



**OMFA**  
**RUBBERS PVT.LTD.**

# ***TECHNICAL MANUAL***

***[www.omfarubbers.com](http://www.omfarubbers.com)***

***ADDRESS / B-20 & 21, Sector- 5  
Noida (India) - 201301***



## INTRODUCTION

### ABOUT OMFA RUBBERS PRIVATE LIMITED

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', Petagonal, Harvester Banded, Cogged and Ribbed ) with an installed capacity of 12,00,000 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% with 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 Belts 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 Private Ltd ( ORPL ) started life as a company whose products had ISI approval and earned its ISO 9001-2008 certification in the year 2002. **Endura Hi - Tech** is highly respected amongst our product users and signifies the best quality in terms of cost effectiveness, reliability, trouble-free operation and the availability in a wide spectrum of sizes and utility parameters. Manufacturing power transmission belts to such demanding and exacting standards, while making them excel in their cost- effectiveness, necessitates a judicious and innovative use of latest in both, technology and production management practices. ORPL 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 equipments 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, Shree Cement etc.) trust our product, even though liberalization and free-trade allows them purchase 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, Textile, Iron& Steel, Mining, Marine , Sugar, Agriculture and Automobiles.

Rated as the fastest growing V-Belt manufacturer in the country, ORPL 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 belts to Europe, South America, Africa and the Middle East and the 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.

ORPL works on the twin principles of '**Fitness for use**' and '**Delivered on time**', **every 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.

## PRODUCT QUALITY

The essence of our continued success mainly rests on quality of our products. We strongly believe in improving our product quality continuously.

Our prime brand of V-belts, **Endura Hi - Tech** is approved and certified by **BIS, RDSO & DGQA**. Manufactured from finest quality of raw materials under strict supervision of qualified and well experienced engineers in an ultra modern plant, equipped with in-house **R&D** and **QCD**, **Endura Hi - Tech** V-belts are accepted and used by an innumerable industrial houses in the country.

All our products undergo stringent quality inspection, right from the raw material stage to finished goods.

As a result, our Company has been highly successful in continuously producing V-belts of international standard.

## ACHIEVEMENTS

- Certification and approval of **Endura Hi - Tech** brand by **ISI**.
- Certification and approval of the Company by **ISO-9001-2008** in the year 2002 thru Lloyds
- Certification of the **Endura Hi - Tech** brand by **RDSO & DGQA**.

## VISION

**“To meet and exceed customers’ needs and expectations in the field of power transmission and to acquire the apex position among the manufacturers of the transmission belts in the country.”**

## CMD DESK

During the past decade, the Indian Power Transmission Rubber V Belts industry has witnessed a rapid change in the business environment due to the technological advancement, social behavioral pattern and globalization to meet the stringent economic and environmental laws. Productivity is no more looked only from its economic aspect viz, ratio of what is produced to what is required to produce. It has acquired a broader definition in context to human value system in which the social philosophy assumes greatest significance.

ORPL has carved a niche itself in the Indian V-Belt industry. It had played a pioneering role not only in industrialization but also enhancing the life in neighborhood. Company has contributed to improvements of the roads, educational facilities, drinking water and health care in and around its unit. The company has set benchmarks with respect to quality of products, adoption of environment friendly technologies, customer satisfaction and social responsibilities.

Being one of the signatories to **“Responsible Care”** movement, the company is committed to maintain cleaner environment, safe operation and health of employees besides the well being of people around the area in which ORPL operates.

We have always been front runners in the adoption of latest technologies, which enable us to manufacture new generation products. Our endeavor is to give our clients the complete solution at the most affordable prices. With more than 24 years of experience, the company is all set to boost its momentum of growth and trying to become an Indian Multinational.

## CUSTOMER SERVICE/ SATISFACTION

At ORPL, customer satisfaction is viewed as the central determinant of customer retention. It been the key to company’s success and long term competitiveness in the global market. The overall emphasis of ORPL is to develop a conceptual foundation for investigating the customer retention process, with the use of customer satisfaction and relationship quality. This involves a critical examination of satisfaction-retention relationship and development of more comprehensive relationship.

Omfa has carved a niche for itself as one of the most reliable manufacturers of high quality power transmission belts. We work in close coordination with our customers to manufacture product exactly as per their specification. Apart from providing high quality products, we also assure our customers, responsive services and timely delivery of products to desired destination.

We strive to continually increase the level of customer satisfaction by meeting all the expectation of our worldwide clients. We believe in achieving complete satisfaction by maximizing value in terms of services and that too on a consistent basis.

# CERTIFICATES SYSTEM CERTIFICATION

**LR** Lloyd's Register  
LRQA

**CERTIFICATE OF APPROVAL**

This is to certify that the Quality Management System of:

**OMFA Rubbers Private Limited**  
B 20-21 Sector V,  
Noida, Gautam Budh Nagar - 201301,  
Uttar Pradesh,  
INDIA

has been approved by Lloyd's Register Quality Assurance  
to the following Quality Management System Standard:

**ISO 9001:2008**

The Quality Management System is applicable to:

**The design and manufacture of power transmission belting  
including industrial, agricultural and fan belts.**

Approval  
Certificate No: MUM6003156

Original Approval: 09 May 2008  
Current Certificate: 09 May 2014  
Certificate Expiry: 08 May 2017

*Shalabh Tyagi*  
Issued by: Lloyd's Register Quality Assurance Limited

**UKAS**  
001

This certificate replaces and supersedes certificate no. MUM6003156, issued 09 May 2014.  
It is issued to the firm named above and is valid for the period of 12 months from the date of issue.  
The use of the LRQA logo for the purpose of certification is restricted to the scope of the certificate and is not to be used for any other purpose.  
The certificate is issued to the firm named above and is valid for the period of 12 months from the date of issue.  
The certificate is issued to the firm named above and is valid for the period of 12 months from the date of issue.  
The certificate is issued to the firm named above and is valid for the period of 12 months from the date of issue.

**भारतीय रेलवे RDSO**  
रेल अग्रदूत Transforming Railways

**RESEARCH DESIGNS & STANDARDS ORGANIZATION**  
Manaknagar, Lucknow, Uttar Pradesh, INDIA - 226011

**CERTIFICATE OF APPROVAL**

This is to certify that:

**M/s. OMFA RUBBERS PRIVATE LIMITED**

With facilities located at the following addresses:

Office Addresses	Works Addresses
M/s OMFA Rubbers Private Limited, B-20-21, Sector V Noida - 201 301 (UP) Fax No. 0120-2421407	M/s OMFA Rubbers Private Limited, B-20-21, Sector V Noida - 201 301 (UP) Fax No. 0120-2421407

Is approved as a supplier for the following items. (Delete / add rows as required)

S. No.	Item Description	Drawing / Specification	Status of Approval (Part-I / Part-II)
1.	Endless V Belt for Railway Coaches Size C-122	RDSO's specification No. RDSO/PE/SPEC/AC/0059- 2004 (Rev.0) with Amendment No. 1	Part II (RENEWAL)

**Total: One item only**

**Certificate Details:**

Vendor Code / File No.	Registration Number:	
EL/6.9/OMFA		NIL
Valid from	26.02.2014	Date of Expiry: 28.02.2017

Signature & Seal of Issuing Authority

*Shalabh Tyagi*  
26/02/14

निदेशक (विद्युत)  
Director (Electrical)  
RDSO - 226011, Lucknow  
संपर्क-226011, Lucknow

Name: Shalabh Tyagi  
Designation: Director / PE & Metro

**Terms and Conditions**

(Note in the following paragraphs word 'firm' is used to mean any approved entity i.e. company / partnership / proprietorship etc.)

1. The firm's name has not been changed.





## ENVIRONMENTAL POLICY

### "ENVIRONMENTAL , OCCUPATIONAL HEALTH & SAFETY POLICY"

We at **OMFA RUBBERS PVT LTD, Noida** responsible for production of high quality Power Transmission Belts are committed to demonstrate excellence in our environmental, occupational Health & safety management systems & performance on a continual basis.

To achieve this, we shall:

- 1-Comply with relevant laws and regulations as well as taken any additional measure considered necessary.
- 2-Follow a systematic approach to environmental management plan in order to achieve continual performance improvement.
- 3-Prevent pollution arising from manufacturing process of V-belts.
- 4-Provide a safe and healthy working environment to all persons working in our premises.
- 5-Strengthen the awareness, skill and competence of our employees, Channel Partners and vendors.
- 6-Recognize working safely is everyone's responsibility and accountability.

**ANUJ P. FARSAIYA**  
Director

## QUALITY POLICY

### QUALITY POLICY

### गुणवत्ता नीति

OMFA RUBBERS quality policy is to meet and exceed customers needs & expectations to ensure the Company's future prosperity.

ओमफा रबर्स की गुणवत्ता नीति ग्राहक की आवश्यकता व उम्मीद को पूर्ण एवं अधिकतम करना है जिससे कम्पनी के भविष्य की समृद्धि सुनिश्चित हो।

Our means to achieve excellence are by adopting quality system conforming to ISO 9001 : 2008 through participation of all employees at all levels.

हमारा ध्येय मानक ISO 9001 : 2008 को साधन मानते हुए सभी कर्मचारियों का सभी स्तर पर सहयोग लेते हुए उत्तमता प्राप्त करना है।



Dated : 02-11-2009

**Anuj Prakash Farsaiya**  
Director

## BRIEF SCOPE

A well designed belt drive will transmit power for many years with a minimum of maintenance. This manual covers V-belt drives used primarily for power transmission in required applications. One or more V belts may be used on a drive, as required, to transmit the horse power load. This manual covers the various V belt cross sections. Dimensions of V-belts and pulleys together with basic design data are covered in this manual. This manual was developed in order to provide in correct drive parameters selection so that designed drive can transmit power efficiently for longer time.

## V BELT

An endless power-transmission belt with a trapezoidal cross section which runs in a pulley with a V-shaped groove; it transmits higher torque at less width and tension than a flat belt. V Belt gives years of trouble free performance with a minimal attention. They are clean and require no lubrication and are efficient.

## POWER TRANSMISSION

Power transmission is the movement of energy from its place of generation to a location where it is applied to performing useful work. Power transmission is normally accomplished by belts, ropes, chains, gears, couplings and friction clutches. The transmission of power between belt and pulleys can either involve frictional forces or positive engagement and mechanical interlocking, for instance with the aid of cogs or teeth. The frictional forces, and thus the possible power rating, will depend on the coefficient of friction, the normal force and the contact area between belt and pulleys. The size of the contact area will depend on factors such as the arc of contact angle. Any increase in contact force between belt and pulleys will cause increased belt tension meaning increased loads on shafts and shaft bearings. One method of increasing frictional force without a corresponding increase of the belt tension is to utilize the wedge effect without locking the belt in the pulley groove, as in a V-belt.

## V BELT HISTORY

Originally V-belt has been in existence since the early 1920's. Through the years, vast improvements have been made in the materials used in V-belt construction and in cross sectional shape as well. Originally, V-belts came into being to replace the flat and round belts on automotive drives to ensure greater reliability. The use of V-belts in multiple, allowed drives with a much larger range of horsepower capacity than ever before obtainable using single belt drives. Today, the Rubber Manufacturers Association have established standards on all types of V-belts which are recognized internationally. These standards have been adopted by all standardizing bodies such as the BIS, BS, JASO, API, ASAE, SAE and the International Standards Organization.

Originally, V-belts were manufactured using prime quality cotton cord as tensile members along with natural rubber compounds. These materials were used on V-belts up to and during most of World War II. Later, high tenacity Rayons replaced cotton as tensile members because of their much greater strength capacity. In addition to this, the SBR synthetic type of rubbers which were also developed during the war, were incorporated into V-belt constructions. Due to the deficiencies of both cotton and rayon tensile members, experimentation was carried on with Nylon fibers, however these never gained wide acceptance because of operational problems and today, polyester, fiberglass and aramid fibers are the predominant tensile members on all high capacity V-belts. In addition to polyester tensile members, the Chloroprene type of elastomers have become widely used because of their much greater resistance to oil, heat, and ozone resistance. In addition to changes in materials, many changes in belt cross-sections have also occurred to obtain greater power transmission in less space.

## V-BELT DRIVE ADVANTAGES

Our V-belts are especially designed to transmit power from drives up to 98% efficiency. Because of the wide variety of belt range and sizes available, almost any type of drive application can be designed. This ensures availability and excellent delivery schedules and if necessary, special constructions are available for unusual applications. Endura Hi-Tech V-belt drives also provide many advantages that help reduce power consumption, equipment repairs and hold forced downtime to the lowest possible level.

Other significant advantages V Belt drive includes:

- Smooth starting and running.
- Permit a wide range of driven speeds, using standard electric motors.
- They're rugged and provide years of trouble-free performance with minimal attention even under adverse conditions.
- Clean—require no lubrication.
- Highly efficient.
- Extremely wide horsepower ranges.
- Dampen vibration between driver and driven machines.
- Silent operation.
- Long service life.
- Easy installation.
- They act as a “safety fuse” refusing to transmit severe power overload, except for a very brief period.
- V-belts and sheaves wear gradually-making preventive corrective maintenance simple and easy.

## FACTORS INFLUENCING BELT DURABILITY

### i. Number of belts in one set

Belt drive is designed for optimal number of belts to be used. If the number of belts in one set decrease, lifetime of remain belts lowers disproportionately. For example: according to calculations drive requires usage of 10 belts, and if one belt will be removed, lifetime of remain belts decreases not by 10% but by 30%.

No of Belts	% under belting	Belt life expectancy
10	-	100%
9	10%	70%
8	20%	40%
7	30%	25%
6	40%	17%

### ii. Belts tension

For excellent drive transferring and for reaching required belts durability a very important factor is to ensure correct belts tension. Belts should be tensioned as appearing slippage at the pulley not exceed 1%. Too small tension causes excessive belts slippage at belt pulley; too big tension – decrease belt lifetime as well as quicker bearings wear in propulsion machinery and driven machinery. During machines transportation and during storage is required to lower belts tension.



---

### iii. Correct belt pulley selection

---

**Important factor of reliability and equal operation of V-belts is exact fulfilling of conditions specified for belt pulleys:**

- belts should work at grooved pulleys of dimensions fitted to belt section, as only side (working) walls of belt were in contact with walls of pulley grooves;
- pulley grooves should be smooth, without deformations, snagging and contaminations, particularly grease and oils. Surface coincides of groove pulleys should not be painted.
- minimal recommended diameter of pulley for given belt section should be observed unless compactness of gear is going to be reached at all costs, even at the expense of reduced efficiency and lowering of belt lifetime;

---

### iv. Belts coupling in belt units

---

In order to transfer a power which increase a power transferred by one belt, special units are used which consist of a few single belts of the same section and the same length, completed in one unit or power bands are used. In determining number of belts in a drive it is necessary to remember, that in most favourable conditions works single belt. In multi belt drive all dimension differences particular belts and grooves at pulleys create parasitic circulating power and increase belts slippages what negatively affect gearing efficiency and belts lifetime. In comparison with belt units better conditions of power transferring possess power bands. In multi belt drives, to ensure comparable tension of each single belt is necessary to use selected belts with respect to length tolerance.

---

### v. Usage of tension rollers

---

In a drive, where is not possible to strain a belt by changing a distance between driving machine and driven machine, a tension roller can be used for belt tension. Other phenomenon, which require usage of tension roller are vibration of long belt tie rod of small tension or short tie rod during rapid load changes. Each usage of rollers increase frequency of belt inflection and introduce additional bending stresses, what shorten its lifetime. Tension rollers can be placed outside and inside of belt. Tension rollers placed outside of a belt cause belt deflection in the opposite direction then during normal operation, what seriously shorten belt lifetime. So is decisively recommended to use tension rollers from inside of belt.

---

### vi. Cleanliness

---

Belt drive is sensitive for chemical influence of environment, its temperature and humidity, as well as lubricants and pollutions. In case a drive operate in an environment of increased pollution, then it should be protected by special covers. Minor pollutions like dust and sand cause quicker grinding of side walls of belt and pulley.

---

### vii. Storage of belts

---

Properly stored V-belts do not lose their properties for years. Rubber products stored in adverse conditions together with bad handling change physical properties. These changes are caused by influence of oxygen, ozone, extremely unfavourable temperatures, light, humidity or solvents.

Storehouse should be dry and free of dust. Belts should not be stored together with such materials like: solvents, fuel, lubricants, acids and other chemicals. Pay attention to store belts in not-tensioned state as well as not distorted state. If there are stored in a hanging position, then the mandrel the belts are hanged should have diameter at least 10 times bigger than belt thickness.

## SPECIAL PROPERTIES OF ENDURA HI-TECH V BELTS

### i. Endura Hi-Tech Pre-Set V Belts

However due to with the use of HMLS polyester cords while ,manufacturing Endura Hi-Tech Belts are Pre-set so that belts lengths are same (with in tolerance limit) before installation. And length remains equal in all belts of a set.

#### Features of Pre-Set belts:

- Elimination of length code
- Even Distribution of power Transmission
- Longer Life
- Inventory control
- Reduced Maintenance Intervals
- No variation in elongation in same set of belts
- Low Stretch

### ii. Endura Hi-Tech V belts tolerance Limit

Nominal Length OfV Belt in mm	Tolerance in Length in mm
Up to 1900	+ -1
1900 - 3300	+ -2
3301 - 5080	+ -3
5081 - 9400	+ -4
9401 - 14000	+ -6

## DESCRIPTION

### DIFFERENT TYPES OF V BELTS

---

#### 1. Wrapped V belts

---

- i. Endura Hi-Tech 'CORE' Classical V belts
- ii. Endura Hi-Tech 'CORE' Wedge V belts
- iii. Endura Hi-Tech 'CORE' Narrow V belts

---

#### 2. Raw Edged Cogged V belts

---

- i. Endura Hi-Tech 'FLEX' Cogged V belts
- ii. Endura Hi-Tech 'FLEX' Wedge V belts
- iii. Endura Hi-Tech 'FLEX' Narrow V belts

---

#### 3. Agriculture V belts

---

- i. Endura Hi-Tech 'AGRI-POWER' Harvester V belts
- ii. Endura Hi-Tech 'AGRI-POWER' Harvester Flat belts
- iii. Endura Hi-Tech 'POWERBAND' Banded belts
- iv. Endura Hi-Tech 'VARI-FLEX' Variable Speed V belts

---

#### 4. Special Type V belts

---

- i. Endura Hi-Tech 'LITE' Light Duty V belts
- ii. Endura Hi-Tech 'POWER PLUS' Power Loom V belts
- iii. Endura Hi-Tech 'PENTA' pentagonal V belts
- iv. Endura Hi-Tech 'WETGRINDER' Grinder V belts
- v. Endura Hi-Tech 'HEXA' Hexagonal V belts

---

#### 5. Automotive Cogged and Ribbed belts

---

- i. Endura Hi-Tech 'COG' Raw Edged Cogged belts
- ii. Endura Hi-Tech 'POLY' Multi Ribbed Poly belts

---

#### 6. Synchronous belts

---

- i. Endura Hi-Tech 'SYNCHRO' Timing belts

# 1 WRAPPED V BELTS

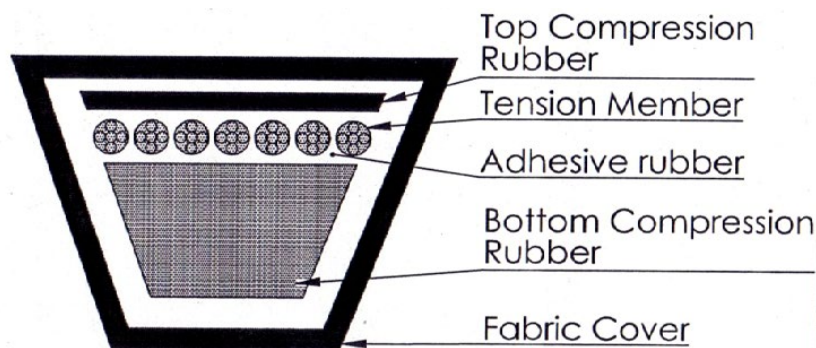
## V shape belt with surface covered with fabrics

### i. Endura Hi-Tech 'CORE' Classical V belts

#### Features:

- Cover fabrics enhance durability by protecting inner parts.
- Specially designed cords enhance durability and length stability.
- Excellent in resistance against heat, ozone, sunlight, weather, and aging.
- Safe use is ensured by preventing static electricity.
- Enhances power transmission efficiency by reducing slip

Construction	Functions	Materials
Cover fabric	Protects the inner parts of belts and strong Abrasion resistance on the pulley groove	Cotton Polyester Fabric impregnated by chloroprene compound
Top cushion rubber	Maintain belt flexibility	NR, SBR, CR
Tension member	Primary material for transferring power	Polyester cord, Aramid cord
Adhesive Rubber	Supports and protects tension member adhesion	NR, Synthetic, CR
Bottom compression Rubber	Maintain belt shape	NR, Synthetic, CR



#### Markets Applications:

Suitable for all industrial applications, including v-flat drives. They can run on wedge as well as on classical V belt pulleys. Power ratings achieved by Endura Hi-Tech 'CORE' wrapped V belts are far above than specified in IS 2494 and BS 3790, IP 20. Available in Z,A, B,C,D,E Sections.

#### Dimensions, Range and standards:

Table (refer table no.).

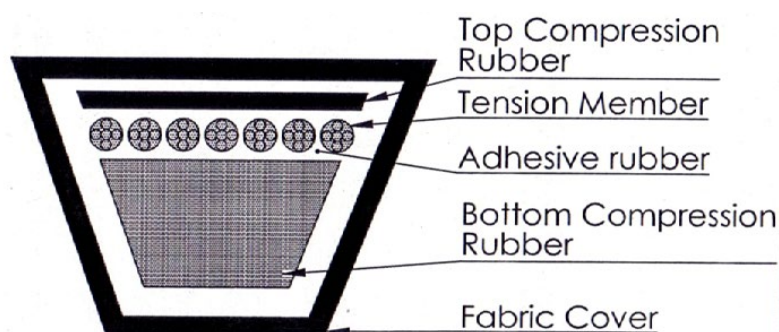
### ii. Endura Hi-Tech 'CORE' Wedge V belts

#### Features:

- Designed to enhance power transmission efficiency by giving even stress over tension member with a special sectional shape of narrower top width and taller height, special raw materials and production technique.
- High Modulus Low Stretch (HMLS) Polyester cords.
- Chloroprene rubberized wrapping fabric resists abrasion.
- Designed to deliver up to 1.5 to 2 times more power transmission in comparison to classical belts



Construction	Functions	Materials
Cover fabric	Protects the inner parts of belts and strong Abrasion resistance on the pulley groove	Cotton Polyester Fabric impregnated by chloroprene compound
Top cushion rubber	Maintain belt flexibility	NR, SBR, CR
Tension member	Primary material for transferring power	Polyester cord, Aramid cord
Adhesive Rubber	Supports and protects tension member adhesion	NR, Synthetic, CR
Bottom compression Rubber	Maintain belt shape	NR, Synthetic, CR



#### Markets Applications:

Available in profiles SPZ, SPA, SPB, SPC. These belts are gaining popularity on all the upcoming industrial applications from lightly loaded drives like pumps and heavily loaded stone crusher drives because it helps to run the drive with less belts there by reducing cost of the drive and improving transmitting efficiency.

#### Dimensions, Range and standards:

Range includes SPZ, SPA, SPB and SPC. The nominal length for wedge belts is designated as pitch length in millimetre. Standards ISI 4261, BS 3790.

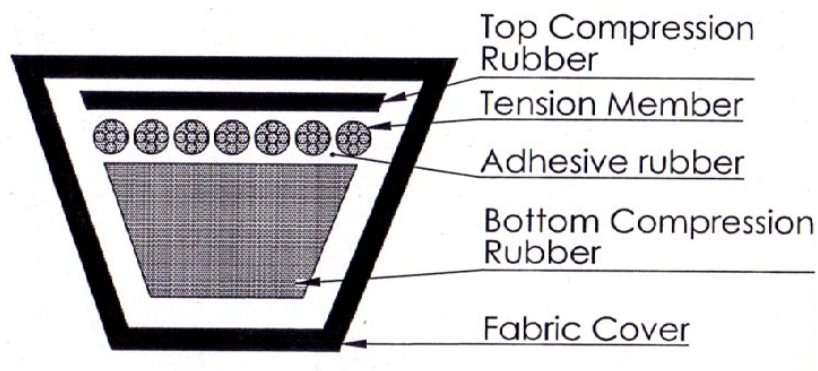
Table (refer table no.).

### iii. Endura Hi - Tech 'CORE' Narrow V belts

#### Features:

- Made from high performance polymers for smooth transfer of power.
- Special top ridge to provide extra strength under heavy load conditions.
- Manufacture in accordance with RMA IP 22 standards
- Chloroprene rubberised wrapping fabric.
- Can transmit up to three times the power than classical sections in the same drive space.
- Greater design flexibility provides longer belt life.

Construction	Functions	Materials
Cover fabric	Protects the inner parts of belts and strong Abrasion resistance on the pulley groove	Cotton Polyester Fabric impregnated by chloroprene compound
Top cushion rubber	Maintain belt flexibility	NR, SBR, CR
Tension member	Primary material for transferring power	Polyester cord, Aramid cord
Adhesive Rubber	Supports and protects tension member adhesion	NR, Synthetic, CR
Bottom compression Rubber	Maintain belt shape	NR, Synthetic, CR



#### Markets Applications:

Suitable for all industrial applications, particularly where space, weight and horsepower capacity are critical. Narrow belts are recommended for machine exported to/from countries such as the USA and Canada where these belts profiles are standardized and used.

#### Dimensions, Range and standards:

The standard length designation for narrow belts is as follows,

Belt Number /10 outside length in inches

Table (refer table no.).

## 2 RAW EDGED COGGED V BELTS

**V-belt with cog-shaped grooves on the bottom to enhance flexibility while top and bottom parts are covered with rubber or fabric is exposed on sides**

#### i.Endura Hi-Tech 'FLEX' Cogged V belts

##### Features:

- Excellent durability and flexibility.
- Specially designed cords enhance durability and length stability.
- Excellent in resistance against heat, oil and wear.
- High power transmission efficiency.
- Can be used on small pulleys.
- Excellent performance on high speed ratio.

Construction	Functions	Materials
Top fabric	Protects internal tension member	Cotton / Synthetic Fabric
Tension member	Primary material for transferring power	Polyester, Aramid
Adhesive Rubber	Absorbs shock and prevent cracking in compression rubber	CR
Compression Rubber	Maintains sectional shape by side pressure	Fibre Loaded CR

**Markets Applications:**

Endura Hi-Tech 'FLEX' Cogged Raw Edge Belts have been developed to handle the majority of industrial applications running on ISO wedge as well as on classical/wedge V-belt pulleys.

**Dimensions, Range and standards:**

Table (refer table no.).

---

**ii. Endura Hi-Tech 'FLEX' Wedge V belts**

---

**Features:**

- Strong tensile members to give durability. Wedge profile allows for a smaller drive package and lower operating costs.
- Engineered cushion compound. Cut-edge cogged construction on most sizes.
- Better curves provide proper cord support and full contact with the pulley-groove for uniform loading, uniform wear, and increased belt life.
- High flexibility.
- 25% – 30% higher power ratings than wrapped V-belts.

Construction	Functions	Materials
Top fabric	Protects internal tension member	Cotton / Synthetic Fabric
Tension member	Primary material for transferring power	Polyester, Aramid
Adhesive Rubber	Absorbs shock and prevent cracking in compression rubber	CR
Compression Rubber	Maintains sectional shape by side pressure	Fibre Loaded CR

**Markets Applications:**

Endura Hi-Tech "FLEX" Cogged Wedge Belts have been developed to handle all industrial Applications for longer trouble free service life.

**Dimensions, Range and standards:**

Table (refer table no.).

---

**iii. Endura Hi-Tech 'FLEX' Narrow V belts**

---

**Features:**

- Higher horse power rating than conventional belts.
- Greater design flexibility, Excellent durability.
- Specially designed cords enhance durability and length stability.
- Excellent in resistance against heat, oil and wear.
- Energy efficient, High power transmission efficiency.
- Compact and efficient operation so Can be used on small pulleys.

Construction	Functions	Materials
Top fabric	Protects internal tension member	Cotton / Synthetic Fabric
Tension member	Primary material for transferring power	Polyester, Aramid
Adhesive Rubber	Absorbs shock and prevent cracking in compression rubber	CR
Compression Rubber	Maintains sectional shape by side pressure	Fibre Loaded CR

**Markets Applications:**

Suitable for all industrial applications, particularly where space, weight and horsepower capacity are critical.

**Dimensions, Range and standards:**

Table (refer table no.).

## 3 AGRICULTURE V BELTS

### i.Endura Hi-Tech 'AGRI-POWER' Harvester V belts

**Features:**

- Specially designed for application with outside idlers.
- Equal load is transferred to all tensile members for uniform load carrying capacity.
- Outstanding transverse stiffness.
- Reliable tensioning capacity. Maintenance free.
- High Strength textile member gives low stretch.

**Markets Applications:**

**Dimensions, Range and standards:**

Table (refer table no.).



---

## ii. Endura Hi-Tech 'AGRI-POWER' Harvester Flat belts

---

### Features:

- Ideal for drives where pulsating loads are present.
- Eliminates belt whip, belt twist and belt turn.
- High-strength tensile members for better performance.
- Heat, oil and abrasion resistant.

### Markets Applications:

#### Dimensions, Range and standards:

Table (refer table no.).

---

## iii. Endura Hi-Tech 'POWERBAND' Banded belts

---

### Features:

- Gives more than 50% Longer Life than conventional individual belts.
- Can transmit more power.
- Eliminates belt whip, belt twist and belt turn.
- High-strength HMLS tensile members for better performance.
- Heat, oil and abrasion resistant.

**Markets Applications:** Banded belts are made by joining Classical, Wedge or Narrow sections belts. Each band may require different number of belts depending upon the drive condition. Main applications 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.

#### Dimensions, Range and standards:

Table (refer table no.).

---

#### iv. Endura Hi-Tech 'VARI-FLEX' Variable Speed V belts

---

Power transmission belt for variable speed pulleys having separable parts.

**Features:**

- Excellent transverse rigidity and flexibility to prevent bucking at minimum diameter settings where belt stresses more.
- Smooth running without excessive vibrations.
- Firm gripping action in the contact areas provide positive traction for precise, immediate response.
- Higher power transmission than regular belts.
- Longer service life.
- Optimise heat dissipation.
- Specific belt design for maximum longitudinal flexibility.

**Markets Applications:**

**Dimensions, Range and standards:**

*Table (refer table no.).*

## 4 SPECIAL TYPE V BELTS

---

#### i. Endura Hi-Tech 'LITE' Light Duty V belts

---

**Features:**

- Classical profile construction with specially compounded base for good flexibility.
- High-strength HMLS tensile members gives low stretch.
- Premium envelope construction with engineered rubber cushion.
- Heat, ozone, and abrasion resistant.

**Markets Applications:** Delivers high performance consistently in lawn and garden drives up to 20 horsepower. Also ideal for other power equipment where reverse bend idlers, misalignment, and quarter-turn drives cause ordinary belts to fail. These belts are mainly used in single belt drives. Normally used in household appliances and available in three different sections 3L, 4L, 5L

**Dimensions, Range and standards:**

*Table (refer table no.).*

---

**ii. Endura Hi-Tech ‘POWER PLUS’ Power Loom V belts**

---

**Features:**

- Length accuracy specially designed for loom industry.
- Longer life with lesser elongation .
- cost effective.

**Markets Applications:**

**Dimensions, Range and standards:**

*Table (refer table no.).*

---

**iii. Endura Hi-Tech ‘PENTA’ pentagonal V belts**

---

**Features:**

- Pentagon shaped profile construction with specially designed compounds for supporting of tiles on the top edge.
- High-strength HMLS tensile members gives low stretch.
- Heat, ozone, and abrasion resistant.

**Markets Applications:** Pentagonal V belts are mainly used for applications 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.

