and reliability of our product. Our evolution into becoming one of the top Power Transmission belt producers, with a current installed capacity of some 8 million units per annum, is a tale of commitment, dedication, sincerity and talent of a young and dynamic team of professionals.

OMFA Rubbers (P) Ltd started life as a company whose products had Isi approval and earned its ISO 9001-2000 certificate in the year 2002. **ENDURA HI-TECH** is respected amongst our product users and signifies the best quality in terms of cost effectiveness, reliability, trouble free operation and availability in a wide spectrum of sizes and utility parameters. Manufacturing power transmission belts of such demanding and exacting standards, while making them excel in their cost effectiveness, necessitates a judicious and innovative use of the latest in both technology and production management practices. OMFA has an all-inclusive production set-up that encompasses all processes needed to produce power transmission belts from raw rubber. And our in-house Research & development section is equipped with the latest testing and monitoring equipment's those help to ensure the attainment of the desired quality in our product.

Any company's capability and reputation can be gauged by its clientele. And ours is no less than the best. The top-most in the private sector (Tata Group, Birla Group, Vedanta Group etc.) trust our product, even though liberalization and free-trade allows them purchases from across the globe. The public sector too figures very prominently in our client list, notably the Railways, Ministry of Defense, ONGC, NTPC to name a few. We have had a strong presence in a wide variety of industrial sectors that include Cement, Textiles, Iron & steel, Mining, Marine, Sugar, Agriculture and Automobiles.

Rated as the fastest growing v-Belt manufacturer in the country, OMFA Rubbers (P) Ltd has evolved its entire organizational structure towards making its mark on a global level in the years to come. We have been exporting power transmission belt to Europe, South America, the Middle East and Far East. Our human and technical resources, shall make our transition from a national player to becoming a major international one when allied with steadily growing production facilities (in NOIDA, Greater NOIDA and Rudrapur), a logical and inevitable consequence.

OMFA Rubbers (P) Ltd works on the twin principle of 'Fitness for use' and 'Delivered on time'. We don't just make and sell a product, we engender a relationship with our client, and 24 years of rapid-fire progress is proof enough of that.

## Wrapped Belts

### Classical V-Belt

**ENDURA** HI-TECH Classical V Belts are endless belts used for a wide range of applications providing a technically and economically good design for most ordinary drives. They are anti-static, oil and heat resistant and can be used in applications where belt linear speeds do not exceed 30 mtrs/sec.

**ENDURA** HI-TECH Classical V Belts come as preset and fully comply with IS 2494 (Part 1) Quality Certification standards. Their exceptional operational reliability are the result of the use of high quality HMLS polyester cord and Chloroprene in its rubber jacket fabric.

Section Code	Top Width (mm)	Height (mm)	Length Range (mm)
Z/M/FHP	10	6	380-1220
A	13	8	480-5200
B	17	11	560-11200
C	22	14	900-11200
D	32	19	1900-13700
E	38	23	3000-13700

Maximum Belt Liner Speed-30 mtrs/sec



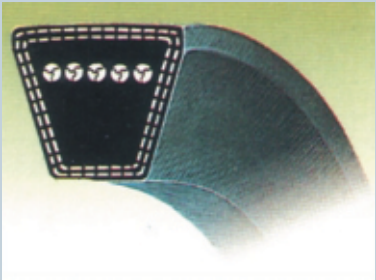
### Narrow V-Belt

**ENDURA** HI-TECH Narrow V Belts are especially suitable for drives with high belt speeds are used in industrial and agricultural machinery. Since they need upto 50% smaller pulley widths than classical sections, this allows for a substantial size reduction in drives. Since most new drives these days use universal pulleys, the classical belt can in most cases be replaced with a narrow V-belt, thereby achieving better power transmission efficiency that eventually results in a longer belt life.

**ENDURA** HI-TECH Narrow V-Belts are resistant to temperature and oil, and they are antistatic .The belt core, made of high quality HMLS polyester cord and comprising the rubber compression zone, is resistant to intensive compressions and heat stresses while the power transmitting and cord is wrapped in Chloroprene rubber impregnated fabric cover which provides both protection against external influences and uniform friction against the pulleys. Our Narrow V-Belts are tolerance stable manufactured and checked to comply with such exacting length tolerance that the belts can be used in preset without sorting.

