JUNE
2014

Fenner Drives®

EAGLE®

POLYURETHANE BELTING & O-RINGS

EAGLE®

POLYURETHANE BELTING & O-RINGS

The possibilities are endless with Eagle Polyurethane & 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.

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Eagle® FDA Compliant Polyurethane Belting

Over 400 of our Eagle Belting products are FDA compliant. Choose from a broad range of durometers, colours and profiles for the right product for your application. FDA compliancy is dependent upon these three primary principles:

Materials
Only supplier certified FDA compliant materials per regulations CFR 21 177.1680, CFR 21 177.2600 and CFR 21 178.3297 are used to manufacture Fenner Drives FDA compliant Eagle Belting.

Good Manufacturing Processes (GMP)
Fenner Drives FDA compliant Eagle Belting is manufactured in accordance to CFR 21 110. The products are comprised of raw materials that are traceable by lot number and are manufactured via controlled processes to eliminate contamination from handling and environmental conditions.

Testing
Fenner Drives FDA compliant Eagle Belting is independently tested and verified to meet FDA standards for direct food contact per regulations CFR 21 177.1680 and CFR 21 177.2600

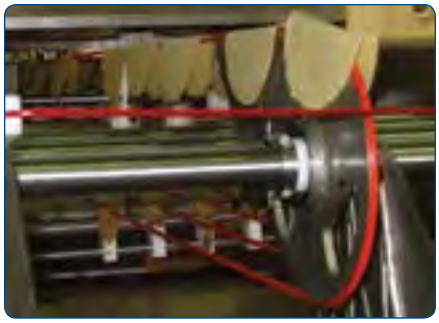
Look for a ‡ by the product name in the Product Range Chart (pg. 46-47) to designate FDA compliancy. Need help choosing the right Eagle product? Our Application Engineers are here to help!

Eagle® Blue 80 MD: Metal Detectable Polyurethane Belting

- Developed specifically for food processing.
- Independently tested and verified to meet FDA standards for direct food contact.
- Designed to be detected by standard metal detectors utilized to ensure food safety.
- Available in Round and V- profiles.

Eagle® EC Belting: Premium Belting for Direct Food Contact

- Independently tested and verified to meet the requirements of European Regulation 10/2011 (and the legislation which it replaces; Commission Directive 2002/72/EC) within the framework defined by the Regulation 1935/2004/EC (27/10/2004) relating to plastic materials and articles intended to come into direct contact with foodstuffs.
- Suitable for repeat use food contact at temperatures up to 40ºC (104°F) over a period of up to one hour with all food types having a pH of greater than 4.5.
- When used in a range of "typical" process environments, Eagle EC belting will not transfer its components into food in quantities that could endanger human health, change the composition of the food in an unacceptable way or deteriorate the taste and smell of foodstuffs.
- Available in Blue 80 EC and Clear 80 EC in Round, V- or T-Top profiles, and Blue 80 EC Quick-Connect.



Non-Reinforced Polyurethane Belting

Eagle Blue 80 EC
Eagle Clear 80 EC
Eagle Blue 80 MD
Eagle Brown 80
Eagle Opaque 80
Eagle Blue 85
Eagle Clear 85
Eagle Ivory 85
Eagle Orange 85
Eagle Red 85
Eagle Green 89
Eagle Green 89 T
Eagle Red 90
Eagle Beige 95
Eagle Clear 95

Eagle® Non-Reinforced Polyurethane Belting — the proven workhorses for material transfer and light-duty power transmission applications.

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

Non-Reinforced Quick-Connect Belting

Eagle Blue 80 EC QC
Eagle Blue 85 QC
Eagle Clear 85 QC
Eagle Red 85 QC
Eagle Yellow 85 QC
Eagle Clear 85 TOR

Eagle® 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) are an ideal fast fit solution for live roller conveyors
- Twisted loop construction packaged with metal hooks. Plastic hooks also available.
- Quick-Connect (QC) round hollow construction packaged with metal connectors
- No need to dismantle drive components
- Custom colours and durometers available to order