**Dimensions, Range and standards:**

*Table (refer table no.).*

---

#### iv. Endura Hi-Tech 'WETGRINDER' Grinder V belts

---

**Features:**

- Made from high performance polymers.
- Moderate-strength tensile members with less elongations.
- Designed for low heat build-up to extend belt life.
- Oil, heat, ozone, and abrasion resistant.

**Markets Applications:** This is used in applications where the belt is expected to perform around smaller pulley diameters applications like Home Appliances, wet grinders etc.

**Dimensions, Range and standards:**

*Table (refer table no.).*

---

#### v. Endura Hi – Tech 'HEXA' Hexagonal V belts

---

**Features:**

- Dual-sided classical profile.
- High-strength tensile members.
- Engineered rubber compound-impregnated envelope.
- Engineered rubber cushion and insulation.
- Oil, heat, ozone, and abrasion resistant.
- Precise control on construction.

**Markets Applications:** Used on drives having one or more reverse bends and usually where power must be transmitted to or from the belt in both the usual and reverse positions like Lawn and Garden Equipment, Mixers, Agitators, Conveyors, Crushers.

**Dimensions, Range and standards:** The length of Double V-belts is considered as the effective length. Standards IS 11038, IP21

*Table (refer table no.).*



## 5 AUTOMOTIVE COGGED AND RIBBED BELTS

### i. Endura Hi-Tech 'COG' Raw Edged Cogged belts

Made of high strength, flexible tension members and heat-resistant rubber compounds, these automotive belts are designed for high-speed and high-temperature conditions in specially designed shapes.

**Features:**

- Highly flexible and thus suitable for conditions requiring high flexibility and a small pulley diameter.
- Assures uniform performance over the entire belt length for the entire belt life.
- Resistant to heat, oil and abrasion.

Construction	Functions	Materials
Top fabric	Protects internal tension member	Cotton / Synthetic Fabric
Tension member	Primary material for transferring power	Polyester, Aramid
Adhesive Rubber	Absorbs shock and prevent cracking in compression rubber	CR
Compression Rubber	Maintains sectional shape by side pressure	Fibre Loaded CR

**Markets Applications:**

**Dimensions, Range and standards:**

*Table (refer table no.).*

### ii. Endura Hi-Tech 'POLY' Multi Ribbed Poly belts

V-ribbed belts have wide top width and thin thickness, it provides consistent tension while driving by connecting in the each rib. It is also called Micro V-belts.

**Features:**

- The wide width and thin height provide the excellent flexibility.
- High power transmission under operational conditions of high-speed rotation, reverse bending and a small diameter pulley.
- Maintains consistent tension during operation for cords of high modulus and low shrinkage.
- Excellent in resistance against heat, oil and wear.
- Enhances power transmission efficiency by reducing slip during operation.

Construction	Functions	Materials
Covering fabric	Oil, ozone and abrasion resistant fabric for long trouble free operation	Cotton / Synthetic Fabric
Cushion rubber	Strong adherence to the tension member and keeps it at correct position	CR
Tensile cord	Compose of special cord with Tensile strength and low elongation	Polyester
Compression Rubber	Fiber reinforced, truncated rib profile for higher load-carrying capacity and better wear resistance.	CR, EPDM

#### Markets Applications:

#### Dimensions, Range and standards:

Table (refer table no.).

## 6 SYNCHRONOUS BELTS

### i. Endura Hi-Tech 'SYNCHRO' Timing belts

Timing belts function a synchronous driving like a gear or chain, it is so called synchronous belts.

#### Features:

- May solve problems which can be happen by using the chain related to degrading power transmission during high-speed operation, and the distance problem between the driving and the driven part, and driving problem under the conditions of oil spreading.
- Prevents belt elasticity by using glass fiber for tension member.
- Excellent in resistance against heat, oil and wear.
- Guarantees high power transmission efficiency under driving conditions of high speed and severe temperature fluctuation.
- Show stable performance on high-speed rotation.

Construction	Functions	Materials
Rear rubber	Protects tension member	CR, HNBR
Tension member	Primary material for transferring power	Glass Fiber
Teeth Rubber	Protects tension member, maintains belt shape	CR, HNBR
Bottom fabric	Maintains belt and teeth shape	Nylon

#### Markets Applications:

#### Dimensions, Range and standards:

*Table (refer table no.).*

## SPECIAL CONSTRUCTION V BELTS

### i. Aramid Cord Belt (Kevlar Cord)

Aramid is an organic polyamide fiber. It is used in application where power transmission requirement are critical and where installation and take up allowances have restrictions.





## METHODOLOGY

### METHOD FOR DRIVE DESIGN

Various Input Parameters needed for selection of V belt drives are as follows:

#### i. Minimum Pulley Diameter

The minimum pulley diameters recommended for standard V-belts are shown in Table I.

RECOMMENDED PULLEY DIAMETERS FOR FASTER SHAFT												
Z	A	B	C	D	E	SPZ	SPA	SPB	SPC	3V	5V	8V
50	71	112	190	315	450	63	90	150	224	63	90	315
56	80	118	200	335	500	71	100	160	236	71	100	335
63	85	132	212	355	560	75	106	170	250	75	106	355
71	90	140	224	375	630	80	112	180	265	80	112	375
80	95	150	236	400	710	85	118	190	280	85	118	400
85	100	160	250	425	800	90	125	200	300	90	125	425
90	106	170	265	450	900	100	132	212	315	100	132	450
95	112	180	280	500	1000	106	140	224	335	106	140	475
100	125	190	300	560	1120	112	150	236	355	112	150	500
106	132	200	315	600	1250	118	160	250	375	118	160	530
112	140	212	335	670		125	170	265	400	125	170	560
125	150	224	355	710		132	180	280	450	132	180	600
	160	236	375	750		140	200	315	500	140	200	630
	170	250	400	800		150	224	355	560	150	224	670
	180	280	425	900		160	250	400	600	160	250	750

Table I (Minimum Pulley Diameter in mm).

Note : The smaller the pulley diameter, the less the belt life. Do not use the pulleys which are below the minimum recommended.

#### ii. Speed Ratio (Rs)

$$\text{Speed Ratio (Rs)} = \frac{\text{r.p.m. of faster shaft}}{\text{r.p.m. of slower shaft}}$$

#### iii. Center Distance and Belt Length

The relation between center distance and length is given by the following formula :

$$L_p = 2C + 1.57(D_p + d_p) + \frac{(D_p - d_p)^2}{4C}$$

This formula can be solved for center distance instead of belt length as follows :

$$C = \frac{b + \sqrt{b^2 - 2(D_p - d_p)^2}}{4}$$

Where

$L_p$  : Effective pitch length of belt(mm)

$C$  : Center distance(mm)

$D_p$  : Pitch diameter of large pulley(mm)

$d_p$  : Pitch diameter of small pulley(mm)

$b : L_p - 1.57(D_p + d_p)$

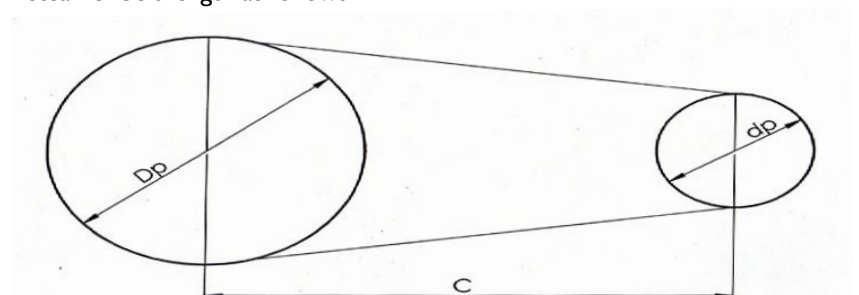


Figure I. Center Distance and Belt Length

#### iv. Design Factor

##### Service Factors

The selection of a V-belt drive for any application should be based on the nature of the load and the type of driving unit. Service Factors for different kinds of driven machines combined with different types of driving units are shown in Table 2.

Type of Driven Machine	Types Of Driving Units					
	AC Motors : Normal Torque, Squirrel Cage, Synchronous and Split Phase.  DC Motors : Shunt Wound, Multiple Cylinder Internal Combustion Engines.			AC Motors : High Torque, High Slip, Repulsion-Induction, Single Phase Series Wound and SlipRing.  DC Motors : Series Wound and Compound Wound, Single Cylinder Internal Combustion Engines, Line Shafts, Clutches.		
	Intermittent Service(3-5 Hours Daily of Seasonal)	Normal Service(8-10 Hours Daily)	Continuous Service(16-24 Hours Daily)	Intermittent Service(3-5 Hours Daily of Seasonal)	Normal Service(8-10 Hours Daily)	Continuous Service(16-24 Hours Daily)
Agitators for Liquids Blowers and Exhausters Centrifugal Pumps and Compressors Fans up to 10 HP Light Duty Conveyors	1.0	1.1	1.2	1.1	1.2	1.3
Conveyors for Sand, Grain, etc. Dough Mixers Fans Over 10 HP Generators Line Shafts Laundry Machinery Machine Tools Punches-Presses-Shears Printing Machinery Positive Displacement Rotary Pumps Revolving and Vibrating Screens	1.1	1.2	1.3	1.2	1.3	1.4
Machinery Bucket Elevators Exciters Piston Compressors Conveyors(Drag-Pan-Screw) Hammer Mills Paper Mill Beaters Piston Pumps Positive Displacement Blowers Pulverizers Saw Mill and Woodworking Machinery Textile Machinery	1.2	1.3	1.4	1.4	1.5	1.6
Crushers(Gyratory-Jaw-Roll) Mills(Ball-Rod-Tube), Hoists Rubber Calenders-Extruders-Mills	1.3	1.4	1.5	1.5	1.6	1.8

Table 2. Service Factors for V-belt Drives

## v. Cross Section Selection

Use the chart (Figure 2A & 2B) as a guide to the V-belt cross section to use for any combination of design horsepower and speed of faster shaft. When the intersection of the design horsepower and speed of faster shaft falls near a line between two areas on the chart, it is always desirable to investigate the possibilities in both areas.

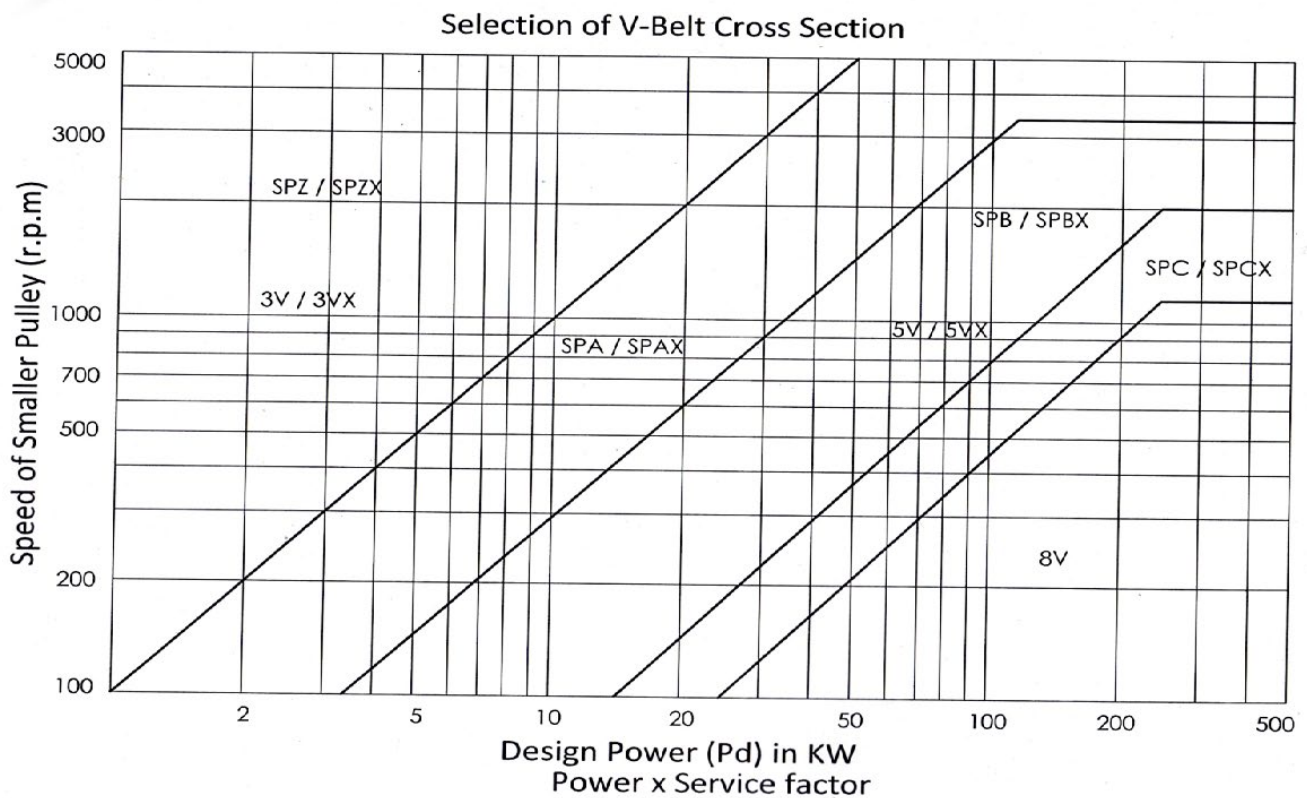
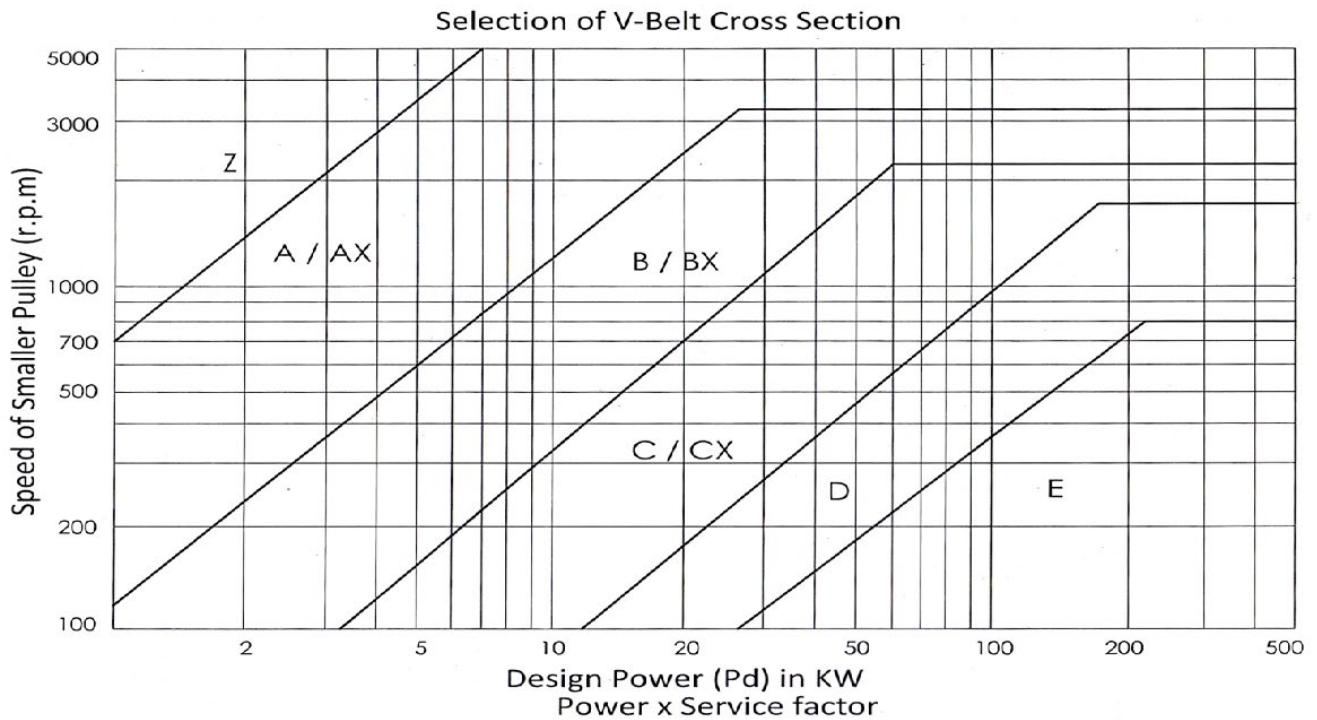


Figure 2A & 2B. Selection of V-belt Cross Section

---

## vi. Horsepower Ratings

---

The horsepower ratings recommended for standard belts of average length and with 180 degree arc of contact are shown in Table 5 to 12.

---

## vii. Corrected Horsepower Rating for One Belt

---

The corrected horsepower rating of one belt is obtained by multiplying the horsepower rating from Table 5 to 12 by the arc of contact correction factor and by the length correction factor.

---

## viii. Arc of Contact Correction Factor

---

For arc of Contract other than 180 degree determine the arc of contract correction factor (Fo) from Table 3.

Dp-dp/C	Arc of contact on small pulley (degree)	Correction factor(Fo)
0.00	180	1.00
0.10	174	0.99
0.20	169	0.97
0.30	163	0.96
0.40	157	0.94
0.50	151	0.93
0.60	145	0.91
0.70	139	0.89
0.80	133	0.87
0.90	127	0.85
1.00	120	0.82
1.10	113	0.80
1.20	106	0.77
1.30	99	0.73
1.40	91	0.70
1.50	83	0.65

Table 3. Arc of Contract Correction Factor (Fo)

$$\text{Arc of Contact (degree)} = 180 - \frac{60 (D_p - d_p)}{C}$$

D<sub>p</sub> : Pitch diameter of large pulley (mm)

d<sub>p</sub> : Pitch diameter of small pulley (mm)

C : Center distance (mm)

---

## ix. Length Correction Factor

---

For belts shorter or longer than average length determine the length correction factor (FL) from Table 4. Length Correction Factors (FL)

CORRECTION FACTORS FOR BELT PITCH LENGTH												
FACTOR	BELTS DISCRIPTION											
	A	B	C	D	E	SPZ	SPA	SPB	SPC	3V	5V	8V
0.80	630											
0.81		930										
0.82	700		1560	2740			800					
0.83		1000				630				630		
0.84	790		1760				900					
0.85		1100				710		1260		710	1260	
0.86	890			3130			1000		2000			
0.87		1210	1950	3330		800		1410		800	1410	2540
0.88	990						1120		2240			
0.89						900		1590		900	1590	3000
0.90	1100	1370	2190	3730	4660		1250		2500			
0.91			2340					1800	2800		1800	3350
0.92		1560	2490	4080	5040	1010	1400			1010		
0.93	1250							2020	3150		2020	
0.94			2720	4620	5420	1140	1600			1140		4060
0.95		1760	2800					2280	3550		2280	
0.96	1430		3080		6100	1270	1800	2530		1270	2530	
0.97		1950		5400					4000			5080
0.98	1550		3310			1420	2000	2840	4500	1420	2840	
0.99	1640	2180	3520		6850							6000
1.00	1750	2300		6100		1600	2240	3170	5000	1600	3170	
1.01												
1.02	1940	2500	4060		7650	1800	2500	3550	5600	1800	3550	7100
1.03				6840					6300			8000
1.04	2050	2700				2030	2800	4060		2030	4060	
1.05	2200	2850	4600	7620	9150				7100			9000
1.06	2300					2280	3150	4560		2280	4560	
1.07				8410	9950				8000			10160
1.08	2480	3200	5380			2540	3550	5070		2540	5070	
1.09	2570			9140	10710				9000			11430
1.10	2700	3600				2840	4000	5680	10000	2840	5680	12700
1.11			6100					6340			6340	
1.12	2910			10700	12230	3170	4500		11200	3170		
1.13	3080	4060						7100			7100	
1.14	3290		6860		13750				12500			
1.15		4430				3550		7990		3550	7990	
1.16	3540	4820	7600	12200								
1.17		5000		13700	15280							
1.18		5370										
1.19		6070		15200	16800							
1.20			9100									

Table 4. Length Correction Factors (FL)

#### Number of belts

The number of belts required for an application is obtained by dividing the design horsepower by the corrected horsepower rating for one belt.

$$\text{Number of belts} = \frac{P_d}{P_r \times F_o \times F_L}$$

## SELECTION METHOD FOR ENDURA HI-TECH V BELTS

The procedure for selection of v belts is as follows:

### Drive design example of V belts

- Driver: 7.5HP (5.5Kw) motor, 1750 r.p.m.
- Machine: Light duty compressor 970 r.p.m.
- Operating hours: 24 hours per day
- Centre distance: Approx. 500mm.

Step	Procedures	Conclusions
1	Service factor $F_s$ Service factor describe the severity of drive condition. Refer to table 2 on page for service factor	1.2
2	Calculate the design horse power $P_d$  Multiply drive power and service factor $F_s$ to get the design horse power $P_d = P_r \times F_s$ Where $P_r$ = Rated horse power = 7.5 HP $F_s$ = Service factor	$P_d = 5.5 \times 1.2 = 6.6 \text{ KW}$
3	Belt cross section Select the proper V belt section from table	Belt section – A
4	Find the speed ratio $R_s$ Speed ratio ( $R_s$ ) = $\frac{\text{r.p.m. of faster shaft}}{\text{r.p.m. of slower shaft}}$	$R = \frac{1750}{970} = 1.8$
5	Choose the minimum pulley diameter Refer table 1 to choose minimum pulley Diameter	$d_p = 71 \text{ mm}$
6	Calculate the pitch diameter of large pulley $D_p = R_s \times d_p$ Where $D_p$ = pitch diameter of large pulley $d_p$ = pitch diameter of small pulley	$D_p = 1.8 \times 71 = 127.8 \text{ mm}$
7	Determine the V belt length ( Fig 5) $L_p = 2C + 1.57(D_p + d_p) + \frac{(D_p - d_p)^2}{4C}$ Where $L_p$ = Effective pitch length $C$ = Centre distance	$L_p = 2 \times 500 + 1.57(127.8 + 71) + \frac{(127.8 - 71)^2}{4 \times 500}$ $= 1331.87 \text{ mm}$ select the nearest standard belt length $= 1331 \text{ ( A 51 ) from table}$
8	Calculate the exact center distance of the Pulley after the belt length has been Determined. $C = \frac{b + \sqrt{b^2 - 2(D_p - d_p)^2}}{4}$ $b = L_p - 1.57(D_p + d_p)$	$b = 1331 - 1.57(127.8 + 71) = 1018.88 \text{ mm}$ $C = 1018.88 \frac{+ \sqrt{(1018.88)^2 - 2(127.8 - 71)^2}}{4}$ $= 508.6 \text{ mm}$
9	Determine the power per belt  Rated Horse power per belt ( $P_r$ ) = Basic HP + Additional HP	$P_r = 0.90 + 0.31 = 1.21 \text{ KW}$
10	Determine the arc of contact correction Factor ( $F_o$ ) from table	$F_o = 0.99$



Step	Procedures	Conclusions
11	Determine the length correction factor ( $F_L$ ) from table	$F_L = 0.94$
12	Calculate the number of belts required $\text{Number of belts} = \frac{P_d}{P_r \times F_o \times F_L}$	$\text{Number of belts} = \frac{6.6}{1.21 \times 0.99 \times 0.94}$ $= 5.86$ $\approx 6 \text{ belts}$
13	Summaries the V belt drive design	1. Pitch Diameter of small pulley : 71mm 2. Pitch diameter of large pulley : 127.8mm 3. Center Distance : 508.6mm 4. Belt Section to be used : A 5. Belt Size to be used : 51 5. Number of belts to be used : 6 pcs.

## TYPICAL FAILURES OF V-BELTS AND THEIR REASONS

### i. Premature Belts Failure

Observation	Causes of Failure	Correction
Broken belts	1-Under-designed drive 2-Belt rolled or pried onto pulley. 3-Object falling into drive 4-Severe Shock load	1-Redesign 2-Use drive take-up when installing 3-Provide adequate guard or drive protection 4-Redesign to accommodate shock load.
Belts fail to Carry load, no visible reason	1-Underdesigned drive 2-Damaged tensile member 3-Worn pulley grooves 4-Center distance movement	1-Redesign 2-Follow correct installation procedure 3-Check for groove, wear: replace as needed. 4-Check drive for center distance movement during operation.
Edge Cord failure	1-Pulley misalignment 2-Damaged tensile member	1-Check alignment and correct. 2-Follow correct installation procedure.
Belt de-lamination or under cord separation	1-Too small pulley dia 2-Use of too small backside idler	1-Check drive design, replace with large pulley. 2-Increase backside idler to acceptable diameter

## ii. Abnormal V – Belt Wear

Observation	Causes of Failure	Correction
Wear on the top surface of the belt	1-Rubbing against guard 2-Idler malfunction	1-Replace or repair guard. 2-Check & Replace idler if needed.
Wear on top corner of belt	1-Belt-to-pulley fit incorrect(belt too small for groove)	1-Use correct belt-to-pulley combination.
Wear on belt sidewalls	1-Belt Slip 2-Misalignment 3-Worn pulley 4-Incorrect belt	1-Retention until slipping stops 2-Realign pulley 3-Replace pulley 4-Replace with correct belt size
Wear on bottom corner of belt	1-Belt-to-pulley fit incorrect 2-Worn pulley	1-Use correct belt-to-pulley combination 2-Replace pulley
Wear on bottom surface of belt	1-Belt bottoming on sheave groove 2-Worn pulley 3-Debris in pulley	1-Use correct belt/sheave match 2-Replace pulley. 3-Clean pulley
Undercord Cracking	1-Sheave diameter too small 2-Belt slip 3-Backside idler too small 4-Improper storage	1-Use larger diameter pulley 2-Retention 3-Use Larger diameter backside idler. 4-Don't coil belt too tightly, kink or bend. Avoid heat and direct sunlight.
Undercord or sidewall burn or hardening	1-Belt slipping 2-Worn pulley 3-Underdesigned drive 4-Shaft movement	1-Retension until slipping stops 2-Replace pulley. 3-Refer the drive manual. 4-Check for center distance changes.
Belt surface hard or stiff Belt surface flaking, sticky or swollen	1-Hot drive environment 1-Oil or chemical contamination	1-Improve ventilation to drive. 1-Do not use belt dressing. eliminate sources of oil, grease or chemical contamination.

## iii. Belts Turn Over or Come off Drive

Observation	Causes of Failure	Correction
Involves single or multiple belts	1- Shock loading or vibration 2- Foreign material in grooves 3- Misaligned pulley 4- Worn sheave grooves 5- Damaged tensile member  6- ncorrectly placed flat idler  7- Mismatched belt set  8- oor drive design	1- Check drive design 2- Shield grooves and drive. 3- Realign the pulley 4- Replace pulley 5- Adopt correct installation and belt storage procedure 6- Carefully align flat idler on slack side of drive as close as possible to driver pulley. 7- Replace with new set of matched belts. Do not mix old and new belts. 8- Check for center distance stability and vibration dampening.

#### iv. Belt Stretches beyond Available Take-up

Observation	Causes of Failure	Correction
Multiple belts stretch unequally	1-Misaligned drive 2-Debris in pulley 3-Broken tensile member or cord damaged 4-Mismatched belt set. 5-Variation in the pulley grooves.	1-Align and retention drive. 2-Clean pulley. 3-Replace all belts, install properly. 4-Install matched belt set. 5-Replace pulley.
Single belt, or where all belts stretch evenly	1-Insufficient take-up allowance 2-Grossly overloaded or under designed drive 3-Broken tensile members	1-Check take-up 2-Redesign drive  3-Replace belt, install properly

#### v. Belt Noise

Observation	Causes of Failure	Correction
Belt squeals or chirps	1-Belt slip 2-Contamination	1-Retension 2-Clean belts and pulley
Slapping Sound	1-loose belts 2-Mismatched set 3-Misalignment	1-Retension 2-Install matched belt set. 3-Align pulleys so all belts share load equally.
Rubbing sound	1-Guard interference	1-Repair, replace or redesign guard
Grinding sound	1-Damaged bearings	1-Replace, align & lubricate
Unusually load drive	1-Incorrect belt  2-Incorrect Tension 3-Worn pulley 4-Debris in pulley	1-Use correct belt size. Use correct belt tooth profile for sprockets on synchronous drive. 2-Check tension and adjust 3-Replace pulley 4-Clean pulley, improve shielding, remove rust, paint, or remove dirt from grooves.

#### vi. Unusual Vibration

Observation	Causes of Failure	Correction
Belts flopping	1-Loose belts (under tensioned) 2-Mismatched belts 3-Pulley misalignment	1-Retension 2-Install new matched set 3-Align pulley
Unusual or excessive vibration	1-Incorrect belt  2-Poor machine or equipment design  3-Pulley out of round 4-Loose drive components	1-Use correct belt cross SECTION in pulley. Use correct tooth profile and pitch in sprocket. 2-Check Structure and brackets for adequate strength. 3-Replace with non-defective pulley. 4-Check machine components and guards, motor mounts, motor pads, bushings, brackets and framework for stability adequate design strength, proper maintenance and proper installation

### vii. Problems with pulley

Observation	Causes of Failure	Correction
1-Broken or damaged pulley	1-Incorrect sheave installation 2-Foreign objects falling into drive 3-Excessive rim speeds 4-Incorrect belt installation	1-Do not tighten busing bolts beyond recommended torque values. 2-Use adequate drive guard  3-Keep pulley rim speed below than maximum recommended value. 4-Do not pry belts onto pulleys
2-Severe Groove Wear	1-Excessive belt tension 2-Sand, debris or contamination 3-Wrong belt	1-Retension, Check drive design. 2-Clean and shield drive as well as possible. 3-Make sure belt and sheave combination is correct.

### viii. Problem with other Drive Components

Observation	Causes of Failure	Correction
1-Bent or broken shaft	1-Extreme belt over tension 2-Overdesigned drive  3-Accidental damage 4-Machine design error 5-Accidental damage to guard or poor guard design 6-Pulley mounted too far away from outboard bearing	1-Retension 2-Check drive design , may need to use smaller or fewer belts 3-Redesign drive guard 4-Check machine design 5-Repair,redesign for durability  6-Move pulley closer to bearing.

### ix. Hot Bearings

Observation	Causes of Failure	Correction
Drive needs over tensioning	1-Worn grooves-belts bottoming and won't transmit power until over tensioned 2-Improper tension	1-Replace pulley. Tension drive properly.  2-Retension
Sheaves too small	1-Motor manufacturer's sheave diameter recommendation not followed	1-Redesign using drive manual.
Poor bearing condition	1-Bearing under designed 2-Bearing not properly maintained / Improper fitment	1-Check bearing design 2-Align and lubricate bearing
Sheaves too far out on shaft	1-Error on Obstruction problem	1-Place pulley as close as possible to bearings. Remove obstructions.
Belt slippage	1-Drive under tensioned 2-Over Size	1-Retension 2-Select the right Size

### x. Performance Problems

Observation	Causes of Failure	Correction
Incorrect driven Speed	1-Design error 2-Belt slip	1-Use correct driver /driven sheave size for desired speed ratio 2-Retension driver

## TYPES OF FAILURE - BANDED BELTS

Observation	Causes of Failure	Correction
Tie band separating	1-Worn pulley 2-Wrong pitch (e) dimension of pulley grooves.	1-Check Sheave grooves & replace with std. groove pulley 2-Use standard pitch dimension of pulley.
One stand riding outside the sheave groove	Possible misalignment, lack of tension or foreign object forcing the belt off from sheave groove	Align the drive properly, re-tension and remove any interference from foreign object.
Outside belt and adjacent to it have started to separate	1-belt has jumped one groove forcing outside belt off the sheave 2-Improper tension or misalignment or foreign object 3-Wrong pitch (e) dim. of pulley grooves	1-Replace the belt and set it properly in aligned grooves. 2-Tension properly & align the band 3-Use standard pitch dimension of pulley
All belts separated from the band	1-Riding outside and above sheave grooves 2-Too loose contact	1-Proper maintenance of drives & installation of belts 2-Adjust shielding
Top tie band frayed or damaged	1-Obstructions interfering with normal operation of the belt.	1-Re-align the drive & remove obstructions.
Crack at the bottom of the belts	1-Belt slipping	1-Check belt tension



## INSTALLATION

### 1 CLEAN PULLEYS

Use a stiff brush to remove rust and dirt. Use a soft cloth to wipe off oil and grease. Select the proper pulley groove gauge and template for the sheave diameter. Insert the gauge in the groove and look for voids that indicate dishing or other uneven and abnormal wear.

