### Fenner Urives

## **EAGLE** POLYURETHANE BELTING & O-RINGS

ALLER A



YOUR #1 SOURCE FOR POLYURETHANE BELTING!

The possibilities are endless with Eagle Polyurethane and Polyester Belting and O-Rings from Fenner Drives. As a world leader in belting, we have a comprehensive range of high quality non-reinforced and reinforced products.

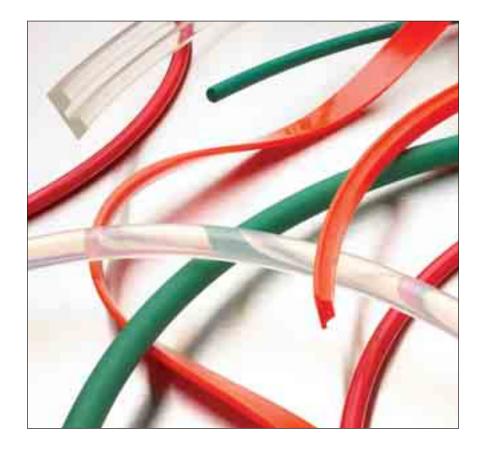
From light, medium or heavy duty conveying to custom profiles, Fenner Drives has the right product for your application.

# Eagle<sup>®</sup> Polyurethane Belting and O-Rings

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Eagle Opaque 80 Eagle Orange 85 Eagle Clear 85 Eagle Ivory 85 Eagle Green 89 Eagle Green 89 T Eagle Red 90 Eagle Beige 95 Eagle Clear 95



Eagle<sup>®</sup> Non-Reinforced Polyurethane Belting — the proven workhorse for material transfer and light-duty power transmission applications.

- Solid polyurethane construction
- Round, V- and flat profiles
- Excellent abrasion resistance
- Self tensioning no take-up required
- Easily welded on site with a Fenner Drives Butt Welding Kit

Eagle Clear 85 QC Eagle Red 85 QC Eagle Yellow 85 QC Eagle Clear 85 TOR



Eagle<sup>®</sup> Non-Reinforced Quick-Connect Polyurethane Belting the quick and easy way to avoid conveyor and system downtime; no welding required.

- Ideal quick fixes zero downtime products
- Twisted O-Rings (TOR) ideal fast fit solution for live roller conveyors
- Twisted loop construction available with plastic or metal hooks
- Round hollow construction available with metal connectors
- No need to dismantle drive components
- Custom colours and durometers available to order

### **FACTORY WELDED ENDLESS BELTING**

### Eagle Endless O-Rings and Fabricated Belts



#### Eagle<sup>®</sup> Endless O-Rings and Fabricated Belts — let us do the work for you and take the hassle out of fabricating your own endless belts.

- Available in all Eagle belting colours and durometers
- For line shaft, live roller, transfer conveyors and light duty power transmission drives
- High coefficient of friction
- Elastic with excellent memory
- Popular 5mm and 6mm sizes in stock
- Custom sizes, colours and durometers are made to order
- Rapid order turnaround for all specials
- For fast fit Twisted O-Rings, see page 5

### **REINFORCED POLYURETHANE BELTING**

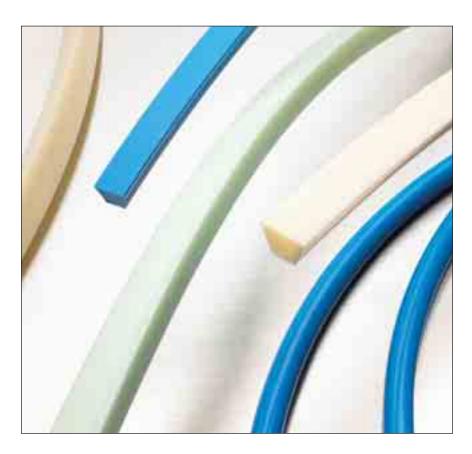
Eagle Opaque 80 R Eagle Hyfen® 85 R Eagle Ivory 85 R Eagle Orange 85 R Eagle Green 89 R Eagle Green 89 RT Eagle Beige 95 R Eagle Hyfen 95 R



Eagle<sup>®</sup> Reinforced Polyurethane Belting — the ideal high-strength, low-stretch choice for longer conveyor lengths, heavier conveyed loads, or medium-duty power transmission applications.

- For more highly loaded applications
- Either polyester cord or tape reinforcement
- High strength low stretch
- Round, V- and Twin V- profiles
- Can be cogged for increased flexibility
- Reinforced belting is not self-tensioning take up the slack with a Fenner Drives T-Max<sup>™</sup> Tensioner

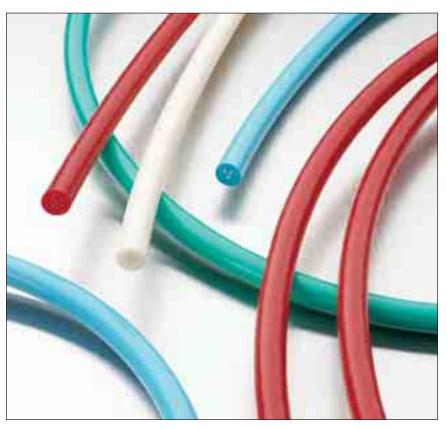
Eagle White 40D Eagle Blue 55D



Eagle<sup>®</sup> Polyester Belting — a low-stretch, hard-wearing option. Ideal for conveying heavy or abrasive materials; also for longer conveyor lengths.

- Made from solid polyester
- Low stretch characteristics
- Ideal for longer spans
- Ideal for conveying heavy materials
- Lower coefficient of friction than polyurethane
- Allows for accumulation while conveying

Eagle Red 50D CC LCF Eagle Blue 55D CC Eagle Natural 55D CC Eagle Green 63D CC Eagle Natural 63D CC

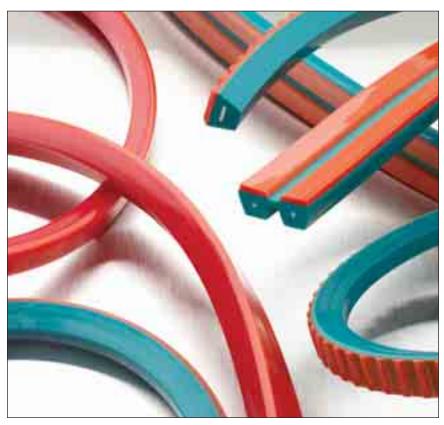


#### Eagle<sup>®</sup> Reinforced Can Cable — when canning lines go down, don't call in the wire splicing team and wait; weld our Can Cables endless in minutes yourself!

- Blue, Green and Natural are 100% polyester reinforced with high tensile cord; Red is a Fenner Drives engineered proprietary polymer blend.
- High performance, low cost alternative to steel cables
- Fast installation a zero downtime product
- Easily welded endless on site with overlap weld kit
- Eagle Red 50D has a lower coefficient of friction (LCF)
- Popular <sup>3</sup>/<sub>8</sub>" (9.5mm) diameter cable available
- Other sizes and colours made to order

### **CO-EXTRUDED POLYURETHANE BELTING**

Eagle Red 85 CXF Eagle Hyfen 85 CXF® Eagle Hyfen 85 CXR®



### Eagle<sup>®</sup> Red 85 & Reinforced Hyfen 85 Co-Extruded Polyurethane Belting — for flat or inclined conveyors, provides extra grip and cushioning.

- Non-reinforced and reinforced versions
- Ultra-grip co-extruded 60A top surface
- Tough 85A base
- Smooth (CXF) and rough (CXR) top surfaces available
- V- and Twin V- profiles
- Integrally bonded top cannot delaminate
- Outperforms all adhesively bonded special surface belts
- Reinforced belting is not self-tensioning use a T-Max<sup>™</sup> Tensioner from Fenner Drives

Eagle Opaque 80 SGT Eagle Ivory 85 SGT Eagle Ivory 85 SGT PU Eagle Ivory 85 RSGT Eagle Ivory 85 RSGT PU Eagle Green 89 SGT Eagle Green 89 RSGT Eagle Red 90 SGT Eagle White 40D SGT



#### Eagle<sup>®</sup> SGT Polyurethane and Polyester Belting — incorporating high grip, low wear top surfaces. Ideally suited for ceramic, woodworking and corrugated conveying applications.

- Polyurethane 80A, 85A, 89A, and 90A base durometers
- Polyester 40D base durometer
- Non-reinforced (SGT) and reinforced (RSGT) versions
- PVC or polyurethane top surfaces available
- PVC SuperGrip Top for high grip non-abrasive materials
- PU SuperGrip Top for heavier duty highly abrasive materials
- Integrally bonded top cannot delaminate
- V-profiles
- Custom top surfaces available on request

Work one on one with our design engineers to develop an optimum solution



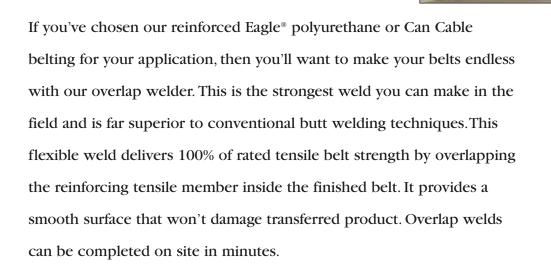
Eagle<sup>®</sup> Custom Belting — our product design and engineering teams work with you to develop the correct belt profile and optimum material selection for your specific application.

- Dual durometers a variety of options are available to utilize the best properties of two different polyurethane materials
- Static dissipative and UV stabilized material options
- Tracking features to fit unique pulleys and drive configurations
- Ridged profiles for reduced product contact surface
- Larger surface areas to lower unit pressure on heavy or sensitive product surfaces

### WELDING KITS

### **OVERLAP WELDING**

Kit Includes: Bench Clamp, Hot Knife, Set of Dies, Flash Cutters, Cutting Shears, Carrying Case



### **BUTT WELDING**

Kit Includes: Large Clamp or Mini Clamp, Hot Knife, Flash Cutters, Cutting Shears, Carrying Case

Take the hassle out of fabricating endless non-reinforced polyurethane belts with the Fenner Drives Butt Welding System. The kit provides a fast, economical way to join all non-reinforced Eagle belting and even hollow Quick-Connect. Our unique clamping tool is the easiest and most reliable to use and ensures proper alignment of belt ends. For belting larger than 14mm and C, D, E and Twin V-profiles, Fenner Drives offers a 3" hot knife for a more effective weld.





Fenner Drives' Overlap Welder is designed exclusively to produce an overlap joint in Eagle® Reinforced Belting and Eagle Non-Reinforced Belting. A proper overlap weld will yield around 100% of the belt's ultimate tensile strength. With the tools provided and these instructions, proper overlap welding technique can be achieved. Note: A clean environment can contribute to ensuring a proper weld. Make sure the area is well ventilated and free of dust, dirt, and draft. Practice makes perfect. We strongly encourage getting familiar with the welder and practicing on a short piece of belt before making a final weld on the belt.

1. Securely fasten the welding fixture to mounting surface.

2. Examine the coated hot knife blade for scratches. A scratched or damaged surface can affect weld results; heating element may need to be replaced.

3. Plug the hot knife into a 240v (or 110/120v, as appropriate) socket and preheat for ten minutes. Once hot, use a clean, dry cloth to gently remove any urethane residue from previous welding from the coated surface. Warning: Do not use any object to scrape urethane from surface.

4. Select the belt profile jigs to suit the belt section being joined. Belt profiles are marked clearly on the top of each jig. Remove black fixing nuts on the top of the welding fixture. Fit the selected belt profile jig into place by locating on the pins (see Figure 1). Jigs for round profiles are in two pieces; jigs for V-section profiles are in three pieces. For V-section jigs, fit two pieces at the rear and one at the front. Ensure that the required profile

faces inwards and that identical profiles face each other.

5. Secure the fixing nuts to hold jigs in place.



Figure 1

6. Using the belt cutters provided, cut the belt to the required length as outlined in the Technical Data section in this catalogue. Note: 38mm should be added to the nominal length to allow for the overlap joint. Cut each end of belt at a 15° angle and trim off any debris from cut ends.

7. For reinforced belts, use the fixed depth drill bits provided to drill out the reinforced cord section at both ends (see Figure 2). See Table 1 to determine the appropriate drill bit.



Figure 2

8. Slide one belt end into the rear profile jig from the left until it extends from the profile jig by 2 - 3mm on the right side. Tighten screw X (Figure 3) to hold belt end in place.

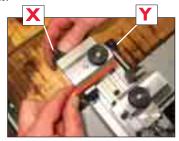


Figure 3

| Cross Section                   | Use Drill Bit |
|---------------------------------|---------------|
| 6mm – 8mm Round; Z – A          | 2mm           |
| 10mm – 12mm 3/8", 1/2" Round; B | 3.5mm         |
| I5mm – I8mm Round; C            | 5mm           |
| Table 1                         |               |

| Cross Section   | Estimated HeatingTime |
|---|-----------------------|
| 2mm – 6mm, 3/32"–1/4"                                     | <10 sec               |
| 7mm – 9mm, 5/16", all 3L and Z,                           | 10 – 20 sec           |
| 10mm, 3/8", all A (except Hi-Ridge Top)                   | 21 – 30 sec           |
| 12mm – 15mm, 1/2" – 9/16", all Twin,<br>A Hi-Ridge Top, B | 31 – 50 sec           |
| 16mm +, 5/8" – 3/4", C, D                                 | >50 sec               |

Table 2

9. Repeat step 8 for the other end of the belt, sliding into the front (sliding) profile jig from the right and extending 2 - 3mm on the left side. Tighten screw Y (see Fig. () to hold belt end



Figure 4

Fig. 4) to hold belt end in place.

10. Lift blue clamp handle, moving the belt ends toward each other in the clamp. Leave enough space between belt ends to insert the hot knife blade (Fig.5).



Figure 5

11. Insert hot knife blade between the two exposed lengths of the belt. Ease the belt ends into contact with the hot knife blade by moving the blue clamp handle upwards. Continue to raise the blue clamp handle, melting the belt, until firm resistance is met. Leave the hot knife in place for the required heating time (Table 2).

12. Important: The following sequence must be done very quickly. Ease blue clamp handle down enough to remove hot knife blade. Once the hot knife blade is



Figure 6

removed, quickly push up the blue clamp handle until it locks in position to bring the two belt ends together. Leave belt ends clamped in this position for approximately 3 – 4 minutes (Fig. 6). 13. While weld is cooling, unplug the hot knife and use a clean, dry cloth to clean excess urethane material from the coated heating surface. It is important that the heating element be cleaned between every weld.

14. Loosen screws X and Y to release the belt from the jigs and lower the blue clamp handle. The belt can now be removed from the welder. Warning: Do not bend/flex the belt at the joint at less than the recommended pulley diameter for the given belt profile.

15. Using the flash cutters provided, trim off any excess flash from the belt to ensure a correct profile around the joint (Figure 7).

16. Important: Allow

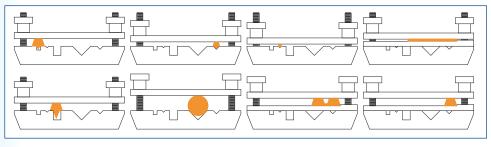
the belt to cure for a



Figure 7

minimum of 30 minutes prior to installing, tensioning or putting strain on the belt weld.

For any questions about your welding kit, just call +44 (0)870 7577007 and we'll be bappy to belp you. A proper butt weld will yield 100% of the non-reinforced belt's ultimate tensile strength. Note: A clean environment is necessary for a good weld. Make sure the area is well ventilated and free of dirt, dust and draft.



| Cross S     | Use V-Groove  |        |
|-------------|---------------|--------|
| 2mm – 3mm   | 3/32" - 1/8"  | Small  |
| 4mm – 8mm   | 3/16" - 5/16" | Medium |
| 10mm – 15mm | 3/8" - 3/4"   | Large  |

Figure 2



Figure 1

1. For round belts 14mm and larger and C, D, E and Twin V-profiles, our 3" Hot Knife is required. Examine the coated hot knife blade for scratches. A damaged hot knife can negatively affect weld results.

2. Plug the hot knife into 240v (or 110/120v as appropriate) outlet and preheat for approximately ten minutes. Once hot, use a clean, dry cloth and gently remove any residue on the blade from previous welding. Warning: Do not use a hard object to scrape polyurethane from hot knife blade.

3. Using the cutting shears provided, cut each end of the belt perfectly square. Under certain circumstances it may be necessary to butt weld a reinforced belt. In these situations the reinforcement at each cut end must be drilled back 5mm – 7mm prior to welding. See Table 1 to determine the appropriate drill bit. If unclear about the circumstances that would require butt welding a reinforced belt, please contact Fenner Drives Applications Engineering. Note: Contact Fenner Drives for instructions on determining correct belt length.

4. Refer to Figure 1. Using the Hand Clamp, slide the spacer toward the mounting clamps, squeeze the handles closed, and finger tighten the thumb nut located to the right of the right side mounting clamp.

| Cross Section                 | Use Drill Bit |
|-------------------------------|---------------|
| 6mm–8mm,1/4"–5/16", Z/10–A/13 | 2mm, 5/64"    |
| 10mm–12mm, 3/8"–1/2", B/17    | 3.5mm, 9/64"  |
| 15mm–18mm, 9/16"–3/4", C/22   | 5mm, 13/64"   |
|                               |               |



| Cross Section  | Estimated HeatingTime |
|--|-----------------------|
| 2mm – 6mm, 3/32"–1/4", .055" Thick Flats   | <10 sec               |
| 7mm – 9mm, 5/16", all 3L and Z, .06"x .75",<br>.06" x 1.5", .08" x .75", .09" x 1.00", .13" x .63"                               | 10 – 20 sec           |
| 10mm, 3/8", all A (except Hi-Ridge Top),<br>.06" × 1.75", .06" × 2.00", .09" × 1.25",<br>.09" × 1.50", .13" × 1.00", .25" × .63" | 21 – 30 sec           |
| 12 mm – 15 mm, 1/2" – 9/16", all Twin,<br>A Hi-Ridge Top, all B, .06" x 3.00", .09" x 2.00"                                      | 31 – 50 sec           |
| 16 mm – 20 mm, 5/8" – 3/4", C, D   | >50 sec               |

mounting positions. Starting on one side, loosen the clamp nuts and place belt in desired clamping position. Slide belt in clamp so that the end is halfway between the two mounting clamps. Tighten clamp nuts. Note: For round and ridge-top profiles, remove bottom plate.

5. Figure 2 illustrates possible belt clamp

6. On the opposite clamp, loosen nuts and place belt in the same clamping position. Warning: Make sure there are no twists in the belt.

Slide belt in clamp until the two belt ends butt together. Make sure that ends are properly aligned on all sides; see Fig. 3. Tighten clamp nuts. Note: Try to keep both clamping plates parallel to the grooved base blocks.

7. Loosen thumb nut on right approx. 1½ turns and allow the handles to open. With your left thumb, hold the spacer forward and with your right hand, insert the hot knife blade between belt ends and squeeze handles together. Refer to Figure 4.

8. As the belt ends begin to melt, the handles will contact the spacer. Hold handles tight against the spacer. After the appropriate time (refer to Table 1), quickly release the handles, slide the spacer toward yourself, withdraw the hot knife blade, and squeeze the handles together.

9. Tighten the thumb nut on the right and allow the welded joint to cure. Small cross section belts should be left in the clamp for a minimum of one minute to allow for initial cooling. Belt cross sections over 6 mm (¼") wide should be left in the clamp a minimum of three minutes. Warning: Allow the belt to cure for a minimum of ½ hour prior to installing, tensioning, or straining the belt weld. Note: While the belt is cooling, use a

clean, dry cloth to remove any residue from the hot knife blade.

10. Loosen clamp nuts and remove belt from clamp. Using the flash cutters, remove the bead from the splice; see Fig. 5.



Figure 3



Figure 4



Figure 5

Fenner Drives accept no responsibility for damage or injury caused by the misuse of this equipment.