Factory Welded Endless Belts

Eagle Endless O-Rings and Fabricated Belts

Eagle® 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 except Can Cable
- O-Rings for line shaft, live roller and motion transfer conveyors
- High coefficient of friction
- Elastic with excellent memory
- Popular 1/8", 3/16", 1/4", 5mm and 6mm sizes in stock
- Additional sizes, colours and durometers are made to order
- Rapid order turnaround for all specials

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® 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
- 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 Belt & Chain Tensioner®

Polyester Belting

Eagle White 40D
Eagle Blue 55D

Eagle® Polyester Belting — a low-stretch, hard-wearing option. Ideal for conveying heavy or abrasive materials over short or long 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
- Not self-tensioning — take up the slack with a Fenner Drives T-Max Belt & Chain Tensioner®

Reinforced Can Cable

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

Eagle® 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
- Blue 55D Aramid is 100% polyester with high strength Aramid cord reinforcement
- High performance, low cost alternative to steel cables
- Fast installation — a zero downtime product
- Easily welded endless on site with Fenner Drives Overlap Welding Kit
- Eagle Red 50D has a lower coefficient of friction (LCF)
- Popular 3/8" (9.5mm) diameter cable always in stock
- Other sizes and colours made to order

Co-Extruded Polyurethane Belting

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

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

- Non-reinforced and reinforced versions
- Ultra-grip co-extruded 60A top surface
- Tough 85A base
- Flat (CXF) and ribbed (CXR) top surfaces available
- V- and Twin V- profiles
- Integrally bonded top cannot delaminate
- Outperforms all adhesive–bonded special surface belts
- Reinforced belting is not self-tensioning — use a T-Max Belt & Chain Tensioner® from Fenner Drives

SuperGrip Top Belting

A variety of colours, durometers, and top surfaces are available.

Eagle® SuperGrip Top (SGT) Belting — incorporating high grip, low wear top surfaces. Ideally suited for ceramic, wood processing and corrugated conveying applications.

- Polyurethane 85A, 89A, and 90A base durometers
- Polyester 40D base durometer
- Non-reinforced (SGT) and reinforced (RSGT) versions
- PVC SuperGrip Top for high grip — non-abrasive materials
- Polyurethane (PU) SuperGrip Top for heavier duty — highly abrasive materials
- Proprietary Thermoplastic Elastomer (TPE) SuperGrip Top with almost identical grip of PVC and wear of polyurethane
- Integrally bonded top cannot delaminate
- Custom base and top surfaces available on request

Special Profiles & Durometers

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

Eagle® 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
- Special grip top surfaces for a variety of direct conveying applications
- Larger surface areas to lower unit pressure on heavy or sensitive product surfaces

EAGLE FREESTYLE® BY FENNER DRIVES

Cordless belt welding in the palm of your hand!

- Quick, effective welds for Eagle Non-Reinforced polyurethane belting
- Weld anywhere, any time – no plug required during welding
- Four specialty rechargeable batteries and charger included with kit – two to use, and two to spare

Patent No. 7,730,921 B2

Kit Includes:
Welder
Flat Plate Adapters
Professional Battery Charger
(4) D Cell NiMH Batteries
Blade Release Tape
Cutting Shears
Flash Cutters
Tool Bag

See the video demonstration at www.youtube.com/FennerDrives Scan or click the code below!

BUTT WELDING

- Fast, economical way to join all Eagle Non-Reinforced and some Reinforced polyurethane belting
- Unique, reliable, easy-to-use clamping tool ensures proper belt-end alignment
- 75mm (3") hot knife available for larger profiles
- Available in 115 V or 240 V kits

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

Mini Clamp

OVERLAP WELDING

- Specifically designed to weld your Eagle Reinforced polyurethane and Can Cable belting
- Strongest weld you can make in the field, yet still flexible
- Proper weld delivers 100% of belts' maximum working load
- Smooth surfaces will not damage transferred product
- Available in 115 V or 240 V kits

Kit Includes:
Welder
Control Box
Set of Dies
Flash Cutters
Cutting Shears
Carrying Case