Check pulleys for rust and wear, Wipe clean of oil and grease. Take pulleys off machines, do not clean while running.



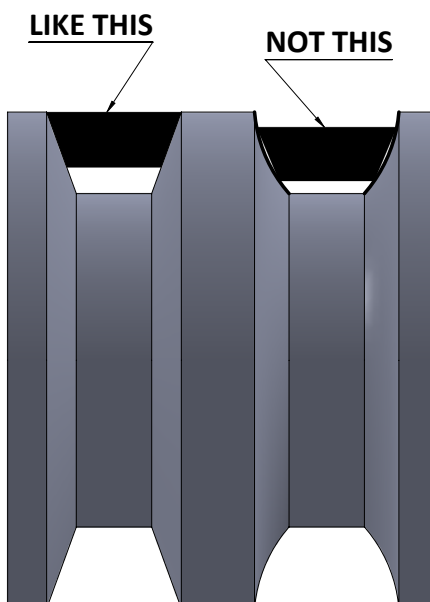
### 2 INSPECT PULLEYS FOR WEAR

The following sections outline installation procedures that will ensure maximum life and performance for your Endura Hi tech V-Belts. Check pulleys for cleanliness, damage, and wear whether you are replacing an existing belt, performing routine maintenance, or installing a new drive.

**NOTE- Disconnect power supply to the machine before removing or installing pulleys or belts.**

**NOTE -Do not reinstall damaged or worn sheaves on equipment.**

An alternative method for checking for pulley groove wear is to place a new belt in the pulley groove. Note that the top of the belt should be flush with or slightly above the outer diameter of the pulley. Remember that if the belt top is below the pulley's outer diameter, the groove is worn.



Worn pulleys will substantially reduce belt life. If the grooves are worn, the belt will bottom out. This will result in slippage and the belts may char or burn. If the sidewalls are dished out, the bottom shoulder of the pulley will wear the bottom corner of the belt thus causing premature failure. Please use the Endura Hi-tech pulley groove gauge.

### 3 INSTALL HARDWARE

Always remember to select the correct pulley. Then, after you make the correct selection, be sure to install the pulley correctly. Before performing any installation, follow correct lockout procedures to prevent any accidents.

**IMPORTANT: Disconnect power supply to machine before doing ANY work**

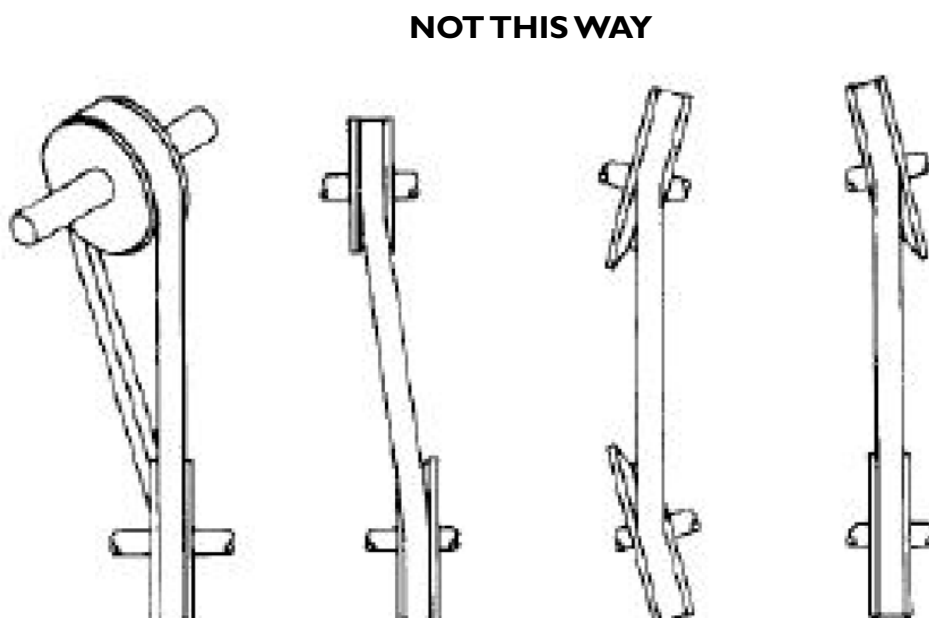
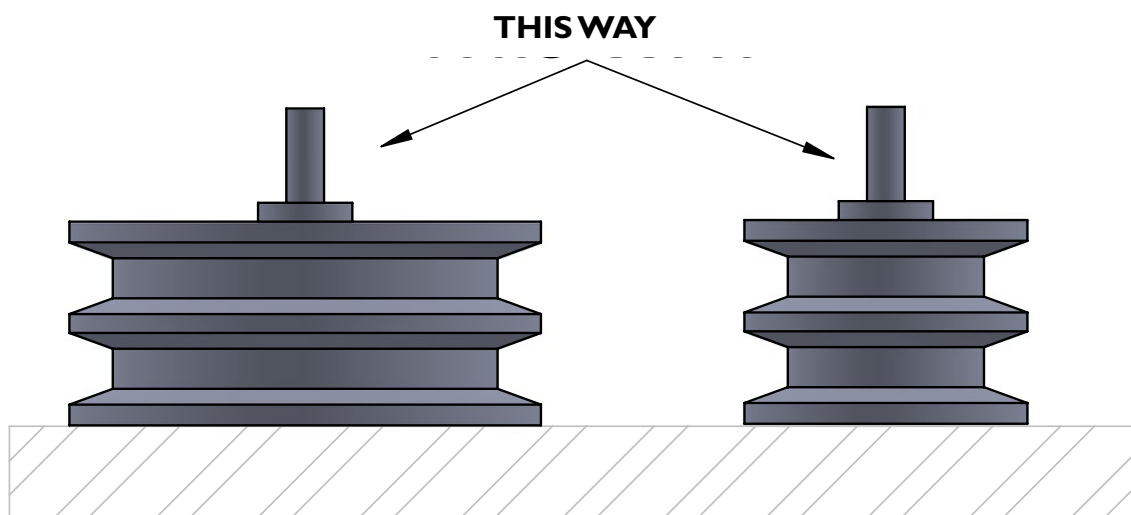
### 4 CHECKING ALIGNMENT

Proper alignment is essential for long V-belt life. Check belt alignment whenever you maintain or replace belts or whenever you remove or install pulley. The illustration above shows the correct way to check alignment between two pulleys with a straight edge. Check both front and back alignment. Straight edge should touch pulleys at the four points indicated.

Non-parallel shafts or sheaves not aligned axially can cause angular misalignment.

Proper alignment is essential to maintain long belt and pulley life.

Pulley misalignment should not exceed 0.10mm per 10 mm of span for satisfactory service.





## 5 LASER ALIGNMENT TOOL

Laser Alignment Tool provides an alternative to checking alignment with a straight edge. Each laser alignment tool comes with a rugged carrying case and detailed instructions to get you started with the quickest, easiest, and most versatile alignment tool on the market today.

## 6 IDENTIFY CORRECT BELT

Always select belts to match pulley grooves. Use a pulley groove gauge to determine the proper belt cross section. (Fig A).

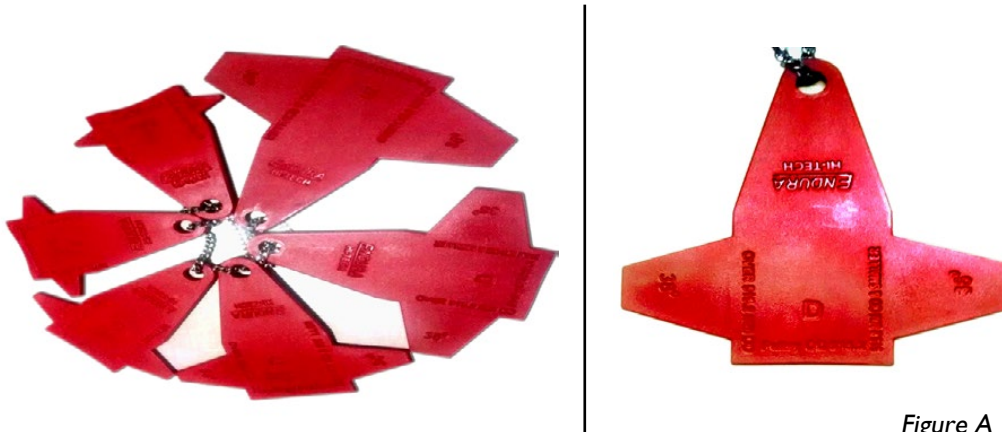


Figure A

Use Endura Hi-Tech belt gauge to verify the old belt cross section when belt identification is no longer legible. (Fig. B).



Figure B

## 7 MATCHING OF BELTS

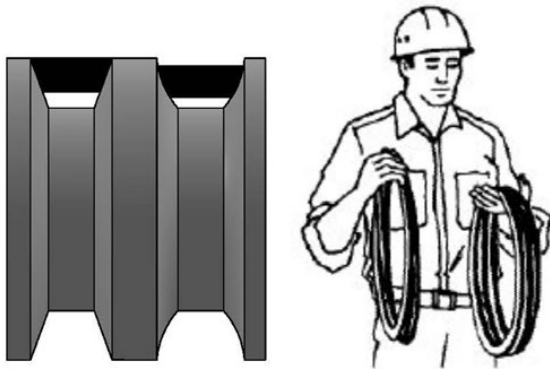
**When using multiple grooved pulleys, be sure that all of the belts are the same brand. Always replace complete sets of V-Belts even if only one is worn or damaged.**

MAKES/BRANDS/TYPES NEW AND USED

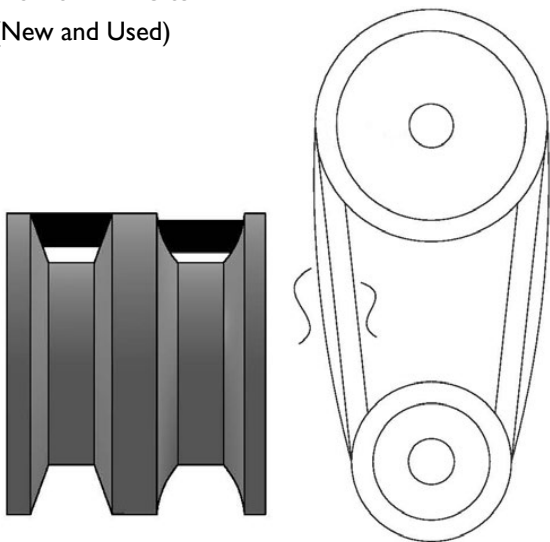
Do **NOT** Do It!

- **Don't Mix Belt Makes or Brands**
- **Don't Mix Belt Constructions**  
(Raw edge moulded cog/envelope)

Belt brands should not be mixed due to the difference in performance characteristics. All Endura Hi-Tech belts of same type and with same brand name/color and size reference (datum) are match able and no selection of suitable belts for multiple application is necessary.



- **Don't Mix Belts**  
(New and Used)

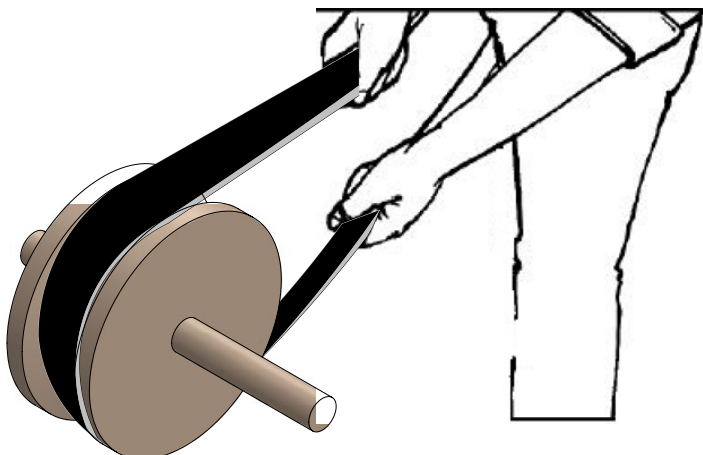


The new belts will be overloaded. Always replace used belts with a complete new set of belts. Never install a new or used belt as a replacement for a unit of a matched set or you will substantially reduce drive life.

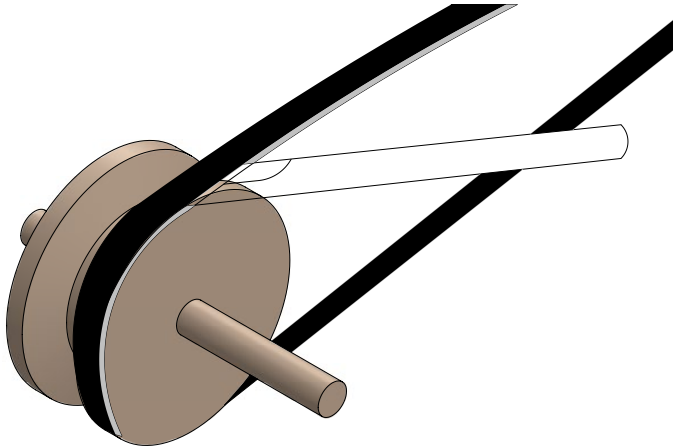
## 8 INSTALLING BELTS

After you correctly install and align the pulleys, you can install the belts. Always move the drive unit so you can easily slip the belts into the grooves without force.

**NOTE**-Shut off and lock out the source of power to the motor prior to changing belts.



Never force belts into a pulley with a tool such as a screwdriver or a wedge. Doing so may rupture the envelop fabric or break the cords. (A belt so fitted will invariably turn over in its pulley groove).



## 9 CENTRE DISTANCE ALLOWANCES FOR BELT INSTALLATION AND TAKE UP

After calculating a center distance from a standard pitch length make provision that the centers can be moved closer together by the amount shown in the following table to facilitate installing the belts without injury. Also, the centers should be adjustable over the calculated distance by an amount as shown in the last column of the table because of manufacturing tolerance and possible strength and wear of belt.

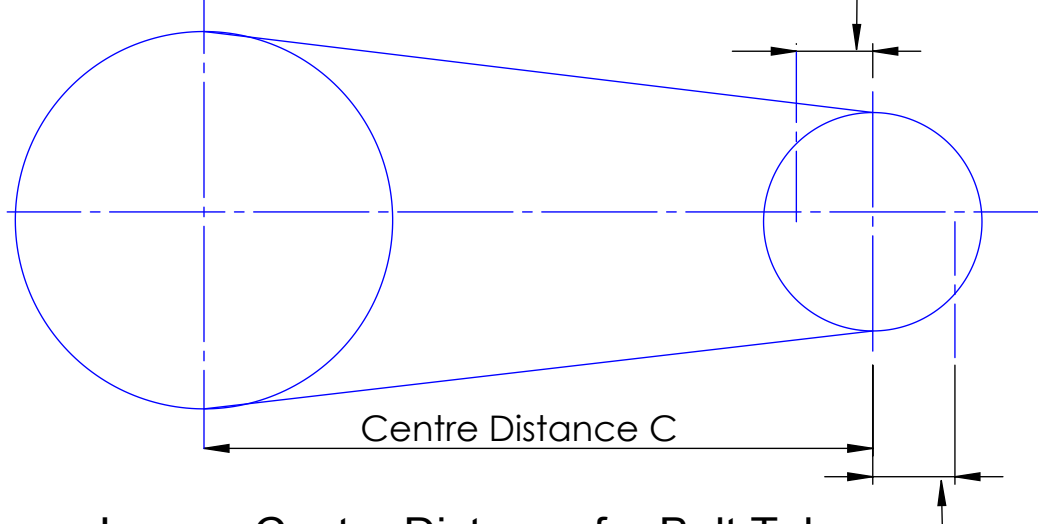
**Slack-off**-lower limiting value (for belt installation):

Nominal center distance minus 1.5% of datum length of belt.

**Take-up**-higher limiting value:

Nominal center distance plus 3% of datum length of belt.

### Shorter Centre Distance for Belt installation



### Longer Centre Distance for Belt Take up

**NOTE:** Proving that the drive was designed correctly as per paragraph '6' above and that any adjusting slides and pivots are maintained, then there should be no problem fitting correct length belts.



## MAINTENANCE

Belt drives are a reliable and efficient means of power transmission. Since they are essentially trouble-free, they are ignored often and do not receive the minimal attention they require for the full delivery of benefits over the course of a long life of use.

Belt drive maintenance is neither complicated nor does it require a great deal of time or a large variety of special tools. Primarily, good maintenance requires that you look at and listen to the drive to discover and correct any problems.

The following maintenance and troubleshooting pointers provide information to help you establish an effective belt drive maintenance programme.

### WHAT TO LOOK FOR:

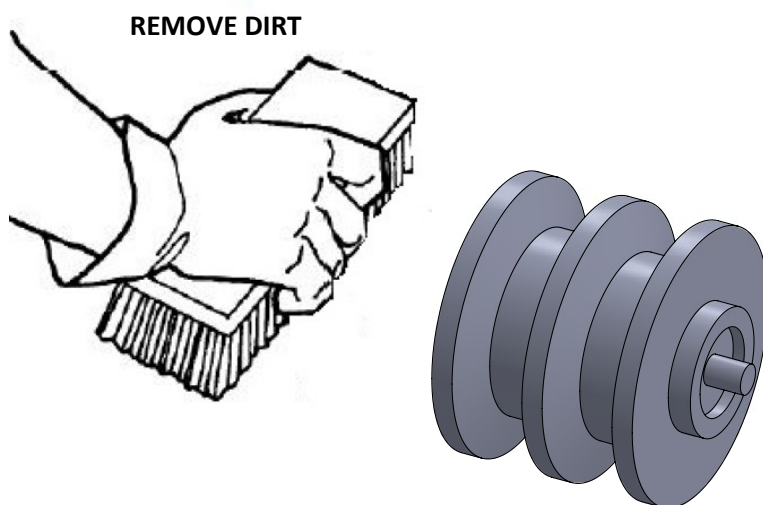
#### i. Oil and Grease

Belts exposed to oil in spray, liquid or paste form fail prematurely. A drive should be well “policed”. Leaky bearings should be repaired immediately. Excess oil on a bearing will splash on the belts. If these conditions cannot be corrected special oil-resistant belts should be used. Too little oil cause bearing failure which, in many causes, is blamed on the belts. This condition causes belts to burn out due to overload

Police a drive well. Immediately repair leaky bearings as excess oil on a bearing will splash on the belts. If you cannot correct these conditions without sacrificing adequate lubrication, use oil-resistant belts as too little lubrication will cause bearing failure, which may also cause belt failure when drag becomes excessive.

#### ii. Dirt

No equipment operates best when it is dirty. Belts are no exception. Dirt accelerates belt wear and dirt build-up in a V-belt sheave groove impairs traction.



#### iii. Added Loads

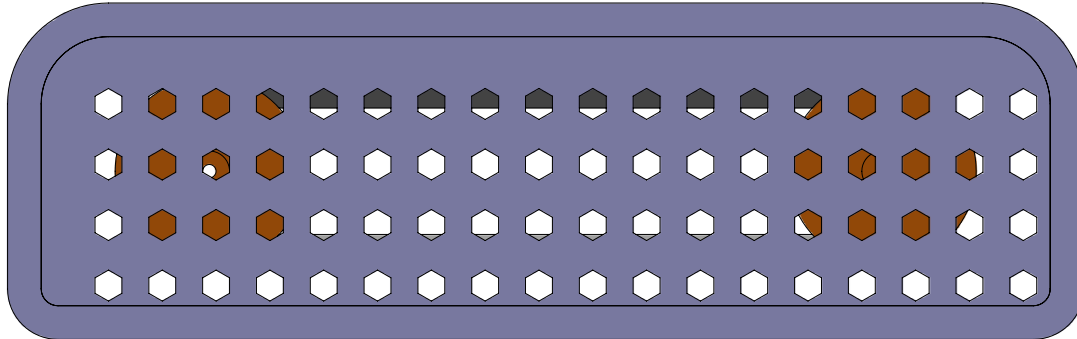
Added loads shorten belt life. A check should be made to see that no additional loads have been added since the original drive was selected. Take note of the drive system shown in the following illustration.

---

#### iv. Belt Guards

---

Guards for drives ensure safety and cleanliness. Screened meshed or grilled guards are most satisfactory because they allow air to circulate and heat to escape.



**NOTE-** Openings are to be no larger than 12mm (Human fingers must be unable to be pushed through the mesh).

Belt guards ENSURE that large debris doesn't enter the drive.

---

#### v. Cracking

---

Bottom cracking will not reduce the tensile strength or the operating efficiency of the belt. High temperatures, small diameter pulleys and dust will accelerate bottom cracks. It is not necessary to replace a belt simply because bottom cracking has been observed. Reduce bottom cracking by using larger sheaves and larger reverse bend idler sheaves. However, tooth cracking on synchronous belts is an early indicator of tooth shear, and therefore, the belt should be replaced. See troubleshooting charts for corrective action.

---

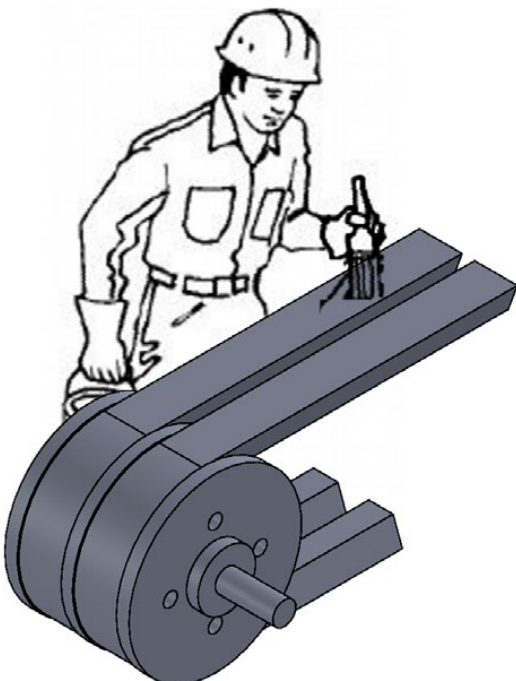
#### vi. Belt Dressing

---

Belt dressing is seldom beneficial to belt drives. This TACKINESS actually accelerates the time to failure of V-belts. If V-belts slip or squeak, identify and correct the problem. Never use belt dressing on synchronous belts.

Do Not use Belt dressing of Any Kind under Any Circumstances.

If increasing belt tension fails to eliminate slip/squeal replace Belts and/ or Pulleys.



---

#### **vii. Vibration**

---

Excessive vibration should be minimized. This is often due to low tension or damaged tensile member. In extreme cases, a back side kiss idler may need to be added in the vibrating span

---

#### **viii. Tension**

---

Tension is critical in belt drives. For V-belts the ideal tension is the lowest tension at which the belt will not slip under peak load conditions. For synchronous belts, under-tensioning leads to ratcheting and excessive tooth loading. Adjust tension to the values shown in the tables provided in this Guide. See section on "Installation" for the type of belt involved for additional information.

---

#### **ix. Heat**

---

All belts are cured in a scientifically controlled time and temperature process. Belts operating in temperatures of less than 70C are not materially affected: however, at higher temperatures over curing takes place and shortens belt life. Belts operating in temperatures above 70C should be checked frequently and a special heat-resistant construction should be considered if belt life is not satisfactory.

High temperatures cause heat-aging and shorten belt life. Check frequently belts operating in temperatures above 140 degrees F and consider special heat-resistant construction if belt life is not satisfactory.

---

#### **x. Belt Guards**

---

Turned over belts indicate conditions of drive mis-alignment, worn pulleys or excessive vibration.

Turned over V-belts indicate drive misalignment, worn sheaves or excessive vibration.

---

#### **xi. Change in Ride Out**

---

Ride out is the position of the top of the V-belt to the Outside Diameter of the sheave. A change in ride out over time indicates uneven belt wear or worn sheaves.

---

#### **xii. Lateral Vibration**

---

Don't allow belts to snake.

---

#### **xiii. Belt Wear**

---

Wear on V-belt sidewalls indicates consistent slippage, excessive dust, or rough sheaves. Tooth wear on synchronous belts is an indication of improper tooth meshing. See trouble guide for possible causes and corrections.

---

#### **xiv. Debris**

---

Broken belts or excessive vibration can result from the presence of foreign material on the belts or in the sheaves or sprockets.

---

#### **xv. Foreign Matter**

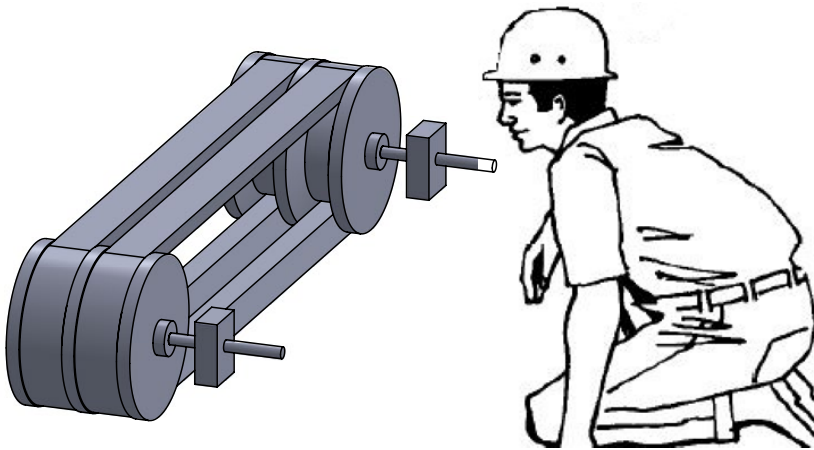
---

Broken belts or excessive wear can result from presence of foreign material.

## WHAT TO LISTEN FOR:

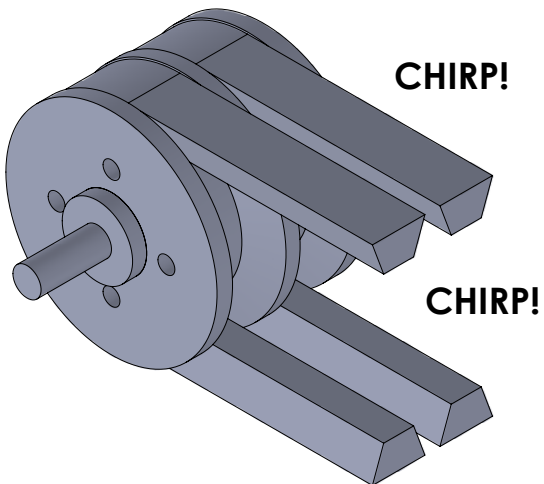
### i. Squeal

This noise occurs during motor acceleration or when the motor is operating near or at full load. It is a definite indication of belt slippage and requires prompt investigation. Squeal usually is a result of insufficient belt tension. If it persists after all belts have been checked and tension adjusted, the drive itself should be examined for over-loading.



### ii. Squeak

This sound is like that of a chirping bird or a dry bearing. It occurs on all types and all makes of belts. Dust is often a contributing factor. Never apply dressing or oil to a belt in an effort to eliminate squeak. Re-alignment of an idler may help. Squeak is often annoying but it will not harm belts.