### **PRODUCT APPLICATION GUIDELINES**

With such a range of products, how do you choose what's right for your application? While the possibilities seem endless, there are some general guidelines we can make based on our extensive experience with polyurethane and polyester belting products. The uses are not limited to those listed here; if you have a question about a product or application that isn't addressed below, please contact our Applications Engineering department. We'll be happy to help.

|                               |                        | Working Load<br>less than<br>9 kg/belt | Working Load<br>9.5 — 18 kg/belt | Working Load<br>greater than<br>18 kg/belt | Accumulating<br>Applications | Washdown<br>Applications | Can<br>Conveyors | Highly<br>Abrasive<br>Applications | Over<br>15 M<br>c.d. | Inclines<br>or<br>Declines | High<br>Coefficient<br>of Friction | FDA<br>Compliant | Static<br>Dissipating |
|-------------------------------|------------------------|--|----------------------------------|--|------------------------------|--------------------------|------------------|------------------------------------|----------------------|----------------------------|------------------------------------|------------------|-----------------------|
|                               | Eagle Opaque 80        | • •                                    |                                  |  |                              |                          |                  |                                    | No                   |                            |                                    | No               | No                    |
|                               | Eagle Orange 85        | • • -                                  | • •                              |  |                              |                          |                  |                                    | No                   |                            |                                    | Yes              | No*                   |
| ວາ                            | Eagle Clear 85         | • •                                    | • •                              |  |                              |                          |                  |                                    | No                   |                            |                                    | Yes              | No*                   |
| Itin                          | Eagle Ivory 85         |  |                                  |  |                              |                          |                  |                                    | No                   |                            |                                    | No               | No                    |
| B                             | Eagle Green 89         | • •                                    | • •                              | • •  |                              | • 🕊                      |                  |                                    | No                   |                            |                                    | No               | No                    |
| Sed                           | Eagle Green 89 T       | •                                      | •                                | •  | •                            |                          |                  |                                    | No                   |                            |                                    | No               | No*                   |
| <b>Non-Reinforced Belting</b> | Eagle Red 90           |  | •                                | • 🕊  |                              |                          |                  | •                                  | No                   |                            |                                    | No               | No*                   |
| Rein                          | Eagle Clear 95         | • •                                    | • •                              | • ₩  |                              |                          |                  |                                    | No                   |                            |                                    | Yes              | No*                   |
| n-R                           | Eagle Beige 95         |  | • 🗖                              | 0  |                              |                          |                  |                                    | No                   |                            |                                    | Yes              | No                    |
| Ž                             | Eagle White 40D        |  | $\circ \Box$                     | 0 🗆  |                              |                          |                  | 0 🗆                                | Yes                  |                            |                                    | Yes              | No                    |
|                               | Eagle Blue 55D         |  | • •                              | • 🕊  |                              |                          |                  | • 🕊                                | Yes                  |                            |                                    | No               | No                    |
|                               | Eagle Red 85 CXF       |  | -                                |  |                              |                          |                  |                                    | No                   |                            |                                    | No               | No                    |
|                               | Eagle Quick-Connect    | 000                                    |                                  |  |                              |                          |                  |                                    | No                   |                            |                                    | Yes              | No*                   |
|                               | Eagle Ivory 85 SGT PU  |  |                                  |  |                              |                          |                  |                                    | No                   |                            |                                    | No               | No                    |
|                               | Eagle Green 89 SGT     |  |                                  |  |                              |                          |                  |                                    | No                   |                            |                                    | No               | No                    |
|                               | Eagle Red 90 SGT       |  |                                  |  |                              |                          |                  |                                    | No                   |                            |                                    | No               | No                    |
|                               | Eagle White 40D SGT    |  |                                  |  |                              |                          |                  |                                    | Yes                  |                            |                                    | No               | No                    |
|                               | Eagle Opaque 80 R      | 0 0                                    | 0 0                              |  |                              |                          |                  |                                    | Yes                  |                            |                                    | No               | No                    |
|                               | Eagle Orange 85 R      | 0 🛛                                    | 0 🛛                              |  |                              |                          |                  |                                    | Yes                  |                            |                                    | Yes              | No                    |
|                               | Eagle Hyfen 85 R       |  | •                                |  |                              |                          |                  |                                    | Yes                  |                            |                                    | Yes              | No*                   |
| bu                            | Eagle Ivory 85 R       |  | •                                | •  |                              |                          |                  |                                    | Yes                  |                            |                                    | No               | No                    |
| ed Belting                    | Eagle Green 89 R       | • •                                    | • •                              | • •  | 0                            |                          |                  |                                    | Yes                  |                            |                                    | No               | No                    |
| р<br>С                        | Eagle Green 89 RT      | 0                                      | •                                | 0  |                              | 0                        |                  |                                    | Yes                  |                            |                                    | No               | No                    |
|                               | Eagle Beige 95 R       |  | o 🔽                              | o 🔽  |                              |                          |                  |                                    | Yes                  |                            |                                    | Yes              | No                    |
| Reinforc                      | Eagle Hyfen 95 R       |  |                                  |  |                              |                          |                  |                                    | Yes                  |                            |                                    | Yes              | No*                   |
| Rei                           | Eagle Hyfen 85 CXF/CXR |  |                                  |  |                              |                          |                  |                                    | Yes                  |                            |                                    | No               | No                    |
|                               | Eagle Ivory 85 RSGT PU |  | •                                | •  |                              |                          |                  |                                    | Yes                  | <u> </u>                   | •                                  | No               | No                    |
|                               | Eagle Red 50D CC       |  |                                  | •  | •                            | •                        | •                |                                    | Yes                  |                            |                                    | No               | No                    |
|                               | Eagle Blue 55D CC      |  |                                  | •  |                              |                          | •                |                                    | Yes                  |                            |                                    | No               | No                    |
|                               | Eagle Natural 55D CC   |  |                                  | $\bigcirc$                                 |                              |                          | $\bigcirc$       |                                    | Yes                  |                            |                                    | Yes              | No                    |
|                               | Eagle Green 63D CC     |  |                                  | •  |                              |                          | ٠                |                                    | Yes                  |                            |                                    | Yes              | No                    |
|                               | Eagle Natural 63D CC   |  |                                  | $\bigcirc$                                 |                              |                          | $\bigcirc$       |                                    | Yes                  |                            |                                    | Yes              | No                    |

\* Standard product is not static dissipating. A static dissipative version is available. May be subject to minimum order. Consult factory for availability.

### **PRODUCT APPLICATIONS**

Eagle® Belting provides solutions for all sorts of applications in virtually every industry. For inspiration on bow we can solve your application problem, bere's just a small sampling of our belting products at work. Not sure what you need? Contact us for advice on your specific application.











- 1. Eagle®Hyfen® Ridge-Top on a pop-up diverter conveying wood products.
- 2. Eagle Orange 85 belts conveying pizzas.
- *3.* Wood panels being moved by Eagle Opaque 80 chosen for its non-marking characteristics.
- 4. Eagle Hyfen R on a tray conveyor system, such as found in cafeterias, hospitals, etc.; chosen for its high strength, low stretch characteristics on long centre distances.
- 5. Custom Eagle Blue, approved for direct food contact, used on tomato









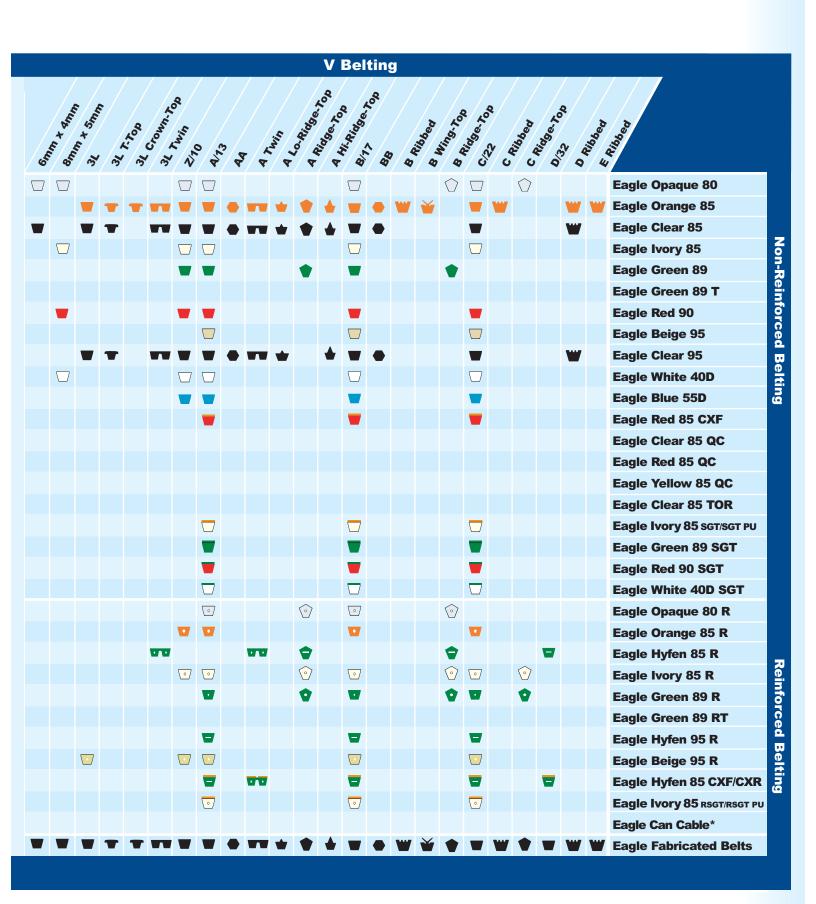




- 6. Eagle® Red 90 moving roofing tile; chosen for its excellent abrasion resistance.
- 7. Eagle Twisted O-Rings easily installed without dismantling line shaft.
- 8. Eagle Orange 85 belts driving the roller conveyor.
- 9. Custom Eagle White profile for pear sorting machine.
- **10.** Co-extruded reinforced Eagle Hyfen 85 CXF<sup>®</sup> on conveying system. Lower durometer top surface increases coefficient of friction for excellent grip to convey or move products.
- 11. Eagle Orange 85 on egg conveyor.

|                               |                               |            |         | /              |            |                   |            |            |  |            |            | Rοι        | und          | Ве         | ltin   | g    |            |       |            |       |  |  |
|-------------------------------|-------------------------------|------------|---------|----------------|------------|-------------------|------------|------------|--|------------|------------|------------|--------------|------------|--------|------|------------|-------|------------|-------|--|--|
|                               | FACIE                         |            |         |                | 1000 m     | 1/8 <sup>11</sup> |            | 3/76"      | / /  | 1/211      | / /        | 3/16"      | <i>برگ</i> ، | / /        | / /    | 1/2" | / /        | 3/16" |            | / /   | / /                                    | upu.                                     |
|                               |                               | ®          |         |                | ?) ।<br>।  |                   | ſ          |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
| PC                            | DLYURETHANE BELTING & O-RINGS |            | 44. 2 × | and the second | E          | 2m                | E .        |            | A North Carlos and Car | en         | E,         | 10.        | 4. C. C.     | - CI       | un St  | un . |            | Te.   | 10.00      | 10.01 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | en e |
|                               |                               | N.         | */ ~    | A MAR SA       | un.        | 5                 | ్త         | 6          | ? ^  | 6          | 0          | 2 02       | 2            | i Q        | :<br>2 | 7    | 25         | 2     | 8          | 5 Q   | 5 ~ v                                  |  |
|                               | Eagle Opaque 80               | $\bigcirc$ |         | $\bigcirc$     | $\bigcirc$ | $\bigcirc$        | $\bigcirc$ | $\bigcirc$ | $\bigcirc$   | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |              | $\bigcirc$ |        |      | $\bigcirc$ |       | $\bigcirc$ |       |  |  |
|                               | Eagle Orange 85               |            |         | ٠              |            |                   | ٠          |            | •  | •          |            | •          |              |            |        |      | •          |       |            | ٠     |  |  |
|                               | Eagle Clear 85                | ٠          | ٠       | ٠              | ٠          | ٠                 | ٠          | ٠          | ٠  | ٠          | •          | ٠          | ٠            | ٠          |        |      | ٠          |       |            | ٠     |  |  |
| ting                          | Eagle Ivory 85                |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
| Sel                           | Eagle Green 89                | ٠          |         |                | ٠          |                   | ٠          |            | ٠  | ٠          |            | ٠          | ٠            | ٠          |        |      | ٠          |       | ٠          |       | ٠                                      |  |
| ğ                             | Eagle Green 89 T              | ٠          |         | ٠              | ٠          | ٠                 | ٠          |            | ٠  | ٠          |            | ٠          | ٠            |            |        |      | ٠          |       | ٠          |       | ٠                                      |  |
| S                             | Eagle Red 90                  | ٠          |         | ٠              | ٠          | ٠                 |            | •          |  | ٠          | ٠          |            |              | ٠          |        | ٠    |            |       | •          |       |  |  |
| <b>Non-Reinforced Belting</b> | Eagle Beige 95                |            |         |                |            | $\bigcirc$        |            |            |  | 0          |            | $\bigcirc$ |              |            |        |      | $\bigcirc$ |       |            |       |  |  |
| Sei                           | Eagle Clear 95                |            | ٠       | ٠              |            | ٠                 |            | ٠          |  | ٠          | ٠          |            |              | ٠          |        |      | ٠          |       |            | ٠     |  |  |
| Ļ                             | Eagle White 40D               |            |         |                |            | $\bigcirc$        | $\bigcirc$ |            |  | 0          |            | $\bigcirc$ | $\bigcirc$   |            |        |      | $\bigcirc$ |       | $\bigcirc$ |       | $\bigcirc$                             |  |
| ž                             | Eagle Blue 55D                |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle Red 85 CXF              |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle Clear 85 QC             |            |         |                |            | 0                 | 0          | 0          |  | 0          | 0          |            |              | 0          | ο      |      | 0          | 0     |            |       |  |  |
|                               | Eagle Red 85 QC               |            |         |                |            | 0                 | 0          |            |  | 0          |            | 0          | 0            |            | 0      |      |            | 0     |            |       |  |  |
|                               | Eagle Yellow 85 QC            |            |         |                |            | 0                 |            | 0          |  | 0          | 0          |            |              | 0          |        |      | 0          |       |            |       |  |  |
|                               | Eagle Clear 85 TOR            |            |         |                |            | ٠                 |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle Ivory 85 sgt/sgt PU     |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle Green 89 SGT            |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle Red 90 SGT              |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle White 40D SGT           |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle Opaque 80 R             |            |         |                |            |                   |            |            |  | $\odot$    |            | $\odot$    |              |            |        |      | $\odot$    |       |            |       |  |  |
|                               | Eagle Orange 85 R             |            |         |                |            |                   | 0          | 0          |  | 0          | 0          | •          | 0            | 0          |        | 0    | •          |       |            | 0     | 0                                      |  |
|                               | Eagle Hyfen 85 R              |            |         |                |            | 0                 |            | 0          |  | 0          | 0          |            |              | 0          |        | 0    | 0          |       |            | 0     |  |  |
| ing                           | Eagle Ivory 85 R              |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
| <b>Reinforced Belting</b>     | Eagle Green 89 R              |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
| ш<br>То                       | Eagle Green 89 RT             |            |         |                |            | 0                 | 0          |            | 0  | 0          |            | 0          | 0            |            |        |      | 0          |       | 0          |       |  |  |
| ů<br>Ú                        | Eagle Hyfen 95 R              |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
| Į                             | Eagle Beige 95 R              |            |         |                |            |                   |            |            |  |            |            | 0          |              |            |        |      | 0          |       |            |       |  |  |
| ei.                           | Eagle Hyfen 85 CXF/CXR        |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle Ivory 85 RSGT/RSGT PU   |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle Can Cable*              |            |         |                |            | 0                 |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |
|                               | Eagle Fabricated Belts        |            | ٠       |                |            |                   | •          |            |  |            | •          |            | ٠            |            |        |      |            | •     | ٠          | ٠     |  |  |
|                               |                               |            |         |                |            |                   |            |            |  |            |            |            |              |            |        |      |            |       |            |       |  |  |

\* Can Cable available in Red 50D LCF, Blue 55D, Natural 55D, Green 63D, and Natural 63D



*Note:* Some diameters and cross sections may be subject to minimum orders. Dimensions are jor reference only. Flat belting available in Eagle Orange 85. See page 26 for cross sections. Additional cross sections, colours, and durometers are available. Contact Applications Engineering for design assistance 

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|       |      |                    |                    | Ν                 | ON-REIN           | FORCED              | BELTIN          | I G               |                    |                   |
|-------|------|--------------------|--------------------|-------------------|-------------------|---------------------|-----------------|-------------------|--------------------|-------------------|
|       |      | Eagle<br>Opaque 80 | Eagle<br>Orange 85 | Eagle<br>Clear 85 | Eagle<br>Green 89 | Eagle<br>Green 89 T | Eagle<br>Red 90 | Eagle<br>Beige 95 | Eagle<br>White 40D | Eagle<br>Blue 55D |
| S     | 2mm  | L040P802M          | L040G852M          | L04C852M          |                   | L04G892M            | L04R9002        |                   |                    |                   |
| Ē     | 3mm  | L040P803M          | L040G853M          | L04C853M          |                   | L04G893M            | L04R9003M       |                   |                    |                   |
| rofil | 4mm  | L040P804           | L040G854           | L04C854           |                   | L04G894             | L04R9004        |                   |                    |                   |
| ₽.    | 5mm  | L040P805M          | L040G855M          | L04C855M          |                   | L04G895M            | L04R9005M       | L04BE955M         | L04BY405M          |                   |
| P     | 6mm  | L040P806M          | L040G856M          | L04C856M          |                   | L04G896M            |                 |                   | LO4BY406M          |                   |
| Round | 7mm  | L040P807M          | L040G857M          | L04C857M          |                   | L04G897M            | L04R907         |                   |                    |                   |
| Å     | 8mm  | L040P808M          | L040G858M          | L04C858           |                   | L04G898M            | L04R9008        | LO4BE958          | LO4BY408           |                   |
|       | 10mm | L040P8010M         | L040G8510M         | L04C8510M         | L04G8910MS        | L04G8910M           | L04R9010M       | L04BE9510M        | L04BY4010M         | L04BY5510M        |
|       | I2mm |                    | L040G8512M         | L04C8512M         | L04G8912MS        | L04G8912M           | L04R9012M       |                   | L04BY4012M         |                   |
|       | 15mm |                    |                    |                   | L04G8915MS        | L04G8915M           | L04R9015        | L04BE9515M        | L04BY4015          | L04BY5515         |
|       | 18mm |                    |                    |                   | L04G8918MS        | L04G8918M           | L04R9018        |                   | L04BY4018          | L04BY5518         |
|       | 20mm |                    |                    |                   | LO4G8920MS        | L04G8920            |                 |                   | L04BY4020          | L04BY5520         |

|                       |                     |                      | R E I               | INFORCE              | D BELTI              | N G                 |                    |
|-----------------------|---------------------|----------------------|---------------------|----------------------|----------------------|---------------------|--------------------|
|                       |                     | Eagle<br>Opaque 80 R | Eagle<br>Hyfen 85 R | Eagle<br>Orange 85 R | Eagle<br>Green 89 RT | Eagle<br>Beige 95 R | Eagle<br>Can Cable |
| S                     | 3/16"               |                      | 5218009             |                      |                      |                     |                    |
| Ē                     | 1/4"                |                      | 5218012             |                      |                      |                     |                    |
| 2                     | 5/16"               |                      | 5218015             |                      |                      |                     |                    |
| ₽.                    | 3/8"                |                      | 5218018             |                      |                      |                     |                    |
| P                     | 1/2"                |                      | 5218024             |                      |                      |                     |                    |
| <b>Round Profiles</b> | 9/16"               |                      | 5218027             |                      |                      |                     |                    |
| 8                     | 5/8"                |                      | 5218030             |                      |                      |                     |                    |
|                       | 3/4"                |                      | 5218033             |                      |                      |                     |                    |
|                       | 5mm                 |                      |                     |                      | L04G895R             |                     |                    |
|                       | 6mm                 |                      |                     | L040G856R            | L04G896R             |                     |                    |
|                       | 7mm                 |                      |                     |                      | L04G897MR            |                     |                    |
|                       | 8mm                 | L040P808MR           |                     | L040G858R            | L04G898MR            |                     |                    |
|                       | 10mm                | L040P8010MR          |                     | L040G8510R           | L04G8910MR           | LO4BE95IOR          |                    |
|                       | I2mm                |                      |                     | L040G8512R           | L04G8912MR           |                     |                    |
|                       | 15mm                | L040P8015MR          |                     | L040G8515R           | L04G8915MR           | LO4BE9515R          |                    |
|                       | 18mm                |                      |                     |                      | L04G8918MR           |                     |                    |
|                       | 20mm                |                      |                     | L040G8520R           |                      |                     |                    |
|                       | 3/8" Red 50D CC LCF |                      |                     |                      |                      |                     | 4816020            |
|                       | 3/8" Blue 55D CC    |                      |                     |                      |                      |                     | 4816019            |
|                       | 3/8" Natural 55D CC |                      |                     |                      |                      |                     | 4816018            |
|                       | 3/8" Green 63D CC   |                      |                     |                      |                      |                     | 4817018            |
|                       | 3/8" Natural 63D CC |                      |                     |                      |                      |                     | 4899006            |

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|         |                |                    |                    | N C               | N - R E I N       | FORCED            | BELTIN          | N G               |                    |                   |
|---------|----------------|--------------------|--------------------|-------------------|-------------------|-------------------|-----------------|-------------------|--------------------|-------------------|
|         |                | Eagle<br>Opaque 80 | Eagle<br>Orange 85 | Eagle<br>Clear 85 | Eagle<br>Ivory 85 | Eagle<br>Green 89 | Eagle<br>Red 90 | Eagle<br>Beige 95 | Eagle<br>White 40D | Eagle<br>Blue 55D |
| rofiles | 6mm x 4mm      | L040P806X4         |                    | L04C856X4         |                   |                   |                 |                   |                    |                   |
|         | 8mm x 5mm      |                    |                    |                   |                   |                   | L04R900805      |                   | L04BY400805        |                   |
| 2       | 3L             |                    | 1032030            |                   |                   |                   |                 |                   |                    |                   |
| ר       | 3L T-Top       |                    | L040G853LX         |                   |                   |                   |                 |                   |                    |                   |
| >       | 3L Twin        |                    | L040G853LXT        |                   |                   |                   |                 |                   |                    |                   |
|         | Z/10           |                    | L040G85Z           | L04C85Z           |                   | L04G89Z           | LO4R90Z         |                   | L04BY40Z           | LO4BY55Z          |
|         | A/13           | L040P80A           | L040G85A           | L04C85A           | L04185A           | L04G89A           | LO4R90A         | LO4BE95A          | L04BY40A           | LO4BY55A          |
|         | A Lo-Ridge-Top |                    | L040G85AXL         | L04C85AXL         |                   |                   |                 |                   |                    |                   |
|         | A Ridge-Top    |                    | L040G85AXH         | L04C85AXH         |                   | L04G89AXH         |                 |                   |                    |                   |
|         | A Twin         |                    | L040G85AXT         |                   |                   |                   | L04R90AXT       |                   |                    |                   |
|         | B/17           | L040P80B           | L040G85B           | L04C85B           | L04185B           | L04G89B           | LO4R90B         | LO4BE95B          | L04BY40B           | LO4BY55B          |
|         | B Ridge-Top    | L040P80BXH         |                    |                   |                   | L04G89BX          |                 |                   |                    |                   |
|         | C/22           | L040P80C           | L040G85C           | L04C85C           | L04185C           | L04G89C           | LO4R9OC         | L04BE95C          | LO4BY40C           |                   |
|         | C Ribbed       |                    | L040G85CXRB        |                   |                   |                   |                 |                   |                    |                   |
|         | C Ridge-Top    | L040P80CXH         |                    |                   |                   |                   |                 |                   |                    |                   |