Flash Cutters & Cutting Shears

Product Applications

Eagle® Belting provides solutions for all sorts of applications in virtually every industry. For inspiration on how we can solve your application problem, here'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 Hyfen on a tray conveyor system, such as found in cafeterias, hospitals, etc.; chosen for its high strength, low stretch characteristics on long centre distances.*
3. *Wood panels being moved by Eagle Opaque 80; chosen for its non-marking characteristics.*
4. *Eagle Green 89 T, with its excellent abrasion resistance, is a great choice for conveying egg cartons.*
5. *Eagle Blue 80 EC, approved for direct food contact, used on tomato packaging line.*

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® on conveying system. Lower durometer top surface increases coefficient of friction for excellent grip to convey or move products.*

Product Applications

1. *Eagle® EC Blue 80 is certified for repeat use food contact, perfect for this pizza conveyor.*
2. *Non-marking Eagle Ivory SGT with a polyurethane top surface carries ceramic tiles up an incline for further processing.*
3. *Eagle Natural Can Cable transports soft drink cans in the manufacturing and filling process, providing a low cost alternative to steel cables.*
4. *A light bulb conveyor uses Eagle Orange 85 5/16" round to safely move light bulbs.*
5. *Eagle Orange 85 on egg conveyor.*
6. *This hot dog conveying machine is fitted with Eagle Orange 85 Flat. In one section of the process, the belt flexes into a vee-shape to guide product consistently.*

Part Number Listing

Round Profiles – Non-Reinforced

	Eagle Blue 80 EC	Eagle Clear 80 EC	Eagle Blue 80 MD	Eagle Brown 80	Eagle Opaque 80	Eagle Blue 85	Eagle Clear 85	Eagle Orange 85	Eagle Red 85
3/32"							4908003	1032003	
1/8"							4908006	1032004	
3/16"			4941100				4908009	1032006	
1/4"			4941101		4940003		4908012	1032008	
5/16"			4941102				4908015	1032010	
3/8"			4941103		4940005		4908018	1032012	
1/2"			4941105		4940011		4908024	1032016	
9/16"			4941106				4908027	1032018	
5/8"			4941107				4908030	1032020	
3/4"							4908033	1032024	
2mm	4928000	4927000		L04BR802M	L04OP802M		L04C852M	L04OG852M	
3mm	4928001	4927001		L04BR803M	L04OP803M	L04BL853M	L04C853M	L04OG853M	L04R853M
4mm	4928002	4927002		L04BR804	L04OP804	L04BL854	L04C854	L04OG854	L04R8504
5mm	4928003	4927003		L04BR805M	L04OP805M	L04BL855M	L04C855M	4940100	L04R855
6mm	4928004	4927004			L04OP806M	L04BL856M	L04C856M	L04OG856M	
6.3mm	4928005	4927005		L04BR806.3		L04BL856.3			L04R856.3
7mm					L04OP807M		L04C857M	L04OG857M	
8mm	4928006	4927006		L04BR808	L04OP808M	L04BL858M	L04C858	L04OG858M	L04R858
9.5mm	4928007	4927007		L04BR809.5M		L04BL859.5M			L04R859.5
10mm	4928008	4927008			L04OP8010M	L04BL8510M	L04C8510M	L04OG8510M	
12mm							L04C8512M	L04OG8512M	
12.7mm				L04BR80127		L04BL8512.7			L04R8512.7
15mm				L04BR8015M	L04OP8015M	L04BL8515			L04R8515
18mm				L04BR8018M	4940013				