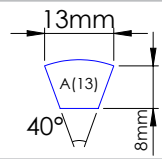




# ENDURA HI-TECH 'CORE' CLASSICAL V BELTS

TABLE 1A

## Classical Section:A



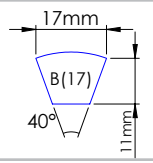
**Top Width:** 13.0 mm; **Thickness:** 8.0 mm; **Angle:** 40  
**Standard:** BS 3790, IS 2494, ISO 4184, DIN 2215, JISK6323, IP20  
**Ambient Temperature Range:** + 80 C to -18 C  
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length
A19	483	519	A55	1397	1433	A91	2311	2347	A140	3556	3592
A20	508	544	A56	1422	1458	A92	2337	2373	A144	3658	3694
A21	533	569	A57	1448	1484	A93	2362	2398	A146	3708	3744
A22	559	595	A58	1473	1509	A94	2388	2424	A150	3810	3846
A23	584	620	A59	1499	1535	A95	2413	2449	A152	3861	3897
A24	610	646	A60	1524	1560	A96	2438	2474	A156	3962	3998
A25	635	671	A61	1549	1585	A97	2464	2500	A158	4013	4049
A26	660	696	A62	1575	1611	A98	2489	2525	A160	4064	4100
A27	686	722	A63	1600	1636	A99	2515	2551	A165	4191	4227
A28	711	747	A64	1626	1662	A100	2540	2576	A168	4267	4303
A29	737	773	A65	1651	1687	A101	2565	2601	A170	4318	4354
A30	762	798	A66	1676	1712	A102	2591	2627	A172	4369	4405
A31	787	823	A67	1702	1738	A103	2616	2652	A173	4394	4430
A32	813	849	A68	1727	1763	A104	2642	2678	A175	4445	4481
A33	838	874	A69	1753	1789	A105	2667	2703	A178	4521	4557
A34	864	900	A70	1778	1814	A106	2692	2728	A180	4572	4608
A35	889	925	A71	1803	1839	A107	2718	2754	A182	4623	4659
A36	914	950	A72	1829	1865	A108	2743	2779	A185	4699	4735
A37	940	976	A73	1854	1890	A110	2794	2830	A190	4826	4862
A38	965	1001	A74	1880	1916	A112	2845	2881	A192	4877	4913
A39	991	1027	A75	1905	1941	A113	2870	2906	A195	4953	4989
A40	1016	1052	A76	1930	1966	A114	2896	2932	A200	5080	5116
A41	1041	1077	A77	1956	1992	A115	2921	2957	A205	5207	5243
A42	1067	1103	A78	1981	2017	A116	2946	2982			
A43	1092	1128	A79	2007	2043	A118	2997	3033			
A44	1118	1154	A80	2032	2068	A120	3048	3084			
A45	1143	1179	A81	2057	2093	A122	3099	3135			
A46	1168	1204	A82	2083	2119	A124	3150	3186			
A47	1194	1230	A83	2108	2144	A125	3175	3211			
A48	1219	1255	A84	2134	2170	A126	3200	3236			
A49	1245	1281	A85	2159	2195	A128	3251	3287			
A50	1270	1306	A86	2184	2220	A130	3302	3338			
A51	1295	1331	A87	2210	2246	A132	3353	3389			
A52	1321	1357	A88	2235	2271	A134	3404	3440			
A53	1346	1382	A89	2261	2297	A136	3454	3490			
A54	1372	1408	A90	2286	2322	A138	3505	3541			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 1B

## Classical Section:B



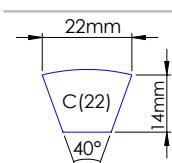
**Top Width:** 13.0 mm; **Thickness:** 8.0 mm; **Angle:** 40  
**Standard:** BS 3790, IS 2494, ISO 4184, DIN 2215, JISK6323, IP20  
**Ambient Temperature Range:** + 80 C to -18 C  
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length
B22	559	602	B58	1473	1516	B94	2388	2431	B130	3302	3345	B190	4826	4869
B23	584	627	B59	1499	1542	B95	2413	2456	B132	3353	3396	B195	4953	4996
B24	610	653	B60	1524	1567	B96	2438	2481	B134	3404	3447	B200	5080	5123
B25	635	678	B61	1549	1592	B97	2464	2507	B135	3429	3472	B204	5182	5225
B26	660	703	B62	1575	1618	B98	2489	2532	B136	3454	3497	B205	5207	5250
B27	686	729	B63	1600	1643	B99	2515	2558	B138	3505	3548	B210	5334	5377
B28	711	754	B64	1626	1669	B100	2540	2583	B140	3556	3599	B225	5715	5758
B29	737	780	B65	1651	1694	B101	2565	2608	B142	3607	3650	B238	6045	6088
B30	762	805	B66	1676	1719	B102	2591	2634	B144	3658	3701	B250	6350	6393
B31	787	830	B67	1702	1745	B103	2616	2659	B145	3683	3726	B260	6604	6647
B32	813	856	B68	1727	1770	B104	2642	2685	B146	3708	3751	B275	6985	7028
B33	838	881	B69	1753	1796	B105	2667	2710	B148	3759	3802	B300	7620	7663
B34	864	907	B70	1778	1821	B106	2692	2735	B150	3810	3853	B310	7874	7917
B35	889	932	B71	1803	1846	B107	2718	2761	B152	3861	3904	B440	11176	11219
B36	914	957	B72	1829	1872	B108	2743	2786	B154	3912	3955			
B37	940	983	B73	1854	1897	B109	2769	2812	B155	3937	3980			
B38	965	1008	B74	1880	1923	B110	2794	2837	B156	3962	4005			
B39	991	1034	B75	1905	1948	B111	2819	2862	B158	4013	4056			
B40	1016	1059	B76	1930	1973	B112	2845	2888	B160	4064	4107			
B41	1041	1084	B77	1956	1999	B113	2870	2913	B162	4115	4158			
B42	1067	1110	B78	1981	2024	B114	2896	2939	B164	4166	4209			
B43	1092	1135	B79	2007	2050	B115	2921	2964	B165	4191	4234			
B44	1118	1161	B80	2032	2075	B116	2946	2989	B166	4216	4259			
B45	1143	1186	B81	2057	2100	B117	2972	3015	B168	4267	4310			
B46	1168	1211	B82	2083	2126	B118	2997	3040	B169	4293	4336			
B47	1194	1237	B83	2108	2151	B119	3023	3066	B170	4318	4361			
B48	1219	1262	B84	2134	2177	B120	3048	3091	B172	4369	4412			
B49	1245	1288	B85	2159	2202	B121	3073	3116	B173	4394	4437			
B50	1270	1313	B86	2184	2227	B122	3099	3142	B175	4445	4488			
B51	1295	1338	B87	2210	2253	B123	3124	3167	B176	4470	4513			
B52	1321	1364	B88	2235	2278	B124	3150	3193	B178	4521	4564			
B53	1346	1389	B89	2261	2304	B125	3175	3218	B180	4572	4615			
B54	1372	1415	B90	2286	2329	B126	3200	3243	B182	4623	4666			
B55	1397	1440	B91	2311	2354	B127	3226	3269	B184	4674	4717			
B56	1422	1465	B92	2337	2380	B128	3251	3294	B185	4699	4742			
B57	1448	1491	B93	2362	2405	B129	3277	3320	B188	4775	4818			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 1C

## Classical Section:C



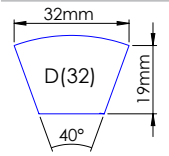
**Top Width:** 22.0 mm; **Thickness:** 14.0 mm; **Angle:** 40  
**Standard:** BS 3790, IS 2494, ISO 4184, DIN 2215, JISK6323, IP20  
**Ambient Temperature Range:** + 80 C to -18 C  
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length
C36	914	970	C72	1829	1885	C108	2743	2799	C146	3708	3764	C218	5537	5593
C37	940	996	C73	1854	1910	C109	2769	2825	C148	3759	3815	C220	5588	5644
C38	965	1021	C74	1880	1936	C110	2794	2850	C150	3810	3866	C225	5715	5771
C39	991	1047	C75	1905	1961	C111	2819	2875	C152	3861	3917	C228	5791	5847
C40	1016	1072	C76	1930	1986	C112	2845	2901	C154	3912	3968	C230	5842	5898
C41	1041	1097	C77	1956	2012	C113	2870	2926	C155	3937	3993	C235	5969	6025
C42	1067	1123	C78	1981	2037	C114	2896	2952	C156	3962	4018	C238	6045	6101
C43	1092	1148	C79	2007	2063	C115	2921	2977	C158	4013	4069	C240	6096	6152
C44	1118	1174	C80	2032	2088	C116	2946	3002	C160	4064	4120	C245	6223	6279
C45	1143	1199	C81	2057	2113	C117	2972	3028	C162	4115	4171	C248	6299	6355
C46	1168	1224	C82	2083	2139	C118	2997	3053	C164	4166	4222	C250	6350	6406
C47	1194	1250	C83	2108	2164	C119	3023	3079	C165	4191	4247	C255	6477	6533
C48	1219	1275	C84	2134	2190	C120	3048	3104	C166	4216	4272	C260	6604	6660
C49	1245	1301	C85	2159	2215	C121	3073	3129	C168	4267	4323	C268	6807	6863
C50	1270	1326	C86	2184	2240	C122	3099	3155	C169	4293	4349	C270	6858	6914
C51	1295	1351	C87	2210	2266	C123	3124	3180	C170	4318	4374	C275	6985	7041
C52	1321	1377	C88	2235	2291	C124	3150	3206	C172	4369	4425	C280	7112	7168
C53	1346	1402	C89	2261	2317	C125	3175	3231	C173	4394	4450	C285	7239	7295
C54	1372	1428	C90	2286	2342	C126	3200	3256	C174	4420	4476	C290	7366	7422
C55	1397	1453	C91	2311	2367	C127	3226	3282	C175	4445	4501	C300	7620	7676
C56	1422	1478	C92	2337	2393	C128	3251	3307	C178	4521	4577	C328	8331	8387
C57	1448	1504	C93	2362	2418	C130	3302	3358	C180	4572	4628	C358	9093	9149
C58	1473	1529	C94	2388	2444	C131	3327	3383	C182	4623	4679	C418	10617	10673
C59	1499	1555	C95	2413	2469	C132	3353	3409	C184	4674	4730			
C60	1524	1580	C96	2438	2494	C133	3378	3434	C185	4699	4755			
C61	1549	1605	C97	2464	2520	C134	3404	3460	C188	4775	4831			
C62	1575	1631	C98	2489	2545	C135	3429	3485	C190	4826	4882			
C63	1600	1656	C99	2515	2571	C136	3454	3510	C192	4877	4933			
C64	1626	1682	C100	2540	2596	C137	3480	3536	C195	4953	5009			
C65	1651	1707	C101	2565	2621	C138	3505	3561	C198	5029	5085			
C66	1676	1732	C102	2591	2647	C139	3531	3587	C200	5080	5136			
C67	1702	1758	C103	2616	2672	C140	3556	3612	C204	5182	5238			
C68	1727	1783	C104	2642	2698	C141	3581	3637	C205	5207	5263			
C69	1753	1809	C105	2667	2723	C142	3607	3663	C208	5283	5339			
C70	1778	1834	C106	2692	2748	C144	3658	3714	C210	5334	5390			
C71	1803	1859	C107	2718	2774	C145	3683	3739	C215	5461	5517			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 1D

## Classical Section:D



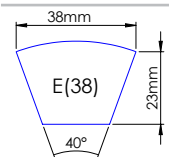
**Top Width:** 32.0 mm; **Thickness:** 19.0 mm; **Angle:** 40  
**Standard:** BS 3790, IS 2494, ISO 4184, DIN 2215, JISK6323, IP20  
**Ambient Temperature Range:**  
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length
D75	1905	1984	D116	2946	3025	D168	4267	4346	D248	6299	6378	D478	12141	12220
D80	2032	2111	D120	3048	3127	D173	4394	4473	D250	6350	6429	D538	13665	13744
D82	2083	2162	D122	3099	3178	D175	4445	4524	D258	6553	6632			
D84	2134	2213	D128	3251	3330	D180	4572	4651	D260	6604	6683			
D85	2159	2238	D130	3302	3381	D185	4699	4778	D268	6807	6886			
D88	2235	2314	D132	3353	3432	D190	4826	4905	D280	7112	7191			
D90	2286	2365	D134	3404	3483	D195	4953	5032	D285	7239	7318			
D95	2413	2492	D136	3454	3533	D204	5182	5261	D290	7366	7445			
D96	2438	2517	D138	3505	3584	D210	5334	5413	D298	7569	7648			
D98	2489	2568	D140	3556	3635	D215	5461	5540	D300	7620	7699			
D100	2540	2619	D144	3658	3737	D220	5588	5667	D314	7976	8055			
D102	2591	2670	D150	3810	3889	D225	5715	5794	D320	8128	8207			
D105	2667	2746	D152	3861	3940	D228	5791	5870	D328	8331	8410			
D108	2743	2822	D158	4013	4092	D230	5842	5921	D358	9093	9172			
D110	2794	2873	D160	4064	4143	D238	6045	6124	D390	9906	9985			
D112	2845	2924	D162	4115	4194	D240	6096	6175	D418	10617	10696			
D114	2896	2975	D165	4191	4270	D245	6223	6302	D450	11430	11509			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 1E

## Classical Section:E



**Top Width:** 38.0 mm; **Thickness:** 23.0 mm; **Angle:** 40  
**Standard:** IS 2494, ISO 4184, JISK6323, IP20  
**Ambient Temperature Range:**  
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length	Belt Code	Inside Length	Pitch Length
E180	4572	4664	E268	6807	6899	E374	9500	9592	E478	12141	12233
E195	4953	5045	E298	7569	7661	E394	10008	10100	E538	13665	13757
E210	5334	5426	E328	8331	8423	E418	10617	10709			
E238	6045	6137	E358	9093	9185	E450	11430	11522			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request



**TABLE 1: HORSE POWER RATINGS (kW)**
**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**
**Section Z ( 10mm. X 6mm. )**

Rev/ min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF											
	50	56	63	71	80	85	90	95	100	106	112	125
200	0.09	0.11	0.13	0.15	0.18	0.19	0.21	0.23	0.25	0.27	0.30	0.35
400	0.14	0.17	0.20	0.24	0.29	0.32	0.34	0.38	0.40	0.43	0.46	0.53
600	0.18	0.23	0.28	0.34	0.40	0.42	0.47	0.50	0.54	0.59	0.63	0.71
800	0.25	0.30	0.37	0.45	0.54	0.59	0.63	0.67	0.73	0.78	0.84	0.96
1000	0.28	0.35	0.43	0.52	0.63	0.71	0.74	0.79	0.85	0.93	0.98	1.2
1200	0.31	0.40	0.50	0.61	0.73	0.77	0.86	0.92	0.98	1.04	1.12	1.32
1400	0.34	0.43	0.54	0.66	0.80	0.89	0.95	1.06	1.09	1.17	1.26	1.43
1600	0.37	0.48	0.60	0.74	0.88	1.01	1.05	1.15	1.21	1.28	1.40	1.65
1800	0.41	0.54	0.67	0.83	0.99	1.12	1.18	1.24	1.35	1.46	1.57	1.87
2000	0.43	0.57	0.73	0.88	1.07	1.22	1.26	1.36	1.45	1.56	1.67	2.07
2200	0.46	0.60	0.76	0.94	1.13	1.28	1.34	1.48	1.55	1.65	1.78	2.26
2400	0.47	0.63	0.79	0.98	1.18	1.33	1.41	1.56	1.63	1.76	1.87	2.44
2600	0.50	0.66	0.84	1.04	1.26	1.38	1.49	1.64	1.72	1.88	1.98	2.61
2800	0.53	0.70	0.90	1.12	1.33	1.52	1.61	1.77	1.86	2.01	2.12	2.77
3000	0.56	0.73	0.93	1.16	1.40	1.57	1.67	1.83	1.92	2.13	2.21	2.92
3200	0.57	0.76	0.96	1.21	1.47	1.66	1.74	1.89	2.01	2.19	2.26	3.02
3400	0.59	0.79	1.00	1.25	1.51	1.70	1.85	1.99	2.07	2.26	2.37	3.12
3600	0.60	0.80	1.04	1.29	1.57	1.75	1.86	2.03	2.14	2.31	2.45	3.24
3800	0.62	0.84	1.08	1.33	1.65	1.79	1.96	2.11	2.23	2.40	2.55	3.29
4000	0.64	0.86	1.11	1.39	1.69	1.88	2.00	2.17	2.29	2.48	2.62	3.38
4200	0.65	0.88	1.14	1.43	1.74	1.92	2.05	2.27	2.36	2.54	2.69	3.45
4400	0.66	0.91	1.16	1.45	1.76	1.96	2.08	2.32	2.41	2.59	2.71	3.5
4600	0.66	0.91	1.18	1.48	1.80	2.04	2.13	2.37	2.43	2.62	2.72	3.54
4800	0.68	0.93	1.22	1.52	1.85	2.08	2.18	2.41	2.49	2.63	2.73	3.57
5000	0.69	0.96	1.25	1.56	1.87	2.12	2.20	2.45	2.53	2.67	2.85	3.59
5200	0.71	0.97	1.27	1.58	1.93	2.16	2.28	2.50	2.55	2.71	2.87	3.61
5400	0.71	0.97	1.27	1.60	1.94	2.20	2.28	2.54	2.58	2.72	2.88	3.62
5600	0.71	0.98	1.29	1.62	1.97	2.24	2.30	2.55	2.60	2.73	2.90	3.63
5800	0.73	1.00	1.32	1.65	1.99	2.23	2.29	2.55	2.59	2.72	2.87	3.62
6000	0.76	1.00	1.32	1.65	1.99	2.22	2.29	2.56	2.60	2.73	2.87	3.61



**TABLE 1A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section Z ( 10mm. X 6mm. )**

Rev/ min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.5	1.51 and above
200	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
400	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03
600	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05
800	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.07
1000	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08
1200	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10
1400	0.00	0.01	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11
1600	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13
1800	0.00	0.02	0.03	0.05	0.06	0.08	0.10	0.11	0.13	0.15
2000	0.00	0.02	0.04	0.06	0.07	0.09	0.11	0.13	0.15	0.16
2200	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18
2400	0.00	0.02	0.04	0.07	0.09	0.11	0.13	0.15	0.18	0.20
2600	0.00	0.02	0.05	0.07	0.09	0.12	0.14	0.16	0.19	0.21
2800	0.00	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.23
3000	0.00	0.03	0.06	0.08	0.11	0.14	0.16	0.19	0.22	0.25
3200	0.00	0.03	0.06	0.09	0.11	0.15	0.17	0.20	0.23	0.26
3400	0.00	0.03	0.06	0.09	0.12	0.16	0.18	0.21	0.25	0.28
3600	0.00	0.03	0.07	0.10	0.13	0.16	0.20	0.23	0.26	0.30
3800	0.00	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.28	0.31
4000	0.00	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.33
4200	0.00	0.04	0.08	0.12	0.15	0.19	0.23	0.26	0.31	0.34
4400	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
4600	0.00	0.04	0.08	0.13	0.16	0.21	0.25	0.29	0.34	0.38
4800	0.00	0.04	0.09	0.13	0.17	0.22	0.26	0.30	0.35	0.39
5000	0.00	0.05	0.09	0.14	0.18	0.23	0.27	0.32	0.37	0.41
5200	0.00	0.05	0.10	0.14	0.19	0.24	0.28	0.33	0.38	0.43
5400	0.00	0.05	0.10	0.15	0.19	0.25	0.29	0.34	0.40	0.44
5600	0.00	0.05	0.10	0.15	0.20	0.26	0.30	0.35	0.41	0.46
5800	0.00	0.05	0.11	0.16	0.21	0.27	0.31	0.37	0.42	0.48
6000	0.00	0.05	0.11	0.17	0.21	0.27	0.33	0.38	0.44	0.49

**TABLE 2: HORSE POWER RATINGS (kW)**
**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**
**Section A ( 13mm. X 8mm. )**

Rev/min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	71	80	85	90	95	100	106	112	125	132	140	150	160	170	180
100	0.13	0.16	0.19	0.21	0.23	0.25	0.28	0.30	0.35	0.38	0.42	0.46	0.50	0.54	0.58
200	0.22	0.29	0.33	0.37	0.41	0.45	0.50	0.54	0.65	0.70	0.76	0.84	0.92	0.99	1.07
300	0.29	0.40	0.46	0.52	0.57	0.63	0.70	0.77	0.91	0.99	1.08	1.19	1.30	1.41	1.52
400	0.36	0.50	0.57	0.65	0.73	0.80	0.89	0.98	1.17	1.27	1.38	1.53	1.67	1.81	1.95
500	0.42	0.59	0.68	0.78	0.87	0.96	1.07	1.18	1.41	1.53	1.67	1.85	2.02	2.19	2.36
600	0.48	0.68	0.79	0.90	1.00	1.11	1.24	1.37	1.64	1.78	1.95	2.15	2.36	2.56	2.76
700	0.53	0.76	0.89	1.01	1.13	1.26	1.40	1.55	1.86	2.03	2.22	2.45	2.68	2.91	3.14
800	0.58	0.84	0.98	1.12	1.26	1.40	1.56	1.72	2.08	2.26	2.48	2.74	3.00	3.26	0.16
900	0.63	0.91	1.07	1.22	1.38	1.53	1.71	1.89	2.28	2.49	2.73	3.02	3.30	3.59	3.87
1000	0.67	0.98	1.15	1.32	1.49	1.66	1.86	2.06	2.49	2.71	2.97	3.29	3.60	3.91	4.22
1100	0.71	1.05	1.23	1.42	1.60	1.79	2.00	2.22	2.68	2.93	3.21	3.55	3.89	4.22	4.55
1200	0.74	1.11	1.31	1.51	1.71	1.91	2.14	2.37	2.87	3.14	3.43	3.80	4.17	4.53	4.88
1300	0.78	1.17	1.39	1.60	1.81	2.02	2.27	2.52	3.05	3.34	3.66	4.05	4.44	4.82	5.19
1400	0.81	1.23	1.46	1.69	1.91	2.14	2.40	2.67	3.23	3.53	3.87	4.29	4.70	5.1	5.5
1500	0.84	1.28	1.53	1.77	2.01	2.25	2.53	2.81	3.41	3.72	4.08	4.52	4.95	5.37	5.79
1600	0.86	1.33	1.59	1.85	2.10	2.35	2.65	2.95	3.57	3.91	4.28	4.74	5.19	5.63	6.07
1700	0.89	1.38	1.66	1.93	2.19	2.46	2.77	3.08	3.74	4.08	4.48	4.96	5.43	5.89	6.33
1800	0.91	1.43	1.72	2.00	2.28	2.55	2.88	3.21	3.89	4.26	4.66	5.16	5.65	6.13	6.59
1900	0.93	1.48	1.78	2.07	2.36	2.65	2.99	3.33	4.04	4.42	4.84	5.36	5.87	6.36	6.83
2000	0.95	1.52	1.83	2.14	2.44	2.74	3.10	3.45	4.19	4.58	5.02	5.55	6.07	6.58	7.07
2100	0.97	1.56	1.88	2.20	2.52	2.83	3.20	3.56	4.33	4.74	5.19	5.74	6.27	6.79	7.28
2200	0.99	1.60	1.94	2.27	2.59	2.92	3.30	3.67	4.47	4.88	5.35	5.91	6.46	6.98	7.49
2300	1.00	1.64	1.98	2.33	2.66	3.00	3.39	3.78	4.60	5.02	5.50	6.08	6.63	7.17	7.68
2400	1.01	1.67	2.03	2.38	2.73	3.08	3.48	3.88	4.72	5.16	5.65	6.23	6.80	7.34	7.86
2500	1.02	1.70	2.07	2.44	2.80	3.15	3.57	3.98	4.84	5.29	5.78	6.38	6.96	7.5	8.02
2600	1.03	1.73	2.11	2.49	2.86	3.22	3.65	4.07	4.95	5.41	5.91	6.52	7.10	7.65	8.17
2700	1.04	1.76	2.15	2.54	2.92	3.29	3.73	4.16	5.06	5.52	6.04	6.65	7.24	7.79	8.31
2800	1.04	1.78	2.19	2.58	2.97	3.35	3.80	4.24	5.16	5.63	6.15	6.77	7.36	7.91	8.43
2900	1.04	1.81	2.22	2.63	3.02	3.42	3.87	4.32	5.25	5.73	6.26	6.88	7.47	8.02	8.53
3000	1.05	1.83	2.25	2.67	3.07	3.47	3.94	4.40	5.34	5.83	6.36	6.98	7.57	8.12	8.62
3200	1.04	1.86	2.3	2.74	3.16	3.58	4.06	4.53	5.50	5.99	6.53	7.16	7.74	8.27	8.74
3400	1.04	1.89	2.35	2.80	3.24	3.66	4.16	4.65	5.63	6.13	6.66	7.29	7.85	8.36	8.80
3600	1.02	1.91	2.38	2.85	3.30	3.74	4.25	4.74	5.74	6.23	6.76	7.37	7.91	8.38	8.78
3800	1.00	1.91	2.4	2.88	3.35	3.79	4.31	4.81	5.81	6.30	6.83	7.41	7.92	8.35	
4000	0.97	1.91	2.42	2.90	3.38	3.84	4.36	4.86	5.86	6.34	6.85	7.40	7.87		
4200	0.93	1.90	2.42	2.92	3.40	3.86	4.39	4.89	5.88	6.35	6.83	7.34			
4400	0.88	1.88	2.41	2.91	3.40	3.87	4.40	4.90	5.86	6.31	6.77	7.23			
4600	0.83	1.85	2.38	2.90	3.39	3.86	4.39	4.88	5.82	6.24	6.66				
4800	0.77	1.81	2.35	2.87	3.36	3.83	4.35	4.84	5.74	6.14					
5000	0.70	1.75	2.3	2.82	3.32	3.78	4.30	4.77	5.62	5.99					
5200	0.63	1.69	2.24	2.76	3.25	3.71	4.22	4.67	5.47						
5400	0.54	1.62	2.17	2.69	3.18	3.63	4.12	4.55							
5600	0.45	1.53	2.09	2.60	3.08	3.52	3.99	4.40							
5800	0.35	1.44	1.99	2.50	2.97	3.39	3.84	4.22							
6000	0.24	1.33	1.88	2.38	2.83	3.24	3.66								

**TABLE 2A: HORSE POWER RATINGS (kW)**
**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**
**Section A ( 13mm. X 8mm. )**

Rev/min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.5	1.51 and above
100	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02
200	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04
300	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.05
400	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.07
500	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
600	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.10	0.11
700	0.00	0.01	0.03	0.04	0.06	0.07	0.08	0.10	0.11	0.13
800	0.00	0.02	0.03	0.05	0.06	0.08	0.10	0.11	0.13	0.14
900	0.00	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.14	0.16
1000	0.00	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18
1100	0.00	0.02	0.04	0.07	0.09	0.11	0.13	0.15	0.18	0.20
1200	0.00	0.02	0.05	0.07	0.10	0.12	0.14	0.17	0.19	0.21
1300	0.00	0.03	0.05	0.08	0.10	0.13	0.16	0.18	0.21	0.23
1400	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.22	0.25
1500	0.00	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27
1600	0.00	0.03	0.06	0.10	0.13	0.16	0.19	0.22	0.25	0.29
1700	0.00	0.03	0.07	0.10	0.14	0.17	0.20	0.24	0.27	0.30
1800	0.00	0.04	0.07	0.11	0.14	0.18	0.22	0.25	0.29	0.32
1900	0.00	0.04	0.08	0.11	0.15	0.19	0.23	0.27	0.30	0.34
2000	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
2100	0.00	0.04	0.08	0.13	0.17	0.21	0.25	0.29	0.33	0.38
2200	0.00	0.04	0.09	0.13	0.17	0.22	0.26	0.31	0.35	0.39
2300	0.00	0.05	0.09	0.14	0.18	0.23	0.28	0.32	0.37	0.41
2400	0.00	0.05	0.10	0.14	0.19	0.24	0.29	0.34	0.38	0.43
2500	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
2600	0.00	0.05	0.10	0.16	0.21	0.26	0.30	0.36	0.41	0.47
2700	0.00	0.05	0.11	0.16	0.21	0.27	0.32	0.38	0.43	0.48
2800	0.00	0.06	0.11	0.17	0.22	0.28	0.34	0.39	0.45	0.50
2900	0.00	0.06	0.12	0.17	0.23	0.29	0.35	0.41	0.46	0.52
3000	0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54
3200	0.00	0.06	0.13	0.19	0.25	0.32	0.38	0.45	0.51	0.57
3400	0.00	0.07	0.14	0.20	0.27	0.34	0.41	0.48	0.54	0.61
3600	0.00	0.07	0.14	0.22	0.29	0.36	0.43	0.50	0.57	0.64
3800	0.00	0.08	0.15	0.23	0.30	0.38	0.46	0.53	0.61	0.68
4000	0.00	0.08	0.16	0.24	0.32	0.40	0.48	0.56	0.64	0.72
4200	0.00	0.08	0.17	0.25	0.33	0.42	0.50	0.59	0.67	0.75
4400	0.00	0.09	0.18	0.26	0.35	0.44	0.53	0.62	0.70	0.79
4600	0.00	0.09	0.18	0.28	0.37	0.46	0.55	0.64	0.73	0.82
4800	0.00	0.09	0.19	0.29	0.38	0.48	0.58	0.67	0.76	0.86
5000	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.89
5200	0.00	0.10	0.21	0.31	0.41	0.52	0.62	0.73	0.83	0.93
5400	0.00	0.11	0.21	0.32	0.43	0.54	0.65	0.76	0.86	0.97
5600	0.00	0.11	0.22	0.34	0.44	0.56	0.67	0.78	0.89	1.00
5800	0.00	0.11	0.23	0.35	0.46	0.58	0.70	0.81	0.92	1.04
6000	0.00	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.07

Section B ( 17mm.X 11mm.)

Rev/min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	112	118	132	140	150	160	170	180	190	200	212	224	236	250	280
100	0.34	0.38	0.47	0.52	0.59	0.65	0.72	0.78	0.84	0.91	0.98	1.06	1.13	1.22	1.40
200	0.60	0.67	0.84	0.94	1.06	1.18	1.30	1.42	1.54	1.66	1.80	1.94	2.08	2.24	2.59
300	0.82	0.92	1.17	1.32	1.49	1.66	1.84	2.01	2.18	2.35	2.55	2.76	2.96	3.19	3.68
400	1.02	1.16	1.48	1.66	1.89	2.12	2.34	2.56	2.78	3.00	3.26	3.53	3.78	4.08	4.72
500	1.20	1.37	1.77	1.99	2.27	2.54	2.81	3.09	3.35	3.62	3.94	4.26	4.57	4.93	5.70
600	1.37	1.57	2.04	2.30	2.62	2.95	3.27	3.59	3.90	4.21	4.59	4.96	5.32	5.75	6.64
700	1.53	1.76	2.29	2.59	2.97	3.33	3.70	4.06	4.42	4.78	5.21	5.63	6.04	6.52	7.54
800	1.68	1.94	2.54	2.87	3.29	3.71	4.12	4.52	4.93	5.32	5.80	6.27	6.73	7.27	8.39
900	1.82	2.11	2.77	3.14	3.60	4.06	4.51	4.96	5.41	5.85	6.37	6.88	7.39	7.97	9.20
950	1.89	2.19	2.88	3.27	3.75	4.23	4.71	5.18	5.64	6.10	6.64	7.18	7.71	8.31	9.59
1000	1.95	2.27	2.99	3.40	3.90	4.40	4.90	5.38	5.87	6.34	6.91	7.47	8.02	8.65	9.96
1100	2.07	2.42	3.20	3.64	4.19	4.73	5.26	5.79	6.31	6.82	7.43	8.03	8.61	9.29	10.68
1200	2.19	2.56	3.40	3.88	4.46	5.04	5.61	6.17	6.73	7.28	7.92	8.56	9.18	9.89	11.35
1300	2.30	2.69	3.59	4.10	4.72	5.34	5.95	6.54	7.13	7.71	8.39	9.06	9.71	10.45	11.98
1400	2.40	2.82	3.77	4.31	4.97	5.62	6.26	6.89	7.51	8.12	8.83	9.53	10.21	10.98	12.55
1500	2.49	2.93	3.94	4.51	5.21	5.89	6.56	7.22	7.87	8.51	9.25	9.97	10.67	11.47	13.07
1600	2.58	3.04	4.11	4.70	5.43	6.15	6.85	7.54	8.21	8.87	9.64	10.38	11.10	11.92	13.54
1700	2.66	3.15	4.26	4.88	5.64	6.39	7.12	7.83	8.53	9.21	10.00	10.76	11.50	12.32	13.95
1800	2.73	3.24	4.40	5.05	5.84	6.62	7.37	8.11	8.83	9.52	10.33	11.11	11.85	12.68	14.29
1900	2.80	3.33	4.53	5.21	6.03	6.83	7.61	8.36	9.10	9.81	10.63	11.42	12.17	12.99	14.58
2000	2.86	3.41	4.66	5.35	6.20	7.02	7.82	8.60	9.35	10.07	10.90	11.69	12.44	13.26	14.80
2100	2.91	3.48	4.77	5.49	6.36	7.21	8.02	8.81	9.58	10.31	11.14	11.93	12.68	13.48	14.96
2200	2.95	3.54	4.87	5.61	6.51	7.37	8.20	9.01	9.78	10.51	11.35	12.13	12.86	13.64	15.04
2300	2.99	3.60	4.97	5.72	6.64	7.52	8.37	9.18	9.95	10.69	11.52	12.30	13.01	13.76	15.05
2400	3.02	3.65	5.05	5.82	6.76	7.65	8.51	9.33	10.10	10.84	11.66	12.42	13.10	13.82	
2500	3.05	3.69	5.12	5.91	6.86	7.77	8.63	9.45	10.23	10.96	11.76	12.50	13.15	13.82	
2600	3.06	3.72	5.18	5.99	6.95	7.86	8.73	9.55	10.32	11.04	11.83	12.53	13.15	13.76	
2700	3.07	3.74	5.23	6.05	7.02	7.94	8.82	9.63	10.39	11.09	11.86	12.53	13.10		
2800	3.07	3.76	5.27	6.10	7.08	8.01	8.87	9.68	10.43	11.11	11.84	12.47	12.99		
2850	3.07	3.76	5.29	6.12	7.10	8.03	8.90	9.70	10.44	11.11	11.82	12.43			
2900	3.07	3.76	5.30	6.13	7.12	8.05	8.91	9.71	10.44	11.10	11.79	12.37			
3000	3.06	3.76	5.32	6.16	7.15	8.07	8.93	9.71	10.42	11.05	11.70				
3100	3.03	3.75	5.32	6.17	7.16	8.08	8.92	9.68	10.37	10.96	11.56				
3200	3.01	3.73	5.32	6.16	7.15	8.06	8.87	9.63	10.28	10.84					
3300	2.97	3.70	5.30	6.14	7.13	8.02	8.83	9.55	10.16	10.68					
3400	2.92	3.66	5.27	6.11	7.08	7.97	8.75	9.43	10.01						
3500	2.87	3.61	5.22	6.06	7.02	7.89	8.64	9.29	9.82						
3600	2.81	3.55	5.16	6.00	6.94	7.79	8.51	9.12							
3700	2.74	3.49	5.09	5.92	6.85	7.66	8.35	8.92							
3800	2.66	3.41	5.01	5.82	6.73	7.52	8.17								
3900	2.57	3.32	4.91	5.71	6.59	7.34	7.95								
4000	2.47	3.22	4.80	5.58	6.44	7.15									
4200	2.25	2.99	4.53	5.27	6.06										
4400	1.99	2.72	4.20	4.90	5.61										
4600	1.69	2.40	3.81	4.45											
4800	1.35	2.04	3.36	4.19											
5000	0.97	1.63	2.84												

**TABLE 3A: HORSE POWER RATINGS (kW)**
**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**
**Section B ( 17mm. X 11mm. )**