### PART NUMBER LISTING

|       |             |                    |                    |                     | R E I N F O         | R C E D B           | E L T I N G         |                     |                        |                           |
|-------|-------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------------|---------------------------|
|       |             | Eagle<br>Opaque 80 | Eagle<br>Orange 85 | Eagle<br>Hyfen 85 R | Eagle<br>Ivory 85 R | Eagle<br>Green 89 R | Eagle<br>Hyfen 95 R | Eagle<br>Beige 95 R | Eagle<br>Ivory 85 RSGT | Eagle<br>Ivory 85 RSGT PU |
| S     | 3L Twin     |                    |                    | 5299010             |                     |                     |                     |                     |                        |                           |
| rofil | Z/10        |                    | L040G85ZR          |                     |                     |                     |                     |                     |                        |                           |
| 2     | A/13        | L040P80AR          | L040G85AR          |                     | L04185AR            | L04G89AR            | 5260200             | LO4BE95AR           | LO4185ARSG             | L04185ARSGPU              |
| •     | A Ridge-Top | L040P80ARXH        |                    | 5299007             | LO4185ARXH          | L04G89ARXH          |                     |                     |                        |                           |
| >     | A Twin      |                    |                    | 5299019             |                     |                     |                     |                     |                        |                           |
|       | A Cogged    |                    |                    |                     |                     |                     | 5220000             | L04BE95ARXC         |                        |                           |
|       | B/17        | L040P80BR          | L040G85BR          |                     | L04185BR            | L04G89BR            | 5260300             | LO4BE95BR           | LO4185BRSG             | L04185BRSGPU              |
|       | B Ridge-Top | L040P80BRXH        |                    | 5299009             | LO4185BRXH          | L04G89BRXH          |                     |                     |                        |                           |
|       | B Cogged    |                    |                    |                     |                     |                     | 5230000             | L04BE95BRXC         |                        |                           |
|       | C/22        |                    | L040G85CR          |                     | L04185CR            | L04G89CR            | 5260400             | L04BE95CR           | LO4185CRSG             |                           |
|       | C Ridge-Top |                    |                    |                     | LO4I85CRXH          | L04G89CRXH          |                     |                     |                        |                           |
|       | C Cogged    |                    |                    |                     |                     |                     | 5240000             | L04BE95CRXC         |                        |                           |
|       | D/32        |                    |                    | 5260500             |                     |                     |                     |                     |                        |                           |

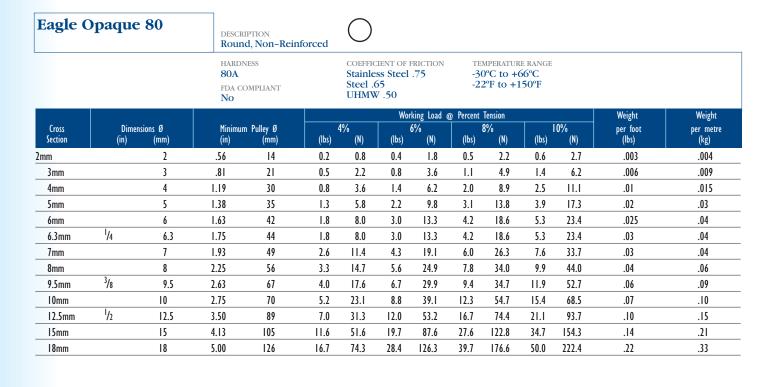
|                                 |       | NON-REIN             | NFORCED            |
|---------------------------------|-------|----------------------|--------------------|
|                                 |       | Eagle<br>Clear 85 QC | Eagle<br>Red 85 QC |
| es ct                           | 5mm   | L04QC855M            | L04QR855M          |
| e ji                            | 6mm   | L04QC856M            | L04QR856M          |
|                                 | 8mm   | L04QC858M            | L04QR858M          |
| ے بی                            | 10mm  |                      | LO4QR8510M         |
| ÷ P                             | I2mm  |                      | L04QR8512M         |
| Quick-Connect<br>Round Profiles | 13mm  | L04QC8513            | L04QR8513          |
| <b>Õ</b> <del>Z</del>           | l 6mm | L04QC8516M           | L04QR8516M         |

|                  |      | NON-REINFORCED      |        | REINF                 | ORCED                 |
|------------------|------|---------------------|--------|-----------------------|-----------------------|
|                  |      | Eagle<br>Red 85 CXF |        | Eagle<br>Hyfen 85 CXF | Eagle<br>Hyfen 85 CXR |
| b<br>S           | A/13 | 4924320             | A      | 5260520               | 5260525               |
| ruded<br>rofiles | B/17 | 4924330             | A Twin | 5260572               | 5260577               |
| 5 5              | C/22 | 4924345             | В      | 5260530               | 5260535               |
| -Exti<br>V Pr    |      |                     | С      | 5260540               | 5260545               |
| <b>Ψ</b> >       |      |                     | D      | 5260550               | 5260555               |
| ട                |      |                     |        |                       |                       |

|                     |      | N O                   | N - R E I N              | FORCED                | BELTI               | N G                    |
|---------------------|------|-----------------------|--------------------------|-----------------------|---------------------|------------------------|
|                     |      | Eagle<br>Ivory 85 SGT | Eagle<br>Ivory 85 SGT PU | Eagle<br>Green 89 SGT | Eagle<br>Red 90 SGT | Eagle<br>White 40D SGT |
| <b>SGT</b><br>files | A/13 | LO4I85ASG             | L04I85ASGPU              | L04G89ASG             | L04R90ASG           | LO4BY40ASG             |
|                     | B/17 | LO4185BSG             | LO4I85BSGPU              | LO4G89BSG             | LO4R90BSG           | LO4BY40BSG             |
| Pro                 | C/22 | L04185CSG             |                          | L04G89CSGT            | L04R90CSG           | L04BY40CSG             |
| >                   |      |                       |                          |                       |                     |                        |

|         |                 | Mini Butt Welding Kit & Components | Butt Welding I  | Kit & Components             | Overlap Welding  | Kit & Components                |
|---------|-----------------|------------------------------------|-----------------|------------------------------|------------------|---------------------------------|
| s       | L04MINIWELD110V | Mini Butt Welding Kit 110V         | L04FULLWELD110V | Butt Welding Kit 110V        | L040VERLWELD110  | Overlap Welding Kit 110V        |
| Kits    | L04MINIWELD240V | Mini Butt Welding Kit 240V         | L04FULLWELD240V | Butt Welding Kit 240V        | L040VERLWELD240  | Overlap Welding Kit 240V        |
|         | L04MINIWELD240E | Mini Butt Welding Kit 240V (Euro)  | L04FULLWELD240E | Butt Welding Kit 240V (Euro) | L040VERLWELD240E | Overlap Welding Kit 240V (Euro) |
| ũ       | L04MCLAMP       | Mini Clamp                         | LO4HANDCLAMP    | Butt Welder Clamp            | L04BCLAMP        | Bench Clamp                     |
| Welding | LO4HKNIFE110    | Hot Knife 110V                     | LO4HKNIFE110    | Hot Knife 110V               | LO4HKNIFE110     | Hot Knife 110V                  |
| Ve      | LO4HKNIFE240    | Hot Knife 240V                     | LO4HKNIFE240    | Hot Knife 240V               | LO4HKNIFE240     | Hot Knife 240V                  |
|         | L04HKNIFE240E   | Hot Knife 240V (Euro)              | L04HKNIFE240E   | Hot Knife 240V (Euro)        | LO4HKNIFE240E    | Hot Knife 240V (Euro)           |
| -       | L04CUTTER       | Mini Kit Belt Cutters              | LO4SHEARS       | Belt Cutters                 | L04SHEARS        | Belt Cutters                    |
| Eagle   | L04FCUTTER      | Belt Flash Trimmers                | L04FCUTTER      | Belt Flash Trimmers          | L04FCUTTER       | Belt Flash Trimmers             |
|         | L04CASEBLM      | Mini Kit Case                      | L04CASEBKST     | Standard Kit Case            | L04CASEBKO       | Overlap Kit Case                |
|         |                 |                                    | L04DRILLBITS    | Drill Bit Set                | LO4DRILLBITS     | Drill Bit Set                   |
|         |                 |                                    |                 |                              | L04J0506         | Clamping Jaws 5mm & 6mm         |
|         |                 |                                    |                 |                              | L04J0608         | Clamping Jaws 6mm & 8mm         |
|         |                 |                                    |                 |                              | L04J1012         | Clamping Jaws 10mm & 12mm       |
|         |                 |                                    |                 |                              | L04J1238         | Clamping Jaws 1/2" & 3/8"       |
|         |                 |                                    |                 |                              | L04J1518         | Clamping Jaws 15mm & 18mm       |
|         |                 |                                    |                 |                              | L04J3LACTB       | Clamping Jaws 3L & A Cogged     |
|         |                 |                                    |                 |                              | L04JAB           | Clamping Jaws A & B             |
| For     | technical assis | tance and drive design help, con   | ntact           |                              | L04JBC           | Clamping Jaws B & C             |
|         |                 | neering at +44 (0)870 7577007.     |                 |                              | L04JBCC          | Clamping Jaws B & C Cogged      |

For technical assistance and drive design help, contact Applications Engineering at +44 (0)870 7577007. Dimensions are for reference only.



| Eagle O <sub>l</sub> | paque 80                  |  | PTION<br>zoidal,<br>Reinforced |       | Vee       | Ridge-T        | op           |       |                                    |       |            |                   |                   |
|----------------------|---------------------------|--|--------------------------------|-------|-----------|----------------|--------------|-------|------------------------------------|-------|------------|-------------------|-------------------|
|                      |                           | HARDN<br><b>80A</b><br>FDA CC<br><b>No</b> | ESS<br>PMPLIANT                |       |           | ss Steel<br>65 | FRICTION     | -3    | MPERATUR<br>0°C to +0<br>2°F to +1 | 56°C  |            |                   |                   |
|                      |                           |  |                                |       |           |                | rking Load ( |       |                                    |       |            | Weight            | Weight            |
| Cross<br>Section     | Dimensions Ø<br>(in) (mm) | Minimum<br>(in)                            | Pulley Ø<br>(mm)               | (lbs) | 4%<br>(N) | (lbs)          | 6%<br>(N)    | (lbs) | 8%<br>(N)                          | (lbs) | 10%<br>(N) | per foot<br>(lbs) | per metre<br>(kg) |
| 6mm x 4mm            | 6 x 4                     | 1.10                                       | 28                             | 0.8   | 3.6       | 1.6            | 7.1          | 2.6   | 12.7                               | 3.6   | 17.1       | .02               | .03               |
| 8mm x 5mm            | 8 x 5                     | 1.38                                       | 35                             | 1.7   | 7.6       | 3.6            | 16.0         | 5.7   | 25.4                               | 7.7   | 34.2       | .02               | .03               |
| 3L                   | 9.5 x 6                   | 1.50                                       | 39                             | 2.3   | 10.2      | 4.7            | 20.9         | 7.5   | 33.4                               | 10.2  | 45.4       | .03               | .05               |
| Z/10                 | 10 x 6.5                  | 1.63                                       | 42                             | 2.7   | 12.0      | 5.6            | 24.9         | 8.9   | 39.6                               | 12.1  | 53.8       | .05               | .07               |
| A/13                 | 13 x 8                    | 2.25                                       | 56                             | 4.2   | 18.7      | 8.8            | 39.1         | 14.0  | 62.3                               | 19.0  | 84.5       | .07               | .10               |
| B/17                 | 17 x 11.5                 | 3.00                                       | 77                             | 7.3   | 32.5      | 15.2           | 67.6         | 24.2  | 107.6                              | 32.8  | 145.9      | .11               | .16               |
| B Ridge-Top          | 17 x 20                   | 5.50                                       | 140                            | 7.3   | 32.4      | 15.2           | 67.6         | 24.2  | 107.6                              | 32.8  | 145.9      | .13               | .19               |
| C/22                 | 22 x 14.5                 | 3.88                                       | 98                             | 12.7  | 56.5      | 26.7           | 118.8        | 42.5  | 189.0                              | 57.6  | 256.2      | .19               | .28               |
| C Ridge-Top          | 22 x 28                   | 7.75                                       | 196                            | 12.7  | 56.5      | 26.7           | 118.8        | 42.5  | 189.0                              | 57.6  | 256.2      | .25               | .37               |

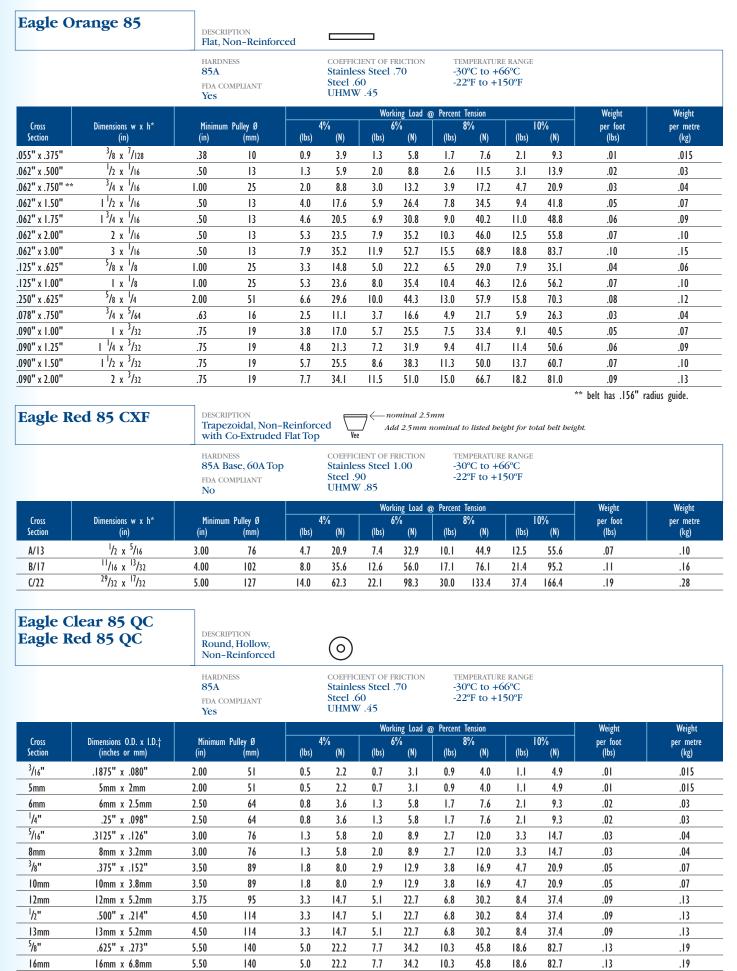
 $\wedge$ 

For technical assistance and drive design help, contact Applications Engineering at +44 (0)870 7577007. \* w (width) is the widest part of the belt. h (height) is the tallest part of the belt. Dimensions are for reference only.

| Eagle (           | Orange           | 85             | DESCRII<br>Round                            | PTION<br><b>I, Non-Rei</b> | nforced | $\bigcirc$ |       |            |       |                                    |       |            |                   |                   |
|-------------------|------------------|----------------|---|----------------------------|---------|------------|-------|------------|-------|------------------------------------|-------|------------|-------------------|-------------------|
|                   |                  |                | HARDN<br><b>85A</b><br>FDA CO<br><b>Yes</b> | ESS<br>MPLIANT             |         |            |       |            | -3    | MPERATUR<br>0°C to +0<br>2°F to +1 | 66°C  |            |                   |                   |
|                   |                  |                |   |                            |         |            |       | rking Load |       |                                    |       |            | Weight            | Weight            |
| Cross<br>Section  | Dimensi (in)     | ions Ø<br>(mm) | Minimum<br>(in)                             | Pulley Ø<br>(mm)           | (lbs)   | 1%<br>(N)  | (lbs) | 6%<br>(N)  | (lbs) | 8%<br>(N)                          | (lbs) | 10%<br>(N) | per foot<br>(lbs) | per metre<br>(kg) |
| 2mm               |                  | 2              | .63   | 16                         | 0.2     | 0.9        | 0.3   | 1.3        | 0.4   | 1.8                                | 0.5   | 2.2        | .003              | .004              |
| <sup>3</sup> /32" | <sup>3</sup> /32 |                | .75   | 19                         | 0.2     | 0.9        | 0.3   | 1.3        | 0.4   | 1.8                                | 0.5   | 2.2        | .004              | .006              |
| 3mm               |                  | 3              | .94   | 24                         | 0.5     | 2.2        | 0.7   | 3.1        | 1.0   | 4.4                                | 1.2   | 5.3        | .006              | .009              |
| 4mm               |                  | 4              | 1.25  | 32                         | 0.8     | 3.6        | 1.2   | 5.3        | 1.6   | 7.1                                | 1.9   | 8.5        | .01               | .015              |
| <sup>3</sup> /16" | <sup>3</sup> /16 |                | 1.50  | 38                         | 1.1     | 4.9        | 1.7   | 7.6        | 2.2   | 9.8                                | 2.7   | 12.0       | .01               | .015              |
| 5mm               |                  | 5              | 1.56  | 40                         | 1.2     | 5.3        | 1.8   | 8.0        | 2.4   | 10.7                               | 3.0   | 13.3       | .02               | .03               |
| 6mm               |                  | 6              | 1.88  | 48                         | 1.7     | 7.6        | 2.6   | 11.6       | 3.5   | 15.6                               | 4.3   | 19.1       | .025              | .04               |
| <sup>1</sup> /4"  | <sup>1</sup> /4  |                | 2.00  | 51                         | 1.9     | 8.5        | 2.9   | 12.9       | 3.9   | 17.3                               | 4.8   | 21.4       | .03               | .04               |
| 7mm               |                  | 7              | 2.20  | 56                         | 2.4     | 10.4       | 3.6   | 16.1       | 4.8   | 21.4                               | 6.0   | 26.5       | .03               | .04               |
| 5/16"             | 5/16             |                | 2.50  | 64                         | 3.0     | 13.3       | 4.6   | 20.5       | 6.1   | 27.1                               | 7.6   | 33.8       | .04               | .06               |
| 8mm               |                  | 8              | 2.50  | 64                         | 3.0     | 13.3       | 4.6   | 20.5       | 6.1   | 27.1                               | 7.6   | 33.8       | .04               | .06               |
| <sup>3</sup> /8"  | <sup>3</sup> /8  |                | 3.00  | 76                         | 4.3     | 19.1       | 6.6   | 29.4       | 8.8   | 39.1                               | 10.9  | 48.5       | .06               | .09               |
| 10mm              |                  | 10             | 3.13  | 80                         | 4.7     | 20.9       | 7.3   | 32.5       | 9.7   | 43.I                               | 12.0  | 53.4       | .07               | .10               |
| I2mm              |                  | 12             | 3.75  | 96                         | 6.8     | 30.5       | 10.6  | 47.3       | 14.1  | 62.9                               | 17.4  | 77.4       | .09               | .13               |
| <sup>1</sup> /2"  | <sup>1</sup> /2  |                | 4.00  | 102                        | 7.6     | 33.8       | 11.8  | 52.5       | 15.7  | 69.8                               | 19.3  | 85.8       | .10               | .15               |
| <sup>9</sup> /16" | <sup>9</sup> /16 |                | 4.50  | 114                        | 9.7     | 43.I       | 14.9  | 66.3       | 19.9  | 88.5                               | 24.5  | 109.0      | .13               | .19               |
| <sup>5</sup> /8"  | <sup>5</sup> /8  |                | 5.00  | 127                        | 11.9    | 52.9       | 18.4  | 81.8       | 24.5  | 109.0                              | 30.2  | 134.3      | .16               | .24               |
| <sup>3</sup> /4"  | 3/4              |                | 6.00  | 152                        | 17.7    | 78.7       | 26.5  | 117.9      | 35.3  | 157.0                              | 43.5  | 193.5      | .23               | .34               |

| Eagle Or         | range 85                               | ;         | DESCRII<br>Trapez<br>Non-H                   |                  | Vee   | T-Top     | Crown-To | <sup>ob</sup> | Twin      | Ridge-Top                        | Lo-Ridge-T | op Hi-Ridge-1 | 7 (The second se | Ribbed Wing-Top   |
|------------------|--|-----------|--|------------------|-------|-----------|----------|---------------|-----------|----------------------------------|------------|---------------|--|-------------------|
|                  |  |           | HARDNI<br><b>85A</b><br>FDA CO<br><b>Yes</b> | ESS              |       |           |          |               | -3        | MPERATUI<br>0°C to +<br>2°F to + | 66°C       |               |  |                   |
|                  |  |           |  |                  |       |           |          |               | @ Percent |                                  |            |               | Weight   | Weight            |
| Cross<br>Section | Dimensions<br>(in)                     | Ø<br>(mm) | Minimum<br>(in)                              | Pulley Ø<br>(mm) | (lbs) | 4%<br>(N) | (lbs)    | 6%<br>(N)     | (lbs)     | 8%<br>(N)                        | (lbs)      | 10%<br>(N)    | per foot<br>(lbs)  | per metre<br>(kg) |
| 6mm x 4mm        |  | 6 x 4     | 1.25   | 32               | 0.9   | 4.0       | 1.6      | 7.1           | 2.2       | 9.8                              | 2.8        | 12.5          | .02  | .03               |
| 3L               | <sup>3</sup> /8 x <sup>7</sup> /32     |           | 1.75   | 45               | 2.2   | 9.8       | 3.7      | 16.5          | 5.2       | 23.1                             | 6.5        | 28.9          | .03  | .04               |
| 3L T-Top         | <sup>9</sup> /16 x <sup>19</sup> /64   |           | 2.38   | 60               | 3.2   | 14.2      | 5.5      | 24.5          | 7.7       | 34.2                             | 9.7        | 43.I          | .05  | .07               |
| 3L Crown-Top     | <sup>9</sup> /16 x <sup>1</sup> /4     |           | 2.00   | 51               | 3.2   | 14.2      | 5.5      | 24.5          | 7.7       | 34.2                             | 9.7        | 43.I          | .05  | .07               |
| 3L Twin          | <sup>15</sup> /16 x <sup>17</sup> /64  |           | 2.13   | 54               | 6.1   | 27.I      | 10.3     | 45.8          | 14.5      | 64.5                             | 18.4       | 81.8          | .10  | .15               |
| Z/10             |  | 10 x 6    | 1.88   | 48               | 2.4   | 10.7      | 4.1      | 18.2          | 5.8       | 25.8                             | 7.3        | 32.5          | .05  | .07               |
| A/13             |  | 13 x 8    | 2.50   | 64               | 4.0   | 17.8      | 6.8      | 30.2          | 9.6       | 42.7                             | 12.2       | 54.3          | .07  | .10               |
| A Lo-Ridge-Top   | p <sup>1</sup> /2 x <sup>7</sup> /16   |           | 2.50   | 64               | 4.0   | 17.8      | 6.8      | 30.2          | 9.6       | 42.7                             | 12.2       | 54.3          | .07  | .10               |
| A Ridge-Top      |  | 13 x 16   | 5.00   | 127              | 4.0   | 17.8      | 6.8      | 30.2          | 9.6       | 42.7                             | 12.2       | 54.3          | .09  | .13               |
| A Hi-Ridge-Top   | o <sup>1</sup> /2 x <sup>5</sup> /8    |           | 5.00   | 127              | 6.7   | 29.8      | 11.3     | 50.3          | 15.9      | 70.7                             | 20.1       | 89.4          | .09  | .13               |
| A Twin I         | 1 <sup>3</sup> /16 x <sup>5</sup> /16  |           | 2.50   | 64               | 8.2   | 36.5      | 14.0     | 62.3          | 19.6      | 87.2                             | 24.8       | 110.3         | .15  | .22               |
| AA               | <sup>1</sup> /2 x <sup>13</sup> /32    |           | 3.25   | 83               | 5.8   | 25.8      | 9.8      | 43.6          | 13.7      | 60.9                             | 17.4       | 77.4          | .09  | .13               |
|                  |  | 17 x 11.5 | 3.25   | 83               | 7.0   | 31.1      | 11.8     | 52.5          | 16.6      | 73.8                             | 21.0       | 93.4          | .11  | .16               |
|                  | <sup>11</sup> /16 x <sup>13</sup> /32  |           | 3.25   | 83               | 7.0   | 31.1      | 11.8     | 52.5          | 16.6      | 73.8                             | 21.0       | 93.4          | .11  | .16               |
|                  | <sup>11</sup> /16 x <sup>5</sup> /8    |           | 3.25   | 83               | 7.0   | 31.1      | 11.8     | 52.5          | 16.6      | 73.8                             | 21.0       | 93.4          | .11  | .16               |
|                  | <sup>11</sup> /16 x <sup>9</sup> /16   |           | 4.25   | 108              | 8.8   | 39.1      | 14.9     | 66.3          | 20.9      | 93.0                             | 26.5       | 117.9         | .16  | .24               |
|                  |  | 22 x 14.5 | 4.50   | 114              | 12.1  | 53.8      | 20.6     | 91.6          | 28.9      | 128.5                            | 36.6       | 162.8         | .19  | .28               |
|                  | <sup>29</sup> /32 x <sup>17</sup> /32  |           | 4.50   | 114              | 12.1  | 53.8      | 20.6     | 91.6          | 28.9      | 128.5                            | 36.6       | 162.8         | .19  | .28               |
|                  | 1 <sup>5</sup> /16 x <sup>3</sup> /4   |           | 7.00   | 178              | 25.2  | 2.        | 42.7     | 189.9         | 59.9      | 266.4                            | 75.8       | 337.2         | .38  | .57               |
| E Ribbed I       | <sup>11</sup> /16 x 1 <sup>3</sup> /32 |           | 15.00  | 381              | 47.8  | 212.6     | 81.1     | 360.7         | 113.9     | 505.9                            | 144.0      | 640.5         | .71  | 1.06              |