Section Code	Top Width (mm)	Height (mm)	Length Range (mm)
SPZ/3V	10	8	630-3000
SPA	13	10	800-4500
SPB/5V	17	14	1250-8000
SPC	22	18	2000-12500
8V	25	23	1060-5000

Maximum Belt Liner Speed-42 mtrs/sec



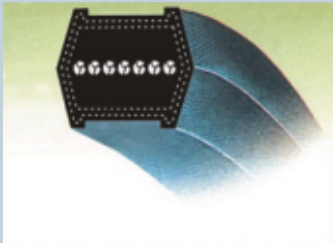
Hexagonal Belts

**ENDURA** HI-TECH Hexagonal Belts are specially designed for convoluted and serpentine belt drive paths with reverse bends. The sudden direction changes in belt travel put unique stresses and demands on belt carcass and structure and such loads are reliably handled by these anti-static and oil-resistant belts.

**ENDURA** HI-TECH Hexagonal Belts have been designed with a new cross-section that keeps the belt perfectly aligned, both laterally and longitudinally, in the pulley groove. These belts use a high quality Polyester tensile member as its core and Chloroprene is used in insulation rubber and impregnated in the specially woven covering cloth.

Section Code	Top Width (mm)	Height (mm)	Length Range (mm)
BB	17	13	1750-3050

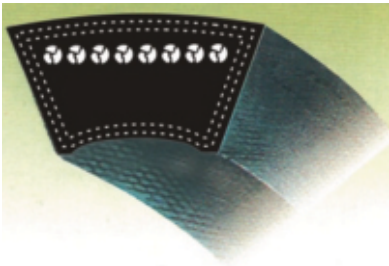
Maximum Belt Liner Speed-30 mtrs/sec



Harvester Combine V-belt

**ENDURA** HI-TECH has a range of Wrapped V-Belts for use in Combine Harvesters. These belts have been specifically designed for excellent performance under variable speed conditions. Their High tensile strength core caters for very low elongation under load while Chloroprene as insulation rubber and wrapping fabric impregnator provide these belts with exemplary friction characteristics along with good oil-resistance and anti-static properties. These belts also come in preset.

Section Code	Top Width (mm)	Height (mm)	Length Range (mm)
HM	36	14	900-1140
HM	45	20	2500-3500
HM	50	22	1825-4000



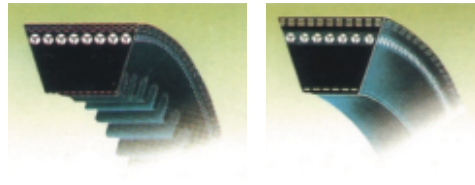
Harvester Flat Belt

**ENDURA** HI-TECH Flat Belts for Combine Harvester use come in wide spectrum of sizes and cross-sections. Their High tensile strength core accounts for low elongation while the specially designed hi-grip wrapping fabric gives it excellent grip in the pulley groove, both ensuring very efficient power transmission.

Section Code	Top Width (mm)	Height (mm)	Length Range (mm)
75	75.00	6.5	2600-3500
100	100.0	6.5	3000-3500
114	114.0	6.5	3000-3600
125	125.0	6.5	3000-3800
137.5	137.5	6.5	3500-4000

## Raw-edged V-Belt

**ENDURA HI-TECH** Raw Edged V Belts are designed for maximum belt linear speeds of upto 50mtrs/sec. They are anti-static and highly oil resistant while having the ability to handle a wide temperature range for working. These belts carry a high quality Polyester cord core with Chloroprene used in insulation rubber, compression rubber and to impregnate the canvas. Used widely in automotive sector; **ENDURA HI-TECH** Raw Edged V Belts are available in the full range of automotive sizes, these belts are also made for industrial use.