Rev/min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.5	1.51 and above
100	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04
200	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.08
300	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.11	0.12
400	0.00	0.02	0.04	0.05	0.07	0.09	0.11	0.12	0.14	0.16
500	0.00	0.02	0.04	0.07	0.09	0.11	0.13	0.16	0.18	0.20
600	0.00	0.03	0.05	0.08	0.11	0.13	0.16	0.19	0.21	0.24
700	0.00	0.03	0.06	0.09	0.12	0.15	0.19	0.22	0.25	0.28
800	0.00	0.04	0.07	0.11	0.14	0.18	0.21	0.25	0.28	0.32
900	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
950	0.00	0.04	0.08	0.13	0.17	0.21	0.25	0.29	0.34	0.38
1000	0.00	0.04	0.09	0.13	0.18	0.22	0.27	0.31	0.35	0.40
1100	0.00	0.05	0.10	0.15	0.19	0.24	0.29	0.34	0.39	0.44
1200	0.00	0.05	0.11	0.16	0.21	0.26	0.32	0.37	0.42	0.48
1300	0.00	0.06	0.11	0.17	0.23	0.29	0.35	0.40	0.46	0.52
1400	0.00	0.06	0.12	0.19	0.25	0.31	0.37	0.43	0.49	0.56
1500	0.00	0.07	0.13	0.20	0.26	0.33	0.40	0.47	0.53	0.59
1600	0.00	0.07	0.14	0.21	0.28	0.35	0.43	0.50	0.56	0.63
1700	0.00	0.07	0.15	0.23	0.30	0.37	0.45	0.53	0.60	0.67
1800	0.00	0.08	0.16	0.24	0.32	0.40	0.48	0.56	0.64	0.71
1900	0.00	0.08	0.17	0.25	0.33	0.42	0.51	0.59	0.67	0.75
2000	0.00	0.09	0.18	0.27	0.35	0.44	0.53	0.62	0.71	0.79
2100	0.00	0.09	0.19	0.28	0.37	0.46	0.56	0.65	0.74	0.83
2200	0.00	0.10	0.19	0.29	0.39	0.48	0.58	0.68	0.78	0.87
2300	0.00	0.10	0.20	0.30	0.40	0.51	0.61	0.71	0.81	0.91
2400	0.00	0.11	0.21	0.32	0.42	0.53	0.64	0.74	0.85	0.95
2500	0.00	0.11	0.22	0.33	0.44	0.55	0.66	0.78	0.88	0.99
2600	0.00	0.11	0.23	0.34	0.46	0.57	0.69	0.81	0.92	1.03
2700	0.00	0.12	0.24	0.36	0.48	0.59	0.72	0.84	0.95	1.07
2800	0.00	0.12	0.25	0.37	0.49	0.62	0.74	0.87	0.99	1.11
2850	0.00	0.12	0.25	0.38	0.50	0.63	0.76	0.88	1.01	1.13
2900	0.00	0.13	0.26	0.38	0.51	0.64	0.77	0.90	1.02	1.15
3000	0.00	0.13	0.26	0.40	0.53	0.66	0.80	0.93	1.06	1.19
3100	0.00	0.14	0.27	0.41	0.55	0.68	0.82	0.96	1.09	1.23
3200	0.00	0.14	0.28	0.42	0.56	0.70	0.85	0.99	1.13	1.27
3300	0.00	0.14	0.29	0.44	0.58	0.73	0.88	1.02	1.16	1.31
3400	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35
3500	0.00	0.15	0.31	0.46	0.62	0.77	0.93	1.09	1.24	1.39
3600	0.00	0.16	0.32	0.48	0.63	0.79	0.96	1.12	1.27	1.43
3700	0.00	0.16	0.33	0.49	0.65	0.81	0.98	1.15	1.31	1.47
3800	0.00	0.17	0.34	0.50	0.67	0.84	1.01	1.18	1.34	1.51
3900	0.00	0.17	0.34	0.52	0.69	0.86	1.04	1.21	1.38	1.55
4000	0.00	0.18	0.35	0.53	0.72	0.88	1.06	1.24	1.41	1.59
4200	0.00	0.18	0.37	0.56	0.76	0.92	1.12	1.30	1.48	1.67
4400	0.00	0.19	0.39	0.58	0.79	0.97	1.17	1.36	1.55	1.74
4600	0.00	0.20	0.41	0.61	0.81	1.01	1.22	1.43	1.62	1.82
4800	0.00	0.21	0.42	0.64	0.84	1.06	1.28	1.49	1.69	1.9
5000	0.00	0.22	0.44	0.66	0.88	1.10	1.33	1.55	1.76	1.76

**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**

**Section C ( 22mm. X 17mm.)**

Rev/ min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	190	200	212	224	236	250	265	280	300	315	335	355	375	400	425
100	1.07	1.17	1.29	1.41	1.53	1.66	1.81	1.95	2.15	2.29	2.48	2.67	2.86	3.10	3.33
200	1.91	2.10	2.33	2.55	2.77	3.03	3.30	3.58	3.94	4.21	4.57	4.92	5.28	5.72	6.15
300	2.67	2.94	3.27	3.59	3.91	4.28	4.68	5.07	5.59	5.98	6.49	7.00	7.50	8.13	8.75
400	3.37	3.72	4.14	4.56	4.97	5.45	5.96	6.46	7.13	7.63	8.29	8.94	9.59	10.39	11.18
500	4.03	4.45	4.96	5.47	5.97	6.55	7.17	7.78	8.59	9.19	9.99	10.77	11.55	12.50	13.45
600	4.64	5.14	5.74	6.33	6.92	7.59	8.31	9.03	9.97	10.66	11.58	12.49	13.38	14.48	15.56
700	5.22	5.79	6.47	7.14	7.81	8.58	9.40	10.21	11.27	12.05	13.08	14.10	15.10	16.32	17.51
800	5.76	6.40	7.16	7.91	8.66	9.51	10.42	11.32	12.49	13.35	14.49	15.60	16.69	18.01	19.30
900	6.27	6.98	7.81	8.64	9.45	10.39	11.38	12.36	13.63	14.57	15.79	16.98	18.14	19.55	20.90
950	6.52	7.25	8.13	8.99	9.84	10.81	11.84	12.85	14.17	15.14	16.40	17.63	18.82	20.26	21.63
1000	6.76	7.52	8.43	9.32	10.20	11.22	12.28	13.33	14.69	15.69	16.99	18.24	19.46	20.92	22.32
1100	7.21	8.03	9.00	9.96	10.91	11.99	13.12	14.23	15.67	16.72	18.07	19.38	20.63	22.12	23.52
1200	7.62	8.50	9.54	10.56	11.56	12.70	13.89	15.06	16.56	17.65	19.04	20.38	21.65	23.14	24.52
1300	8.01	8.94	10.04	11.11	12.16	13.35	14.60	15.81	17.36	18.47	19.89	21.23	22.50	23.95	25.28
1400	8.37	9.34	10.49	11.61	12.71	13.95	15.23	16.48	18.06	19.18	20.61	21.94	23.17	24.56	25.79
1450	8.53	9.53	10.70	11.85	12.96	14.22	15.52	16.78	18.37	19.50	20.92	22.23	23.44	24.79	25.95
1500	8.69	9.71	10.90	12.07	13.20	14.48	15.80	17.06	18.66	19.78	21.19	22.49	23.66	24.95	26.04
1600	8.98	10.04	11.27	12.47	13.64	14.94	16.28	17.56	19.15	20.26	21.63	22.87	23.96	25.11	
1700	9.24	10.33	11.60	12.83	14.01	15.34	16.69	17.96	19.53	20.62	21.92	23.07	24.05		
1800	9.46	10.58	11.88	13.13	14.33	15.67	17.01	18.27	19.80	20.84	22.06	23.09			
1900	9.64	10.79	12.11	13.38	14.59	15.92	17.25	18.48	19.95	20.92	22.03				
2000	9.79	10.96	12.30	13.57	14.78	16.10	17.40	18.58	19.97	20.86					
2100	9.90	11.08	12.43	13.70	14.90	16.19	17.46	18.58	19.86	20.65					
2200	9.97	11.16	12.51	13.77	14.95	16.21	17.42	18.47	19.62						
2300	10.00	11.19	12.53	13.78	14.93	16.14	17.28	18.24							
2400	9.99	11.18	12.50	13.73	14.84	15.98	17.03								
2500	9.94	11.11	12.42	13.60	14.66	15.74	16.68								
2600	9.84	11.00	12.27	13.41	14.41	15.40									
2700	9.70	10.83	12.06	13.15	14.08										
2800	9.51	10.61	11.79	12.81	13.65										
2850	9.40	10.48	11.63	12.61											
2900	9.27	10.34	11.46	12.40											
3000	8.99	10.00	11.05												

**TABLE 4A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section C ( 22mm. X 17mm.)**

Rev/ min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.5	1.51 and above
100	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.08
200	0.00	0.02	0.04	0.06	0.08	0.10	0.11	0.13	0.15	0.17
300	0.00	0.03	0.06	0.09	0.11	0.14	0.17	0.20	0.23	0.25
400	0.00	0.04	0.08	0.11	0.15	0.19	0.23	0.26	0.30	0.34
500	0.00	0.05	0.10	0.14	0.19	0.24	0.28	0.33	0.38	0.42
600	0.00	0.06	0.11	0.17	0.23	0.29	0.34	0.40	0.45	0.51
700	0.00	0.07	0.13	0.20	0.27	0.33	0.40	0.46	0.53	0.59
800	0.00	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68
900	0.00	0.09	0.17	0.26	0.34	0.43	0.51	0.60	0.68	0.76
950	0.00	0.09	0.18	0.27	0.36	0.45	0.54	0.63	0.72	0.81
1000	0.00	0.09	0.19	0.29	0.38	0.48	0.57	0.66	0.76	0.85
1100	0.00	0.10	0.21	0.32	0.42	0.52	0.62	0.73	0.83	0.93
1200	0.00	0.11	0.23	0.34	0.46	0.57	0.68	0.79	0.91	1.02
1300	0.00	0.12	0.25	0.37	0.49	0.62	0.74	0.86	0.98	1.10
1400	0.00	0.13	0.27	0.40	0.53	0.67	0.79	0.93	1.06	1.19
1450	0.00	0.14	0.28	0.41	0.55	0.69	0.82	0.96	1.09	1.23
1500	0.00	0.14	0.29	0.43	0.57	0.71	0.85	0.99	1.13	1.27
1600	0.00	0.15	0.30	0.46	0.61	0.76	0.91	1.06	1.21	1.36
1700	0.00	0.16	0.32	0.49	0.65	0.81	0.96	1.13	1.28	1.44
1800	0.00	0.17	0.34	0.52	0.68	0.86	1.02	1.19	1.36	1.53
1900	0.00	0.18	0.36	0.54	0.72	0.90	1.08	1.26	1.44	1.61
2000	0.00	0.19	0.38	0.57	0.76	0.95	1.13	1.32	1.51	1.70
2100	0.00	0.20	0.40	0.60	0.80	1.00	1.19	1.39	1.59	1.78
2200	0.00	0.21	0.42	0.63	0.84	1.05	1.25	1.46	1.66	1.87
2300	0.00	0.22	0.44	0.66	0.88	1.09	1.30	1.52	1.74	1.95
2400	0.00	0.23	0.46	0.69	0.91	1.14	1.36	1.59	1.81	2.04
2500	0.00	0.24	0.48	0.72	0.95	1.19	1.42	1.66	1.89	2.12
2600	0.00	0.25	0.50	0.74	0.99	1.24	1.47	1.72	1.96	2.21
2700	0.00	0.26	0.51	0.77	1.03	1.28	1.53	1.79	2.04	2.29
2800	0.00	0.27	0.53	0.80	1.07	1.33	1.59	1.85	2.11	2.38
2850	0.00	0.27	0.54	0.82	1.08	1.36	1.62	1.89	2.15	2.42
2900	0.00	0.27	0.55	0.83	1.10	1.38	1.64	1.92	2.19	2.46
3000	0.00	0.28	0.57	0.86	1.14	1.43	1.70	1.99	2.27	2.55



**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**

**Section D ( 32mm. X 19mm. )**

Rev/ min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	315	335	355	375	400	425	450	500	560	600	670	710	750	800	900
50	1.81	2.00	2.19	2.39	2.62	2.86	3.10	3.57	4.12	4.49	5.13	5.50	5.86	6.31	7.20
100	3.27	3.64	4.00	4.36	4.81	5.26	5.70	6.59	7.63	8.33	9.53	10.21	10.88	11.72	13.38
150	4.61	5.14	5.66	6.18	6.83	7.48	8.12	9.39	10.90	11.89	13.61	14.59	15.56	16.76	19.13
200	5.86	6.54	7.22	7.90	8.74	9.57	10.40	12.04	13.98	15.26	17.48	18.73	19.96	21.50	24.51
250	7.03	7.87	8.70	9.52	10.55	11.56	12.57	14.57	16.92	18.47	21.14	22.65	24.13	25.97	29.56
300	8.15	9.14	10.11	11.08	12.28	13.47	14.65	16.98	19.72	21.53	24.62	26.36	28.07	30.18	34.27
350	9.22	10.35	11.46	12.57	13.94	15.29	16.64	19.29	22.40	24.43	27.91	29.86	31.77	34.11	38.63
400	10.24	11.50	12.75	13.99	15.52	17.04	18.54	21.49	24.94	27.19	31.02	33.14	35.23	37.76	42.60
450	11.22	12.61	13.99	15.36	17.05	18.71	20.36	23.59	27.35	29.79	33.93	36.21	38.42	41.11	46.17
500	12.16	13.68	15.18	16.67	18.50	20.31	22.10	25.59	29.63	32.24	36.63	39.03	41.35	44.14	49.31
550	13.05	14.69	16.32	17.92	19.89	21.84	23.75	27.47	31.77	34.52	39.11	41.60	43.99	46.83	51.98
600	13.90	15.66	17.40	19.11	21.22	23.28	25.31	29.25	33.76	36.63	41.37	43.91	46.32	49.15	54.15
650	14.71	16.59	18.43	20.24	22.47	24.65	26.79	30.92	35.60	38.56	43.39	45.94	48.33	51.09	55.78
700	15.49	17.46	19.41	21.32	23.66	25.94	28.18	32.46	37.29	40.30	45.15	47.67	50.00	52.62	56.84
750	16.21	18.29	20.33	22.33	24.77	27.15	29.47	33.89	38.81	41.84	46.65	49.09	51.30	53.71	
800	16.90	19.07	21.20	23.28	25.82	28.28	30.66	35.18	40.16	43.18	47.87	50.18	52.22	54.34	
850	17.55	19.81	22.01	24.17	26.78	29.31	31.75	36.34	41.32	44.30	48.79	50.93	52.73		
900	18.15	20.49	22.77	24.99	27.67	30.26	32.74	37.36	42.30	45.19	49.40	51.31			
950	18.70	21.12	23.46	25.74	28.48	31.11	33.61	38.24	43.08	45.84	49.69				
1000	19.22	21.70	24.10	26.42	29.21	31.86	34.38	38.97	43.66	46.24					
1050	19.68	22.22	24.67	27.03	29.85	32.52	35.03	39.55	44.02	46.39					
1100	20.10	22.69	25.18	27.57	30.40	33.07	35.55	39.96	44.16	46.26					
1150	20.47	23.10	25.62	28.03	30.87	33.51	35.96	40.20	44.07						
1200	20.79	23.45	25.99	28.41	31.23	33.85	36.23	40.27							
1250	21.06	23.75	26.30	28.71	31.51	34.06	36.37	40.16							
1300	21.27	23.98	26.53	28.92	31.68	34.17	36.37	39.87							
1350	21.44	24.15	26.69	29.05	31.75	34.15	36.23								
1400	21.54	24.25	26.77	29.09	31.71	34.00	35.94								
1450	21.60	24.29	26.77	29.04	31.57	33.73	35.50								
1500	21.59	24.25	26.70	28.90	31.31	33.32									
1550	21.52	24.15	26.54	28.66	30.94	32.77									
1600	21.40	23.98	26.29	28.33	30.45										
1650	21.12	23.73	25.96	27.89	29.84										
1700	20.95	23.41	25.54	27.35											
1750	20.64	23.01	25.03	26.70											
1800	20.25	22.53	24.43												
1850	19.80	21.97	23.73												
1900	19.28	21.33													
1950	18.69	20.60													
2000	18.02														



**TABLE 5A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section D ( 32mm. X 19mm.)**

Rev/ min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.5	1.51 and above
50	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.11	0.13
100	0.00	0.03	0.06	0.09	0.11	0.14	0.17	0.20	0.23	0.26
150	0.00	0.04	0.09	0.13	0.17	0.21	0.26	0.30	0.34	0.39
200	0.00	0.06	0.11	0.17	0.23	0.28	0.34	0.40	0.46	0.51
250	0.00	0.07	0.14	0.21	0.29	0.36	0.43	0.50	0.57	0.64
300	0.00	0.09	0.17	0.26	0.34	0.43	0.52	0.60	0.69	0.77
350	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
400	0.00	0.11	0.23	0.34	0.46	0.57	0.69	0.80	0.91	1.03
450	0.00	0.13	0.26	0.39	0.51	0.64	0.77	0.90	1.03	1.16
500	0.00	0.14	0.29	0.43	0.57	0.71	0.86	1.00	1.14	1.28
550	0.00	0.16	0.31	0.47	0.63	0.78	0.95	1.10	1.26	1.41
600	0.00	0.17	0.34	0.52	0.68	0.85	1.03	1.20	1.37	1.54
650	0.00	0.18	0.37	0.56	0.74	0.93	1.12	1.31	1.49	1.67
700	0.00	0.20	0.40	0.60	0.80	1.00	1.21	1.41	1.60	1.80
750	0.00	0.21	0.43	0.64	0.86	1.07	1.29	1.51	1.71	1.93
800	0.00	0.23	0.46	0.69	0.91	1.14	1.38	1.61	1.83	2.05
850	0.00	0.24	0.49	0.73	0.97	1.21	1.46	1.71	1.94	2.18
900	0.00	0.26	0.51	0.77	1.03	1.28	1.55	1.81	2.06	2.31
950	0.00	0.27	0.54	0.82	1.08	1.35	1.64	1.91	2.17	2.44
1000	0.00	0.28	0.57	0.86	1.14	1.42	1.72	2.01	2.29	2.57
1050	0.00	0.30	0.60	0.90	1.20	1.50	1.81	2.11	2.40	2.70
1100	0.00	0.31	0.63	0.94	1.25	1.57	1.89	2.21	2.51	2.82
1150	0.00	0.33	0.66	0.99	1.31	1.64	1.98	2.31	2.63	2.95
1200	0.00	0.34	0.69	1.03	1.37	1.71	2.07	2.41	2.74	3.08
1250	0.00	0.35	0.71	1.07	1.43	1.78	2.15	2.51	2.86	3.21
1300	0.00	0.37	0.74	1.12	1.48	1.85	2.24	2.61	2.97	3.34
1350	0.00	0.38	0.77	1.16	1.54	1.92	2.32	2.71	3.09	3.47
1400	0.00	0.40	0.80	1.20	1.60	1.99	2.41	2.81	3.20	3.60
1450	0.00	0.41	0.83	1.24	1.65	2.07	2.50	2.91	3.31	3.72
1500	0.00	0.43	0.86	1.29	1.71	2.14	2.58	3.01	3.43	3.85
1550	0.00	0.44	0.89	1.33	1.77	2.21	2.67	3.11	3.54	3.98
1600	0.00	0.45	0.91	1.37	1.82	2.28	2.76	3.21	3.66	4.11
1650	0.00	0.47	0.94	1.42	1.88	2.35	2.84	3.31	3.77	4.24
1700	0.00	0.48	0.97	1.46	1.94	2.42	2.93	3.41	3.89	4.37
1750	0.00	0.50	1.00	1.50	2.00	2.49	3.01	3.51	4.00	4.49
1800	0.00	0.51	1.03	1.55	2.05	2.56	3.10	3.61	4.11	4.62
1850	0.00	0.53	1.06	1.59	2.11	2.64	3.19	3.72	4.23	4.75
1900	0.00	0.54	1.09	1.63	2.17	2.71	3.27	3.82	4.34	4.88
1950	0.00	0.55	1.11	1.67	2.22	2.78	3.36	3.92	4.46	5.01
2000	0.00	0.57	1.14	1.72	2.28	2.85	3.44	4.02	4.57	5.14



**TABLE 6A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section E ( 38mm. X 23mm. )**

Rev/ min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.03	1.04 to 1.06	1.07 to 1.08	1.09 to 1.12	1.13 to 1.16	1.17 to 1.22	1.23 to 1.32	1.33 to 1.5	1.51 and above
50	0.00	0.02	0.05	0.07	0.09	0.12	0.14	0.17	0.19	0.21
100	0.00	0.05	0.09	0.14	0.19	0.24	0.29	0.33	0.38	0.43
150	0.00	0.07	0.14	0.21	0.28	0.35	0.43	0.50	0.57	0.64
200	0.00	0.09	0.19	0.28	0.38	0.47	0.57	0.67	0.76	0.85
250	0.00	0.12	0.24	0.36	0.47	0.59	0.71	0.83	0.95	1.06
300	0.00	0.14	0.28	0.43	0.57	0.71	0.86	1.00	1.14	1.28
350	0.00	0.16	0.33	0.50	0.66	0.83	1.00	1.16	1.33	1.49
400	0.00	0.19	0.38	0.57	0.76	0.94	1.14	1.33	1.51	1.70
450	0.00	0.21	0.43	0.64	0.85	1.06	1.28	1.50	1.70	1.91
500	0.00	0.24	0.47	0.71	0.94	1.18	1.43	1.66	1.89	2.13
550	0.00	0.26	0.52	0.78	1.04	1.30	1.57	1.83	2.08	2.34
600	0.00	0.28	0.57	0.85	1.13	1.42	1.71	2.00	2.27	2.55
650	0.00	0.31	0.62	0.92	1.23	1.53	1.85	2.16	2.46	2.77
700	0.00	0.33	0.66	1.00	1.32	1.65	2.00	2.33	2.65	2.98
750	0.00	0.35	0.71	1.07	1.42	1.77	2.14	2.50	2.84	3.19
800	0.00	0.38	0.76	1.14	1.51	1.89	2.28	2.66	3.03	3.40
850	0.00	0.40	0.80	1.21	1.61	2.01	2.43	2.83	3.22	3.62
900	0.00	0.42	0.85	1.28	1.70	2.12	2.57	2.99	3.41	3.83
950	0.00	0.45	0.90	1.35	1.79	2.24	2.71	3.16	3.60	4.04
1000	0.00	0.47	0.95	1.42	1.89	2.36	2.85	3.33	3.79	4.25
1050	0.00	0.49	0.99	1.49	1.98	2.48	3.00	3.49	3.98	4.47
1100	0.00	0.52	1.04	1.56	2.08	2.60	3.14	3.66	4.17	4.68
1150	0.00	0.54	1.09	1.64	2.17	2.71	3.28	3.83	4.36	4.89
1200	0.00	0.56	1.14	1.71	2.27	2.83	3.42	3.99	4.54	5.11
1250	0.00	0.59	1.18	1.78	2.36	2.95	3.57	4.16	4.73	5.32
1300	0.00	0.61	1.23	1.85	2.46	3.07	3.71	4.32	4.92	5.53
1350	0.00	0.64	1.28	1.92	2.55	3.19	3.85	4.49	5.11	5.74
1400	0.00	0.66	1.32	1.99	2.64	3.30	3.99	4.66	5.30	5.96

**TABLE 7: HORSE POWER RATINGS (kW)**
**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**
**Section SPZ ( 10mm. X 8mm.)**

Rev/min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	63	71	75	80	85	90	100	106	112	118	125	132	140	150	160
100	0.10	0.13	0.15	0.16	0.18	0.20	0.24	0.26	0.28	0.30	0.33	0.35	0.38	0.41	0.45
200	0.18	0.24	0.27	0.30	0.34	0.37	0.44	0.48	0.52	0.56	0.61	0.66	0.71	0.78	0.85
300	0.25	0.34	0.38	0.43	0.48	0.53	0.63	0.69	0.75	0.81	0.88	0.95	1.03	1.13	1.23
400	0.32	0.43	0.48	0.55	0.62	0.68	0.82	0.90	0.97	1.05	1.14	1.23	1.34	1.46	1.59
500	0.39	0.52	0.59	0.67	0.75	0.83	0.99	1.09	1.19	1.28	1.39	1.51	1.63	1.79	1.94
600	0.45	0.61	0.68	0.78	0.88	0.98	1.17	1.28	1.40	1.51	1.64	1.77	1.92	2.11	2.29
700	0.51	0.69	0.78	0.89	1.00	1.11	1.34	1.47	1.60	1.73	1.88	2.03	2.20	2.42	2.63
800	0.56	0.77	0.87	1.00	1.12	1.25	1.50	1.65	1.80	1.94	2.12	2.29	2.48	2.72	2.96
900	0.62	0.85	0.96	1.10	1.24	1.38	1.66	1.83	1.99	2.16	2.35	2.54	2.75	3.02	3.28
1000	0.67	0.92	1.05	1.20	1.36	1.51	1.82	2.00	2.18	2.36	2.57	2.78	3.02	3.31	3.60
1100	0.72	1.00	1.13	1.30	1.47	1.64	1.98	2.17	2.37	2.57	2.80	3.02	3.28	3.60	3.91
1200	0.77	1.07	1.22	1.40	1.58	1.77	2.13	2.34	2.56	2.77	3.01	3.26	3.54	3.88	4.22
1300	0.82	1.14	1.30	1.50	1.69	1.89	2.28	2.51	2.74	2.97	3.23	3.49	3.79	4.15	4.52
1400	0.87	1.21	1.38	1.59	1.80	2.01	2.42	2.67	2.92	3.16	3.44	3.72	4.03	4.43	4.81
1500	0.91	1.28	1.46	1.68	1.91	2.13	2.57	2.83	3.09	3.35	3.65	3.94	4.28	4.69	5.10
1600	0.96	1.34	1.54	1.77	2.01	2.25	2.71	2.99	3.26	3.54	3.85	4.16	4.52	4.95	5.38
1700	1.00	1.41	1.61	1.86	2.11	2.36	2.85	3.14	3.43	3.72	4.05	4.38	4.75	5.21	5.66
1800	1.04	1.47	1.69	1.95	2.21	2.47	2.99	3.30	3.60	3.90	4.25	4.59	4.98	5.46	5.93
1900	1.08	1.53	1.76	2.04	2.31	2.58	3.13	3.45	3.76	4.08	4.44	4.80	5.20	5.70	6.19
2000	1.12	1.60	1.83	2.12	2.41	2.69	3.26	3.59	3.92	4.25	4.63	5.00	5.42	5.94	6.45
2100	1.16	1.66	1.90	2.20	2.50	2.80	3.39	3.74	4.08	4.42	4.81	5.20	5.64	6.17	6.70
2200	1.20	1.71	1.97	2.28	2.60	2.91	3.52	3.88	4.24	4.59	5.00	5.40	5.85	6.40	6.94
2300	1.24	1.77	2.04	2.36	2.69	3.01	3.64	4.02	4.39	4.75	5.17	5.59	6.05	6.62	7.18
2400	1.27	1.83	2.10	2.44	2.78	3.11	3.77	4.15	4.54	4.91	5.35	5.77	6.25	6.84	7.41
2500	1.31	1.88	2.17	2.52	2.87	3.21	3.89	4.29	4.68	5.07	5.52	5.96	6.45	7.05	7.63
2600	1.34	1.94	2.23	2.59	2.95	3.31	4.01	4.42	4.83	5.23	5.68	6.13	6.64	7.25	7.84
2700	1.37	1.99	2.29	2.67	3.04	3.40	4.12	4.55	4.96	5.38	5.85	6.31	6.82	7.45	8.05
2800	1.41	2.04	2.35	2.74	3.12	3.50	4.24	4.67	5.10	5.52	6.00	6.47	7.00	7.64	8.25
2900	1.44	2.09	2.41	2.81	3.20	3.59	4.35	4.80	5.23	5.67	6.16	6.64	7.17	7.82	8.44
3000	1.47	2.14	2.47	2.88	3.28	3.68	4.46	4.92	5.36	5.80	6.31	7.10	7.34	8.00	8.63
3200	1.53	2.23	2.58	3.01	3.44	3.85	4.67	5.15	5.61	6.07	6.59	7.38	7.66	8.33	8.97
3400	1.58	2.32	2.69	3.14	3.58	4.02	4.87	5.37	5.85	6.32	6.86	7.64	7.95	8.63	9.27
3600	1.63	2.41	2.79	3.26	3.72	4.18	5.06	5.57	6.07	6.56	7.11	7.87	8.22	8.90	9.54
3800	1.68	2.49	2.89	3.38	3.86	4.33	5.24	5.77	6.28	6.78	7.34	8.09	8.46	9.14	9.78
4000	1.72	2.57	2.98	3.49	3.98	4.47	5.41	5.95	6.47	6.98	7.55	8.28	8.67	9.35	9.97
4200	1.76	2.64	3.06	3.59	4.10	4.60	5.56	6.12	6.65	7.16	7.74	8.44	8.86	9.52	
4400	1.80	2.70	3.14	3.68	4.21	4.72	5.71	6.27	6.81	7.33	7.90	8.58	9.01	9.66	
4600	1.83	2.76	3.22	3.77	4.31	4.84	5.84	6.41	6.96	7.47	8.05	8.69	9.14		
4800	1.86	2.82	3.28	3.85	4.41	4.94	5.96	6.54	7.08	7.60	8.17	8.77			
5000	1.88	2.87	3.35	3.93	4.49	5.04	6.07	6.64	7.19	7.71	8.26				
5200	1.90	2.91	3.40	3.99	4.57	5.12	6.16	6.74	7.28	7.79	8.33				
5400	1.91	2.95	3.45	4.05	4.63	5.19	6.24	6.82	7.36	7.85					
5600	1.93	2.98	3.49	4.10	4.69	5.26	6.30	6.88	7.41	7.89					
5800	1.93	3.01	3.53	4.15	4.74	5.31	6.35	6.92	7.44						
6000	1.94	3.03	3.56	4.18	4.78	5.35	6.39	6.95							

**TABLE 7A: HORSE POWER RATINGS (kW)**
**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**
**Section SPZ ( 10mm. X 8mm.)**

Rev/min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and above
100	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02
200	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03
300	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.05
400	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.07
500	0.00	0.01	0.02	0.03	0.05	0.06	0.06	0.07	0.08	0.08
600	0.00	0.01	0.02	0.04	0.05	0.07	0.08	0.09	0.10	0.10
700	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.12
800	0.00	0.01	0.03	0.05	0.07	0.09	0.10	0.12	0.13	0.13
900	0.00	0.01	0.03	0.06	0.08	0.10	0.12	0.13	0.14	0.15
1000	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.17
1100	0.00	0.02	0.04	0.07	0.10	0.12	0.14	0.16	0.17	0.18
1200	0.00	0.02	0.05	0.08	0.11	0.13	0.16	0.17	0.19	0.20
1300	0.00	0.02	0.05	0.09	0.12	0.14	0.17	0.19	0.21	0.22
1400	0.00	0.02	0.05	0.09	0.13	0.15	0.18	0.20	0.22	0.23
1500	0.00	0.02	0.06	0.10	0.14	0.17	0.19	0.22	0.24	0.25
1600	0.00	0.02	0.06	0.11	0.15	0.18	0.21	0.23	0.25	0.27
1700	0.00	0.02	0.07	0.11	0.15	0.19	0.22	0.25	0.27	0.29
1800	0.00	0.03	0.07	0.12	0.16	0.20	0.23	0.26	0.29	0.30
1900	0.00	0.03	0.07	0.13	0.17	0.21	0.25	0.28	0.30	0.32
2000	0.00	0.03	0.08	0.13	0.18	0.22	0.26	0.29	0.32	0.34
2100	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.31	0.33	0.35
2200	0.00	0.03	0.08	0.15	0.20	0.24	0.28	0.32	0.35	0.37
2300	0.00	0.03	0.09	0.15	0.21	0.25	0.30	0.33	0.36	0.39
2400	0.00	0.03	0.09	0.16	0.22	0.26	0.31	0.35	0.38	0.40
2500	0.00	0.04	0.10	0.17	0.23	0.28	0.32	0.36	0.40	0.42
2600	0.00	0.04	0.10	0.17	0.24	0.29	0.34	0.38	0.41	0.44
2700	0.00	0.04	0.10	0.18	0.25	0.30	0.35	0.39	0.43	0.45
2800	0.00	0.04	0.11	0.19	0.25	0.31	0.36	0.41	0.44	0.47
2900	0.00	0.04	0.11	0.19	0.26	0.32	0.37	0.42	0.46	0.49
3000	0.00	0.04	0.12	0.20	0.27	0.33	0.39	0.44	0.48	0.50
3200	0.00	0.05	0.12	0.21	0.29	0.35	0.41	0.47	0.51	0.54
3400	0.00	0.05	0.13	0.23	0.31	0.38	0.44	0.49	0.54	0.57
3600	0.00	0.05	0.14	0.24	0.33	0.40	0.47	0.52	0.57	0.60
3800	0.00	0.05	0.15	0.25	0.35	0.42	0.49	0.55	0.60	0.64
4000	0.00	0.06	0.15	0.27	0.36	0.44	0.52	0.58	0.63	0.67
4200	0.00	0.06	0.16	0.28	0.38	0.46	0.54	0.61	0.67	0.70
4400	0.00	0.06	0.17	0.29	0.40	0.49	0.57	0.64	0.70	0.74
4600	0.00	0.06	0.18	0.31	0.42	0.51	0.59	0.67	0.73	0.77
4800	0.00	0.07	0.18	0.32	0.44	0.53	0.62	0.70	0.76	0.81
5000	0.00	0.07	0.19	0.33	0.46	0.55	0.65	0.73	0.79	0.84
5200	0.00	0.07	0.20	0.35	0.47	0.57	0.67	0.76	0.82	0.87
5400	0.00	0.08	0.21	0.36	0.49	0.60	0.70	0.79	0.86	0.91
5600	0.00	0.08	0.21	0.37	0.51	0.62	0.72	0.81	0.89	0.94
5800	0.00	0.08	0.22	0.39	0.53	0.64	0.75	0.84	0.92	0.97
6000	0.00	0.08	0.23	0.40	0.55	0.66	0.78	0.87	0.95	1.01