*For technical assistance and drive design help, contact Applications Engineering at +44 (0)870 7577007. \* w (width) is the widest part of the belt. b (beight) is the tallest part of the belt. Dimensions are for reference only.* 



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\* w (width) is the widest part of the belt. b (beight) is the tallest part of the belt, NOT including the nominal 2.5mm of co-extruded belting. † 0.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt. Dimensions are for reference only.

#### Eagle Ivory 85

DESCRIPTION Trapezoidal, Non-Reinforced

SGT with Integrally Bonded Polyurethane Top



Vee

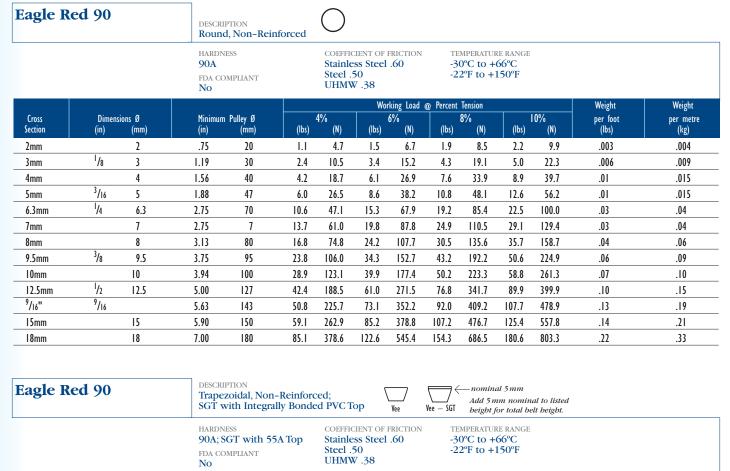
— nominal 5 mm Add 5 mm nominal to listed I beight for total belt beight.

HARDNESS 85A; SGT with 70A Top FDA COMPLIANT No COEFFICIENT OF FRICTION Stainless Steel .70 Steel .60 UHMW .45 TEMPERATURE RANGE -30°C to +66°C -22°F to +150°F

|           |                   |            | Г       | NO CHAW IT |         |       |       |       |             |           |         |       |       |            |       |            |        |
|-----------|-------------------|------------|---------|------------|---------|-------|-------|-------|-------------|-----------|---------|-------|-------|------------|-------|------------|--------|
|           |                   | Minimum P  | ulley Ø | Minimum P  | ulley Ø |       |       | Wor   | king Load @ | D Percent | Tension |       |       | Weight     | t     | Weight     |        |
| Cross     | Dimensions w x h* | (in)       |         | (mm)       |         |       | 4%    |       | 6%          |           | 8%      |       | 0%    | per foot   | (lbs) | per metre  | e (kg) |
| Section   | (mm)              | (lvory 85) | (SGT)   | (lvory 85) | (SGT)   | (lbs) | (N)   | (lbs) | (N)         | (lbs)     | (N)     | (lbs) | (N)   | (Ivory 85) | (SGT) | (Ivory 85) | (SGT)  |
| 8mm x 5mm | 8 x 5             | 1.88       |         | 48         |         | 4.4   | 19.5  | 6.7   | 29.7        | 8.8       | 39.1    | 10.6  | 47.3  | .02        |       | .03        |        |
| <br>Z/10  | 10 x 6.5          | 2.00       |         | 52         | _       | 7.1   | 31.7  | 10.9  | 48.4        | 14.3      | 63.7    | 17.3  | 77.0  | .05        | _     | .07        | _      |
| A/13      | 13 x 8            | 2.50       | 3.00    | 64         | 76      | 11.4  | 50.7  | 17.4  | 77.4        | 22.9      | 101.9   | 27.7  | 123.2 | .07        | .08   | .10        | .12    |
| B/17      | 17 x 11.5         | 3.60       | 4.10    | 92         | 104     | 20.2  | 89.8  | 30.9  | 137.4       | 40.6      | 180.6   | 49.I  | 218.4 | .11        | .12   | .16        | .18    |
| C/22      | 22 x 14.5         | 4.50       | 5.00    | 116        | 127     | 33.5  | 149.0 | 51.1  | 227.3       | 67.I      | 298.5   | 81.3  | 361.6 | .19        | .20   | .28        | .30    |

| Eagle (          | Green 89             | Roun                         | IPTION<br>d, Smooth o<br>Reinforced | or Texture | d, (      | $\supset$ |                 |                 |  |          |            |  |                   |
|------------------|----------------------|------------------------------|-------------------------------------|------------|-----------|-----------|-----------------|-----------------|--|----------|------------|--|-------------------|
|                  |                      | HARDY<br>89A<br>FDA CO<br>NO | NESS<br>OMPLIANT                    |            |           | ss Steel  | FRICTION<br>.65 | (Te<br>St<br>St | DEFFICIENT<br>extured)<br>ainless St<br>eel .40<br>HMW .30 | teel .50 | lion       | TEMPERATURE RAN<br>-30°C to +66°C<br>-22°F to +150°F |                   |
|                  | <b>.</b>             |                              |                                     |            | 407       |           | rking Load (    |                 |  |          | 100/       | Weight   | Weight            |
| Cross<br>Section | Dimensions Ø<br>(mm) | Minimur<br>(in)              | n Pulley Ø<br>(mm)                  | (lbs)      | 4%<br>(N) | (lbs)     | 6%<br>(N)       | (lbs)           | 8%<br>(N)  | (lbs)    | 10%<br>(N) | per foot<br>(lbs)                                    | per metre<br>(kg) |
| 2mm              | 2                    | .75                          | 19                                  | 0.2        | 0.9       | 0.4       | 1.8             | 0.5             | 2.2  | 0.7      | 3.1        | .003   | .004              |
| 3mm              | 3                    | 1.00                         | 27                                  | 0.6        | 2.7       | 0.9       | 4.0             | 1.2             | 5.3  | 1.5      | 6.7        | .006   | .009              |
| 4mm              | 4                    | 1.44                         | 36                                  | 1.0        | 4.4       | 1.6       | 7.1             | 2.1             | 9.3  | 2.6      | 11.6       | .010   | .015              |
| 5mm              | 5                    | 1.75                         | 45                                  | 1.5        | 6.7       | 2.4       | 10.7            | 3.3             | 14.7   | 4.1      | 18.2       | .02  | .03               |
| 6mm              | 6                    | 2.13                         | 54                                  | 2.2        | 9.8       | 3.5       | 15.6            | 4.7             | 20.9   | 5.9      | 26.2       | .025   | .04               |
| 7mm              | 7                    | 2.50                         | 63                                  | 3.0        | 13.3      | 4.7       | 20.9            | 6.4             | 28.5   | 8.0      | 35.6       | .03  | .04               |
| 8mm              | 8                    | 2.83                         | 72                                  | 3.9        | 17.3      | 6.2       | 27.6            | 8.4             | 37.4   | 10.4     | 46.3       | .04  | .06               |
| 10mm             | 10                   | 3.50                         | 90                                  | 6.1        | 27.1      | 9.7       | 43.I            | 13.1            | 58.3   | 16.3     | 72.5       | .07  | .10               |
| l2mm             | 12                   | 4.25                         | 108                                 | 8.7        | 38.7      | 13.9      | 61.8            | 18.9            | 84. I  | 23.5     | 104.5      | .09  | .13               |
| 15mm             | 15                   | 5.25                         | 135                                 | 13.6       | 60.5      | 21.7      | 96.5            | 29.6            | 131.7  | 36.6     | 162.8      | .14  | .21               |
| 18mm             | 18                   | 6.38                         | 162                                 | 18.8       | 83.6      | 30.9      | 137.4           | 42.5            | 189.0  | 53.0     | 235.7      | .22  | .33               |
| 20mm             | 20                   | 7.00                         | 180                                 | 23.2       | 103.2     | 38.2      | 169.9           | 52.4            | 233.I  | 65.5     | 291.3      | .23  | .34               |

|                          | Green 89<br>Green 89     |                    |       | DESCRIPTION<br>Trapezoidal<br>SGT With In                  |   |              |                     | Гор  | Vee   | Ridge-Top | >                                | 7` Ада     |                        | n<br>ninal to listea<br>l belt beight. | 1                       |       |     |
|--------------------------|--------------------------|--------------------|-------|--|---|--------------|---------------------|------|-------|-----------|----------------------------------|------------|------------------------|--|-------------------------|-------|-----|
|                          |                          |                    |       | HARDNESS<br><b>89A; SGT w</b><br>FDA COMPLIAN<br><b>No</b> |   | <b>\</b> Тор |                     |      |       | -3        | mperatui<br>0°C to +<br>2°F to + | 66°C       |                        |  |                         |       |     |
| Minimum Pulley Ø Minimum |                          |                    |       |  | Minimum Pulley Ø Working Load @ Percent Tension |              |                     |      |       |           |                                  |            |                        | Weigh                                  | t                       | Weigh | ht  |
| Cross<br>Section         | Dimensions w x h<br>(mm) | (in)<br>(Green 89) | (SGT) | (mm)<br>(Green 89)   | (SGT)   | (lbs)        | 4% 6% (N) (lbs) (N) |      | (lbs) | 8%<br>(N) | (lbs)                            | 10%<br>(N) | per foot<br>(Green 89) | (lbs)<br>(SGT)                         | per metre<br>(Green 89) |       |     |
| Z/10                     | 10 x 6.5                 | 2.30               |       | 59   |   | .9           | 52.9                | 18.2 | 80.9  | 23.8      | 105.9                            | 28.7       | 127.7                  | .05                                    |                         | .07   |     |
| A/13                     | 13 x 8                   | 2.80               | 3.30  | 72   | 84  | 20.5         | 91.2                | 31.3 | 139.2 | 41.0      | 182.4                            | 49.5       | 220.2                  | .07                                    | .08                     | .10   | .12 |
| A Ridge-Top              | 3 x  6                   | 5.70               |       | 144  |   | 20.5         | 91.2                | 31.3 | 139.2 | 41.0      | 182.4                            | 49.5       | 220.2                  | .09                                    | _                       | .13   |     |
| B/17                     | 17 x 11.5                | 4.10               | 4.60  | 104  | 117   | 36.4         | 161.9               | 55.6 | 247.3 | 72.7      | 323.4                            | 87.7       | 390.I                  | .11                                    | .12                     | .16   | .18 |
| B Ridge-Top              | 17 x 20                  | 7.00               |       | 180  |   | 36.4         | 161.9               | 55.6 | 247.3 | 72.7      | 323.4                            | 87.7       | 390.I                  | .13                                    |                         | .19   |     |
| C/22                     | 22 x 14.5                | 5.10               | 5.60  | 130  | 142   | 61.7         | 274.4               | 94.3 | 419.4 | 123.4     | 548.9                            | 148.8      | 661.9                  | .19                                    | .20                     | .28   | .30 |



|          |                   | Minimum  | Pulley Ø | Minimum F | Pulley Ø |       |       | Wor   | king Load ( | @ Percent | Tension |       |       | Weigh    | it    | Weigh                | ıt     |
|----------|-------------------|----------|----------|-----------|----------|-------|-------|-------|-------------|-----------|---------|-------|-------|----------|-------|----------------------|--------|
| Cross    | Dimensions w x h* | (in      |          | (mn       |          |       | 4%    |       | %           |           | 8%      |       | 0%    | per foot |       | per metr<br>(Red 90) | e (kg) |
| Section  | (mm)              | (Red 90) | (SGT)    | (Red 90)  | (SGT)    | (lbs) | (N)   | (lbs) | (N)         | (lbs)     | (N)     | (lbs) | (N)   | (Red 90) | (SGT) | (Red 90)             | (SGT)  |
| 8mm x 5i | mm 8 x 5          | 2.00     | _        | 50        | _        | 9.5   | 42.I  | 15.0  | 66.8        | 19.9      | 88.7    | 24.0  | 106.9 | .02      |       | .03                  |        |
| Z/10     | 10 x 6.5          | 2.50     | _        | 65        | —        | 14.8  | 65.8  | 23.4  | 104.3       | 31.1      | 138.5   | 37.5  | 167.0 | .05      |       | .07                  | _      |
| A/13     | 13 x 8            | 3.13     | 4.13     | 80        | 105      | 24.I  | 107.0 | 38.I  | 169.5       | 50.6      | 225.3   | 61.0  | 271.5 | .07      | .08   | .10                  | .12    |
| B/17     | 17 x 11.5         | 4.50     | 5.50     | 115       | 140      | 43.9  | 195.2 | 69.5  | 309.3       | 92.4      | 411.0   | 111.3 | 495.3 | .11      | .12   | .16                  | .18    |
| C/22     | 22 x 14.5         | 5.75     | 6.75     | 145       | 172      | 72.2  | 321.2 | 114.4 | 508.9       | 152.0     | 676.2   | 183.2 | 814.9 | .19      | .20   | .28                  | .30    |

| Eagle B          | leige 95             | DESCRI<br>Round               | PTION<br><b>I, Non-Rein</b> t | forced | $\bigcirc$ |                 |              |           |                                   |       |            |                   |                   |
|------------------|----------------------|-------------------------------|-------------------------------|--------|------------|-----------------|--------------|-----------|-----------------------------------|-------|------------|-------------------|-------------------|
|                  |                      | HARDN<br>95A<br>FDA CO<br>Yes | ESS<br>MPLIANT                |        |            | ess Steel<br>45 | FRICTION .55 | -3        | MPERATUR<br>0°C to +<br>2°F to +1 | 66°C  |            |                   |                   |
|                  |                      |                               |                               |        |            | Wo              | rking Load ( | @ Percent | Tension                           |       |            | Weight            | Weight            |
| Cross<br>Section | Dimensions Ø<br>(mm) | Minimum<br>(in)               | Pulley Ø<br>(mm)              | (lbs)  | 4%<br>(N)  | (lbs)           | 6%<br>(N)    | (lbs)     | 8%<br>(N)                         | (lbs) | 10%<br>(N) | per foot<br>(lbs) | per metre<br>(kg) |
| 5mm              | 5                    | 2.00                          | 50                            | 5.3    | 23.6       | 7.5             | 33.4         | 9.4       | 41.8                              | 11.0  | 48.8       | .02               | .03               |
| 8mm              | 8                    | 3.10                          | 80                            | 13.6   | 60.5       | 19.2            | 85.6         | 24.0      | 106.9                             | 28.1  | 125.1      | .04               | .06               |
| 10mm             | 10                   | 3.90                          | 100                           | 21.2   | 94.5       | 30.1            | 133.8        | 37.6      | 167.1                             | 43.9  | 195.4      | .07               | .10               |
| 15mm             | 15                   | 5.90                          | 150                           | 47.8   | 212.5      | 67.7            | 301.0        | 84.5      | 375.9                             | 98.8  | 439.6      | .14               | .21               |

For technical assistance and drive design help, contact Applications Engineering at +44 (0)870 7577007. \* w (widtb) is the widest part of the belt. b (height) is the tallest part of the belt, NOT including the nominal 5 mm of the integrally bonded top surface belting. Dimensions are for reference only.

| Eagle F         | Beige 95          | DESCRI<br><b>Trape</b>        | IPTION<br>zoidal, Non-l | Reinford       | ced Vee     | 7              |                 |               |                                  |                     |              |          |             |
|-----------------|-------------------|-------------------------------|-------------------------|----------------|-------------|----------------|-----------------|---------------|----------------------------------|---------------------|--------------|----------|-------------|
|                 |                   | HARDN<br>95A<br>FDA CC<br>Yes | iess<br>Dmpliant        |                |             | ss Steel<br>45 | FRICTION<br>.55 | -3            | MPERATUI<br>0°C to +<br>2°F to + |                     |              |          |             |
|                 |                   |                               |                         |                |             | Wo             | rking Load @    | Percent       | Tension                          |                     |              | Weight   | Weight      |
| Cross           | Dimensions w x h* | Minimum                       | n Pulley Ø              |                | 4%          |                | 6%              |               | 8%                               |                     | 0%           | per foot | per metre   |
|                 |                   | (* ).                         |                         | <i>a</i> 1 × 1 | (8.1)       | (m. 5)         | (11)            |               | (81)                             | <i>(</i> <b>1</b> ) | (81)         |          | - a x       |
| Section         | (mm)              | (in)                          | (mm)                    | (lbs)          | (N)         | (lbs)          | (N)             | (lbs)         | (N)                              | (lbs)               | (N)          | (lbs)    | (kg)        |
| Section<br>A/13 | (mm)<br> 3 x 8    | (in)<br>3.10                  | (mm)<br>80              | (lbs)<br>  6.8 | (N)<br>74.7 | (lbs)<br>25.2  | (N)             | (lbs)<br>32.5 | (N)<br>144.6                     | (lbs)<br>38.9       | (N)<br>173.0 |          | (kg)<br>.10 |
|                 | , ,               |                               |                         |                |             |                | ( )             |               |                                  |                     |              | . (lbs)  |             |

| Eagle C            | Clear 95             | DESCRI<br>Round               | PTION<br>d, Non-Rein | forced | $\bigcirc$ |                |              |           |                                    |       |            |                   |                   |
|--------------------|----------------------|-------------------------------|----------------------|--------|------------|----------------|--------------|-----------|------------------------------------|-------|------------|-------------------|-------------------|
|                    |                      | HARDN<br>95A<br>FDA CC<br>Yes | IESS<br>DMPLIANT     |        |            | ss Steel<br>45 | FRICTION .55 | -3        | mperatur<br>0°C to +(<br>2°F to +1 | 66°C  |            |                   |                   |
|                    |                      |                               |                      |        |            | Wo             | rking Load ( | @ Percent | Tension                            |       |            | Weight            | Weight            |
| Cross<br>Section   | Dimensions Ø<br>(in) | Minimum<br>(in)               | n Pulley Ø<br>(mm)   | (lbs)  | 4%<br>(N)  | (lbs)          | 6%<br>(N)    | (lbs)     | 8%<br>(N)                          | (lbs) | 10%<br>(N) | per foot<br>(lbs) | per metre<br>(kg) |
| <sup>3</sup> /32"  | 3/32                 | 1.00                          | 25                   | 0.7    | 3.1        | 1.2            | 5.3          | 1.5       | 6.7                                | 1.9   | 5.3        | .004              | .006              |
| l/8"               | <sup>1</sup> /8      | 1.25                          | 32                   | 0.9    | 4.0        | 1.4            | 6.2          | 1.7       | 7.6                                | 2.1   | 6.2        | .01               | .015              |
| <sup>3</sup> /16"  | 3/16                 | 1.88                          | 48                   | 2.0    | 8.9        | 3.0            | 13.3         | 3.9       | 17.3                               | 4.6   | 13.3       | .01               | .015              |
| l/4"               | <sup>1</sup> /4      | 2.50                          | 64                   | 3.6    | 16.0       | 5.4            | 24.0         | 6.9       | 30.7                               | 8.2   | 24.0       | .03               | .04               |
| <sup>5</sup> /16"  | 5/16                 | 3.13                          | 79                   | 5.7    | 25.4       | 8.4            | 37.4         | 10.8      | 48.0                               | 12.9  | 37.4       | .04               | .06               |
| <sup>3</sup> /8"   | 3/8                  | 3.75                          | 95                   | 8.2    | 36.5       | 12.1           | 53.8         | 15.6      | 69.4                               | 18.5  | 53.8       | .06               | .09               |
| <sup>1</sup> /2"   | <sup>1</sup> /2      | 5.00                          | 127                  | 14.5   | 64.5       | 21.6           | 96.I         | 27.7      | 123.2                              | 32.9  | 96.I       | .10               | .15               |
| <sup>9</sup> /16'' | <sup>9</sup> /16     | 5.63                          | 143                  | 18.4   | 81.8       | 27.3           | 121.4        | 35.0      | 155.7                              | 41.7  | 121.4      | .13               | .19               |
| <sup>5</sup> /8"   | 5/8                  | 6.25                          | 159                  | 22.7   | 101.0      | 33.7           | 149.9        | 43.3      | 192.6                              | 51.4  | 149.9      | .16               | .24               |
| <sup>3</sup> /4"   | 3/4                  | 7.50                          | 190                  | 32.7   | 145.4      | 48.5           | 215.7        | 62.3      | 277.1                              | 74.I  | 215.7      | .23               | .34               |