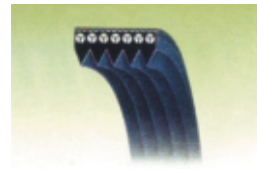
Section Code	Top Width (mm)	Height (mm)	Length Range (mm)
AX	13	8	650-3000
BX	17	11	650-3100
CX	22	14	950-3200

Maximum Belt Liner Speed-50 mtrs/sec

## Multi-Ribbed Belts

**ENDURA HI-TECH** Multi-Ribbed Belts are specifically engineered for serpentine drives. Being ribbed, flat and thin, these belts have great flexibility and can be taken around small diameter pulleys without impairing their power transmission efficiency. Multi ribbed belts are designed to allow the usage of both the ribbed and flat sides for transferring power, helping them replace several traditional belts resulting in a substantial reduction in operating costs and increasing drive reliability.

Resistant to oil and wide temperature variations, these anti-static belts are widely used in automotive applications because of their suitability for multi-axle 'reverse direction' power transmission and the ability to handle high speed transmission of high power. The V profiles of **ENDURA HI-TECH** Multi-Ribbed Belts are made of specially formulated rubber compound with direction – oriented fiber structure, imparting the belts with very high carcass rigidity and exceptional dynamic stability.

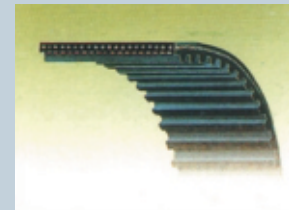


Section Code	Top Width (mm)	Height (mm)	Length Range (mm)
3PK	11.68	6	600-1000
4PK	14.24	6	600-1500
5PK	17.80	6	600-2000
6PK	21.36	6	600-2000
7PK	24.92	6	1000-2500
8PK	28.48	6	1000-2500

## Synchronous Belts

**ENDURA HI-TECH** Synchronous Belts operate on a basic principal: molded teeth of the belt and corresponding mating grooves of the pulley make for positive engagement. The teeth enter and leave the pulley in a smooth rolling manner with low friction and zero slip. Synchronous drives represent a modern and efficient system of power transmission. They essentially combine the advantages of mechanical drive and flexible components (like chain drives etc.) while eliminating the inherent disadvantages of both.

**ENDURA HI-TECH** Timing Belts offer higher efficiency to the drive, enabling higher power transmission capacity. These belts exhibit low elongation and haet shrinkage while proving higher transmission speed ratio. The low elongation under load is attributable to the strong Fiber Glass tensile cord, which also provides for excellent flexibility. The precision formed teeth provide positive engagement with meeting grooves.



Section Code	Top Width (mm)	Height (mm)	Length Range (mm)
XL	5.080	2.3	60-450
L	9.525	3.6	124-600
H	12.700	4.3	240-1700
XH	22.225	11.2	570-1575
3M	3.000	2.4	150-300
5M	5.000	3.8	225-2000
8M	8.000	6.0	424-2240
14M	14.000	10.0	966-2100



## Banded V-Belts

**ENDURA** HI-TECH banded V Belts because of their band construction, these belts tend to prevent roller and reduce vibration tendencies, banded belts are usually better suited to unusual drive situations than are matched belt sets. Banded V belts gives more than 50% longer life than conventional individual belts. These belts can transmit more power because of their feature of High – strength HMLS tensile member. Main application of these banded belts are on drives of severe vibrations or vertical shaft drives or agricultural drives. These belts are used in crushers, Compressors, Generator sets, Harvester Machines, Pumps etc.



Sections	Dimensions of the basic belt (mm)		Length Range (mm)
	Top Width (mm)	Height (mm)	
HA	13	8	1700-6000
HB	17	11	1600-7000
HC	22	14	2100-7000
HD	32	19	3000-11000
HSPA	13	10	1500-4500
HSPB	17	14	1500-8000
HSPC	22	18	2000-10000

## Pentagonal V-Belts

**ENDURA** HI-TECH pentagonal V belts are mainly used for the application in ceramic tiles manufacturing for conveying tiles from one process to another on their top surface. ENDURA HI-TECH pentagonal belts are in perfect matching of lengths to enable tiles to be carried smoothly. These pentagon shaped profile construction with specially designed compounds for supporting of tiles on the top edge. Because on their High-strength HMLS tensile members these belts gives low stretch.



Sections	Dimensions of the basic belt (mm)		Length Range (mm)
	Top Width (mm)	Height (mm)	
BT	17	11	2280-6600
CT	22	14	3000-7620



## OMFA RUBBERS PRIVATE LIMITED

Manufacturers & Exporters of Power Transmission Belts

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