**TABLE 8: HORSE POWER RATINGS (kW)**
**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**
**Section SPA ( 13mm. X 10mm. )**

Rev/min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	90	100	106	112	118	125	132	140	150	160	170	180	200	224	250
100	0.23	0.29	0.33	0.37	0.40	0.44	0.49	0.53	0.59	0.65	0.71	0.77	0.88	1.02	1.17
200	0.42	0.54	0.61	0.68	0.74	0.82	0.90	0.99	1.11	1.22	1.33	1.44	1.66	1.93	2.21
300	0.59	0.76	0.86	0.96	1.06	1.18	1.30	1.43	1.59	1.76	1.92	2.08	2.40	2.79	3.20
400	0.75	0.97	1.10	1.23	1.37	1.52	1.67	1.84	2.06	2.27	2.48	2.70	3.12	3.62	4.15
500	0.90	1.17	1.33	1.50	1.66	1.84	2.03	2.24	2.51	2.77	3.03	3.29	3.81	4.42	5.08
600	1.04	1.36	1.56	1.75	1.94	2.16	2.38	2.63	2.94	3.25	3.56	3.87	4.48	5.20	5.97
700	1.18	1.55	1.77	1.99	2.21	2.47	2.72	3.01	3.37	3.73	4.08	4.43	5.13	5.96	6.84
800	1.31	1.73	1.98	2.23	2.48	2.77	3.05	3.38	3.78	4.19	4.59	4.98	5.77	6.70	7.69
900	1.43	1.90	2.18	2.46	2.74	3.06	3.38	3.74	4.19	4.64	5.08	5.52	6.39	7.42	8.51
1000	1.56	2.07	2.38	2.69	2.99	3.34	3.69	4.09	4.59	5.08	5.56	6.04	7.00	8.12	9.31
1100	1.67	2.24	2.57	2.91	3.24	3.62	4.00	4.44	4.97	5.50	6.03	6.56	7.59	8.80	10.08
1200	1.79	2.40	2.76	3.12	3.48	3.89	4.30	4.77	5.35	5.92	6.49	7.05	8.16	9.46	10.83
1300	1.90	2.55	2.94	3.33	3.71	4.16	4.60	5.10	5.72	6.33	6.94	7.54	8.72	10.10	11.55
1400	2.01	2.70	3.12	3.53	3.94	4.42	4.89	5.42	6.08	6.73	7.38	8.01	9.26	10.72	12.24
1500	2.11	2.85	3.29	3.73	4.17	4.67	5.17	5.73	6.43	7.12	7.80	8.47	9.79	11.31	12.90
1600	2.21	2.99	3.46	3.92	4.38	4.92	5.44	6.04	6.77	7.50	8.21	8.92	10.29	11.88	13.53
1700	2.30	3.13	3.63	4.11	4.60	5.16	5.71	6.34	7.11	7.87	8.62	9.35	10.78	12.43	14.13
1800	2.40	3.27	3.79	4.30	4.80	5.39	5.97	6.62	7.43	8.22	9.00	9.77	11.26	12.96	14.70
1900	2.49	3.40	3.94	4.48	5.01	5.62	6.22	6.91	7.75	8.57	9.38	10.17	11.71	13.46	15.23
2000	2.57	3.53	4.09	4.65	5.20	5.84	6.47	7.18	8.05	8.91	9.74	10.56	12.14	13.93	15.73
2100	2.66	3.65	4.24	4.82	5.39	6.06	6.71	7.45	8.35	9.23	10.09	10.94	12.55	14.38	16.19
2200	2.74	2.77	4.38	4.98	5.58	6.27	6.94	7.70	8.63	9.54	10.43	11.29	12.95	14.79	16.61
2300	2.82	3.89	4.52	5.14	5.76	6.47	7.17	7.95	8.91	9.84	10.75	11.63	13.32	15.18	16.99
2400	2.89	4.00	4.65	5.30	5.93	6.66	7.38	8.19	9.17	10.13	11.06	11.96	13.67	15.54	17.33
2500	2.96	4.11	4.78	5.45	6.10	6.85	7.59	8.42	9.43	10.41	11.35	12.27	13.99	15.87	17.63
2600	3.03	4.21	4.90	5.59	6.26	7.04	7.79	8.64	9.67	10.67	11.63	12.56	14.29	16.16	17.89
2700	3.09	4.31	5.02	5.73	6.42	7.21	7.99	8.85	9.90	10.92	11.89	12.83	14.57	16.42	
2800	3.16	4.40	5.14	5.86	6.57	7.38	8.17	9.06	10.13	11.15	12.14	13.08	14.82	16.65	
2900	3.21	4.50	5.25	5.99	6.71	7.54	8.35	9.25	10.34	11.38	12.37	13.32	15.05	16.84	
3000	3.27	4.58	5.35	6.11	6.85	7.69	8.52	9.43	10.53	11.58	12.58	13.53	15.25		
3200	3.37	4.74	5.55	6.33	7.10	7.98	8.83	9.77	10.89	11.96	12.96	13.90	15.57		
3400	3.45	4.89	5.72	6.54	7.33	8.23	9.10	10.06	11.20	12.26	13.26	14.18			
3600	3.52	5.01	5.87	6.71	7.53	8.45	9.34	10.31	11.45	12.51	13.49	14.37			
3800	3.58	5.12	6.00	6.87	7.70	8.64	9.53	10.51	11.65	12.69	13.63				
4000	3.62	5.20	6.11	6.99	7.84	8.79	9.69	10.66	11.78	12.80					
4200	3.65	5.27	6.20	7.09	7.95	8.90	9.80	10.76	11.86						
4400	3.66	5.31	6.26	7.16	8.02	8.98	9.87	10.81	11.87						
4600	3.66	5.34	6.29	7.20	8.07	9.01	9.89	10.81							
4800	3.63	5.34	6.30	7.21	8.07	9.01	9.87								
5000	3.59	5.32	6.28	7.19	8.04	8.96	9.79								

**TABLE 8A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section SPA ( 13mm. X 10mm. )**

Rev/min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and above
100	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.04
200	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.08
300	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.12
400	0.00	0.01	0.04	0.06	0.09	0.10	0.12	0.14	0.15	0.16
500	0.00	0.02	0.04	0.08	0.11	0.13	0.15	0.17	0.19	0.20
600	0.00	0.02	0.05	0.09	0.13	0.16	0.18	0.20	0.22	0.24
700	0.00	0.02	0.06	0.11	0.15	0.18	0.21	0.24	0.26	0.28
800	0.00	0.03	0.07	0.13	0.17	0.21	0.24	0.27	0.30	0.31
900	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.31	0.33	0.35
1000	0.00	0.03	0.09	0.16	0.21	0.26	0.30	0.34	0.37	0.39
1100	0.00	0.04	0.10	0.17	0.23	0.28	0.33	0.37	0.41	0.43
1200	0.00	0.04	0.11	0.19	0.26	0.31	0.36	0.41	0.45	0.47
1300	0.00	0.04	0.12	0.20	0.28	0.34	0.39	0.44	0.48	0.51
1400	0.00	0.05	0.13	0.22	0.30	0.36	0.42	0.48	0.52	0.55
1500	0.00	0.05	0.13	0.24	0.32	0.39	0.45	0.51	0.56	0.59
1600	0.00	0.05	0.14	0.25	0.34	0.41	0.48	0.55	0.59	0.63
1700	0.00	0.06	0.15	0.27	0.36	0.44	0.51	0.58	0.63	0.67
1800	0.00	0.06	0.16	0.28	0.38	0.47	0.54	0.61	0.67	0.71
1900	0.00	0.06	0.17	0.30	0.41	0.49	0.58	0.65	0.71	0.75
2000	0.00	0.07	0.18	0.31	0.43	0.52	0.61	0.68	0.74	0.79
2100	0.00	0.07	0.19	0.33	0.45	0.54	0.64	0.72	0.78	0.83
2200	0.00	0.07	0.20	0.34	0.47	0.57	0.67	0.75	0.82	0.86
2300	0.00	0.08	0.21	0.36	0.49	0.59	0.70	0.78	0.85	0.90
2400	0.00	0.08	0.22	0.38	0.51	0.62	0.73	0.82	0.89	0.94
2500	0.00	0.08	0.22	0.39	0.53	0.65	0.70	0.85	0.93	0.98
2600	0.00	0.09	0.23	0.41	0.55	0.67	0.79	0.89	0.96	1.02
2700	0.00	0.09	0.24	0.42	0.58	0.70	0.82	0.92	1.00	1.06
2800	0.00	0.09	0.25	0.44	0.60	0.72	0.85	0.95	1.04	1.10
2900	0.00	0.10	0.26	0.45	0.62	0.75	0.88	0.99	1.08	1.14
3000	0.00	0.10	0.27	0.47	0.64	0.78	0.91	1.02	1.11	1.18
3200	0.00	0.11	0.29	0.50	0.68	0.83	0.97	1.09	1.19	1.26
3400	0.00	0.11	0.31	0.53	0.73	0.88	1.03	1.16	1.26	1.34
3600	0.00	0.12	0.32	0.56	0.77	0.93	1.09	1.23	1.34	1.42
3800	0.00	0.13	0.34	0.60	0.81	0.98	1.15	1.29	1.41	1.49
4000	0.00	0.13	0.36	0.63	0.85	1.03	1.21	1.36	1.48	1.57
4200	0.00	0.14	0.38	0.66	0.90	1.09	1.27	1.43	1.56	1.65
4400	0.00	0.15	0.40	0.69	0.94	1.14	1.33	1.50	1.63	1.73
4600	0.00	0.15	0.41	0.72	0.98	1.19	1.39	1.57	1.71	1.81
4800	0.00	0.16	0.43	0.75	1.02	1.24	1.45	1.64	1.78	1.89
5000	0.00	0.16	0.45	0.78	1.07	1.29	1.51	1.70	1.86	1.97

Section SPB ( 17mm.X 14mm.)

Rev/min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	150	160	170	180	190	200	212	224	236	250	265	280	315	355	400
100	0.75	0.85	0.94	1.04	1.13	1.22	1.33	1.45	1.56	1.69	1.85	1.96	2.28	2.64	3.04
200	1.38	1.56	1.74	1.92	2.10	2.28	2.49	2.70	2.91	3.16	3.42	3.68	4.29	4.97	5.74
300	1.96	2.22	2.48	2.75	3.01	3.27	3.58	3.88	4.19	4.55	4.93	5.31	6.19	7.18	8.28
400	2.50	2.85	3.19	3.53	3.87	4.21	4.61	5.02	5.42	5.88	6.38	6.87	8.01	9.29	10.72
500	3.02	3.45	3.87	4.29	4.70	5.12	5.61	6.11	6.60	7.16	7.77	8.37	9.76	11.33	13.06
600	3.52	4.02	4.52	5.01	5.51	6.00	6.58	7.16	7.74	8.41	9.12	9.82	11.45	13.28	15.29
700	4.00	4.58	5.15	5.72	6.28	6.85	7.52	8.18	8.84	9.61	10.42	11.23	13.08	15.16	17.43
800	4.47	5.12	5.76	6.40	7.04	7.67	8.42	9.17	9.91	10.77	11.68	12.58	14.65	16.95	19.46
900	4.92	5.64	6.35	7.06	7.77	8.47	9.30	10.13	10.95	11.89	12.89	13.88	16.15	18.66	21.38
1000	5.35	6.14	6.93	7.71	8.48	9.24	10.15	11.05	11.95	12.98	14.07	15.14	17.59	20.29	23.18
1100	5.77	6.63	7.48	8.33	9.16	9.99	10.98	11.95	12.91	14.02	15.19	16.34	18.96	21.82	24.85
1200	6.18	7.10	8.02	8.93	9.83	10.72	11.77	12.81	13.84	15.02	16.27	17.49	20.26	23.25	26.40
1300	6.57	7.56	8.54	9.51	10.47	11.41	12.54	13.64	14.73	15.99	17.30	18.59	21.48	24.58	27.80
1400	6.95	8.00	9.04	10.07	11.08	12.09	13.27	14.44	15.59	16.90	18.28	19.62	22.62	25.81	29.05
1500	7.31	8.43	9.53	10.61	11.68	12.73	13.98	15.20	16.40	17.77	19.21	20.60	23.68	26.92	30.14
1600	7.66	8.83	9.99	11.13	12.25	13.35	14.66	15.93	17.18	18.60	20.08	21.51	24.66	27.90	31.06
1700	8.00	9.23	10.44	11.63	12.80	13.95	15.30	16.62	17.91	19.38	20.89	22.36	25.54	28.77	
1800	8.32	9.60	10.86	12.10	13.32	14.51	15.91	17.27	18.60	20.10	21.65	23.13	26.33	29.49	
1900	8.63	9.96	11.27	12.55	13.81	15.04	16.49	17.89	19.24	20.77	22.34	23.84	27.02		
2000	8.92	10.30	11.66	12.98	14.28	15.55	17.03	18.46	19.84	21.39	22.97	24.47	27.60		
2100	9.20	10.63	12.02	13.39	14.72	16.02	17.53	18.99	20.39	21.95	23.54	25.02	28.08		
2200	9.46	10.93	12.37	13.77	15.13	16.46	18.00	19.47	20.89	22.45	24.03	25.49			
2300	9.70	11.22	12.69	14.13	15.52	16.87	18.42	19.91	21.33	22.89	24.45	25.88			
2400	9.93	11.48	12.99	14.46	15.87	17.24	18.81	20.31	21.72	23.27	24.80				
2500	10.14	11.73	13.27	14.76	16.20	17.58	19.16	20.65	22.06	23.58	25.06				
2600	10.34	11.96	13.53	15.04	16.49	17.88	19.46	20.95	22.34	23.82					
2700	10.52	12.17	13.76	15.28	16.75	18.14	19.72	21.19	22.55						
2800	10.68	12.35	13.96	15.50	16.97	18.36	19.93	21.38	22.71						
2900	10.82	12.52	14.14	15.69	17.16	18.55	20.10	21.52							
3000	10.94	12.66	14.30	15.85	17.32	18.69	20.22								
3200	11.13	12.88	14.52	16.07	17.52	18.85									
3400	11.24	13.00	14.64	16.16	17.56										
3600	11.27	13.02	14.64	16.12											
3800	11.21	12.94	14.51												
4000	11.06	12.75													



**TABLE 9A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section SPB ( 17mm. X 14mm.)**

Rev/min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and above
100	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.07	0.08	0.09
200	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.17
300	0.00	0.02	0.06	0.10	0.14	0.17	0.20	0.22	0.24	0.26
400	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.30	0.33	0.35
500	0.00	0.04	0.10	0.17	0.23	0.28	0.33	0.37	0.41	0.43
600	0.00	0.04	0.12	0.21	0.28	0.34	0.40	0.45	0.49	0.52
700	0.00	0.05	0.14	0.24	0.33	0.40	0.47	0.52	0.57	0.61
800	0.00	0.06	0.16	0.28	0.38	0.45	0.53	0.60	0.65	0.69
900	0.00	0.07	0.18	0.31	0.42	0.51	0.60	0.67	0.73	0.78
1000	0.00	0.07	0.20	0.34	0.47	0.57	0.67	0.75	0.82	0.86
1100	0.00	0.08	0.22	0.38	0.52	0.63	0.73	0.82	0.90	0.95
1200	0.00	0.09	0.24	0.41	0.56	0.68	0.80	0.90	0.98	1.04
1300	0.00	0.09	0.26	0.45	0.61	0.74	0.87	0.97	1.06	1.12
1400	0.00	0.10	0.28	0.48	0.66	0.80	0.93	1.05	1.14	1.21
1500	0.00	0.11	0.30	0.52	0.70	0.85	1.00	1.12	1.22	1.30
1600	0.00	0.12	0.32	0.55	0.75	0.91	1.07	1.20	1.31	1.38
1700	0.00	0.12	0.34	0.59	0.80	0.97	1.13	1.27	1.39	1.47
1800	0.00	0.13	0.36	0.62	0.84	1.02	1.20	1.35	1.47	1.56
1900	0.00	0.14	0.38	0.65	0.89	1.08	1.27	1.42	1.55	1.64
2000	0.00	0.15	0.40	0.69	0.94	1.14	1.33	1.50	1.63	1.73
2100	0.00	0.15	0.42	0.72	0.99	1.19	1.40	1.57	1.71	1.82
2200	0.00	0.16	0.43	0.76	1.03	1.25	1.46	1.65	1.80	1.90
2300	0.00	0.17	0.45	0.79	1.08	1.31	1.53	1.72	1.88	1.99
2400	0.00	0.17	0.47	0.83	1.13	1.36	1.60	1.80	1.96	2.08
2500	0.00	0.18	0.49	0.86	1.17	1.42	1.66	1.87	2.04	2.16
2600	0.00	0.19	0.51	0.90	1.22	1.48	1.73	1.95	2.12	2.25
2700	0.00	0.20	0.53	0.93	1.27	1.54	1.80	2.02	2.20	2.33
2800	0.00	0.20	0.55	0.97	1.31	1.59	1.86	2.10	2.29	2.42
2900	0.00	0.21	0.57	1.00	1.36	1.65	1.93	2.17	2.37	2.51
3000	0.00	0.22	0.59	1.03	1.41	1.71	2.00	2.25	2.45	2.59
3200	0.00	0.23	0.63	1.10	1.50	1.82	2.13	2.40	2.61	2.77
3400	0.00	0.24	0.67	1.17	1.59	1.93	2.26	2.55	2.78	2.94
3600	0.00	0.26	0.71	1.24	1.69	2.05	2.40	2.70	2.94	3.11
3800	0.00	0.28	0.75	1.31	1.78	2.16	2.53	2.85	3.10	3.29
4000	0.00	0.29	0.79	1.38	1.88	2.27	2.66	3.00	3.27	3.46

Section SPC ( 22mm.X 18mm. )

Rev/min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	224	236	250	265	280	300	315	335	355	375	400	450	500	560	600
50	1.08	1.18	1.31	1.44	1.57	1.75	1.88	2.05	2.22	2.40	2.61	3.04	3.46	3.96	4.30
100	1.99	2.19	2.43	2.68	2.93	3.27	3.51	3.85	4.18	4.51	4.92	5.73	6.54	7.50	8.13
150	2.83	3.13	3.47	3.84	4.21	4.70	5.06	5.54	6.03	6.50	7.10	8.29	9.46	10.86	11.78
200	3.63	4.02	4.47	4.95	5.43	6.07	6.54	7.17	7.80	8.43	9.21	10.75	12.28	14.10	15.30
250	4.40	4.88	5.43	6.02	6.61	7.39	7.98	8.75	9.52	10.29	11.25	13.14	15.01	17.23	18.70
300	5.14	5.71	6.36	7.06	7.76	8.68	9.37	10.29	11.20	12.11	13.23	15.46	17.66	20.27	21.99
350	5.86	6.51	7.27	8.07	8.88	9.94	10.73	11.79	12.83	13.87	15.16	17.72	20.24	23.22	25.18
400	6.56	7.29	8.15	9.06	9.96	11.16	12.06	13.25	14.43	15.60	17.05	19.92	22.75	26.09	28.27
450	7.24	8.05	9.01	10.02	11.03	12.36	13.36	14.67	15.98	17.28	18.89	22.07	25.19	28.86	31.26
500	7.90	8.80	9.84	10.96	12.07	13.53	14.62	16.07	17.50	18.92	20.69	24.16	27.56	31.55	34.14
550	8.54	9.53	10.66	11.88	13.08	14.67	15.86	17.43	18.99	20.53	22.44	26.19	29.86	34.13	36.91
600	9.17	10.23	11.47	12.77	14.07	15.79	17.07	18.76	20.44	22.09	24.14	28.16	32.08	36.62	39.56
650	9.79	10.93	12.25	13.65	15.04	16.89	18.25	20.06	21.85	23.62	25.80	30.07	34.22	39.01	42.10
700	10.39	11.60	13.01	14.51	15.99	17.95	19.41	21.33	23.23	25.10	27.41	31.93	36.28	41.30	44.50
750	10.97	12.27	13.76	15.35	16.92	18.99	20.53	22.56	24.57	26.54	28.98	33.71	38.26	43.47	46.77
800	11.55	12.91	14.49	16.16	17.82	20.01	21.63	23.77	25.87	27.94	30.49	35.43	40.16	45.53	48.91
850	12.10	13.54	15.20	16.96	18.71	21.00	22.70	24.94	27.14	29.30	31.95	37.09	41.96	47.46	50.89
900	12.65	14.15	15.89	17.74	19.56	21.96	23.74	26.07	28.36	30.61	33.37	38.67	43.68	49.27	52.73
950	13.18	14.75	16.57	18.50	20.40	22.90	24.75	27.17	29.55	31.88	34.72	40.18	45.29	50.95	54.41
1000	13.69	15.33	17.23	19.24	21.21	23.81	25.73	28.24	30.69	33.10	36.03	41.61	46.81	52.49	55.92
1050	14.19	15.90	17.87	19.95	22.00	24.69	26.67	29.27	31.80	34.27	37.27	42.96	48.22	53.89	57.25
1100	14.68	16.45	18.49	20.65	22.77	25.55	27.59	30.26	32.86	35.39	38.46	44.24	49.52	55.14	58.41
1150	15.15	16.98	19.10	21.32	23.51	26.37	28.47	31.21	33.87	36.46	39.58	45.43	50.71	56.23	
1200	15.61	17.50	19.68	21.97	24.23	27.17	29.32	32.12	34.84	37.48	40.64	46.53	51.78		
1250	16.05	18.00	20.24	22.60	24.92	27.93	30.14	33.00	35.77	38.44	41.64	47.55	52.74		
1300	16.48	18.49	20.79	23.21	25.58	28.67	30.92	33.83	36.64	39.35	42.57	48.47	53.57		
1350	16.89	18.95	21.32	23.80	26.22	29.37	31.66	34.62	37.47	40.19	43.43	49.29			
1400	17.29	19.40	21.82	24.36	26.83	30.04	32.37	35.37	38.24	40.98	44.22	50.02			
1450	17.67	19.83	22.30	24.89	27.42	30.68	33.04	36.07	38.96	41.71	44.94	50.65			
1500	18.03	20.24	22.77	25.41	27.97	31.28	33.67	36.72	39.63	42.38	45.59				
1550	18.38	20.64	23.21	25.89	28.50	31.85	34.26	37.33	40.24	42.98	46.15				
1600	18.71	21.01	23.63	26.36	29.00	32.38	34.81	37.89	40.80	43.52	46.64				
1650	19.03	21.37	24.03	26.79	29.46	32.87	35.32	38.41	41.30	43.99	47.05				
1700	19.32	21.70	24.40	27.20	29.90	33.33	35.78	38.87	41.74	44.39					
1750	19.60	22.02	24.75	27.58	30.30	33.75	36.20	39.28	42.12	44.72					
1800	19.87	22.31	25.08	27.94	30.67	34.14	36.58	39.63	42.43						
1850	20.11	22.59	25.38	28.26	31.01	34.48	36.91	39.93	42.69						
1900	20.34	22.84	25.66	28.56	31.32	34.78	37.20	40.18							
1950	20.54	23.07	25.92	28.83	31.59	35.04	37.44	40.37							
2000	20.73	23.28	26.14	29.06	31.83	35.26	37.63								
2100	21.05	23.64	26.52	29.45	32.19	35.56	37.85								
2200	21.29	23.90	26.79	29.70	32.41	35.68									
2300	21.44	24.06	26.95	29.83	32.47										
2400	21.51	24.13	26.99	29.81											
2500	21.50	24.10	26.91	29.66											
2600	21.39	23.96	26.71												

**TABLE 10A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section SPC ( 22mm. X 18mm.)**

Rev/min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and above
50	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.12
100	0.00	0.02	0.05	0.09	0.13	0.15	0.18	0.20	0.22	0.23
150	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.30	0.33	0.35
200	0.00	0.04	0.11	0.19	0.25	0.31	0.36	0.41	0.44	0.47
250	0.00	0.05	0.13	0.23	0.32	0.38	0.45	0.51	0.55	0.59
300	0.00	0.06	0.16	0.28	0.38	0.46	0.54	0.61	0.66	0.70
350	0.00	0.07	0.19	0.33	0.44	0.54	0.63	0.71	0.77	0.82
400	0.00	0.08	0.21	0.37	0.51	0.62	0.72	0.81	0.88	0.94
450	0.00	0.09	0.24	0.42	0.57	0.69	0.81	0.91	0.99	1.05
500	0.00	0.10	0.27	0.47	0.64	0.77	0.90	1.01	1.11	1.17
550	0.00	0.11	0.29	0.51	0.70	0.85	0.99	1.12	1.22	1.29
600	0.00	0.12	0.32	0.56	0.76	0.92	1.08	1.22	1.33	1.40
650	0.00	0.13	0.35	0.61	0.83	1.00	1.17	1.32	1.44	1.52
700	0.00	0.14	0.37	0.65	0.89	1.08	1.26	1.42	1.55	1.64
750	0.00	0.15	0.40	0.70	0.95	1.15	1.35	1.52	1.66	1.76
800	0.00	0.16	0.43	0.75	1.02	1.23	1.44	1.62	1.77	1.87
850	0.00	0.17	0.46	0.79	1.08	1.31	1.53	1.72	1.88	1.99
900	0.00	0.18	0.48	0.84	1.14	1.39	1.62	1.83	1.99	2.11
950	0.00	0.19	0.51	0.89	1.21	1.46	1.71	1.93	2.10	2.22
1000	0.00	0.20	0.54	0.93	1.27	1.54	1.80	2.03	2.21	2.34
1050	0.00	0.21	0.56	0.98	1.33	1.62	1.89	2.13	2.32	2.46
1100	0.00	0.22	0.59	1.03	1.40	1.69	1.98	2.23	2.43	2.58
1150	0.00	0.23	0.62	1.07	1.46	1.77	2.07	2.33	2.54	2.69
1200	0.00	0.24	0.64	1.12	1.52	1.85	2.16	2.43	2.65	2.81
1250	0.00	0.25	0.67	1.17	1.59	1.92	2.25	2.54	2.76	2.93
1300	0.00	0.26	0.70	1.21	1.65	2.00	2.34	2.64	2.87	3.04
1350	0.00	0.27	0.72	1.26	1.71	2.08	2.43	2.74	2.98	3.16
1400	0.00	0.28	0.75	1.31	1.78	2.15	2.52	2.84	3.09	3.28
1450	0.00	0.28	0.78	1.35	1.84	2.23	2.61	2.94	3.20	3.39
1500	0.00	0.29	0.80	1.40	1.91	2.31	2.70	3.04	3.32	3.51
1550	0.00	0.30	0.83	1.45	1.97	2.39	2.79	3.14	3.43	3.63
1600	0.00	0.31	0.86	1.49	2.03	2.46	2.88	3.25	3.54	3.75
1650	0.00	0.32	0.88	1.54	2.10	2.54	2.97	3.35	3.65	3.86
1700	0.00	0.33	0.91	1.59	2.16	2.62	3.06	3.45	3.76	3.98
1750	0.00	0.34	0.94	1.63	2.22	2.69	3.15	3.55	3.87	4.10
1800	0.00	0.35	0.96	1.68	2.29	2.77	3.24	3.65	3.98	4.21
1850	0.00	0.36	0.99	1.73	2.35	2.85	3.34	3.75	4.09	4.33
1900	0.00	0.37	1.02	1.77	2.41	2.92	3.43	3.85	4.20	4.45
1950	0.00	0.38	1.04	1.82	2.48	3.00	3.52	3.96	4.31	4.57
2000	0.00	0.39	1.07	1.87	2.54	3.08	3.61	4.06	4.42	4.68
2100	0.00	0.41	1.12	1.96	2.67	3.23	3.79	4.26	4.64	4.92
2200	0.00	0.43	1.18	2.05	2.79	3.39	3.97	4.46	4.86	5.15
2300	0.00	0.45	1.23	2.15	2.92	3.54	4.15	4.67	5.08	5.38
2400	0.00	0.47	1.28	2.24	3.05	3.69	4.33	4.87	5.30	5.62
2500	0.00	0.49	1.34	2.33	3.18	3.85	4.51	5.07	5.53	5.85
2600	0.00	0.51	1.40	2.42	3.31	4.01	4.69	5.27	5.76	6.08

**TABLE 11: HORSE POWER RATINGS (kW)**
**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**
**Section 3V ( 10mm. X 8mm. )**