| Eagle Cle        | ar 95                                 | DESCRIF<br>Trapez<br>Non-F                    |                  |       | Vee       | T-Top           |                 | win       | Lo-Ridge-Top                     | Hi-Ridg | je-Top A   | A / BB Ribbed     |                   |
|------------------|---------------------------------------|---|------------------|-------|-----------|-----------------|-----------------|-----------|----------------------------------|---------|------------|-------------------|-------------------|
|                  |                                       | HARDNH<br><b>95A</b><br>FDA COI<br><b>Yes</b> | ESS<br>MPLIANT   |       |           | ess Steel<br>45 | FRICTION<br>.55 | -3        | mperatui<br>0°C to +<br>2°F to + | 66°C    |            |                   |                   |
|                  |                                       |   |                  |       |           | Woi             | rking Load      | @ Percent | Tension                          |         |            | Weight            | Weight            |
| Cross<br>Section | Dimensions w x h*<br>(in)             | Minimum<br>(in)                               | Pulley Ø<br>(mm) | (lbs) | 4%<br>(N) | (lbs)           | 6%<br>(N)       | (lbs)     | 8%<br>(N)                        | (lbs)   | 10%<br>(N) | per foot<br>(lbs) | per metre<br>(kg) |
| 3L               | <sup>3</sup> /8 x <sup>7</sup> /32    | 2.19  | 56               | 4.1   | 18.2      | 6.6             | 29.4            | 8.9       | 39.6                             | 10.8    | 48.0       | .03               | .04               |
| 3L T-Top         | <sup>9</sup> /16 x <sup>19</sup> /64  | 2.50  | 64               | 6.1   | 27.1      | 9.9             | 44.0            | 13.3      | 59.2                             | 16.2    | 72.1       | .05               | .07               |
| 3L Twin          | <sup>15</sup> /16 x <sup>17</sup> /64 | 2.50  | 64               | 11.4  | 50.7      | 18.6            | 82.7            | 25.0      | 111.2                            | 30.5    | 135.7      | .10               | .15               |
| A/13             | <sup>1</sup> /2 x <sup>5</sup> /16    | 3.13  | 79               | 7.6   | 33.8      | 12.3            | 54.7            | 16.6      | 73.8                             | 20.2    | 89.8       | .07               | .10               |
| A Lo-Ridge-Top   | <sup>1</sup> /2 x <sup>7</sup> /16    | 3.13  | 79               | 7.6   | 33.8      | 12.3            | 54.7            | 16.6      | 73.8                             | 20.2    | 89.8       | .07               | .10               |
| A Hi-Ridge-Top   | <sup>1</sup> /2 x <sup>5</sup> /8     | 6.00  | 152              | 12.5  | 55.6      | 20.3            | 90.3            | 27.4      | 121.9                            | 33.4    | 148.6      | .09               | .13               |
| A Twin           | <sup>3</sup> /16 x <sup>5</sup> /16   | 3.13  | 79               | 15.4  | 68.5      | 25.1            | 111.6           | 33.8      | 150.3                            | 41.2    | 183.3      | .15               | .22               |
| AA               | 1/2 x <sup>13</sup> /32               | 4.13  | 105              | 10.8  | 48.0      | 17.6            | 78.3            | 23.7      | 105.4                            | 28.8    | 128.1      | .09               | .13               |
| B/17             | <sup>11</sup> /16 x <sup>13</sup> /32 | 4.13  | 105              | 13.1  | 58.3      | 21.3            | 94.7            | 28.6      | 127.2                            | 34.8    | 154.8      | .11               | .16               |
| BB               | <sup>11</sup> /16 x <sup>9</sup> /16  | 5.63  | 143              | 16.5  | 73.4      | 26.8            | 119.2           | 36.1      | 160.6                            | 44.0    | 195.7      | .16               | .24               |
| C/22             | <sup>29</sup> /32 x <sup>17</sup> /32 | 5.38  | 136              | 22.7  | 101.0     | 37.0            | 164.6           | 49.8      | 221.5                            | 60.7    | 270.0      | .19               | .28               |
| D Ribbed         | 1 <sup>5</sup> /16 x <sup>3</sup> /4  | 8.50  | 216              | 47.1  | 209.5     | 76.8            | 341.6           | 103.3     | 459.5                            | 125.9   | 560.0      | .38               | .57               |

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| Eagle W          | White 40I            | )                  |                          | CRIPTION<br>und, Non-   | Reinforce  | ed         | $\bigcirc$                      |          |                           |               |  |             |                |                                  |                  |                       |      |
|------------------|----------------------|--------------------|--------------------------|---|------------|------------|---------------------------------|----------|---------------------------|---------------|--|-------------|----------------|----------------------------------|------------------|-----------------------|------|
|                  |                      |                    | MAT                      | rerial<br>yester  |            |            | HARDNH<br>40D<br>FDA COL<br>Yes |          |                           | St.<br>St.    | DEFFICIENT<br>ainless S<br>eel .45<br>HMW .3 | teel .55    |                | TEMPERAT<br>-30°C to<br>-22°F to | +66°C            |                       |      |
|                  |                      |                    |                          |   |            |            | 105                             | Wor      | king Load (               |               |  |             |                | Weigh                            |                  | Weig                  | t    |
| Cross            | Dimensions           | ø                  | Minir                    | mum Pulley Ø  |            | L          | 4%                              |          | 6%                        |               | 8%   |             | 10%            | per fo                           |                  | per n                 |      |
| Section          | (mm)                 |                    | (in)                     | (mm)  |            | (lbs)      | (N)                             | (lbs)    | (N)                       | (lbs)         | (N)  | (lbs)       | (N)            | (lbs)                            |                  | (kg                   |      |
| 5mm              | 5                    |                    | 2.00                     | 50  |            | 5.2        | 23.1                            | 8.0      | 35.6                      | 10.5          | 46.7   | 12.6        | 56.0           | .02                              |                  | .0.                   |      |
| 6mm              | 6                    |                    | 2.38                     | 60  |            | 7.5        | 33.7                            | 11.5     | 51.2                      | 15.1          | 67.2   | 18.2        | 80.9           | .025                             | )                | .04                   |      |
| 8mm              | 8                    |                    | 3.10                     | 80  |            | 3.3        | 59.2                            | 20.5     | 91.2                      | 26.8          | 119.2  | 32.3        | 143.7          | .04                              |                  | .0                    |      |
| 10mm             | 10                   |                    | 4.00                     | 100   |            | 0.8        | 92.5                            | 32.0     | 142.2                     | 41.9          | 186.5  | 50.5        | 224.6          | .07                              |                  |                       |      |
| 12mm             | 12                   |                    | 4.75                     | 120   |            | 9.9        | 133.2                           | 46.0     | 204.7                     | 60.4          | 268.5  | 72.7        | 323.5          | .09                              |                  | .l.<br>د              |      |
| 15mm             | 15                   |                    | 5.90                     | 150   |            | 6.8<br>7.4 | 208.1<br>299.7                  | 71.9     | 319.9<br>460.6            | 94.3<br>135.8 | 419.6<br>604.2                               | 113.6       | 505.4<br>727.8 | .14                              |                  | .2                    |      |
| 18mm<br>20mm     | 20                   |                    | 7.10                     | 200   |            | 3.2        | 370.0                           | 103.0    | 568.7                     | 155.0         | 745.9  | 202.0       | 898.5          | .22                              |                  | .3                    |      |
| 2011111          | 20                   |                    | 1.00                     | 200   | 0          | 5.2        | 570.0                           | 121.7    | 300.7                     | 107.7         | /43.7  | 202.0       | 070.3          | .23                              |                  | .),                   |      |
| Eagle W          | White 40I            | )                  | Tra<br>SG'<br>MAT<br>Pol | CRIPTION<br>pezoidal, I<br>T with Int<br>FERIAL                 | egrally Bo |            | d PVCT                          | <u>^</u> | Vee                       | St            | SGT Add                                      | l' of fric' | ominal to l    | TEMPERAT                         | ure ran<br>+66°C | IGE                   |      |
|                  |                      |                    | SG                       | T with 55   | А Тор      |            |                                 | MPLIANT  | N 000                     | T 11          | eel .45<br>HMW .3                            | 5           |                | -22°F to                         | +150°F           |                       |      |
|                  |                      | M: : D             |                          | M: :  | ~          |            | White 4                         |          | y; Not SG                 |               |  | ,<br>       |                |                                  |                  |                       |      |
| Cross Di         | mensions w x h*      | Minimum Pu         | lley Ø                   | Minimum Pulle   | ey Ø       |            | 4%                              | Wo       | orking Load<br>6%         | @ Percent     | t Tension<br>8%                              |             | 10%            | Weig<br>per foot                 |                  | Weig<br>per metr      |      |
| Section          |                      | (IN)<br>White 40D) | (SGT) (                  | (mm)<br>White 40D)  | (SGT)      | (lbs)      | (N)                             | (lbs)    | (N)                       | (lbs)         | (N)  | (lbs)       | (N)            | (White 40D                       |                  | (White 40D            |      |
| 8mm x 5mm        | 8 x 5                | 2.60               | _                        | 65  |            | 6.3        | 28.0                            | 10.8     | 48.0                      | 14.8          | 65.8   | 18.3        | 81.4           | .02                              |                  | .03                   | _    |
| Z/10             | 10 x 6               | 3.10               |                          | 80  |            | 9.4        | 41.8                            | 6.       | 71.6                      | 22.2          | 98.7   | 27.4        | 121.9          | .05                              |                  | .07                   | _    |
| A/13             | 13 x 8               | 4.00               | 4.50                     | 102   | 114        | 15.7       | 69.8                            | 26.9     | 120.0                     | 37.0          | 164.6  | 45.8        | 203.7          | .13                              | .08              | .19                   |      |
| B/17             | 17 x 11              | 5.50               | 6.50                     | 140   | 160        | 27.I       | 120.5                           | 46.4     | 206.4                     | 64.0          | 284.7  | 79.1        | 351.8          | .19                              | .12              | .28                   |      |
| C/22             | 22 x 14              | 7.00               | 7.50                     | 178   | 180        | 47.3       | 210.4                           | 80.8     | 359.4                     | 111.4         | 495.5  | 137.8       | 612.9          | .28                              | .20              | .42                   |      |
| Eagle B          | Blue 55D             |                    | Ro                       | CRIPTION<br>und, Non–<br>FERIAL<br>yester                       | Reinforce  | ed         | HARDNI<br>55D                   | ESS      |                           | St:<br>St     | DEFFICIENT<br>ainless S<br>eel .40           | teel .50    | TION           | TEMPERAT<br>-30°C to<br>-22°F to | +80°C            |                       |      |
|                  |                      |                    |                          |   |            |            | No                              |          |                           | U             | HMW .3                                       | 0           |                |                                  |                  |                       |      |
|                  |                      |                    |                          |   |            |            |                                 |          | king Load (               |               |  |             |                | Weig                             |                  | Weig                  |      |
| Cross<br>Section | Dimensions<br>(mm)   | Ø                  | Minii<br>(in)            | mum Pulley Ø<br>(m  |            | (lbs)      | 4%<br>(N)                       | (lbs)    | 6%<br>(N)                 | (lbs)         | 8%<br>(N)                                    | (lbs)       | 10%<br>(N)     | per fo<br>(lbs)                  |                  | per m<br>(kg          |      |
| IOmm             | 10                   |                    | 5.00                     | 12  | ·          | 9.3        | 174.6                           | 60.4     | 268.7                     | 78.5          | 349.2  | 93.0        | 413.8          | .07                              |                  | ۰۰»<br>۱۱.            |      |
| 15mm             | 15                   |                    | 7.50                     | 12  |            | 8.3        | 392.9                           | 135.9    | 604.5                     | 176.7         | 785.8  | 209.3       | 931.0          | .14                              |                  | .21                   |      |
| 18mm             | 18                   |                    | 9.00                     | 22  |            | 7.2        | 565.8                           | 195.7    | 870.5                     | 254.4         | 1131.5                                       | 301.4       | 1340.6         | .22                              |                  | .33                   |      |
| 20mm             | 20                   |                    | 10.00                    | 25  |            | 7.0        | 698.5                           | 241.6    | 1074.7                    | 314.1         | 1396.9                                       | 372.1       | 1655.1         | .23                              |                  | .34                   |      |
| agle B           | Blue 55D             |                    | MAT                      | CRIPTION<br>I <b>pezoidal</b> , I<br>ITERIAL<br>I <b>Vester</b> | Non-Reir   | nforc      | HARDNI<br>55D<br>FDA COI        |          |                           | St.<br>St.    | DEFFICIENT<br>ainless S<br>eel .40           | teel .50    |                | TEMPERAT<br>-30°C to<br>-22°F to | +80°C            |                       |      |
|                  |                      |                    |                          |   |            |            | No                              |          |                           |               | HMW .3                                       | 0           |                |                                  |                  |                       |      |
| Cross<br>Section | Dimensions w<br>(mm) | x h*               | Minim<br>(in)            | num Pulley Ø<br>(mi   | m)         | (lbs)      | 4%<br>(N)                       |          | rking Load (<br>6%<br>(N) |               | Tension<br>8%<br>(N)                         | (lbs)       | 10%<br>(N)     | Weigt<br>per fo<br>(lbs)         | ot               | Weig<br>per m<br>(kg) | etre |
| 7/10             |                      | _                  | 2 12                     | ,<br>v  | ,          | , ,<br>, , | 00.0                            | 22.7     | 145.2                     | 41.0          | 102 /  | 47.5        | 211.2          | 00                               |                  | 07                    |      |

3.13 Z/10 10 x 6.5 80 22.2 98.8 32.7 145.2 41.0 182.4 47.5 211.2 .05 A/13 13 x 8 4.00 102 35.5 158.1 52.3 232.4 65.6 291.8 76.0 337.9 .07 17 x 11.5 272.2 112.9 130.8 B/17 5.50 140 61.2 90.0 400.I 502.4 581.7 11. C/22 22 x 14.5 7.00 178 108.5 482.7 159.5 709.5 200.3 890.8 231.9 1031.5 .19

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\* w (width) is the widest part of the belt. b (beight) is the tallest part of the belt, NOT including the nominal 5 mm of the integrally bonded top surface belting.

.07

.10

.21

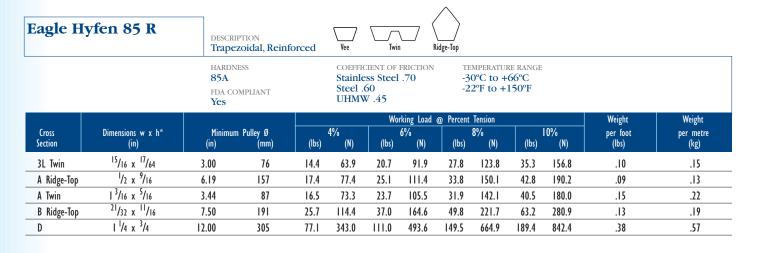
.28

Dimensions are for reference only.