Rev/min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	63	71	75	80	85	90	100	106	112	118	125	132	140	150	160
100	0.10	0.13	0.15	0.16	0.18	0.20	0.24	0.24	0.28	0.30	0.33	0.35	0.38	0.41	0.45
200	0.18	0.24	0.27	0.30	0.34	0.37	0.44	0.44	0.52	0.56	0.61	0.66	0.71	0.78	0.85
300	0.25	0.34	0.38	0.43	0.48	0.53	0.63	0.63	0.75	0.81	0.88	0.95	1.03	1.13	1.23
400	0.32	0.43	0.48	0.55	0.62	0.68	0.82	0.82	0.97	1.05	1.14	1.23	1.34	1.46	1.59
500	0.39	0.52	0.59	0.67	0.75	0.83	0.99	0.99	1.19	1.28	1.39	1.51	1.63	1.79	1.94
600	0.45	0.61	0.68	0.78	0.88	0.98	1.17	1.17	1.40	1.51	1.64	1.77	1.92	2.11	2.29
700	0.51	0.69	0.78	0.89	1.00	1.11	1.34	1.34	1.60	1.73	1.88	2.03	2.20	2.42	2.63
800	0.56	0.77	0.87	1.00	1.12	1.25	1.50	1.50	1.80	1.94	2.12	2.29	2.48	2.72	2.96
900	0.62	0.85	0.96	1.10	1.24	1.38	1.66	1.66	1.99	2.16	2.35	2.54	2.75	3.02	3.28
1000	0.67	0.92	1.05	1.20	1.36	1.51	1.82	1.82	2.18	2.36	2.57	2.78	3.02	3.31	3.60
1100	0.72	1.00	1.13	1.30	1.47	1.64	1.98	1.98	2.37	2.57	2.80	3.02	3.28	3.60	3.91
1200	0.77	1.07	1.22	1.40	1.58	1.77	2.13	2.13	2.56	2.77	3.01	3.26	3.54	3.88	4.22
1300	0.82	1.14	1.30	1.50	1.69	1.89	2.28	2.28	2.74	2.97	3.23	3.49	3.79	4.15	4.52
1400	0.87	1.21	1.38	1.59	1.80	2.01	2.42	2.42	2.92	3.16	3.44	3.72	4.03	4.43	4.81
1500	0.91	1.28	1.46	1.68	1.91	2.13	2.57	2.57	3.09	3.35	3.65	3.94	4.28	4.69	5.10
1600	0.96	1.34	1.54	1.77	2.01	2.25	2.71	2.71	3.26	3.54	3.85	4.16	4.52	4.95	5.38
1700	1.00	1.41	1.61	1.86	2.11	2.36	2.85	2.85	3.43	3.72	4.05	4.38	4.75	5.21	5.66
1800	1.04	1.47	1.69	1.95	2.21	2.47	2.99	2.99	3.60	3.90	4.25	4.59	4.98	5.46	5.93
1900	1.08	1.53	1.76	2.04	2.31	2.58	3.13	3.13	3.76	4.08	4.44	4.80	5.20	5.70	6.19
2000	1.12	1.60	1.83	2.12	2.41	2.69	3.26	3.26	3.92	4.25	4.63	5.00	5.42	5.94	6.45
2100	1.16	1.66	1.90	2.20	2.50	2.80	3.39	3.39	4.08	4.42	4.81	5.20	5.64	6.17	6.70
2200	1.20	1.71	1.97	2.28	2.60	2.91	3.52	3.52	4.24	4.59	5.00	5.40	5.85	6.40	6.94
2300	1.24	1.77	2.04	2.36	2.69	3.01	3.64	3.64	4.39	4.75	5.17	5.59	6.05	6.62	7.18
2400	1.27	1.83	2.10	2.44	2.78	3.11	3.77	3.77	4.54	4.91	5.35	5.77	6.25	6.84	7.41
2500	1.31	1.88	2.17	2.52	2.87	3.21	3.89	3.89	4.68	5.07	5.52	5.96	6.45	7.05	7.63
2600	1.34	1.94	2.23	2.59	2.95	3.31	4.01	4.01	4.83	5.23	5.68	6.13	6.64	7.25	7.84
2700	1.37	1.99	2.29	2.67	3.04	3.40	4.12	4.12	4.96	5.38	5.85	6.31	6.82	7.45	8.05
2800	1.41	2.04	2.35	2.74	3.12	3.50	4.24	4.24	5.10	5.52	6.00	6.47	7.00	7.64	8.25
2900	1.44	2.09	2.41	2.81	3.20	3.59	4.35	4.35	5.23	5.67	6.16	6.64	7.17	7.82	8.44
3000	1.47	2.14	2.47	2.88	3.28	3.68	4.46	4.46	5.36	5.80	6.31	6.80	7.34	8.00	8.63
3200	1.53	2.23	2.58	3.01	3.44	3.85	4.67	4.67	5.61	6.07	6.59	7.10	7.66	8.33	8.97
3400	1.58	2.32	2.69	3.14	3.58	4.02	4.87	4.87	5.85	6.32	6.86	7.38	7.95	8.63	9.27
3600	1.63	2.41	2.79	3.26	3.72	4.18	5.06	5.06	6.07	6.56	7.11	7.64	8.22	8.90	9.54
3800	1.68	2.49	2.89	3.38	3.86	4.33	5.24	5.24	6.28	6.78	7.34	7.87	8.46	9.14	9.78
4000	1.72	2.57	2.98	3.49	3.98	4.47	5.41	5.41	6.47	6.98	7.55	8.09	8.67	9.35	9.97
4200	1.76	2.64	3.06	3.59	4.10	4.60	5.56	5.56	6.65	7.16	7.74	8.28	8.86	9.52	
4400	1.80	2.70	3.14	3.68	4.21	4.72	5.71	5.71	6.81	7.33	7.90	8.44	9.01	9.66	
4600	1.83	2.76	3.22	3.77	4.31	4.84	5.84	5.84	6.96	7.47	8.05	8.58	9.14		
4800	1.86	2.82	3.28	3.85	4.41	4.94	5.96	5.96	7.08	7.60	8.17	8.69			
5000	1.88	2.87	3.35	3.93	4.49	5.04	6.07	6.07	7.19	7.71	8.26	8.77			
5200	1.90	2.91	3.40	3.99	4.57	5.12	6.16	6.16	7.28	7.79	8.33				
5400	1.91	2.95	3.45	4.05	4.63	5.19	6.24	6.24	7.36	7.85					
5600	1.93	2.98	3.49	4.10	4.69	5.26	6.30	6.30	7.41	7.89					
5800	1.93	3.01	3.53	4.15	4.74	5.31	6.35	6.35	7.44						
6000	1.94	3.03	3.56	4.18	4.78	5.35	6.39	6.39							

**TABLE 11A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section 3V ( 10mm. X 8mm.)**

Rev/min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and above
100	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02
200	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03
300	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.05
400	0.00	0.01	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.07
500	0.00	0.01	0.02	0.03	0.05	0.06	0.06	0.07	0.08	0.08
600	0.00	0.01	0.02	0.04	0.05	0.07	0.08	0.09	0.10	0.10
700	0.00	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.12
800	0.00	0.01	0.03	0.05	0.07	0.09	0.10	0.12	0.13	0.13
900	0.00	0.01	0.03	0.06	0.08	0.10	0.12	0.13	0.14	0.15
1000	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.17
1100	0.00	0.02	0.04	0.07	0.10	0.12	0.14	0.16	0.17	0.18
1200	0.00	0.02	0.05	0.08	0.11	0.13	0.16	0.17	0.19	0.20
1300	0.00	0.02	0.05	0.09	0.12	0.14	0.17	0.19	0.21	0.22
1400	0.00	0.02	0.05	0.09	0.13	0.15	0.18	0.20	0.22	0.23
1500	0.00	0.02	0.06	0.10	0.14	0.17	0.19	0.22	0.24	0.25
1600	0.00	0.02	0.06	0.11	0.15	0.18	0.21	0.23	0.25	0.27
1700	0.00	0.02	0.07	0.11	0.15	0.19	0.22	0.25	0.27	0.29
1800	0.00	0.03	0.07	0.12	0.16	0.20	0.23	0.26	0.29	0.30
1900	0.00	0.03	0.07	0.13	0.17	0.21	0.25	0.28	0.30	0.32
2000	0.00	0.03	0.08	0.13	0.18	0.22	0.26	0.29	0.32	0.34
2100	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.31	0.33	0.35
2200	0.00	0.03	0.08	0.15	0.20	0.24	0.28	0.32	0.35	0.37
2300	0.00	0.03	0.09	0.15	0.21	0.25	0.30	0.33	0.36	0.39
2400	0.00	0.03	0.09	0.16	0.22	0.26	0.31	0.35	0.38	0.40
2500	0.00	0.04	0.10	0.17	0.23	0.28	0.32	0.36	0.40	0.42
2600	0.00	0.04	0.10	0.17	0.24	0.29	0.34	0.38	0.41	0.44
2700	0.00	0.04	0.10	0.18	0.25	0.30	0.35	0.39	0.43	0.45
2800	0.00	0.04	0.11	0.19	0.25	0.31	0.36	0.41	0.44	0.47
2900	0.00	0.04	0.11	0.19	0.26	0.32	0.37	0.42	0.46	0.49
3000	0.00	0.04	0.12	0.20	0.27	0.33	0.39	0.44	0.48	0.50
3200	0.00	0.05	0.12	0.21	0.29	0.35	0.41	0.47	0.51	0.54
3400	0.00	0.05	0.13	0.23	0.31	0.38	0.44	0.49	0.54	0.57
3600	0.00	0.05	0.14	0.24	0.33	0.40	0.47	0.52	0.57	0.60
3800	0.00	0.05	0.15	0.25	0.35	0.42	0.49	0.55	0.60	0.64
4000	0.00	0.06	0.15	0.25	0.36	0.44	0.52	0.58	0.63	0.67
4200	0.00	0.06	0.16	0.28	0.38	0.46	0.54	0.61	0.67	0.70
4400	0.00	0.06	0.17	0.29	0.40	0.49	0.57	0.64	0.70	0.74
4600	0.00	0.06	0.18	0.31	0.42	0.51	0.59	0.67	0.73	0.77
4800	0.00	0.07	0.18	0.32	0.44	0.53	0.62	0.70	0.76	0.81
5000	0.00	0.07	0.19	0.33	0.46	0.55	0.65	0.73	0.79	0.84
5200	0.00	0.07	0.20	0.35	0.47	0.57	0.67	0.76	0.82	0.87
5400	0.00	0.08	0.21	0.36	0.49	0.60	0.70	0.79	0.86	0.91
5600	0.00	0.08	0.21	0.37	0.51	0.62	0.72	0.81	0.89	0.94
5800	0.00	0.08	0.22	0.39	0.53	0.64	0.75	0.84	0.92	0.97
6000	0.00	0.08	0.23	0.40	0.55	0.66	0.78	0.87	0.95	1.01

### Section 5V ( 16mm.X 14mm.)

Rev/min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	150	160	170	180	190	200	212	224	236	250	265	280	315	355	400
100	0.75	0.85	0.94	1.04	1.13	1.22	1.33	1.45	1.56	1.69	1.82	1.96	2.28	2.64	3.04
200	1.38	1.56	1.74	1.92	2.10	2.28	2.49	2.70	2.91	3.16	3.42	3.68	4.29	4.97	5.74
300	1.96	2.22	2.48	2.75	3.01	3.27	3.58	3.88	4.19	4.55	4.93	5.31	6.19	7.18	8.28
400	2.50	2.85	3.19	3.53	3.87	4.21	4.61	5.02	5.42	5.88	6.38	6.87	8.01	9.29	10.72
500	3.02	3.45	3.87	4.29	4.70	5.12	5.61	6.11	6.60	7.16	7.77	8.37	9.76	11.33	13.06
600	3.52	4.02	4.52	5.01	5.51	6.00	6.58	7.16	7.74	8.41	9.12	9.82	11.45	13.28	15.29
700	4.00	4.58	5.15	5.72	6.28	6.85	7.52	8.18	8.84	9.61	10.42	11.23	13.08	15.16	17.43
800	4.47	5.12	5.76	6.40	7.04	7.67	8.42	9.17	9.91	10.77	11.68	12.58	14.65	16.95	19.46
900	4.92	5.64	6.35	7.06	7.77	8.47	9.30	10.13	10.95	11.89	12.89	13.88	16.15	18.66	21.38
1000	5.35	6.14	6.93	7.71	8.48	9.24	10.15	11.05	11.95	12.98	14.07	15.14	17.59	20.29	23.18
1100	5.77	6.63	7.48	8.33	9.16	9.99	10.98	11.95	12.91	14.02	15.19	16.34	18.96	21.82	24.85
1200	6.18	7.10	8.02	8.93	9.83	10.72	11.77	12.81	13.84	15.02	16.27	17.49	20.26	23.25	26.40
1300	6.57	7.56	8.54	9.51	10.47	11.41	12.54	13.64	14.73	15.99	17.30	18.59	21.48	24.58	27.80
1400	6.95	8.00	9.04	10.07	11.08	12.09	13.27	14.44	15.59	16.90	18.28	19.62	22.62	25.81	29.05
1500	7.31	8.43	9.53	10.61	11.68	12.73	13.98	15.20	16.40	17.77	19.21	20.60	23.68	26.92	30.14
1600	7.66	8.83	9.99	11.13	12.25	13.35	14.66	15.93	17.18	18.60	20.08	21.51	24.66	27.90	31.06
1700	8.00	9.23	10.44	11.63	12.80	13.95	15.30	16.62	17.91	19.38	20.89	22.36	25.54	28.77	
1800	8.32	9.60	10.86	12.10	13.32	14.51	15.91	17.27	18.60	20.10	21.65	23.13	26.33	29.49	
1900	8.63	9.96	11.27	12.55	13.81	15.04	16.49	17.89	19.24	20.77	22.34	23.84	27.02		
2000	8.92	10.30	11.66	12.98	14.28	15.55	17.03	18.46	19.84	21.39	22.97	24.47	27.60		
2100	9.20	10.63	12.02	13.39	14.72	16.02	17.53	18.99	20.39	21.95	23.54	25.02	28.08		
2200	9.46	10.93	12.37	13.77	15.13	16.46	18.00	19.47	20.89	22.45	24.03	25.49			
2300	9.70	11.22	12.69	14.13	15.52	16.87	18.42	19.91	21.33	22.89	24.45	25.88			
2400	9.93	11.48	12.99	14.46	15.87	17.24	18.81	20.31	21.72	23.27	24.80				
2500	10.14	11.73	13.27	14.76	16.20	17.58	19.16	20.65	22.06	23.58	25.06				
2600	10.34	11.96	13.53	15.04	16.49	17.88	19.46	20.95	22.34	23.82					
2700	10.52	12.17	13.76	15.28	16.75	18.14	19.72	21.19	22.55						
2800	10.68	12.35	13.96	15.50	16.97	18.36	19.93	21.38	22.71						
2900	10.82	12.52	14.14	15.69	17.16	18.55	20.10	21.52							
3000	10.94	12.66	14.30	15.85	17.32	18.69	20.22								
3200	11.13	12.88	14.52	16.07	17.52	18.79									
3400	11.24	13.00	14.64	16.16	17.56	18.87									
3600	11.27	13.02	14.64	16.12											
3800	11.21	12.94	14.51												
4000	11.06	12.75													

**TABLE 12A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section 5V ( 16mm. X 14mm. )**

Rev/min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and above
100	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.07	0.08	0.09
200	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.17
300	0.00	0.02	0.06	0.10	0.14	0.17	0.20	0.22	0.24	0.26
400	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.30	0.33	0.35
500	0.00	0.04	0.10	0.17	0.23	0.28	0.33	0.37	0.41	0.43
600	0.00	0.04	0.12	0.21	0.28	0.34	0.40	0.45	0.49	0.52
700	0.00	0.05	0.14	0.24	0.33	0.40	0.47	0.52	0.57	0.61
800	0.00	0.06	0.16	0.28	0.38	0.45	0.53	0.60	0.65	0.69
900	0.00	0.07	0.18	0.31	0.42	0.51	0.60	0.67	0.73	0.78
1000	0.00	0.07	0.20	0.34	0.47	0.57	0.67	0.75	0.82	0.86
1100	0.00	0.08	0.22	0.38	0.52	0.63	0.73	0.82	0.90	0.95
1200	0.00	0.09	0.24	0.41	0.56	0.68	0.80	0.90	0.98	1.04
1300	0.00	0.09	0.26	0.45	0.61	0.74	0.87	0.97	1.06	1.12
1400	0.00	0.10	0.28	0.48	0.66	0.80	0.93	1.05	1.14	1.21
1500	0.00	0.11	0.30	0.52	0.70	0.85	1.00	1.12	1.22	1.30
1600	0.00	0.12	0.32	0.55	0.75	0.91	1.07	1.20	1.31	1.38
1700	0.00	0.12	0.34	0.59	0.80	0.97	1.13	1.27	1.39	1.47
1800	0.00	0.13	0.36	0.62	0.84	1.02	1.20	1.35	1.47	1.56
1900	0.00	0.14	0.38	0.65	0.89	1.08	1.27	1.42	1.55	1.64
2000	0.00	0.15	0.40	0.69	0.94	1.14	1.33	1.50	1.63	1.73
2100	0.00	0.15	0.42	0.72	0.99	1.19	1.40	1.57	1.71	1.82
2200	0.00	0.16	0.43	0.76	1.03	1.25	1.46	1.65	1.80	1.90
2300	0.00	0.17	0.45	0.79	1.08	1.31	1.53	1.72	1.88	1.99
2400	0.00	0.17	0.47	0.83	1.13	1.36	1.60	1.80	1.96	2.08
2500	0.00	0.18	0.49	0.86	1.17	1.42	1.66	1.87	2.04	2.16
2600	0.00	0.19	0.51	0.90	1.22	1.48	1.73	1.95	2.12	2.25
2700	0.00	0.20	0.53	0.93	1.27	1.54	1.80	2.02	2.20	2.33
2800	0.00	0.20	0.55	0.97	1.31	1.59	1.86	2.10	2.29	2.42
2900	0.00	0.21	0.57	1.00	1.36	1.65	1.93	2.17	2.37	2.51
3000	0.00	0.22	0.59	1.03	1.41	1.71	1.93	2.25	2.45	2.59
3200	0.00	0.23	0.63	1.10	1.50	1.82	1.93	2.40	2.61	2.77
3400	0.00	0.25	0.67	1.17	1.59	1.93	1.93	2.55	2.78	2.94
3600	0.00	0.26	0.71	1.24	1.69	2.05	1.93	2.70	2.94	3.11
3800	0.00	0.28	0.75	1.31	1.78	2.16	1.93	2.85	3.10	3.29
4000	0.00	0.29	0.79	1.38	1.88	2.27	1.93	3.00	3.27	3.46



**Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley**  
**Section 8V ( 25mm. X 23mm. )**

Rev/min of Faster Shaft	POWER RATING FOR SMALLER PULLEY PITCH DIAMETER OF														
	3 15	335	355	375	400	425	450	475	500	530	560	600	630	670	750
50	2.36	2.62	2.89	3.15	3.48	3.80	4.13	4.45	4.78	5.16	5.55	6.06	6.44	6.95	7.96
100	4.35	4.86	5.36	5.87	6.49	7.12	7.74	8.36	8.97	9.71	10.44	11.42	12.15	13.11	15.03
150	6.21	6.95	7.68	8.42	9.33	10.24	11.14	12.04	12.94	14.01	15.08	16.49	17.55	18.95	21.73
200	7.97	8.93	9.89	10.85	12.04	13.22	14.40	15.58	16.74	18.14	19.52	21.36	22.73	24.55	28.15
250	9.65	10.84	12.02	13.19	14.65	16.11	17.55	18.99	20.41	22.12	23.81	26.06	27.73	29.94	34.31
300	11.28	12.68	14.07	15.46	17.18	18.89	20.59	22.29	23.97	25.97	27.96	30.59	32.55	35.13	40.23
350	12.85	14.46	16.06	17.66	19.63	21.60	23.55	25.48	27.41	29.70	31.97	34.97	37.19	40.13	45.90
400	14.37	16.19	17.99	19.79	22.01	24.22	26.41	28.58	30.74	33.30	35.84	39.18	41.66	44.93	51.32
450	15.85	17.86	19.87	21.85	24.32	26.76	29.18	31.58	33.96	36.78	39.57	43.24	45.96	49.52	56.46
500	17.28	19.49	21.68	23.86	26.56	29.23	31.87	34.48	37.07	40.14	43.17	47.14	50.07	53.90	61.33
550	18.66	21.06	23.45	25.81	28.73	31.61	34.47	37.29	40.07	43.37	46.61	50.86	53.98	58.05	65.89
600	20.01	22.59	25.15	27.69	30.82	33.92	36.97	39.99	42.96	46.47	49.91	54.40	57.69	61.97	70.13
650	21.30	24.07	26.81	29.51	32.85	36.14	39.39	42.58	45.72	49.42	53.05	57.75	61.19	65.63	74.03
700	22.56	25.50	28.40	31.27	34.81	38.29	41.71	45.07	48.36	52.24	56.02	60.91	64.46	69.03	77.57
750	23.77	26.88	29.94	32.97	36.69	40.34	43.92	47.44	50.88	54.90	58.82	63.86	67.50	72.15	80.74
800	24.94	28.21	31.43	34.60	38.49	42.31	46.04	49.69	53.25	57.41	61.44	66.59	70.29	74.98	83.50
850	26.07	29.49	32.85	36.16	40.22	44.18	48.05	51.82	55.49	59.76	63.87	69.10	72.82	77.50	85.85
900	27.15	30.71	34.21	37.65	41.86	45.96	49.95	53.83	57.59	61.94	66.11	71.36	75.07	79.69	
950	28.18	31.88	35.52	39.08	43.42	47.64	51.74	55.70	59.53	63.94	68.14	73.38	77.05	81.55	
1000	29.17	33.00	36.75	40.43	44.89	49.22	53.41	57.44	61.32	65.76	69.95	75.14	78.73		
1050	30.10	34.06	37.93	41.70	46.28	50.70	54.96	59.04	62.94	67.39	71.55	76.64	80.09		
1100	30.99	35.06	39.03	42.90	47.57	52.07	56.38	60.49	64.40	68.81	72.91	77.85			
1150	31.83	36.00	40.07	44.01	48.77	53.32	57.67	61.79	65.68	70.04	74.03				
1200	32.61	36.89	41.03	45.05	49.87	54.47	58.82	62.93	66.78	71.05					
1250	33.34	37.70	41.93	46.00	50.87	55.49	59.84	63.91	67.70	71.84					
1300	34.02	38.46	42.74	46.86	51.76	56.39	60.71	64.73	68.42						
1350	34.64	39.15	43.48	47.63	52.55	57.16	61.44	65.37							
1400	35.20	39.77	44.14	48.31	53.23	57.80	62.01	65.83							
1450	35.70	40.32	44.72	48.90	53.80	58.31	62.42								
1500	36.15	40.80	45.22	49.39	54.24	58.68									
1550	36.53	41.20	45.63	49.78	54.57	58.90									
1600	36.85	41.54	45.95	50.06	54.78										
1650	37.10	41.79	46.18	50.24	54.86										
1700	37.29	41.97	46.32	50.32											
1750	37.40	42.06	46.36	50.28											
1800	37.45	42.07	46.31												
1850	37.43	42.00	46.15												
1900	37.34	41.84													
1950	37.17	41.60													
2000	36.93														



**TABLE 13A: HORSE POWER RATINGS (kW)****Nominal Power Rating in (kW) with 180 Deg Arc of Contact on Smaller Pulley****Section 8V ( 25mm. X 23mm. )**

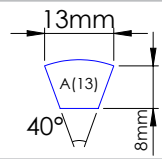
Rev/min of Faster Shaft	ADDITIONAL POWER (kW) PER BELT FOR TRANSMISSION RATIO OF									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.39 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and above
50	0.00	0.02	0.05	0.09	0.13	0.16	0.18	0.21	0.22	0.24
100	0.00	0.04	0.11	0.19	0.26	0.31	0.37	0.41	0.45	0.47
150	0.00	0.06	0.16	0.28	0.39	0.47	0.55	0.62	0.67	0.71
200	0.00	0.08	0.22	0.38	0.52	0.62	0.73	0.82	0.90	0.95
250	0.00	0.10	0.27	0.47	0.64	0.78	0.91	1.03	1.12	1.19
300	0.00	0.12	0.32	0.57	0.77	0.94	1.10	1.24	1.35	1.42
350	0.00	0.14	0.38	0.66	0.90	1.09	1.28	1.44	1.57	1.66
400	0.00	0.16	0.43	0.76	1.03	1.25	1.46	1.65	1.79	1.90
450	0.00	0.18	0.49	0.85	1.16	1.40	1.65	1.85	2.02	2.14
500	0.00	0.20	0.54	0.94	1.29	1.56	1.83	2.06	2.24	2.37
550	0.00	0.22	0.60	1.04	1.42	1.72	2.01	2.27	2.47	2.61
600	0.00	0.24	0.65	1.13	1.55	1.87	2.19	2.47	2.69	2.85
650	0.00	0.26	0.70	1.23	1.68	2.03	2.38	2.68	2.92	3.09
700	0.00	0.28	0.76	1.32	1.80	2.18	2.56	2.88	3.14	3.32
750	0.00	0.30	0.81	1.42	1.93	2.34	2.74	3.09	3.36	3.56
800	0.00	0.32	0.87	1.51	2.06	2.50	2.93	3.29	3.59	3.80
850	0.00	0.34	0.92	1.60	2.19	2.65	3.11	3.50	3.81	4.04
900	0.00	0.36	0.97	1.70	2.32	2.81	3.29	3.71	4.04	4.27
950	0.00	0.38	1.03	1.79	2.45	2.97	3.47	3.91	4.26	4.51
1000	0.00	0.40	1.08	1.89	2.58	3.12	3.66	4.12	4.49	4.75
1050	0.00	0.42	1.14	1.98	2.71	3.28	3.84	4.32	4.71	4.99
1100	0.00	0.44	1.19	2.08	2.83	3.43	4.02	4.53	4.93	5.22
1150	0.00	0.46	1.25	2.17	2.96	3.59	4.21	4.74	5.16	5.46
1200	0.00	0.48	1.30	2.27	3.09	3.75	4.39	4.94	5.38	5.70
1250	0.00	0.50	1.35	2.36	3.22	3.90	4.57	5.15	5.61	5.94
1300	0.00	0.52	1.41	2.45	3.35	4.06	4.76	5.35	5.83	6.17
1350	0.00	0.54	1.46	2.55	3.48	4.21	4.94	5.56	6.06	6.41
1400	0.00	0.56	1.52	2.64	3.61	4.37	5.12	5.77	6.28	6.65
1450	0.00	0.58	1.57	2.74	3.74	4.53	5.30	5.97	6.50	6.89
1500	0.00	0.60	1.62	2.83	3.87	4.68	5.49	6.18	6.73	7.12
1550	0.00	0.62	1.68	2.93	3.99	4.84	5.67	6.38	6.95	7.36
1600	0.00	0.64	1.73	3.02	4.12	4.99	5.85	6.59	7.18	7.60
1650	0.00	0.66	1.79	3.11	4.25	5.15	6.04	6.80	7.40	7.84
1700	0.00	0.68	1.84	3.21	4.38	5.31	6.22	7.00	7.62	8.07
1750	0.00	0.70	1.90	3.30	4.51	5.46	6.40	7.21	7.85	8.31
1800	0.00	0.72	1.95	3.40	4.64	5.62	6.58	7.41	8.07	8.55
1850	0.00	0.74	2.00	3.49	4.77	5.77	6.77	7.62	8.30	8.79
1900	0.00	0.76	2.06	3.59	4.90	5.93	6.95	7.83	8.52	9.02
1950	0.00	0.78	2.11	3.68	5.03	6.09	7.13	8.03	8.75	9.26
2000	0.00	0.79	2.17	3.78	5.15	6.24	7.32	8.24	8.97	9.50



# ENDURA HI-TECH 'CORE' WRAPPED BELTS

TABLE 2A

## Classical Section:A



**Top Width:** 13.0 mm; **Thickness:** 8.0 mm; **Angle:** 40

**Standard:** BS 3790, IS 2494, ISO 4184

**Ambient Temperature Range:** + 80 C to -18 C

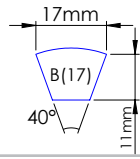
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
A19	519	138.0	A55	1433	256.0	A91	2347	425.0	A140	3592	701.0
A20	544	140.0	A56	1458	257.0	A92	2373	433.0	A144	3694	707.0
A21	569	143.0	A57	1484	259.0	A93	2398	439.0	A146	3744	719.0
A22	595	145.0	A58	1509	260.0	A94	2424	456.0	A150	3846	724.0
A23	620	146.0	A59	1535	263.0	A95	2449	460.0	A152	3897	729.0
A24	646	147.0	A60	1560	270.0	A96	2474	462.0	A156	3998	738.0
A25	671	149.0	A61	1585	281.0	A97	2500	468.0	A158	4049	743.0
A26	696	149.0	A62	1611	284.0	A98	2525	477.0	A160	4100	754.0
A27	722	151.0	A63	1636	286.0	A99	2551	481.0	A165	4227	778.0
A28	747	153.0	A64	1662	287.0	A100	2576	487.0	A168	4303	796.0
A29	773	158.0	A65	1687	290.0	A101	2601	491.0	A170	4354	807.0
A30	798	161.0	A66	1712	295.0	A102	2627	493.0	A172	4405	821.0
A31	823	167.0	A67	1738	298.0	A103	2652	496.0	A173	4430	829.0
A32	849	176.0	A68	1763	303.0	A104	2678	499.0	A175	4481	837.0
A33	874	180.0	A69	1789	305.0	A105	2703	505.0	A178	4557	845.0
A34	900	184.0	A70	1814	308.0	A106	2728	510.0	A180	4608	854.0
A35	925	189.0	A71	1839	315.0	A107	2754	516.0	A182	4659	862.0
A36	950	194.0	A72	1865	317.0	A108	2779	521.0	A185	4735	874.0
A37	976	195.0	A73	1890	321.0	A110	2830	534.0	A190	4862	882.0
A38	1001	200.0	A74	1916	323.0	A112	2881	553.0	A192	4913	892.0
A39	1027	203.0	A75	1941	326.0	A113	2906	564.0	A195	4989	904.0
A40	1052	205.0	A76	1966	328.0	A114	2932	575.0	A200	5116	917.0
A41	1077	207.0	A77	1992	332.0	A115	2957	576.0	A205	5243	948.0
A42	1103	211.0	A78	2017	336.0	A116	2982	583.0			
A43	1128	215.0	A79	2043	339.0	A118	3033	585.0			
A44	1154	217.0	A80	2068	343.0	A120	3084	594.0			
A45	1179	219.0	A81	2093	345.0	A122	3135	598.0			
A46	1204	225.0	A82	2119	360.0	A124	3186	610.0			
A47	1230	229.0	A83	2144	365.0	A125	3211	617.0			
A48	1255	235.0	A84	2170	374.0	A126	3236	638.0			
A49	1281	238.0	A85	2195	380.0	A128	3287	647.0			
A50	1306	240.0	A86	2220	385.0	A130	3338	654.0			
A51	1331	248.0	A87	2246	395.0	A132	3389	660.0			
A52	1357	252.0	A88	2271	404.0	A134	3440	669.0			
A53	1382	253.0	A89	2297	413.0	A136	3490	684.0			
A54	1408	255.0	A90	2322	419.0	A138	3541	692.0			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 2B