| Eagle O  | paque 8   | 0 R  |   | SCRIPTION<br>Dund, Reinforced   |   | $\bigcirc$  |  |  |   |  |   |  |  |  |  |   |
|--|---|--|---|---|---|---|--|--|---|--|---|--|--|--|--|---|
|  |   |  | 80  | A COMPLIANT   |   |   | ess Steel<br>65  | FRICTION<br>75   | -3  | MPERATUR<br>0°C to +(<br>2°F to +1   | 66°C  |  |  |  |  |   |
| Cross<br>Section   | Dimensions<br>(mm)  | Ø  | Mini<br>(in)  | imum Pulley Ø<br>(mm)   | (lbs)   | 4%<br>(N)   |  | rking Load (<br>6%<br>(N)  |   | Tension<br>8%<br>(N)   | (lbs)   | 10%<br>(N)   | Weigh<br>per foo<br>(lbs)  | ot   | Weig<br>per mo<br>(kg)   | etre  |
| 8mm  | 8   |  | 3.13  | 80  | 4.3   | 19.2  | 10.7   | 47.6   | 15.4  | 68.4   | 19.0  | 84.6   | .04  |  | .06  |   |
| 10mm   | 10  |  | 3.93  | 100   | 9.74  | 43.I  | 24.1   | 107.2  | 34.6  | 153.9  | 42.8  | 190.3  | .06  |  | .09  |   |
| 15mm   | 15  |  | 5.90  | 150   | 21.8  | 97.0  | 54.2   | 241.1  | 77.9  | 346.4  | 96.3  | 428.2  | .14  |  | .21  |   |
| Eagle O  | paque 8   | 0 R  |   | SCRIPTION<br>apezoidal, Reinfo  | orced   | Vee   | Ridge-Te   | )<br>op  |   |  |   |  |  |  |  |   |
|  |   |  | 80  | A COMPLIANT   |   |   | ess Steel<br>65  | FRICTION   | -3  | MPERATUR<br>0°C to +0<br>2°F to +1   | 66°C  |  |  |  |  |   |
|  |   |  |   |   |   | 10/   |  | rking Load (   |   |  | 1   | 40/  | Weigh  |  | Weigl  |   |
| Cross<br>Section   | Dimensions w<br>(mm)  | x h*   | Mini<br>(in)  | imum Pulley Ø<br>(mm)   | (lbs)   | 1%<br>(N)   | (lbs)  | 2%<br>(N)  | (lbs)   | 3%<br>(N)  | (lbs)   | 4%<br>(N)  | per fo<br>(lbs)  | ot   | per me<br>(kg)   |   |
| A/13   | 3 x 8   |  | 3.13  | 80  | 6.2   | 27.5  | 16.7   | 74.4   | 25.2  | 111.9  | 30.8  | 136.8  | .07  |  | .](  |   |
| A Ridge-Top  | 13 x 16   |  | 6.30  | 160   | 6.2   | 27.5  | 16.7   | 74.4   | 25.2  | 111.9  | 30.8  | 136.8  | .09  |  |  |   |
| B/17   | 17 x 11   |  | 4.38  | 110   | 11.0  | 48.8  | 29.7   | 132.0  | 44.6  | 198.4  | 54.5  | 242.6  | .11  |  | .10  | 5   |
| B Ridge-Top  | 17 x 20   |  | 7.88  | 200   | 11.0  | 48.8  | 29.7   | 132.0  | 44.6  | 198.4  | 54.5  | 242.6  | .13  |  | .19  | )   |
|  | 70ry 85 R   |  | на<br>85  | T with Integrall<br>RDNESS<br>A; SGT with 70A<br>A COMPLIANT  |   | COEFFI  | CIENT OF<br>ess Steel<br>60  | FRICTION   | -3  | Ridge-Top<br>MPERATUR<br>0°C to +0<br>2°F to +1  | 66°C  |  | right for total  | oeu neig   | <i>р</i> и   |   |
|  |   |  | 110   |   |   |   |  |  |   |  |   |  |  |  |  |   |
|  |   | Minimum P  |   | Minimum Pulley Ø  |   |   | Wo   | rking Load (   | @ Percent   | Tension  |   |  | Weigh  | t  | Weigl  | nt  |
| Cross<br>Section   | Dimensions w x h*<br>(mm)   |  | ulley Ø   |   | (lbs)   | 1%<br>(N)   |  | rking Load (<br>2%<br>(N)  |   | Tension<br>3%<br>(N)   | (lbs)   | 4%<br>(N)  | Weigh<br>per foot<br>(Ivory 85 F   | (lbs)  | Weigl<br>per metro<br>(Ivory 85 I  | e (kg)  |
| Section<br>Z/10  | (mm)<br>10 x 6  | (in)<br>(Ivory 85 R)<br>2.38   | ulley Ø<br>(SGT)  | Minimum Pulley Ø<br>(mm)<br>(Ivory 85 R) (SGT)<br>60 —  | (lbs)<br>2.9  | (N)<br>12.7   | (lbs)<br>8.6   | 2%<br>(N)<br>38.2  | (lbs)<br>  3.7  | 3%<br>(N)<br>60.8  | (lbs)<br>17.4   | (N)<br>77.6  | per foot<br>(Ivory 85 F<br>.05   | (lbs)<br>K) (SGT)  | per metre<br>(Ivory 85 I<br>.07  | e (kg)<br>R) (SGT)<br>  |
| Section<br>Z/10<br>A/13  | (mm)<br>10 x 6<br>13 x 8  | (in)<br>(Ivory 85 R)<br>2.38<br>3.13   | ulley Ø   | Minimum Pulley Ø<br>(mm)<br>(Ivory 85 R) (SGT)           60         —           80         92   | (lbs)<br>2.9<br>5.0   | (N)<br>12.7<br>22.2   | (lbs)<br>8.6<br>15.1   | 2% (N)<br>38.2<br>67.0   | (lbs)<br>13.7<br>24.0   | 3%<br>(N)<br>60.8<br>106.7   | (lbs)<br>17.4<br>30.6   | (N)<br>77.6<br>136.1   | per foot<br>(Ivory 85 F<br>.05<br>.07  | (lbs)  | per metri<br>(Ivory 85 I<br>.07<br>.10   | e (kg)  |
| Section<br>Z/10<br>A/13<br>A Ridge-Top   | (mm)<br>10 x 6<br>13 x 8<br>13 x 16   | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30                                       | ulley Ø<br>(SGT)<br><br>3.60<br>  | Minimum Pulley Ø<br>(mm)<br>(Ivory 85 R) (SGT)           60         —           80         92           160         —   | (lbs)<br>2.9<br>5.0<br>5.0  | (N)<br>12.7<br>22.2<br>22.2   | (lbs)<br>8.6<br>15.1<br>15.1   | 2%<br>(N)<br>38.2<br>67.0<br>67.0  | (lbs)<br>13.7<br>24.0<br>24.0   | 3%<br>(N)<br>60.8<br>106.7<br>106.7  | (lbs)<br>17.4<br>30.6<br>30.6   | (N)<br>77.6<br>136.1<br>136.1  | per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09   | (lbs)<br>k) (SGT)<br>.08                                 | per metro<br>(Ivory 85 I<br>.07<br>.10<br>.13  | e (kg)<br>R) (SGT)<br>.12   |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17   | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11  | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38                               | ulley Ø<br>(SGT)  | Minimum Pulley Ø<br>(mm)<br>(Ivory 85 R) (SGT)           60         —           80         92           160         —           110         124   | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8   | (N)<br>12.7<br>22.2<br>22.2<br>39.4   | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7   | 2% (N)<br>38.2<br>67.0<br>67.0<br>118.8  | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5   | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2  | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3   | (N)<br>77.6<br>136.1<br>136.1<br>241.3   | per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11  | (lbs)<br>K) (SGT)  | per metri<br>(Ivory 85 1<br>.07<br>.10<br>.13<br>.16   | e (kg)<br>R) (SGT)<br>  |
| Section<br>Z/10<br>A/13<br>A Ridge-Top   | (mm)<br>10 x 6<br>13 x 8<br>13 x 16   | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30                                       | ulley Ø<br>(SGT)<br><br>3.60<br>  | Minimum Pulley Ø<br>(mm)<br>(Ivory 85 R) (SGT)           60         —           80         92           160         —   | (lbs)<br>2.9<br>5.0<br>5.0  | (N)<br>12.7<br>22.2<br>22.2   | (lbs)<br>8.6<br>15.1<br>15.1   | 2%<br>(N)<br>38.2<br>67.0<br>67.0  | (lbs)<br>13.7<br>24.0<br>24.0   | 3%<br>(N)<br>60.8<br>106.7<br>106.7  | (lbs)<br>17.4<br>30.6<br>30.6   | (N)<br>77.6<br>136.1<br>136.1  | per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09   | (lbs)<br>k) (SGT)<br>.08                                 | per metro<br>(Ivory 85 I<br>.07<br>.10<br>.13  | e (kg)<br>R) (SGT)<br>.12   |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top  | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20   | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88                       | ulley Ø<br>(SGT)<br>3.60<br>4.88<br>  | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —   | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8  | (N)<br>12.7<br>22.2<br>22.2<br>39.4<br>39.4   | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7<br>26.7   | 2% (N)<br>38.2<br>67.0<br>67.0<br>118.8<br>118.8   | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5   | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2   | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3   | (N)<br>77.6<br>136.1<br>136.1<br>241.3<br>241.3  | per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13   | (lbs)<br>(SGT)<br>.08<br>.12<br>.12                      | per metr<br>(Ivory 85 I<br>.10<br>.13<br>.16<br>.19  | e (kg)<br>(SGT)<br>.12<br>.18<br>.18  |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top   | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14  | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00      | ulley Ø<br>(SGT)<br>3.60<br>4.88<br>6.00<br><br>5.00  | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —           140         152   | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6  | (N)<br>12.7<br>22.2<br>22.2<br>39.4<br>39.4<br>65.1   | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7<br>26.7<br>44.2   | 2% (N)<br>38.2<br>67.0<br>67.0<br>118.8<br>118.8<br>196.7  | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4   | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2<br>313.1  | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>54.3<br>89.8   | (N)<br>77.6<br>136.1<br>136.1<br>241.3<br>241.3<br>399.4   | per foot<br>(lvory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19  | (lbs)<br>(SGT)<br>.08<br>.08<br>.12<br>.20               | per metri<br>(Ivory 85 I<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28   | e (kg)<br>(SGT)<br>.12<br>.18<br>.18  |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top   | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14<br>22 x 28   | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00      | ulley Ø<br>(SGT)<br><br>3.60<br><br>4.88<br><br>6.00<br><br>Ro<br>Ro<br>HAI   | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R)         (SGT)           60         —           80         92           160         —           110         124           200         —           140         152           280         —           SCRIPTION         Dund, Reinforced           RDNESS         A           A COMPLIANT         T   | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6  | (N)<br>12.7<br>22.2<br>39.4<br>39.4<br>65.1<br>65.1<br>COEFFIG  | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7<br>26.7<br>44.2<br>44.2<br>44.2<br>CIENT OF<br>rss Steel<br>60  | 2%<br>(N)<br>38.2<br>67.0<br>67.0<br>118.8<br>118.8<br>118.8<br>196.7<br>196.7<br>FRICTION   | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4<br>70.4<br>70.4<br>TTE<br>-3  | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2<br>313.1  | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8   | (N)<br>77.6<br>136.1<br>136.1<br>241.3<br>241.3<br>399.4<br>399.4  | per foot<br>(lvory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19  | (lbs)<br>(SGT)<br>.08<br>.08<br>.12<br>.20               | per metri<br>(Ivory 85 I<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28   | e (kg)<br>(SGT)<br>.12<br>.18<br>.18  |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top<br>Eagle H  | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14<br>22 x 28<br><b>Tyfen 85</b>  | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00<br>R | ulley Ø<br>(SGT)<br>  | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —           140         152           280         —           SCRIPTION<br>DUND, Reinforced         RDNESS           A         COMPLIANT           's         imum Pulley Ø   | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6  | (N)<br>12.7<br>22.2<br>39.4<br>39.4<br>65.1<br>65.1<br>COEFFI(<br>Stainle<br>Steel .<br>UHMN<br>4%  | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7<br>26.7<br>26.7<br>44.2<br>44.2<br>44.2<br>44.2<br>CIENT OF<br>SS Steel<br>60<br>V .45<br>Wo  | 2%<br>(N)<br>38.2<br>67.0<br>67.0<br>118.8<br>118.8<br>196.7<br>196.7<br>196.7<br>FRICTION<br>.70  | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4<br>70.4<br>TTE<br>-3<br>-2<br>2<br>Percent  | 3%<br>(N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2<br>313.1<br>313.1<br>313.1<br>MPERATUR<br>0°C to +0<br>2°F to +1<br>Tension<br>8%                                    | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>80.6<br>56°C<br>150°F  | (N)<br>77.6<br>136.1<br>136.1<br>241.3<br>241.3<br>399.4<br>399.4  | Per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19<br>.25   | (lbs)<br>(SGT)<br>.08<br>.08<br>.12<br>.12<br>.20<br>.20 | per metri<br>(lvory 85 l<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28<br>.37<br>.37   | e (kg)<br>(SGT)<br>.12<br>.18<br>.18<br>.30<br>.30  |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top<br>Eagle H  | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14<br>22 x 28<br><b>Tyfen 85</b>  | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00<br>R | ulley Ø<br>(SGT)<br><br>3.60<br><br>4.88<br><br>6.00<br><br>Ro<br>BES<br>Ro<br>HAI<br>85<br>FD2<br>Ye<br>Ye<br>Mini<br>(in) | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —           140         152           280         —           SCRIPTION<br>DUND, Reinforced         RDNESS           A         COMPLIANT           'S         S   | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6<br>(lbs)   | (N)<br>12.7<br>22.2<br>39.4<br>39.4<br>65.1<br>65.1<br>COEFFIG<br>Stainle<br>Steel .<br>UHMV<br>4%<br>(N)   | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7<br>26.7<br>26.7<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2 | 2%<br>(N)<br>38.2<br>67.0<br>67.0<br>118.8<br>118.8<br>118.8<br>196.7<br>196.7<br>FRICTION<br>.7O  | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4<br>70.4<br>TE<br>-3<br>-2<br>Percent<br>(lbs)   | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2<br>313.1<br>313.1<br>MPERATUR<br>0°C to +0<br>2°F to +1<br>Tension  | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>(lbs)  | (N)<br>77.6<br>136.1<br>136.1<br>241.3<br>241.3<br>399.4<br>399.4  | Per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19<br>.25   | (lbs)<br>(SGT)<br>.08<br>.08<br>.12<br>.12<br>.20<br>.20 | per metri<br>(Ivory 85 I<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28<br>.37  | e (kg)<br>(SGT)<br>.12<br>.18<br><br>.30<br>  |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top<br>Eagle H<br>Eagle H   | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14<br>22 x 28<br><b>Lyfen 85</b><br>Dimensions<br>(in)<br>3/16<br>1/4   | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00<br>R | ulley Ø<br>(SGT)<br>  | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —           140         152           280         —           SCRIPTION<br>DUNCL         REINFORCED           RDNESS         A           A COMPLIANT         IS           imum Pulley Ø<br>(mm)         (mm)  | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6  | (N)<br>12.7<br>22.2<br>39.4<br>39.4<br>65.1<br>65.1<br>COEFFI(<br>Stainle<br>Steel .<br>UHMN<br>4%  | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7<br>26.7<br>26.7<br>44.2<br>44.2<br>44.2<br>44.2<br>CIENT OF<br>SS Steel<br>60<br>V .45<br>Wo  | 2%<br>(N)<br>38.2<br>67.0<br>67.0<br>118.8<br>118.8<br>118.8<br>196.7<br>196.7<br>196.7<br>196.7<br>rking Load (<br>6%<br>(N)                                  | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4<br>70.4<br>TTE<br>-3<br>-2<br>2<br>Percent  | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2<br>313.1<br>313.1<br>MPERATUR<br>0°C to +(<br>2°F to +1<br>Tension<br>8% (N)  | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>80.6<br>56°C<br>150°F  | (N)<br>77.6<br>136.1<br>136.1<br>241.3<br>241.3<br>399.4<br>399.4<br>10%<br>(N)  | Per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19<br>.25   | (lbs)<br>. (SGT)<br>. 08<br>                             | per metri<br>(lvory 85 f<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28<br>.37<br>.37<br>   | e (kg)<br>(SGT)<br>.12<br>.12<br>.18<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br>   |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top<br>C/22<br>C Ridge-Top<br>Eagle H<br>Section<br><sup>3</sup> /16"<br><sup>1</sup> /4"<br><sup>5</sup> /16"  | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14<br>22 x 28<br><b>Lyfen 85</b><br>Dimensions<br>(in)<br><sup>3</sup> /16<br><sup>1</sup> /4<br><sup>5</sup> /16 | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00<br>R | ulley Ø<br>(SGT)<br>  | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —           140         152           280         —           SCRIPTION<br>DUNCH, Reinforced         RDNESS           A         COMPLIANT           rs         imum Pulley Ø<br>(mm)           51         51  | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6<br>(lbs)<br>2.8                                      | (N)<br>12.7<br>22.2<br>39.4<br>39.4<br>65.1<br>65.1<br>COEFFE<br>Stainte<br>Steel .<br>UHMV<br>4%<br>(N)<br>12.5  | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7<br>26.7<br>44.2<br>44.2<br>44.2<br>44.2<br>CLENT OF<br>Erss Steel<br>60<br>V .45<br>Wo<br>(lbs)<br>8.4  | 2%<br>(N)<br>38.2<br>67.0<br>67.0<br>118.8<br>118.8<br>118.8<br>196.7<br>196.7<br>196.7<br>196.7<br>196.7<br>.70   | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4<br>70.4<br>70.4<br>TE<br>-3<br>-2<br>Percent<br>(lbs)<br>11.9   | 3%<br>(N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2<br>313.1<br>313.1<br>313.1<br>313.1<br>313.1<br>2°F to +1<br>Tension<br>8%<br>(N)<br>52.9                            | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>(lbs)<br>14.7  | (N)<br>77.6<br>136.1<br>136.1<br>241.3<br>241.3<br>399.4<br>399.4<br>10%<br>(N)<br>65.4  | Per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19<br>.25<br>.25<br>  | (lbs)<br>.08<br>.08<br>.12<br>.12<br>.20<br>.20          | per metri<br>(lvory 85 f<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28<br>.37<br>.37<br>.28<br>.37   | e (kg)<br>(SGT)<br>.12<br>.12<br>.18<br><br>.30<br>   |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top<br>C/22<br>C Ridge-Top<br><b>Eagle H</b><br>Section<br><sup>3</sup> /16"<br><sup>1</sup> /4"<br><sup>5</sup> /16"<br><sup>3</sup> /8"   | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14<br>22 x 28<br><b>Lyfen 85</b><br>Dimensions<br>(m)<br>3/16<br>1/4<br>5/16<br>3/8                               | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00<br>R | ulley Ø<br>(SGT)<br>  | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —           140         152           280         —           SCRIPTION<br>DUNCH, Reinforced         RDNESS           A         COMPLIANT           's         S1           70         70   | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6<br>(lbs)<br>2.8<br>3.7                               | (N)<br>12.7<br>22.2<br>39.4<br>39.4<br>65.1<br>65.1<br>COEFFIT<br>Stainle<br>Steel .<br>UHMN<br>4%<br>(N)<br>12.5<br>16.5   | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7<br>26.7<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2 | 2%<br>(N)<br>38.2<br>67.0<br>67.0<br>118.8<br>118.8<br>196.7<br>196.7<br>196.7<br>196.7<br>196.7<br>196.7<br>.70   | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>(lbs)<br>11.9<br>20.0  | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2<br>313.1<br>313.1<br>MPERATUR<br>0°C to +0<br>2°F to +1<br>Tension<br>8% (N)<br>52.9<br>89.0                            | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>80.6<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>15.0<br>14.7<br>27.8<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>14.7<br>15.7<br>14.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>14.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7<br>15.7 | (N)<br>77.6<br>136.1<br>241.3<br>241.3<br>399.4<br>399.4<br>10%<br>(N)<br>65.4<br>123.7  | Per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19<br>.25<br>.25<br>.25<br>.01<br>.01<br>.01<br>.03               | (lbs)<br>.(SGT)<br>.08<br><br>.12<br><br>.20<br>         | per metri<br>(lvory 85 f<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28<br>.37<br>.37<br>.37<br>.0<br>.0<br>.01<br>.01  | e (kg)<br>(SGT)<br>.12<br>.12<br>.18<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br>                      |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top<br>C/22<br>C Ridge-Top<br><b>Eagle H</b><br>Sidge-Top<br><b>Eagle H</b><br>Sidge-Top<br><b>Eagle</b><br>Section<br><sup>3</sup> /16"<br><sup>1</sup> /4"<br><sup>5</sup> /16"<br><sup>3</sup> /8"<br><sup>1</sup> /2" | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14<br>22 x 28<br><b>Lyfen 85</b><br>(m)<br>3/16<br>1/4<br>5/16<br>3/8<br>1/2                                      | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00<br>R | ulley Ø<br>(SGT)<br>  | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —           140         152           280         —           SCRIPTION<br>DUNCL, REINFORCED         SCRIPTION           RDNESS         A           A COMPLIANT         S           imum Pulley Ø<br>(mm)         51           70         87           105         140  | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6<br>14.6<br>(lbs)<br>2.8<br>3.7<br>3.7<br>7.3<br>7.3  | (N)<br>12.7<br>22.2<br>39.4<br>39.4<br>65.1<br>65.1<br>COEFFIG<br>Stainle<br>Steel .<br>UHMN<br>4%<br>(N)<br>12.5<br>16.5<br>16.5<br>32.5<br>32.5                 | (lbs)<br>8.6<br>15.1<br>26.7<br>26.7<br>26.7<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>(lbs)<br>8.4<br>12.4<br>12.4<br>12.4<br>26.2<br>26.2   | 2%<br>(N)<br>38.2<br>67.0<br>118.8<br>118.8<br>196.7<br>196.7<br>196.7<br>196.7<br>FRICTION<br>.7O<br>FRICTION<br>.7O<br>(N)<br>37.4<br>55.2<br>116.5<br>116.5 | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>(lbs)<br>11.9<br>20.0<br>20.0<br>43.5<br>43.5  | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2<br>313.1<br>313.1<br>313.1<br>313.1<br>0°C to +0<br>2°F to +1<br>Tension<br>8%<br>(N)<br>52.9<br>89.0<br>193.5<br>193.5 | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>(bs)<br>14.7<br>27.8<br>27.8<br>27.8<br>57.4<br>57.4   | (N)<br>77.6<br>136.1<br>241.3<br>241.3<br>399.4<br>399.4<br>399.4<br>10%<br>(N)<br>65.4<br>123.7<br>123.7<br>123.7<br>255.3<br>255.3                   | Per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19<br>.25<br>.25<br>.01<br>.01<br>.03<br>.04<br>.04<br>.06<br>.10 | (lbs)<br>. (SGT)<br>. 08<br>                             | per metri<br>(lvory 85 l<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28<br>.37<br>.37<br>.37<br>.37<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.0                      | e (kg)<br>(SGT)<br>.12<br>.12<br>.18<br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>                      |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top<br>C/22<br>C Ridge-Top<br>C/22<br>C Ridge-Top<br>C/22<br>Section<br><sup>3</sup> /16"<br><sup>1</sup> /4"<br><sup>5</sup> /16"<br><sup>3</sup> /8"<br><sup>1</sup> /2"<br><sup>9</sup> /16"                           | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14<br>22 x 28<br><b>Lyfen 85</b><br><b>Dimensions</b><br>(in)<br>3/16<br>1/4<br>5/16<br>3/8<br>1/2<br>9/16        | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00<br>R | ulley Ø<br>(SGT)<br>  | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —           140         152           280         —           SCRIPTION<br>DUNCH, Reinforced         SCRIPTION           RDNESS         A           A COMPLIANT         Image: SS           A         COMPLIANT           Image: SS         Image: SS           A         Image: SS           A         Image: SS           Image: SS         Image: SS           IMA         Image: SS           Image: SS         Image: SS           Image: SS | (lbs)<br>2.9<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6<br>14.6<br>(lbs)<br>2.8<br>3.7<br>3.7<br>7.3<br>7.3<br>16.7 | (N)<br>12.7<br>22.2<br>39.4<br>39.4<br>65.1<br>65.1<br>COEFFIC<br>Stainle<br>Steel .<br>UHMV<br>4%<br>(N)<br>12.5<br>16.5<br>16.5<br>16.5<br>32.5<br>32.5<br>74.3 | (lbs)<br>8.6<br>15.1<br>15.1<br>26.7<br>26.7<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>(bs)<br>8.4<br>12.4<br>12.4<br>12.4<br>12.4<br>12.4<br>26.2<br>36.6  | 2%<br>(N)<br>38.2<br>67.0<br>67.0<br>118.8<br>118.8<br>196.7<br>196.7<br>196.7<br>196.7<br>196.7<br>(N)<br>37.4<br>55.2<br>55.2<br>116.5<br>116.5<br>162.8     | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0<br>70.0 | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2<br>313.1<br>313.1<br>313.1<br>MPERATUR<br>0°C to +(<br>2°F to +1<br>Tension<br>8% (N)<br>52.9<br>89.0<br>193.5<br>193.5<br>258.0 | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>(bs)<br>14.7<br>27.8<br>27.8<br>57.4<br>57.4<br>57.4<br>75.8   | (N)<br>77.6<br>136.1<br>136.1<br>241.3<br>241.3<br>399.4<br>399.4<br>399.4<br>10%<br>(N)<br>65.4<br>123.7<br>123.7<br>123.7<br>123.7<br>255.3<br>337.2 | Per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19<br>.25<br>.25<br>.01<br>.01<br>.03<br>.04<br>.06<br>.10<br>.13 | (lbs)<br>(SGT)<br>.08<br>.12<br>.12<br>.20<br>.20<br>.12 | per metri<br>(lvory 85 f<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28<br>.37<br>.28<br>.37<br>.28<br>.37<br>.28<br>.37<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.0 | e (kg)<br>(SGT)<br>.12<br>.12<br>.18<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br><br>.30<br><br><br><br><br><br><br><br> |
| Section<br>Z/10<br>A/13<br>A Ridge-Top<br>B/17<br>B Ridge-Top<br>C/22<br>C Ridge-Top<br>C/22<br>C Ridge-Top<br>C/22<br>C Ridge-Top<br>3/16"<br><sup>3</sup> /16"<br><sup>3</sup> /16"<br><sup>3</sup> /16"<br><sup>3</sup> /16"<br><sup>3</sup> /16"<br><sup>3</sup> /8"                                   | (mm)<br>10 x 6<br>13 x 8<br>13 x 16<br>17 x 11<br>17 x 20<br>22 x 14<br>22 x 28<br><b>Lyfen 85</b><br>(m)<br>3/16<br>1/4<br>5/16<br>3/8<br>1/2                                      | (in)<br>(Ivory 85 R)<br>2.38<br>3.13<br>6.30<br>4.38<br>7.88<br>5.50<br>11.00<br>R | ulley Ø<br>(SGT)<br>  | Minimum Pulley Ø<br>(mm)<br>(lvory 85 R) (SGT)           60         —           80         92           160         —           110         124           200         —           140         152           280         —           SCRIPTION<br>DUNCH, Reinforced         SCRIPTION           RDNESS         A           A COMPLIANT         S           imum Pulley Ø<br>(mm)         51           70         87           105         140  | (lbs)<br>2.9<br>5.0<br>5.0<br>8.8<br>8.8<br>14.6<br>14.6<br>14.6<br>(lbs)<br>2.8<br>3.7<br>3.7<br>7.3<br>7.3  | (N)<br>12.7<br>22.2<br>39.4<br>39.4<br>65.1<br>65.1<br>COEFFIG<br>Stainle<br>Steel .<br>UHMN<br>4%<br>(N)<br>12.5<br>16.5<br>16.5<br>32.5<br>32.5                 | (lbs)<br>8.6<br>15.1<br>26.7<br>26.7<br>26.7<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>44.2<br>(lbs)<br>8.4<br>12.4<br>12.4<br>12.4<br>26.2<br>26.2   | 2%<br>(N)<br>38.2<br>67.0<br>118.8<br>118.8<br>196.7<br>196.7<br>196.7<br>196.7<br>FRICTION<br>.7O<br>FRICTION<br>.7O<br>(N)<br>37.4<br>55.2<br>116.5<br>116.5 | (lbs)<br>13.7<br>24.0<br>24.0<br>42.5<br>42.5<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>70.4<br>(lbs)<br>11.9<br>20.0<br>20.0<br>43.5<br>43.5  | 3% (N)<br>60.8<br>106.7<br>106.7<br>189.2<br>189.2<br>313.1<br>313.1<br>313.1<br>313.1<br>0°C to +0<br>2°F to +1<br>Tension<br>8%<br>(N)<br>52.9<br>89.0<br>193.5<br>193.5 | (lbs)<br>17.4<br>30.6<br>30.6<br>54.3<br>54.3<br>89.8<br>89.8<br>89.8<br>89.8<br>89.8<br>(bs)<br>14.7<br>27.8<br>27.8<br>27.8<br>57.4<br>57.4   | (N)<br>77.6<br>136.1<br>241.3<br>241.3<br>399.4<br>399.4<br>399.4<br>10%<br>(N)<br>65.4<br>123.7<br>123.7<br>123.7<br>255.3<br>255.3                   | Per foot<br>(Ivory 85 F<br>.05<br>.07<br>.09<br>.11<br>.13<br>.19<br>.25<br>.25<br>.01<br>.01<br>.03<br>.04<br>.04<br>.06<br>.10 | (lbs)<br>. (SGT)<br>. 08<br>                             | per metri<br>(lvory 85 l<br>.07<br>.10<br>.13<br>.16<br>.19<br>.28<br>.37<br>.37<br>.37<br>.37<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.00<br>.0                      | e (kg)<br>(SGT)<br>.12<br>.12<br>.18<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br>.30<br><br><br><br><br><br><br><br>     |