## Classical Section:B

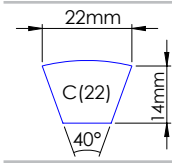
**Top Width:** 17.0 mm; **Thickness:** 11.0 mm; **Angle:** 40**Standard:** BS 3790, IS 2494, ISO 4184**Ambient Temperature Range:** + 80 C to -18 C**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
B22	602	187.0	B58	1516	350.0	B94	2431	625.0	B130	3345	880.0	B190	4869	1271.0
B23	627	189.0	B59	1542	354.0	B95	2456	633.0	B132	3396	887.0	B195	4996	1310.0
B24	653	195.0	B60	1567	355.0	B96	2481	642.0	B134	3447	898.0	B200	5123	1335.0
B25	678	200.0	B61	1592	357.0	B97	2507	644.0	B135	3472	906.0	B204	5225	1365.0
B26	703	207.0	B62	1618	360.0	B98	2532	652.0	B136	3497	915.0	B205	5250	1380.0
B27	729	211.0	B63	1643	365.0	B99	2558	653.0	B138	3548	923.0	B210	5377	1409.0
B28	754	213.0	B64	1669	370.0	B100	2583	657.0	B140	3599	932.0	B225	5758	1518.0
B29	780	216.0	B65	1694	375.0	B101	2608	663.0	B142	3650	947.0	B238	6088	1602.0
B30	805	222.0	B66	1719	390.0	B102	2634	669.0	B144	3701	956.0	B250	6393	1683.0
B31	830	227.0	B67	1745	409.0	B103	2659	675.0	B145	3726	988.0	B260	6647	1740.0
B32	856	233.0	B68	1770	414.0	B104	2685	682.0	B146	3751	1004.0	B275	7028	1831.0
B33	881	237.0	B69	1796	421.0	B105	2710	692.0	B148	3802	1027.0	B300	7663	1997.0
B34	907	241.0	B70	1821	427.0	B106	2735	707.0	B150	3853	1043.0	B310	7917	2049.0
B35	932	243.0	B71	1846	431.0	B107	2761	714.0	B152	3904	1051.0	B440	11219	2885.0
B36	957	246.0	B72	1872	438.0	B108	2786	719.0	B154	3955	1059.0			
B37	983	251.0	B73	1897	443.0	B109	2812	728.0	B155	3980	1064.0			
B38	1008	253.0	B74	1923	449.0	B110	2837	734.0	B156	4005	1068.0			
B39	1034	255.0	B75	1948	451.0	B111	2862	741.0	B158	4056	1071.0			
B40	1059	256.0	B76	1973	456.0	B112	2888	751.0	B160	4107	1083.0			
B41	1084	257.0	B77	1999	464.0	B113	2913	759.0	B162	4158	1098.0			
B42	1110	264.0	B78	2024	468.0	B114	2939	767.0	B164	4209	1105.0			
B43	1135	266.0	B79	2050	475.0	B115	2964	785.0	B165	4234	1117.0			
B44	1161	272.0	B80	2075	483.0	B116	2989	792.0	B166	4259	1135.0			
B45	1186	280.0	B81	2100	492.0	B117	3015	797.0	B168	4310	1145.0			
B46	1211	291.0	B82	2126	498.0	B118	3040	806.0	B169	4336	1151.0			
B47	1237	293.0	B83	2151	503.0	B119	3066	812.0	B170	4361	1152.0			
B48	1262	298.0	B84	2177	515.0	B120	3091	822.0	B172	4412	1161.0			
B49	1288	300.0	B85	2202	525.0	B121	3116	831.0	B173	4437	1167.0			
B50	1313	303.0	B86	2227	538.0	B122	3142	834.0	B175	4488	1175.0			
B51	1338	311.0	B87	2253	547.0	B123	3167	836.0	B176	4513	1184.0			
B52	1364	314.0	B88	2278	558.0	B124	3193	841.0	B178	4564	1189.0			
B53	1389	317.0	B89	2304	576.0	B125	3218	844.0	B180	4615	1195.0			
B54	1415	327.0	B90	2329	591.0	B126	3243	847.0	B182	4666	1204.0			
B55	1440	334.0	B91	2354	598.0	B127	3269	850.0	B184	4717	1219.0			
B56	1465	340.0	B92	2380	607.0	B128	3294	856.0	B185	4742	1240.0			
B57	1491	344.0	B93	2405	615.0	B129	3320	872.0	B188	4818	1257.0			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 2C

## Classical Section:C

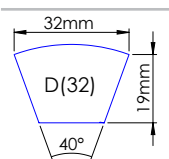
**Top Width:** 22.0 mm; **Thickness:** 14.0 mm; **Angle:** 40**Standard:** BS 3790, IS 2494, ISO 4184**Ambient Temperature Range:** + 80 C to -18 C**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
C36	914	970	C72	1829	1885	C108	2743	2799	C146	3708	3764	C218	5537	5593
C37	940	996	C73	1854	1910	C109	2769	2825	C148	3759	3815	C220	5588	5644
C38	965	1021	C74	1880	1936	C110	2794	2850	C150	3810	3866	C225	5715	5771
C39	991	1047	C75	1905	1961	C111	2819	2875	C152	3861	3917	C228	5791	5847
C40	1016	1072	C76	1930	1986	C112	2845	2901	C154	3912	3968	C230	5842	5898
C41	1041	1097	C77	1956	2012	C113	2870	2926	C155	3937	3993	C235	5969	6025
C42	1067	1123	C78	1981	2037	C114	2896	2952	C156	3962	4018	C238	6045	6101
C43	1092	1148	C79	2007	2063	C115	2921	2977	C158	4013	4069	C240	6096	6152
C44	1118	1174	C80	2032	2088	C116	2946	3002	C160	4064	4120	C245	6223	6279
C45	1143	1199	C81	2057	2113	C117	2972	3028	C162	4115	4171	C248	6299	6355
C46	1168	1224	C82	2083	2139	C118	2997	3053	C164	4166	4222	C250	6350	6406
C47	1194	1250	C83	2108	2164	C119	3023	3079	C165	4191	4247	C255	6477	6533
C48	1219	1275	C84	2134	2190	C120	3048	3104	C166	4216	4272	C260	6604	6660
C49	1245	1301	C85	2159	2215	C121	3073	3129	C168	4267	4323	C268	6807	6863
C50	1270	1326	C86	2184	2240	C122	3099	3155	C169	4293	4349	C270	6858	6914
C51	1295	1351	C87	2210	2266	C123	3124	3180	C170	4318	4374	C275	6985	7041
C52	1321	1377	C88	2235	2291	C124	3150	3206	C172	4369	4425	C280	7112	7168
C53	1346	1402	C89	2261	2317	C125	3175	3231	C173	4394	4450	C285	7239	7295
C54	1372	1428	C90	2286	2342	C126	3200	3256	C174	4420	4476	C290	7366	7422
C55	1397	1453	C91	2311	2367	C127	3226	3282	C175	4445	4501	C300	7620	7676
C56	1422	1478	C92	2337	2393	C128	3251	3307	C178	4521	4577	C328	8331	8387
C57	1448	1504	C93	2362	2418	C130	3302	3358	C180	4572	4628	C358	9093	9149
C58	1473	1529	C94	2388	2444	C131	3327	3383	C182	4623	4679	C418	10617	10673
C59	1499	1555	C95	2413	2469	C132	3353	3409	C184	4674	4730			
C60	1524	1580	C96	2438	2494	C133	3378	3434	C185	4699	4755			
C61	1549	1605	C97	2464	2520	C134	3404	3460	C188	4775	4831			
C62	1575	1631	C98	2489	2545	C135	3429	3485	C190	4826	4882			
C63	1600	1656	C99	2515	2571	C136	3454	3510	C192	4877	4933			
C64	1626	1682	C100	2540	2596	C137	3480	3536	C195	4953	5009			
C65	1651	1707	C101	2565	2621	C138	3505	3561	C198	5029	5085			
C66	1676	1732	C102	2591	2647	C139	3531	3587	C200	5080	5136			
C67	1702	1758	C103	2616	2672	C140	3556	3612	C204	5182	5238			
C68	1727	1783	C104	2642	2698	C141	3581	3637	C205	5207	5263			
C69	1753	1809	C105	2667	2723	C142	3607	3663	C208	5283	5339			
C70	1778	1834	C106	2692	2748	C144	3658	3714	C210	5334	5390			
C71	1803	1859	C107	2718	2774	C145	3683	3739	C215	5461	5517			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 2D

## Classical Section:D



**Top Width:** 32.0 mm; **Thickness:** 19.0 mm; **Angle:** 40

**Standard:** BS 3790, IS 2494, ISO 4184

**Ambient Temperature Range:**

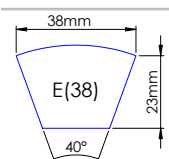
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
D75	1984	1538.0	D116	3025	1973.0	D168	4346	2871.0	D248	6378	4537.0	D478	12220.2	9809.0
D80	2111	1547.0	D120	3127	2029.0	D173	4473	2963.0	D250	6429	4597.0	D538	13744.2	11135.0
D82	2162	1581.0	D122	3178	2070.0	D175	4524	3002.0	D258	6632	4742.0			
D84	2213	1608.0	D128	3330	2160.0	D180	4651	3125.0	D260	6683	4783.0			
D85	2238	1635.0	D130	3381	2171.0	D185	4778	3188.0	D268	6886	4923.0			
D88	2314	1684.0	D132	3432	2226.0	D190	4905	3327.0	D280	7191	5197.0			
D90	2365	1722.0	D134	3483	2261.0	D195	5032	3480.0	D285	7318	5282.0			
D95	2492	1738.0	D136	3533	2290.0	D204	5261	3654.0	D290	7445	5366.0			
D96	2517	1746.0	D138	3584	2345.0	D210	5413	3770.0	D298	7648	5508.0			
D98	2568	1756.0	D140	3635	2374.0	D215	5540	3919.0	D300	7699	5525.0			
D100	2619	1767.0	D144	3737	2473.0	D220	5667	3996.0	D314	8055	5761.0			
D102	2670	1779.0	D150	3889	2607.0	D225	5794	4083.0	D320	8207	5861.0			
D105	2746	1795.0	D152	3940	2613.0	D228	5870	4152.0	D328	8410	6003.0			
D108	2822	1819.0	D158	4092	2722.0	D230	5921	4193.0	D358	9172	6587.0			
D110	2873	1843.0	D160	4143	2756.0	D238	6124	4347.0	D390	9985	8047.0			
D112	2924	1896.0	D162	4194	2765.0	D240	6175	4387.0	D418	10696	8585.0			
D114	2975	1932.0	D165	4270	2815.0	D245	6302	4397.0	D450	11509	9260.0			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 2E

## Classical Section:E



**Top Width:** 38.0 mm; **Thickness:** 23.0 mm; **Angle:** 40

**Standard:** IS 2494

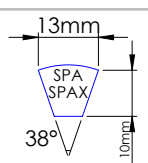
**Ambient Temperature Range:**

**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
E180	4664	5396.0	E268	6899	8188.0	E374	9592	11688.0	E478	12233	14519.0
E195	5045	5871.0	E298	7661	9093.0	E394	10100	12339.0	E538	13757	15273.0
E210	5426	6371.0	E328	8423	9976.0	E418	10709	12810.0			
E238	6137	7181.0	E358	9185	10888.0	E450	11522	13674.0			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

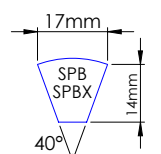
TABLE 2F

**Wedge Section:SPA****Top Width:** 13.0 mm; **Thickness:** 10.0 mm; **Angle:** 40**Standard:** IS 2494**Temperature Range:****Features:** Antistatic, Oil and Heat Resistant

Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
SPA800	800	238.00	SPA1320	1320	339.00	SPA2180	2180	534.00
SPA825	825	241.00	SPA1340	1340	347.00	SPA2200	2200	542.00
SPA850	850	249.00	SPA1360	1360	351.00	SPA2240	2240	548.00
SPA875	875	254.00	SPA1400	1400	364.00	SPA2280	2280	559.00
SPA900	900	256.00	SPA1437	1437	368.00	SPA2300	2300	564.00
SPA925	925	261.00	SPA1450	1450	382.00	SPA2360	2360	571.00
SPA950	950	264.00	SPA1475	1475	384.00	SPA2430	2430	592.00
SPA975	975	267.00	SPA1500	1500	392.00	SPA2500	2500	610.00
SPA1000	100	274.00	SPA1550	1550	397.00	SPA2580	2580	616.00
SPA1030	1030	280.00	SPA1600	1600	405.00	SPA2650	2650	638.00
SPA1060	1060	284.00	SPA1650	1650	415.00	SPA2720	2720	657.00
SPA1080	1080	287.00	SPA1700	1700	426.00	SPA2800	2800	666.00
SPA1090	1090	289.00	SPA1750	1750	442.00	SPA2900	2900	687.00
SPA1100	1100	293.00	SPA1800	1800	451.00	SPA3000	3000	707.00
SPA1120	1120	297.00	SPA1850	1850	457.00	SPA3150	3150	741.00
SPA1150	1150	310.00	SPA1900	1900	463.00	SPA3350	3350	785.00
SPA1180	1180	313.00	SPA1925	1925	480.00	SPA3550	3550	838.00
SPA1200	1200	318.00	SPA1950	1950	485.00	SPA3750	3750	894.00
SPA1220	1220	322.00	SPA2000	2000	497.00	SPA4000	4000	942.00
SPA1250	1250	326.00	SPA2057	2057	510.00	SPA4250	4250	994.00
SPA1280	1280	330.00	SPA2060	2060	513.00	SPA4500	4500	1051.00
SPA1300	1300	336.00	SPA2120	2120	524.00			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
 Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 26

**Wedge Section:SPB****Top Width:** 17.0 mm; **Thickness:** 14.0 mm; **Angle:** 40**Standard:** IS 2494**Temperature Range:****Features:** Antistatic, Oil and Heat Resistant

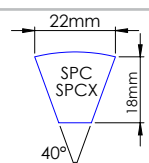
Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
SPB1250	1250	433.00	SPB2400	2400	811.00	SPB4060	4060	1410.00
SPB1260	1260	439.00	SPB2410	2410	821.00	SPB4250	4250	1474.00
SPB1320	1320	449.00	SPB2500	2500	849.00	SPB4310	4310	1503.00
SPB1340	1340	457.00	SPB2530	2530	870.00	SPB4500	4500	1559.00
SPB1400	1400	483.00	SPB2600	2600	890.00	SPB4560	4560	1591.00
SPB1410	1410	487.00	SPB2650	2650	908.00	SPB4750	4750	1656.00
SPB1500	1500	493.00	SPB2680	2680	923.00	SPB4820	4820	1673.00
SPB1550	1550	507.00	SPB2700	2700	932.00	SPB5000	5000	1745.00
SPB1600	1600	530.00	SPB2750	2750	943.00	SPB5070	5070	1776.00
SPB1700	1700	551.00	SPB2800	2800	963.00	SPB5300	5300	1837.00
SPB1750	1750	568.00	SPB2840	2840	977.00	SPB5380	5380	1876.00
SPB1800	1800	587.00	SPB2900	2900	1003.00	SPB5600	5600	1954.00
SPB1900	1900	615.00	SPB3000	3000	1035.00	SPB5880	5880	2025.00
SPB2000	2000	654.00	SPB3100	3100	1052.00	SPB6000	6000	2082.00
SPB2020	2020	682.00	SPB3150	3150	1090.00	SPB6300	6300	2196.00
SPB2060	2060	694.00	SPB3170	3170	1103.00	SPB6340	6340	2209.00
SPB2120	2120	717.00	SPB3350	3350	1158.00	SPB6700	6700	2349.00
SPB2150	2150	737.00	SPB3550	3550	1226.00	SPB7100	7100	2495.00
SPB2240	2240	768.00	SPB3750	3750	1274.00	SPB7500	7500	2637.00
SPB2280	2280	782.00	SPB3800	3800	1317.00	SPB8000	8000	2821.00
SPB2360	2360	801.00	SPB4000	4000	1394.00			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
 Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request



TABLE 2H

## Wedge Section:SPC



**Top Width:** 22.0 mm; **Thickness:** 18.0 mm; **Angle:** 40

**Standard:** IS 2494

**Temperature Range:**

**Features:** Antistatic, Oil and Heat Resistant

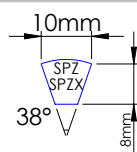
Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
SPC2000	2000	1134.00	SPC3350	3350	1878.00	SPC5300	5300	2996.00	SPC8500	8500	4796.00
SPC2120	2120	1192.00	SPC3550	3550	1987.00	SPC5480	5480	3095.00	SPC9000	9000	5100.00
SPC2240	2240	1263.00	SPC3600	3600	2037.00	SPC5600	5600	3173.00	SPC9500	9500	5384.00
SPC2360	2360	1346.00	SPC3750	3750	2103.00	SPC6000	6000	3399.00	SPC10600	10600	6014.00
SPC2500	2500	1407.00	SPC4000	4000	2240.00	SPC6300	6300	3561.00	SPC11200	11200	6344.00
SPC2650	2650	1489.00	SPC4250	4250	2414.00	SPC6700	6700	3790.00	SPC11800	11800	6696.00
SPC2800	2800	1572.00	SPC4500	4500	2551.00	SPC7100	7100	4019.00	SPC12500	12500	7084.00
SPC3000	3000	1689.00	SPC4750	4750	2676.00	SPC7500	7500	4242.00			
SPC3150	3150	1792.00	SPC5000	5000	2815.00	SPC8000	8000	4524.00			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request

Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 2I

## Wedge Section:SPZ



**Top Width:** 10.0 mm; **Thickness:** 8.0 mm; **Angle:** 40

**Standard:** IS 2494

**Temperature Range:**

**Features:** Antistatic, Oil and Heat Resistant

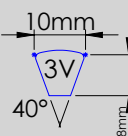
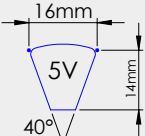
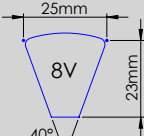
Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
SPZ630	630	140.00	SPZ1140	1140	207.00	SPZ1450	1450	266.00	SPZ2100	2100	368.00
SPZ670	670	144.00	SPZ1170	1170	210.00	SPZ1470	1470	269.00	SPZ2120	2120	378.00
SPZ710	710	147.00	SPZ1180	1180	215.00	SPZ1500	1500	272.00	SPZ2160	2160	382.00
SPZ750	750	149.00	SPZ1200	1200	221.00	SPZ1520	1520	275.00	SPZ2240	2240	389.00
SPZ760	760	157.00	SPZ1220	1220	225.00	SPZ1560	1560	280.00	SPZ2280	2280	404.00
SPZ800	800	161.00	SPZ1250	1250	228.00	SPZ1600	1600	284.00	SPZ2410	2410	420.00
SPZ825	825	165.00	SPZ1270	1270	234.00	SPZ1650	1650	295.00	SPZ2500	2500	428.00
SPZ850	850	171.00	SPZ1300	1300	241.00	SPZ1700	1700	300.00	SPZ2540	2540	444.00
SPZ900	900	175.00	SPZ1320	1320	247.00	SPZ1720	1720	306.00	SPZ2650	2650	454.00
SPZ940	940	178.00	SPZ1340	1340	249.00	SPZ1737	1737	313.00	SPZ2680	2680	467.00
SPZ1000	1000	190.00	SPZ1348	1348	252.00	SPZ1787	1787	318.00	SPZ2800	2800	476.00
SPZ1010	1010	194.00	SPZ1358	1358	255.00	SPZ1800	1800	323.00	SPZ2840	2840	490.00
SPZ1050	1050	198.00	SPZ1375	1375	256.00	SPZ1850	1850	327.00	SPZ3000	3000	515.00
SPZ1080	1080	200.00	SPZ1400	1400	259.00	SPZ1900	1900	336.00			
SPZ1100	1100	203.00	SPZ1420	1420	260.00	SPZ2000	2000	356.00			
SPZ1120	1120	205.00	SPZ1440	1440	264.00	SPZ2030	2030	363.00			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request

Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 2J

## Narrow Section

SECTION-3V			SECTION-5V			SECTION-8V		
 <p>Top Width: 10.0 mm Thickness: 8.0 mm Angle:- 38 Standard: RMA IP 22</p>			 <p>Top Width: 16.0 mm Thickness: 14.0 mm Angle:- 38 Standard: RMA IP 22</p>			 <p>Top Width: 25.0 mm Thickness: 23.0 mm Angle:- 38 Standard: RMA IP 22</p>		
Belt Code	O.C Length	Price in INR	Belt Code	O.C Length	Price in INR	Belt Code	O.C Length	Price in INR
3V450	1143	209.00	5V480	1219	432.00	8V1060	2837	2667.00
3V480	1219	223.00	5V500	1270	450.00	8V1120	2990	2818.00
3V500	1270	232.00	5V530	1346	477.00	8V1180	3142	2969.00
3V530	1346	246.00	5V600	1524	540.00	8V1250	3320	3145.00
3V560	1422	260.00	5V630	1600	567.00	8V1400	3701	3522.00
3V600	1524	279.00	5V710	1803	639.00	8V1500	3955	3774.00
3V630	1600	293.00	5V750	1905	675.00	8V1600	4209	4026.00
3V650	1651	313.00	5V800	2032	720.00	8V1700	4463	4277.00
3V670	1702	326.00	5V850	2159	765.00	8V1800	4717	4529.00
3V710	1803	345.00	5V900	2286	810.00	8V1900	4971	4780.00
3V750	1905	351.00	5V950	2413	855.00	8V2000	5225	5032.00
3V770	1956	359.00	5V1000	2540	900.00	8V2120	5530	5334.00
3V780	1981	362.00	5V1060	2692	954.00	8V2240	5835	5636.00
3V790	2007	366.00	5V1120	2845	1008.00	8V2360	6139	5938.00
3V800	2032	370.00	5V1180	2997	1062.00	8V2500	6495	6290.00
3V850	2159	413.00	5V1250	3175	1125.00	8V2650	6876	6667.00
3V900	2286	437.00	5V1320	3353	1188.00	8V2800	7257	7045.00
3V950	2413	462.00	5V1400	3556	1260.00	8V3000	7765	7548.00
3V1000	2540	464.00	5V1500	3810	1350.00	8V3150	8145	7925.00
3V1060	2692	492.00	5V1600	4064	1440.00	8V3350	8654	8429.00
3V1120	2845	520.00	5V1700	4318	1530.00	8V3550	9162	8932.00
3V1180	2997	548.00	5V1800	4572	1620.00	8V3750	9670	9435.00
			5V1900	4826	1710.00	8V4000	10305	10064.00
			5V2000	5080	1800.00	8V4250	10940	10693.00
			5V2120	5385	1908.00	8V4500	11575	11322.00
			5V2240	5690	2016.00	8V4750	12210	11951.00
			5V2360	5994	2124.00	8V5000	12845	12580.00
			5V2500	6350	2250.00			
			5V2650	6731	2385.00			
			5V2800	7112	2520.00			
			5V3000	7620	2750.00			

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 2K

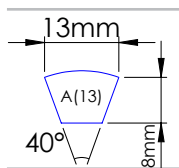
Belt Code	Application	Price in INR
50 X 22 X 1825	Guide Drum-CLASS EPSI '515;LAVERDA '84'	
50 X 22 X 2020	Guide Drum-JOHN DEERE'630' & '330'	
50 X 22 X 2150	Transmission Belt-CLASS EPSI'515'	
50 X 22 X 2170	Guide Drum-G.D.R.;SWARAJ	
50 X 22 X 2350	Guide Drum-RUSSIAN COMBINE	
50 X 22 X 2850	Transmission Belt-G.D.R.	
50 X 22 X 2920	Transmission Belt-SWARAJ	
50 X 22 X 3000	Transmission Belt-SWARAJ	
50 X 22 X 125	Transmission Belt	
50 X 22 X3175	Transmission Belt-JOHN DEERE '630'	
50 X 22 X 3570	Transmission Belt-CK-4 RUSSIAN COMBINE	
50 X 22 X 4000	Transmission Belt-CK-5 RUSSIAN COMBINE	
45 X 20 X 3200	Transmission Belt-JOHN DEERE '630'	
G-900	Reel Belt- CLASS EPSI '51'5'	
G-1100	Blower Belt-JOHN DEERE '330'	
G-1140	Blower Belt-GD.R. & SWARAJ	
75X3200	Flat Belt-JOHN DEERE '330'	
75X3250	Flat Belt-JOHN DEERE '330'	
75 X 3300	Flat Belt-JOHN DEERE '330'	
75 X 3325	Flat Belt-JOHN DEERE '330'	
75 X 3350	Flat Belt-JOHN DEERE '330'	
100 X 3200 / 3250	Flat Belt-JOHN DEERE '330'	
100 X 3300/3325/3350	Flat Belt-JOHN DEERE '630'	
100 X 3400 /3450	Flat Belt-KARTAR COMBINE	
114 X 3200 / 3250	Flat Belt-JOHN DEERE '630'	
114 X 3300/3325/3350	Flat Belt-JOHN DEERE '630'	
114 X 3400 /3450	Flat Belt-JOHN DEERE '630'	
125 X 3300/3325/3350	Flat Belt-JOHN DEERE '630'	
125 X 3400 /3450	Flat Belt-JOHN DEERE '630' BHARAT-930;FT'630'	
125 X 3500 /3550	Flat Belt-KARTAR COMBINE	
125 X 3600 / 3650	Flat Belt-KARTAR COMBINE	
137.5 X 3825/3895	Flat Belt-GD.R. & SWARAJ	
137.5 X 3925	Flat Belt-GD.R. & SWARAJ	
137.5 X 3950	Flat Belt-GD.R. & SWARAJ	
500x5000	Flat Belt-Mud Loader	

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

# ENDURA HI-TECH 'COG' WRAPPED BELTS

TABLE 3A

## Classical Section:AX



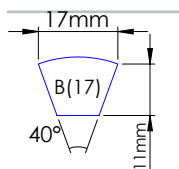
**Top Width:** 13.0 mm; **Thickness:** 8.0 mm; **Angle:** 36  
**Standard:** BS 3790, IS 2494, ISO 4184  
**Ambient Temperature Range:**  
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
AX26	696		AX38	1001		AX50	1306		AX62	1611		AX74	1915.6	
AX27	722		AX39	1027		AX51	1331		AX63	1636		AX75	1941	
AX28	747		AX40	1052		AX52	1357		AX64	1662		AX76	1966.4	
AX29	773		AX41	1077		AX53	1382		AX65	1687		AX77	1991.8	
AX30	798		AX42	1103		AX54	1408		AX66	1712		AX78	2017.2	
AX31	823		AX43	1128		AX55	1433		AX67	1738		AX79	2042.6	
AX32	849		AX44	1154		AX56	1458		AX68	1763		AX80	2068	
AX33	874		AX45	1179		AX57	1484		AX69	1789		AX82	2118.8	
AX34	900		AX46	1204		AX58	1509		AX70	1814		AX83	2144	
AX35	925		AX47	1230		AX59	1535		AX71	1839		AX84	2169.6	
AX36	950		AX48	1255		AX60	1560		AX72	1865		AX85	2195	
AX37	976		AX49	1281		AX61	1585.4		AX73	1890				

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 3B

## Classical Section:BX

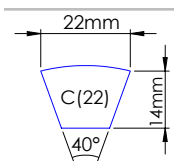


**Top Width:** 17.0 mm; **Thickness:** 11.0 mm; **Angle:** 36  
**Standard:** BS 3790, IS 2494, ISO 4184  
**Ambient Temperature Range:**  
**Features:**

Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
BX26	703		BX41	1084.4		BX55	1440		BX69	1796		BX83	2151.2	
BX28	754		BX42	1109.8		BX56	1465		BX70	1821		BX84	2176.6	
BX29	780		BX43	1135.2		BX57	1491		BX71	1846		BX85	2202	
BX30	805		BX44	1160.6		BX58	1516		BX72	1872		BX86	2227.4	
BX31	830		BX45	1186		BX59	1542		BX73	1897		BX87	2252.8	
BX32	856		BX46	1211.4		BX60	1567		BX74	1923		BX88	2278.2	
BX33	881		BX47	1236.8		BX61	1592		BX75	1948		BX89	2303.6	
BX34	907		BX48	1262.2		BX62	1618		BX76	1973		BX90	2329	
BX35	932		BX49	1287.6		BX63	1643		BX77	1999		BX95	2456	
BX36	957		BX50	1313		BX64	1669		BX78	2024		BX100	2583	
BX37	983		BX51	1338.4		BX65	1694		BX79	2050		BX105	2710	
BX38	1008		BX52	1363.8		BX66	1719		BX80	2075		BX110	2837	
BX39	1034		BX53	1389.2		BX67	1745		BX81	2100		BX120	3091	
BX40	1059		BX54	1414.6		BX68	1770		BX82	2126				

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 3C


**Classical Section: CX****Top Width:** 22.0 mm; **Thickness:** 14.0 mm; **Angle:** 36**Standard:** BS 3790, IS 2494, ISO 4184**Ambient Temperature Range:****Features:**

Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR	Belt Code	Pitch Length	Price in INR
CX38	1021		CX62	1630.8		CX86	2240	
CX40	1072		CX64	1681.6		CX88	2291	
CX42	1123		CX66	1732.4		CX90	2342	
CX44	1174		CX68	1783.2		CX95	2469	
CX46	1224		CX70	1834		CX100	2596	
CX48	1275		CX72	1884.8		CX120	3104	
CX50	1326		CX74	1935.6				
CX52	1377		CX76	1986.4				
CX54	1428		CX78	2037.2				
CX56	1478		CX80	2088				
CX58	1529		CX82	2138.8				
CX60	1580		CX84	2189.6				

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
 Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

# ENDURA HI-TECH ‘HEXA’ WRAPPED BELTS

TABLE 4A

Classical Section:BB			<b>Top Width:</b> 17.0 mm; <b>Thickness:</b> 14.0 mm; <b>Angle:</b> 40 <b>Standard:</b> IS 11038, ISO 5289 <b>Temperature Range:</b> <b>Features:</b> Antistatic, Oil and Heat Resistant						
Belt Code	Price in INR		Belt Code	Price in INR	Belt Code	Price in INR	Belt Code	Price in INR	Belt Code
BB62	442.0	BB78	521.0	BB86	680.0	BB98	779.0	BB114	901.0
BB63	448.0	BB80	545.0	BB88	701.0	BB100	799.0	BB115	916.0
BB68	466.0	BB81	560.0	BB90	712.0	BB102	813.0	BB120	959.0
BB70	468.0	BB82	575.0	BB92	727.0	BB105	833.0		
BB72	477.0	BB83	598.0	BB94	737.0	BB106	854.0		
BB75	492.0	BB84	626.0	BB95	755.0	BB108	864.0		
BB76	507.0	BB85	662.0	BB96	762.0	BB110	879.0		

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

# ENDURA HI-TECH ‘LITE’ WRAPPED BELTS

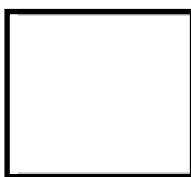
TABLE 5A

Classical Section:FHP				<b>Top Width:</b> 10.0 mm; <b>Thickness:</b> 6.0 mm; <b>Angle:</b> 40 <b>Standard:</b> BS 3790, IS 2494, ISO 4184 <b>Temperature Range:</b> <b>Features:</b> Antistatic, Oil and Heat Resistant					
Belt Code	Price in INR	Belt Code	Price in INR	Belt Code	Price in INR	Belt Code	Price in INR	Belt Code	Price in INR
FHP2170	70.00	FHP2260	85.00	FHP2340	99.00	FHP2410	112.00	FHP2490	124.00
FHP2180	74.00	FHP2270	86.00	FHP2345	101.00	FHP2420	114.00	FHP2500	127.00
FHP2190	75.00	FHP2275	87.00	FHP2350	102.00	FHP2430	116.00		
FHP2200	76.00	FHP2280	88.00	FHP2360	103.00	FHP2440	117.00		
FHP2210	77.00	FHP2290	90.00	FHP2370	105.00	FHP2450	118.00		
FHP2220	78.00	FHP2300	94.00	FHP2375	106.00	FHP2460	119.00		
FHP2230	79.00	FHP2310	96.00	FHP2380	107.00	FHP2470	121.00		
FHP2240	83.00	FHP2320	97.00	FHP2390	108.00	FHP2475	122.00		
FHP2250	84.00	FHP2330	98.00	FHP2400	111.00	FHP2480	123.00		

# ENDURA HI-TECH 'PENTA' BELTS

TABLE 6A

**Classical Section:B**



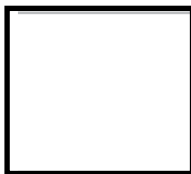
**Top Width:** 17.0 mm; **Thickness:** 22.0 mm; **Angle:** 40  
**Standard:** BS 3790, IS 2494, ISO 4184  
**Temperature Range:**  
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Price in INR	Belt Code	Price in INR	Belt Code	Price in INR
ET-7B90	1298	ET-7B160	2309	ET-7B210	3030
ET-7B120	1731	ET-7B180	2595	ET-7B250	3608
ET-7B150	2162	ET-7B200	2886	ET-7B260	3750

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request

TABLE 6B

**Classical Section:C**



**Top Width:** 22.0 mm; **Thickness:** 25.0 mm; **Angle:** 40  
**Standard:** BS 3790, IS 2494, ISO 4184  
**Temperature Range:**  
**Features:** Antistatic, Oil and Heat Resistant

Belt Code	Price in INR	Belt Code	Price in INR	Belt Code	Price in INR
ET-7C120	2193	ET-7C210	3839	ET-7C260	4752
ET-7C150	2739	ET-7C220	4022	ET-7C270	4931
ET-7C160	2922	ET-7C230	4204	ET-7C280	5115
ET-7C180	3291	ET-7C240	4385	ET-7C290	5298
ET-7C200	3657	ET-7C250	4568	ET-7C300	5480

Belts can be manufactured in Kevlar Cord. MOQ, Manufacturing time and rates are available on request  
Intermediate sizes can be manufactured. MOQ, Manufacturing time and rates are available on request