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\* w (width) is the widest part of the belt. b (height) is the tallest part of the belt. Dimensions are for reference only.



| Eagle H          | Iyfen 85 CXF                          | DESCRI<br>Trape             | PTION<br><b>zoidal, Reinf</b> o       | rced  | Vee F     | \               | 7`              | 10minal 2.<br>dd 2.5mm |                                  | to listed b | eight for to | otal belt height. |                   |
|------------------|---------------------------------------|-----------------------------|---------------------------------------|-------|-----------|-----------------|-----------------|------------------------|----------------------------------|-------------|--------------|-------------------|-------------------|
|                  |                                       |                             | ESS<br><b>ase, 60A Top</b><br>MPLIANT |       |           | ess Steel<br>60 | FRICTION<br>.70 | -3                     | MPERATUI<br>0°C to +<br>2°F to + |             |              |                   |                   |
|                  |                                       |                             |                                       |       |           | Wo              | rking Load      | @ Percent              | Tension                          |             |              | Weight            | Weight            |
| Cross<br>Section | Dimensions w x h*<br>(in)             | Minimu <del>n</del><br>(in) | n Pulley Ø<br>(mm)                    | (lbs) | 4%<br>(N) | (lbs)           | 6%<br>(N)       | (lbs)                  | 8%<br>(N)                        | (lbs)       | 10%<br>(N)   | per foot<br>(lbs) | per metre<br>(kg) |
| A                | <sup>1</sup> /2 x <sup>5</sup> /16    | 4.50                        | 115                                   | 22.2  | 98.6      | 29.6            | 131.7           | 36.7                   | 163.1                            | 43.4        | 193.2        | .07               | .10               |
| A Twin           | <sup>3</sup> /16 x <sup>5</sup> /16   | 4.50                        | 115                                   | 21.0  | 93.3      | 28.0            | 124.7           | 34.7                   | 154.4                            | 41.1        | 182.9        | .38               | .57               |
| В                | <sup>21</sup> /32 x <sup>13</sup> /32 | 5.50                        | 140                                   | 32.7  | 145.7     | 43.7            | 194.6           | 54.I                   | 240.9                            | 64.I        | 285.3        | .11               | .16               |
| C                | <sup>7</sup> /8 x <sup>17</sup> /32   | 7.00                        | 178                                   | 48.9  | 217.6     | 65.4            | 290.7           | 80.9                   | 359.9                            | 95.9        | 426.3        | .15               | .22               |
| D                | $1^{1}/4 \times {}^{3}/4$             | 12.50                       | 318                                   | 96.4  | 428.7     | 128.7           | 572.6           | 159.4                  | 708.8                            | 188.8       | 839.7        | .19               | .28               |

| Eagle (           | Orange 85 R               | descrii<br>Round                             | PTION<br><b>I, Reinforce</b> | d     | $\bigcirc$ |                |                 |           |                                    |       |           |                   |                   |
|-------------------|---------------------------|--|------------------------------|-------|------------|----------------|-----------------|-----------|------------------------------------|-------|-----------|-------------------|-------------------|
|                   |                           | HARDNI<br><b>85A</b><br>FDA CO<br><b>Yes</b> | ESS<br>MPLIANT               |       |            | ss Steel<br>60 | FRICTION<br>.70 | -3        | MPERATUR<br>0°C to +0<br>2°F to +1 | 66°C  |           |                   |                   |
|                   |                           |  |                              |       |            | Wo             | king Load (     | @ Percent | Tension                            |       |           | Weight            | Weight            |
| Cross<br>Section  | Dimensions Ø<br>(in) (mm) | Minimum<br>(in)                              | Pulley Ø<br>(mm)             | (lbs) | 4%<br>(N)  | (lbs)          | 6%<br>(N)       | (lbs)     | 8%<br>(N)                          | (lbs) | 0%<br>(N) | per foot<br>(lbs) | per metre<br>(kg) |
| 6mm               | 6                         | 2.38   | 60                           | 0.8   | 3.6        | 2.8            | 12.3            | 5.4       | 24.1                               | 7.8   | 34.6      | .025              | .04               |
| l/4"              | <sup>1</sup> /4           | 2.50   | 64                           | 0.8   | 3.6        | 2.8            | 12.3            | 5.4       | 24.I                               | 7.8   | 34.6      | .03               | .05               |
| <sup>5</sup> /16" | 5/16                      | 3.13   | 79                           | 1.3   | 5.6        | 4.3            | 19.3            | 8.5       | 37.6                               | 12.1  | 54.0      | .04               | .06               |
| 8mm               | 8                         | 3.13   | 80                           | 1.8   | 8.0        | 6.2            | 27.8            | 12.2      | 54.2                               | 17.5  | 77.8      | .04               | .06               |
| <sup>3</sup> /8"  | <sup>3</sup> /8           | 3.75   | 95                           | 1.8   | 8.0        | 6.2            | 27.8            | 12.2      | 54.2                               | 17.5  | 77.8      | .06               | .09               |
| 10mm              | 10                        | 3.94   | 100                          | 2.6   | 11.6       | 10.1           | 39.5            | 17.1      | 76.I                               | 24.9  | 110.7     | .06               | .09               |
| l2mm              | 12                        | 4.75   | 120                          | 3.3   | 14.7       | 11.5           | 51.2            | 22.5      | 100.0                              | 32.3  | 143.7     | .09               | .13               |
| <sup>1</sup> /2"  | <sup>1</sup> /2           | 5.00   | 127                          | 3.2   | 14.2       | 11.1           | 49.4            | 21.6      | 96.3                               | 31.1  | 138.2     | .10               | .15               |
| <sup>9</sup> /16" | <sup>9</sup> /16          | 5.63   | 143                          | 4.1   | 18.0       | 14.0           | 62.5            | 27.4      | 121.9                              | 39.3  | 175.0     | .13               | .19               |
| 15mm              | 15                        | 5.90   | 150                          | 4.5   | 20.0       | 15.5           | 68.9            | 30.2      | 134.3                              | 43.4  | 193.0     | .14               | .21               |
| <sup>5</sup> /8"  | <sup>5</sup> /8           | 6.25   | 159                          | 5.0   | 22.3       | 17.3           | 77.I            | 33.8      | 150.4                              | 48.6  | 216.0     | .16               | .24               |
| <sup>3</sup> /4"  | <sup>3</sup> /4           | 7.50   | 191                          | 7.2   | 32.I       | 25.0           | .               | 48.7      | 216.6                              | 69.9  | 311.1     | .23               | .34               |
| 20mm              | 20                        | 7.88   | 200                          | 7.6   | 33.8       | 26.3           | 116.9           | 51.1      | 227.3                              | 73.4  | 326.5     | .23               | .34               |

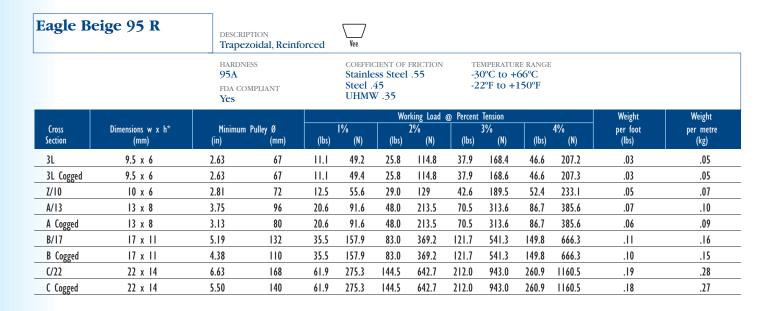
For technical assistance and drive design belp, contact Applications Engineering at +44 (0)870 7577007. \* w (widtb) is the widest part of the belt. b (beight) is the tallest part of the belt, NOT including the nominal 2.5mm of the integrally bonded top surface belting. Dimensions are for reference only.

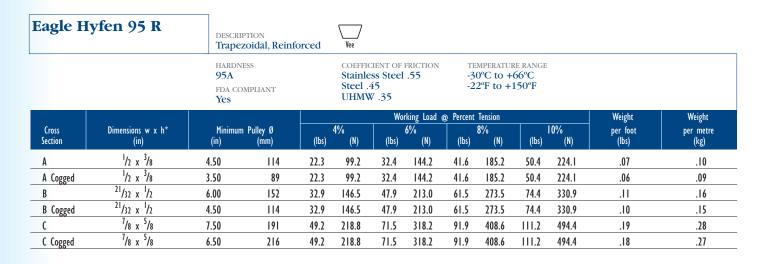
Г

| Drange 85 R       |  |  | orced  | Vee  |   |  |  |  |  |  |   |  |
|-------------------|--|--|--|--|---|--|--|--|--|--|---|--|
|                   | 85A  |  |  | Stainle<br>Steel   | ss Steel<br>60  |  | -3   | $0^{\circ}$ C to +   | 66°C   |  |   |  |
|                   |  |  |  |  | Wo  | rking Load (   | @ Percent  | Tension  |  |  | Weight  | Weight   |
| Dimensions w x h* |  |  |  |  |   |  |  |  |  |  | per foot  | per metre  |
| (mm)              | (in)   | (mm)   | (lbs)  | (N)  | (lbs)   | (N)  | (lbs)  | (N)  | (lbs)  | (N)  | (lbs)   | (kg)   |
| 10 x 6            | 2.38   | 60   | 2.6  | 11.4   | 6.1   | 27.0   | 9.7  | 43.0   | 12.7   | 56.6   | .05   | .07  |
| 13 x 8            | 3.13   | 80   | 4.0  | 17.9   | 9.5   | 42.4   | 15.2   | 67.6   | 20.0   | 89.0   | .07   | .10  |
| 17 x 11           | 4.38   | 110  | 7.0  | 30.9   | 16.5  | 73.3   | 26.2   | 116.7  | 34.5   | 153.7  | .11   | .16  |
| 22 x 14           | 5.50   | 140  | 2.   | 53.8   | 28.7  | 127.7  | 45.7   | 203.3  | 60.2   | 267.8  | 19  | .28  |
|                   | Dimensions w x h*<br>(mm)<br>10 x 6<br>13 x 8<br>17 x 11 | Dimensions w x h*         Minimum<br>(in)           10 x 6         2.38           13 x 8         3.13           17 x 11         4.38 | Dimensions w x h*         Minimum Pulley Ø<br>(in)           Dimensions x x h*         Minimum Pulley Ø<br>(in)           10 x 6         2.38         60           13 x 8         3.13         80           17 x 11         4.38         110 | Dimensions w x h*         Minimum Pulley Ø<br>(in)         ((bs))           10 x 6         2.38         60         2.6           13 x 8         3.13         80         4.0           17 x 11         4.38         110         7.0 | Discription         Trapezoidal, Reinforced         Vee           HARDNESS         COEFFIC         85A         Statility           FDA COMPLIANT         Steel 4         UHMV           Dimensions w x h*         Minimum Pulley Ø         1%           (mm)         (Ibs)         (N)           10 x 6         2.38         60         2.6           13 x 8         3.13         80         4.0         17.9           17 x 11         4.38         110         7.0         30.9 | Description<br>Trapezoidal, Reinforced         Vee           HARDNESS<br>85A<br>FDA COMPLIANT<br>(mm)         COEFFICIENT OF<br>Stainless Steel<br>Steel .60<br>UHMW .45           Dimensions w x h*<br>(mm)         Minimum Pulley Ø<br>(in) (mm)         1%<br>(bs)         Wo           Dimensions w x h*<br>(mm)         Minimum Pulley Ø<br>(in) (mm)         1%<br>(bs)         (lbs)           10 x 6         2.38         60         2.6         11.4         6.1           13 x 8         3.13         80         4.0         17.9         9.5           17 x 11         4.38         110         7.0         30.9         16.5 | Disscription<br>Trapezoidal, Reinforced         Vee           HARDNESS<br>85A<br>FDA COMPLIANT<br>Yes         COEFFICIENT OF FRICTION<br>Stainless Steel .70<br>Steel .60<br>UHMW .45           Dimensions w x h*<br>(mm)         Minimum Pulley Ø<br>(in)         I%<br>(mm)         Vorking Load<br>(b)         Coefficient of FRICTION<br>UHMW .45           Dimensions w x h*<br>(mm)         Minimum Pulley Ø<br>(in)         I%<br>(b)         2%<br>(b)         (b)           10 x 6         2.38         60         2.6         11.4         6.1         27.0           13 x 8         3.13         80         4.0         17.9         9.5         42.4           17 x 11         4.38         110         7.0         30.9         16.5         73.3 | Discription<br>Trapezoidal, Reinforced         Vee           HARDNESS<br>85A<br>FDA COMPLIANT<br>Yes         COEFFICIENT OF FRICTION<br>Stainless Steel .70<br>2         TH<br>-3<br>.5           Dimensions w x h*<br>(mm)         Minimum Pulley Ø<br>(in)         1%         2%         Percent<br>(b)           Dimensions w x h*<br>(mm)         Minimum Pulley Ø<br>(in)         1%         2%         (b)         (b)           10 x 6         2.38         60         2.6         11.4         6.1         27.0         9.7           13 x 8         3.13         80         4.0         17.9         9.5         42.4         15.2           17 x 11         4.38         110         7.0         30.9         16.5         73.3         26.2 | $\frac{DESCRIPTION}{Trapezoidal, Reinforced} Vee \\ HARDNESS \\ 85A \\ FDA COMPLIANT \\ Yes \\ Vee \\ \frac{Minimum Pulley Ø}{(in)} (mm) \\ 10 x 6 \\ 13 x 8 \\ 3.13 \\ 80 \\ 4.0 \\ 17 x 11 \\ 4.38 \\ 110 \\ 7.0 \\ 30.9 \\ 16.5 \\ 73.3 \\ 26.2 \\ 16.5 \\ 73.3 \\ 26.2 \\ 16.5 \\ 73.3 \\ 26.2 \\ 16.7 \\ Vee \\ \frac{Vee}{Vee} \\ \frac{Vee}{V$ | $\frac{DESCRIPTION}{Trapezoidal, Reinforced}  Vee \qquad Vee $ | $\frac{Description}{Trapezoidal, Reinforced} Vee \\ HARDNESS \\ \frac{85A}{FDA COMPLIANT} \\ \frac{Vee}{Ves} \\ \frac{Vee}{Ves} \\ \frac{Vee}{Vee} \\ V$ | $\frac{Description}{Trapezoidal, Reinforced}  Vee \\ \begin{array}{c c c c c c c c c c c c c c c c c c c $ |

| Eagle G          | reen 89 RT           |  | IPTION<br>d, Reinforced,<br>Ired |       | $\bigcirc$ |                 |                 |           |                                  |       |            |                   |                   |
|------------------|----------------------|--|----------------------------------|-------|------------|-----------------|-----------------|-----------|----------------------------------|-------|------------|-------------------|-------------------|
|                  |                      | HARDI<br><b>89A</b><br>FDA CO<br><b>NO</b> | NESS<br>OMPLIANT                 |       |            | ess Steel<br>40 | FRICTION<br>.50 | -3        | mperatur<br>0°C to +<br>2°F to + | 66°C  |            |                   |                   |
|                  |                      |  |                                  |       |            | Wo              | rking Load      | @ Percent | Tension                          |       |            | Weight            | Weight            |
| Cross<br>Section | Dimensions Ø<br>(mm) | Minimui<br>(in)                            | n Pulley Ø<br>(mm)               | (lbs) | 4%<br>(N)  | (lbs)           | 6%<br>(N)       | (lbs)     | 8%<br>(N)                        | (lbs) | 10%<br>(N) | per foot<br>(lbs) | per metre<br>(kg) |
| 5mm              | 5                    | 2.00                                       | 50                               | 1.7   | 7.4        | 5.0             | 22.2            | 10.2      | 45.5                             | 15.8  | 70.I       | .02               | .03               |
| 6mm              | 6                    | 2.38                                       | 60                               | 2.4   | 10.6       | 7.2             | 32.0            | 14.7      | 65.5                             | 22.7  | 101.0      | .025              | .04               |
| 7mm              | 7                    | 2.75                                       | 70                               | 3.3   | 14.5       | 9.8             | 43.5            | 20.0      | 89.I                             | 30.9  | 137.4      | .03               | .05               |
| 8mm              | 8                    | 3.13                                       | 80                               | 4.3   | 18.9       | 12.8            | 56.8            | 26.2      | 116.4                            | 40.4  | 179.5      | .04               | .06               |
| l Omm            | 10                   | 3.94                                       | 100                              | 6.6   | 29.6       | 20.0            | 88.8            | 40.9      | 181.9                            | 63.I  | 280.5      | .06               | .09               |
| l2mm             | 12                   | 4.75                                       | 120                              | 9.6   | 42.6       | 28.8            | 127.9           | 58.9      | 262.0                            | 90.8  | 403.9      | .09               | .13               |
| I5mm             | 15                   | 5.90                                       | 150                              | 15.0  | 66.5       | 44.9            | 199.8           | 92.0      | 409.3                            | 141.9 | 631.1      | .14               | .21               |
| l 8mm            | 18                   | 7.00                                       | 180                              | 21.5  | 95.8       | 64.7            | 287.8           | 132.5     | 589.4                            | 204.3 | 908.8      | .22               | .33               |

| Eagle B          | eige 95 R            |                               | IPTION<br>d, Reinforcec | I     | $\bigcirc$ |                |              |       |                                    |       |           |                   |                   |
|------------------|----------------------|-------------------------------|-------------------------|-------|------------|----------------|--------------|-------|------------------------------------|-------|-----------|-------------------|-------------------|
|                  |                      | HARDN<br>95A<br>FDA CO<br>Yes | NESS<br>OMPLIANT        |       |            | ss Steel<br>45 | FRICTION .55 | -3    | MPERATUR<br>0°C to +0<br>2°F to +1 | 66°C  |           |                   |                   |
|                  |                      |                               |                         |       |            |                | rking Load ( |       |                                    |       |           | Weight            | Weight            |
| Cross<br>Section | Dimensions Ø<br>(mm) | Minimur<br>(in)               | m Pulley Ø<br>(mm)      | (lbs) | 4%<br>(N)  | (lbs)          | 6%<br>(N)    | (lbs) | 8%<br>(N)                          | (lbs) | 0%<br>(N) | per foot<br>(lbs) | per metre<br>(kg) |
| 5mm              | 5                    | 2.38                          | 60                      | 1.5   | 6.7        | 2.7            | 12.2         | 4.1   | 8.1                                | 5.3   | 80.5      | .02               | .03               |
| 8mm              | 8                    | 3.75                          | 96                      | 3.8   | 17.1       | 7.0            | 31.2         | 10.4  | 46.2                               | 13.6  | 205.5     | .04               | .06               |
| 10mm             | 10                   | 4.75                          | 120                     | 6.0   | 26.7       | 11.0           | 48.8         | 16.2  | 72.2                               | 21.2  | 321.1     | .06               | .09               |
| I 5mm            | 15                   | 7.10                          | 180                     | 13.5  | 60.1       | 24.7           | 109.7        | 36.5  | 162.5                              | 47.8  | 722.8     | .14               | .21               |





| Eagle Can Cable |                       |                    | DESCRII<br>Round | PTION<br>I, <b>Reinforced</b>                               |       | $\bigcirc$ |  |                                   |       |  |       |           |  |                             |
|-----------------|-----------------------|--------------------|------------------|---|-------|------------|--|-----------------------------------|-------|--|-------|-----------|--|-----------------------------|
|                 |                       |                    | Polyes           | <sup>MATERIAL</sup><br>Polyester<br>Red: Engineered Polymer |       |            | HARDNESS<br>See Chart<br>FDA COMPLIANT<br>Natural & Green Only |                                   |       | MPERATUI<br>ED ONLY)<br>0°C to +<br>2°F to + | 66°C  |           | TEMPERATURE RAN<br>(ALL OTHERS)<br>-30°C to +80°C<br>-22°F to +176°F |                             |
| Product         | Durometer<br>Hardness | Diameter<br>Ø (in) | Minimum<br>(in)  | Pulley Ø<br>(mm)  | (lbs) | 1%<br>(N)  |  | Working Load @<br>2%<br>(Ibs) (N) |       | Percent Tension<br>3%<br>(Ibs) (N)           |       | 4%<br>(N) | _ Weight<br>per foot<br>(lbs)  | Weight<br>per metre<br>(kg) |
| Red 50D CC LCF  | 50D                   | <sup>3</sup> /8    | 10.00            | 254   | 23.8  | 105.9      | 57.8   | 257.2                             | 104.3 | 463.7  | 152.2 | 677.2     | 0.06   | 0.09                        |
| Blue 55D CC     | 55D                   | <sup>3</sup> /8    | 12.00            | 305   | 18.1  | 80.5       | 42.8   | 190.4                             | 79.4  | 353.2  | 118.4 | 526.6     | 0.06   | 0.09                        |
| Natural 55D CC  | 55D                   | <sup>3</sup> /8    | 12.00            | 305   | 18.1  | 80.5       | 42.8   | 190.4                             | 79.4  | 353.2  | 118.4 | 526.6     | 0.06   | 0.09                        |
| Green 63D CC    | 63D                   | 3/8                | 12.00            | 305   | 18.1  | 80.5       | 42.8   | 190.4                             | 79.4  | 353.2  | 118.4 | 526.6     | 0.06   | 0.09                        |
| Natural 63D CC  | 63D                   | <sup>3</sup> /8    | 12.00            | 305   | 18.1  | 80.5       | 42.8   | 190.4                             | 79.4  | 353.2  | 118.4 | 526.6     | 0.06   | 0.09                        |

For technical assistance and drive design belp, contact Applications Engineering at +44 (0)870 7577007. \* w (width) is the widest part of the belt. b (beight) is the tallest part of the belt, NOT including the nominal 5 mm of the integrally bonded top surface belting. Dimensions are for reference only.

#### **V-Belts**

All polyurethane V-belts in the "classical" profiles, i.e.A, B, C, and D, are designed to fit ISO and DIN 2215 compliant pulleys as per the groove details illustrated in Fig. 1 below.

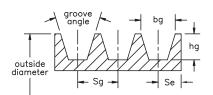
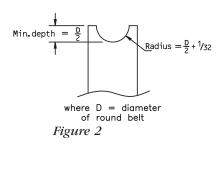


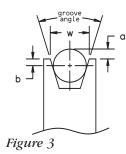
Figure 1

#### Cross Diameter Range Groove Groove Angle bg Sg Se Sp h<sub>g</sub> Min Sg Section Angle Tolerance Toleranc Tolerance Z/10 34° Up thru 80mm ±۱° 9.7 П 12 ±0.3 8 ±0.6 Over 80mm 38° A/13 Up thru 118mm 34° ±۱° 12.7 14 15 ±0.3 10 ±0.6 Over 118mm 38° 34° B/17 Up thru 190mm ±۱° 16.3 18 19 $\pm 0.4$ 12.5 ±0.8 Over 190mm 38° 34° C/22 Up thru 315mm ±۱° 22 24 25.5 ±0.5 17 ±1.0 38° Over 315mm ±30' 36° D/32 Up thru 500mm ±30' 32 37 28 ±0.6 24 ±2.0 Over 500mm 38°

#### **Round Belts**

Round Eagle<sup>®</sup> belting is commonly run in pulleys with a round profile, see Fig. 2. In the absence of round groove pulleys, round belts can also be used in pulleys with vee grooves, Fig. 3.The table below shows the dimensional data when a round belt is used in a V-groove.



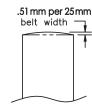


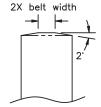
| Pulley | Pulley        | Groove | Round |      | Dimensions |       |
|--------|---------------|--------|-------|------|------------|-------|
| Size   | Diameter      | Angle  | Belt  | w    | a          | b     |
| Z/10   | Up thru 80mm  | 34°    | 7     | 9.7  | -0.39      | 3.89  |
|        |               |        | 8     | 9.7  | 1.82       | 2.18  |
|        |               |        | 9.5   | 9.7  | 5.14       | -0.39 |
| Z/10   | Over 80mm     | 38°    | 7     | 9.7  | 0.17       | 3.34  |
|        |               |        | 8     | 9.7  | 2.19       | 1.81  |
|        |               |        | 9.5   | 9.7  | 5.25       | -0.50 |
| A/13   | Up thru 118mm | 34°    | 9.5   | 12.7 | 0.23       | 4.52  |
|        |               |        | 10    | 12.7 | 1.33       | 3.67  |
|        |               |        | 12    | 12.7 | 5.75       | 0.25  |
| A/13   | Over 118mm    | 38°    | 9.5   | 12.7 | 0.90       | 3.85  |
|        |               |        | 10    | 12.7 | 1.91       | 3.09  |
|        |               |        | 12    | 12.7 | 5.98       | 0.02  |
| B/17   | Up thru 190mm | 34°    | 12    | 16.3 | -0.14      | 6.14  |
|        |               |        | 15    | 16.3 | 6.50       | 1.00  |
|        |               |        | 16    | 16.3 | 8.71       | -0.71 |
| B/17   | Over 190mm    | 38°    | 12    | 16.3 | 0.76       | 5.24  |
|        |               |        | 15    | 16.3 | 6.87       | 0.63  |
|        |               |        | 16    | 16.3 | 8.90       | -0.90 |
| C/22   | Up thru 315mm | 34°    | 20    | 22   | 8.22       | 1.78  |
| C/22   | Over 315mm    | 38°    | 20    | 22   | 9.00       | 1.23  |
|        |               |        |       |      |            |       |

Note: above dimensions are belt fit in groove under no tension. Dimensions are in millimetres.

#### **Flat Belts**

All flat belts have a natural tendency to move laterally. Therefore a flat or straight pulley is not recommended, as the belt would walk off the pulley. To keep the belt in the centre of the pulley it must have a crown. Fig. 4 illustrates a round crown and is the preferred method. A modified round crown as illustrated in Fig. 5 is also acceptable. A flat pulley with guide flanges (Fig. 6) is not recommended. Even with the guide flanges the belt will move laterally and potentially could climb up onto them.







RECOMMENDED Figure 4

ACCEPTABLE *Figure 5*  NOT SUITABLE *Figure 6* 

#### **Belt Installation Tension**

When non-reinforced Eagle<sup>®</sup> Belting is stretched and released, elasticity is the characteristic that brings the material back to its original shape. This "memory" is what gives our non-reinforced belting its self-tensioning properties.

When a non-reinforced belt is first installed (stretched) the material does not return to 100% of its original length and, in fact, continues to lose elasticity over its life span. This loss in elasticity causes what is commonly called tension decay.

To overcome the initial and continued stretching, a non-reinforced belt will require what is referred to as "installed" tension. Installation tensions in the 6% to 10% range will normally be sufficient for most applications. If higher tensions are required, the application may exceed the belt's load capacity. For reference, below are installed tensions:

All Eagle Non-Reinforced Belting: 8 – 10% Quick-Connect Belting: 6 – 8%

All Eagle Reinforced Belts contain a reinforcing polyester tensile member, which increases the modulus elasticity of the material and reduces the "stretch" of a non-reinforced belt. Since an endless reinforced belt is essentially a fixed length, the eventual small amount of elongation from tension decay can be dealt with by mechanical take-up devices. This device should accommodate at least 4% of the belt's length to overcome tension decay.

#### **Belt Installation Length**

The belt tension length, or "cut length," can be determined from the measured belt length or calculated belt length. The measured length can be obtained by taking a measuring tape and following the path of the belt around all of the pulleys, or through computer aided design (CAD) techniques. The calculated length can be obtained from the following formula. Note: this formula applies to two-pulley drives only.

| $L = 2C + 1.57 (D + d) + (D - d)^{2}$ | where: L = Installation length                                |
|---------------------------------------|---|
| 4C                                    | C = centre of pulley shaft to centre of pulley shaft distance |
|                                       | D = pitch diameter of large pulley                            |
|                                       | d = pitch diameter of small pulley                            |

For non-reinforced belting, the cut length is determined by using the measured or calculated (reference) belt length times the percent of required installation tension (6 to 10%).

Cut length = reference length x % tension Example:  $1120 \text{ mm} \times 8\%$  tension =  $1120 \times .92$ = 1030.4 mm

For reinforced belting, the cut length is the measured or calculated length plus 38mm (11/2").

#### **Temperature**

The temperature range of Eagle Belting is determined by the thermoplastic resin. Like all thermoplastic resins, its physical properties are reduced at higher temperatures. The material softens, loses strength and elongates excessively to the point of premature failure. Temperature ranges are listed under each individual belt type in the Technical Data section.

#### **Minimum Pulley Diameter**

Non-reinforced belts can operate on smaller diameter pulleys than belts with a reinforcing tensile member. Reinforced belts require a larger pulley diameter to prevent premature flex fatigue failure of the polyester tensile member. The most common serious mistake in designing belt drives is the selection of a pulley diameter that is too small. Listed under each individual belt type is the recommended minimum pulley diameter. Smaller diameters can be used only if a reduction in belt service life is acceptable.

#### **Belt Profile Tolerance**

#### **Round Belts:**

| Up to and including 5mm (3/16") diameter:   | ± .127mm (0.005") |
|---|-------------------|
| Over $5 \text{ mm} (3/16")$ up to and including $6.3 \text{ mm} (1/4")$ diameter: | ± .178mm (0.007") |
| Over $6.3$ mm (1/4") up to and including 14 mm (9/16") diameter:                  | ± .254mm (0.010") |
| Over 14mm (9/16") in diameter:  | ± .305mm (0.012") |

#### Flat and V-Belts:

All profiles: ± .381mm (0.015")

If a tighter tolerance is required, consult Fenner Drives application engineering group with your requirements.

- 1. Refer to the Technical Data chart for the belt material and cross section selected.
- 2. Use the following formula that meets your application requirements (Note: if belt supported by rollers use .17 for  $\mu$ ): a.Horizontal Transport with Slider Bed  $T_e = W_t \times \mu + B_{wt}$ c. Incline or Decline Transport with Slider Bed  $T_e = W_t \times (H_t + \mu \times \sqrt{C^2 + H_t^2}) + B_{wt}$

|  | <u> </u>  |
|--|---|
| b. Horizontal Transport with Slider Bed<br>and Product Accumulation<br>$T_e = W_t \times \mu + B_{wt} + A_{wt}$                                | d. Incline or Decline Transport with Slider Bed<br>and Product Accumulation<br>$T_e = \frac{W_t}{C} \times (H_t + \mu \times \sqrt{C^2 + H_t^2}) + B_{wt} + A_{wt}$   |
| Where: $T_e$ = Effective Tension<br>$W_t$ = Total Weight on Conveyor<br>C = Conveyor Centre Distance<br>$B_{wt}$ = Belt weight/unit length × C | <ul> <li>A<sub>wt</sub> = Accumulating weight × μ<br/>(where μ is the COF between belt and product)</li> <li>H<sub>t</sub> = Incline or decline height<br/>μ = COF on slider bed material from chart</li> </ul> |
| 3. Determine Tight Tension (T <sub>1</sub> ).<br>Flat and round belts $-T_1 = T_e \times 2$  | V-belts — $T_1 = T_e \times 1.25$   |

- 4. Refer to the Technical Data chart for the material and cross section selected and compare  $T_1$  to the Working Load at 10% tension. If only one belt is desired,  $T_1$  may not be greater than the Working Load at 10% tension. If more than one belt is required, divide  $T_1$  by the Working Load at 10% tension to arrive at number of belts. Round up to the nearest whole number of belts.
- 5. Find load per belt by dividing  $T_1$  by number of belts. From the Technical Data chart, determine the percent installed tension for the load per belt.
- 6. Belt cut length (mm) = measured or calculated belt length (mm)  $\times$  (1 corresponding % tension).

#### Engineering Data — Selection Example

Type of belt being considered = Eagle Orange 85A in 6mm roundHead-to-tail centre distance (C) = 3 MetresTotal weight on belt(s) = 6 kgIncline or decline = noneType of belt support = UHMW slider bedProduct accumulation on belt(s)? = noType of belt support = UHMW slider bed

1. Refer to the Technical Data chart for the belt material and cross section selected.

| Eagle<br>Eagle   | Orange 85<br>Clear 85 | Rou | RIPTION<br>nd,<br>•Reinforced |                  | HARDNESS<br>85A<br>FDA COMPLIA<br>Yes | ANT      |     |                        |          |                      | -30°  | PERATURI<br>PC to +6<br>PF to +1 | 66°C |                             |                             |
|------------------|-----------------------|-----|-------------------------------|------------------|---------------------------------------|----------|-----|------------------------|----------|----------------------|-------|----------------------------------|------|-----------------------------|-----------------------------|
| Cross<br>Section | Dimensions Ø<br>(in)  | mm) | Minimum<br>(in)               | Pulley Ø<br>(mm) | 4<br>(lbs)                            | %<br>(N) |     | king Load<br>5%<br>(N) | <u> </u> | Tension<br>8%<br>(N) | (lbs) | 10%<br>(N)                       |      | Weight<br>per foot<br>(lbs) | Weight<br>per metre<br>(kg) |
| 6mm              |                       | 6   | 1.88                          | 48               | 1.7                                   | 7.6      | 2.6 | 11.6                   | 3.5      | 15.6                 | 4.3   | 19.1                             |      | .025                        | .017                        |
| <sup>1</sup> /4" | I/4                   |     | 2.00                          | 51               | 1.9                                   | 8.5      | 2.9 | 12.9                   | 3.9      | 17.3                 | 4.8   | 21.4                             |      | .03                         | .020                        |

- 2. Horizontal Transport with Slider Bed. Since the belt will run in UHMW slider bed the COF( $\mu$ ) of .45 is used from Technical Data chart. From the chart the belt weight is .02 kgs/M giving a total belt weight of .06 kg (.02 × 3). T<sub>e</sub> = 6 kg × .45 + .06 = 2.76 kg
- 3. Determine Tight Tension (T<sub>1</sub>).

round belts  $T_1 = 2.76 \times 2 = 5.52 \text{ kg} = 54.1 \text{ Newtons} (5.52 \times 9.81)$ 

4. Refer to the Technical Data chart for the material and cross section selected and compare  $T_1$  to the Working Load at 10% tension. If only one belt is desired,  $T_1$  may not be greater than the Working Load at 10% tension. If more than one belt is required, divide  $T_1$  by the Working Load at 10% tension to arrive at number of belts. Round up to the nearest whole number of belts.

6mm round rated 19.1 kg @ 10% tension. 54.1 ÷ 19.1 = 2.84 — round up to 3 belts

5. Find load per belt by dividing  $T_1$  by number of belts. From the Technical Data chart, determine the percent installed tension for the load per belt. Load/belt = 54.1 N ÷ 3 = 18.0 Newtons

corresponding installed tension = 9.4%

Polyurethane is extremely resistant to many industrial oils and chemicals, but not all. Below are a wide variety of oils and chemicals found in industrial applications. Consult Fenner Drives application engineering group for assistance on projects with design criteria outside these parametres, or obtain a sample belt and determine its compatibility in the precise operating conditions.

| Acids                      | Rating | Fuels                        | Rating | Solvents                    | Rating |
|----------------------------|--------|------------------------------|--------|-----------------------------|--------|
| Acetic, 5%                 | Ċ      | ASTM Fuel A                  | Ā      | Acetone                     | Ċ      |
| Boric, 4%                  | С      | ASTM Fuel B                  | С      | Aniline                     | С      |
| Chromic                    | С      | ASTM Fuel C                  | С      | Benzene                     | С      |
| Citronic                   | С      | Diesel Fuel                  | В      | Benzyl Alcohol              | С      |
| Formic                     | С      | Gasoline, Premimum           | С      | Butane                      | С      |
| HCI                        | В      | Gasohol (10-15% Methanol)    | С      | Butyl Acetate               | С      |
| Hydrochloric, 10%          | С      | Jet Fuel, JP-4               | А      | Butyl Alcohol               | С      |
| Lactic                     | С      | Kerosene                     | А      | Carbon Tetrachloride        | С      |
| Nitric, >1%                | C      |                              |        | Chlorobenzane               | C      |
| Oleic                      | С      | Oils                         | Rating | Chloroform                  | С      |
| Phosphoric                 | C      | ASTM Oil #1                  | A      | Cyclohexane                 | C      |
| Sulfuric, <20%             | B      | ASTM Oil #2                  | A      | Ethanol                     | C      |
| Sulfuric, >20%             | C      | ASTM Oil #3                  | A      | Ether                       | C      |
| Sunano, • 2070             | U      | Brake Fluid (ATE or ATS)     | С      | Ethyl Acetate               | C      |
|                            |        | Gear Box Oil (SAE 90)        | A      | Freon 11, 12, 22            | C      |
| Alkalines                  | Rating | Hydraulic Fluid              | C      | Freon 113                   | A      |
| Ammonia, >10%              | C      | Hydraulic/Water Emulsion     | C      | Glycerine, Glycerol, Glycol | A      |
| Detergent, 1%              | A      | Mineral Oil                  | A      | Heptane                     | B      |
| Potassium Hydroxide        | B      | Motor Oil                    | A      | Hexane                      | Б<br>С |
|                            | A      | Parafin Oil                  | A      |                             | C      |
| Soap, 1%                   | A<br>C |                              |        | Isopropyl Alcohol           |        |
| Sodium Hydroxide, 10%      | C      | Petroleum (Texas Sour Crude) |        | Methanol<br>Mathad Asstate  | С      |
|                            |        | Power Stering Fluid          | В      | Methyl Acetate              | С      |
|                            | 5.4    | Skydrol 500 Oil              | С      | Methyl Ethyl Ketone         | С      |
| Aqueous Solutions          | Rating | Transmission Oil A           | А      | Methyl Glycol               | С      |
| Aluminum Chloride, 10%     | С      |                              | _      | Methylene Chloride          | С      |
| Ammonium Chloride, 10%     | С      | Greases                      | Rating | N-Methyl Pyrroidone         | С      |
| Bleaching Agent, 40%       | В      | Calcium Grease               | В      | Perchloroethylene           | С      |
| Bleaching Agent, 100%      | С      | Sodium Grease                | В      | Pyridine                    | С      |
| Calcium Chloride, 40%      | С      | Teflon Grease                | А      | Turpentine                  | A      |
| Caustic Soda, 10%          | В      |                              |        | Tetrachloroethylene         | С      |
| Cola                       | А      |                              |        | Tetrahydrofuran             | С      |
| Ferric Chloride, 10%       | С      | Miscellaneous                | Rating | Toluene                     | С      |
| Hydrogen Peroxide, 3%      | В      | Dioctyl Phthalate (DOP)      | А      | Trichloroethylene           | С      |
| Isopropanol, 50%           | С      | Ethylene Chloride            | С      | Xylene                      | С      |
| Magnesium Chloride, 30%    | С      | Ethylene Dichloride          | С      |                             |        |
| Potassium Chloride, 40%    | С      | Eythlene GlycoWater 50/50    | С      |                             |        |
| Potassium Dichromate, 10%  | С      | Household Cleaner            | В      |                             |        |
| Potassium Permanganate, 5% | С      | Naptha                       | А      |                             |        |
| Sea Water                  | В      | Silage (Silo) Juice          | С      |                             |        |
| Sodium Bisulfate, 10%      | С      | Natural Perspiration         | В      |                             |        |
| Sodium Chloride, 10%       | C      | Tincture of Iodine           | C      |                             |        |
| Sodium Hypochlorite, 5%    | C      | Tricresyl Phosphate          | C      |                             |        |
| Sodium Thiosulfate, 20%    | A      |                              | -      |                             |        |
| Water, Deionized           | A      |                              |        |                             |        |
|                            |        |                              |        | Rating Key                  |        |

A - Fluid has little or no effect

**B** - Fluid has minor to moderate effect

C - Fluid has severe effect

### Are all of the Eagle<sup>®</sup> Belting products FDA compliant?

Eagle® Opaque 80, Ivory 85, Green 89, Red 90, Blue 55D, and Eagle Red and Blue Can Cable are not. Standard Eagle Red 85 CXF and Eagle Hyfen CXF and CXR are not; consult factory for availability of compliant materials. All of the other belts are manufactured from FDA compliant materials.

#### I have an application involving 93°C/200°F temperature. Can I use your polyurethane belting?

Our Eagle polyurethane products are usually limited to 66°C/150°F (see product info for details). At higher temperatures the polyurethane softens and loses strength, resulting in excessive stretch. However, Fenner Drives' PowerTwist Plus<sup>®</sup> should be considered as an option.

#### My application involves washdown. What effect will it have on the belt?

Polyurethane is resistant to water and many industrial chemicals, but not resistant to all. Consult the chemical resistance chart in this catalogue or contact Fenner Drives application engineering group with the contaminants present and we will make a recommendation.

## *The standard profiles shown do not appear to suit my needs. Do you make special profiles?*

Yes! At Fenner Drives, we welcome the opportunity. Contact Fenner Drives application engineering group for assistance.

For any questions about our extensive line of products, just call +44 (0)870 7577007 and your Inside Sales Specialist will help you.

#### Are the Polyurethane and Polyester belting products RoHS compliant?

Yes. All of the Eagle Polyurethane and Polyester Belting products are RoHS compliant.

#### I plan on using a "B/17" section polyurethane belt. Will your belt fit pulleys that I can buy from numerous power transmission distributors?

Yes. All of our "classical" polyurethane belts, i.e. A/13, B/17, C/22 and D/32, are designed to fit BS/DIN/ISO compliant pulleys.

### *Why can't I butt weld your reinforced polyurethane belting?*

You can, but in most applications it is not recommended. To receive the full load carrying capacity of the belt, an overlap weld is recommended.

#### Do I need some take-up adjustment when using your polyurethane belts?

When using non-reinforced polyurethane belting, take-up is not required. However, all reinforced type belting does require take-up. One good option is our T-Max<sup>™</sup> Rotary Belt Tensioners with a PowerMax<sup>™</sup> Idler Pulley.

#### On my conveying application, the product being moved could occasionally accumulate. What belt do you recommend for this?

Our Eagle Green 89 with its textured surface provides a lower coefficient of friction, ideal for applications where product accumulation can occur.

### **Count on Fenner Drives.** We've got the right product for your application.







SUPER TLINK







Power Mex



**Trantorque**<sup>®</sup> Keyless Bushings

Trackster

Fenner Drives is a proven leader in the design and manufacture of problem-solving power transmission and motion transfer components. Recognized widely for our expertise and innovation in manufacturing technology, we consistently blend reliability, quality and value in our products. Our ISO 9001:2000 certified production facilities are located in Leeds, UK; Manheim, PA and Wilmington, NC. As part of our commitment to provide unsurpassed technical support and service, we maintain extensive engineering, development and testing facilities.

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