	Eagle Green 89	Eagle Green 89 T	Eagle Red 90	Eagle Beige 95	Eagle Clear 95	Eagle White 40D	Eagle Blue 55D
3/32"					4907003		
1/8"					4907006		
3/16"			4940022		4907009		
1/4"			4940023		4907012		
5/16"					4907015		
3/8"			4940025		4907018		
1/2"			4940026		4907024		
9/16"			4940036		4907027		
5/8"					4907030		
3/4"					4907033		
2mm	4905402	4905302	4940017				
3mm	L04G893MS	4905303	4940020			L04BY403M	
4mm	4905404	4905304	4940021			L04BY404	
5mm	4905405	4905305	L04R9005M	L04BE955M		L04BY405M	
6mm	4905406	4905306				L04BY406M	
6.3mm	L04896.3MS						
7mm	4999637	4905307	L04R907				
8mm	L04G898MS	4905308	4940024	L04BE958		L04BY408	
9mm	L04G899MS	L04G899					
9.5mm	L04G899.5MS						
10mm	L04G8910MS	4905310	L04R9010M	L04BE9510M		L04BY4010M	L04BY5510M
12mm	L04G8912MS	4905312	L04R9012M			L04BY4012	
15mm	L04G8915MS	4905315	4999315	L04BE9515M		L04BY4015	L04BY5515
18mm	L04G8918MS	4940091				L04BY4018	L04BY5518
20mm	L04G8920MS	4940092				L04BY4020	

All belting sold in 100'/30.5m lengths, except Can Cable (sold in 500' lengths).
May be subject to minimum order. Consult factory for availability. Dimensions are for reference only.
For technical assistance and drive design help, contact Applications Engineering at 800-243-3374 or ae@fennerdrives.com.

Part Number Listing

V Profiles – Non-Reinforced

	Eagle Blue 80 EC	Eagle Clear 80 EC	Eagle Blue 80 MD	Eagle Brown 80	Eagle Opaque 80	Eagle Blue 85	Eagle Clear 85	Eagle Ivory 85	Eagle Orange 85	Eagle Red 85
6mm × 4mm	4928009	4927009			L04OP806X4	L04BL850604	L04C850604			
8mm × 5mm	4928010	4927010		L04BR8058	4940006	L04BL8585M				L04R8585M
10mm × 4mm T-Top	4928011	4927011								
3L					4940007	L04BL853L	4912063		1032030	
3L T-Top							4912064		1032031	
3L Crown-Top									1032032	
3L Twin							4912065		1032033	
Z/10	4928012	4927012		L04BR80Z	4940008	L04BL85Z	4940118	L04I85Z	4940114	L04R85Z
A/13	4928013	4927013	4941108	L04BR80A	4940009	L04BL85A	4912066	L04I85A	1032038	L04R85A
A/13 Lo-Ridge-Top							4912067		1032039	
A/13 Ridge-Top							L04C85AXH		L04OG85AXH	
A/13 Hi-Ridge-Top							4911102		1032040	
A Twin							4912068		1032041	
AA							4912062		1232550	
B/17	4928014	4927014	4941109	L04BR80B	4940010	L04BL85B	4912069	L04I85B	1032047	L04R85B
B/17 Ridge-Top					4940097					
B/17 Ribbed									1032046	
B/17 Wing-Top									1032048	
BB							4912070		1232600	
C/22					4940015	L04BL85C	4912072	L04I85C	1032072	
C/22 Ridge-Top 24.5mm					4999557					
C/22 Ridge-Top 28.5mm					4940099					
C/22 Ribbed									1032054	
D/32 Ribbed							4908077		1032062	
E/42 Ribbed									1032070	

	Eagle Green 89	Eagle Red 90	Eagle Beige 95	Eagle Clear 95	Eagle White 40D	Eagle Blue 55D
8mm × 5mm		4940027			L04BY400805	
3L				4911063		
3L T-Top				4911064		
3L Twin				4911065		
Z/10	L04G89Z	4940028			L04BY40Z	L04BY55Z
A/13	L04G89A	4940029	L04BE95A	4911066	L04BY40A	L04BY55A
A/13 Lo-Ridge-Top				4911067		
A/13 Ridge-Top	L04G89AX					
A/13 Hi-Ridge-Top				4911101		
A Twin				4911068		
AA				4911062		
B/17	L04G89B	4940030	L04BE95B	4911069	L04BY40B	L04BY55B
B/17 Ridge-Top	L04G89BX					
B/17 Steeple-Top	4940250					
BB				4911070		
C/22	L04G89C	4999306	L04BE95C	4911072	L04BY40C	L04BY55C
C/22 Ridge-Top 24.5mm	4999514					
C/22 Ridge-Top 28.5mm	L04G89CX					
C/22 Steeple-Top	4940251					
D/32 Ribbed				4911077		

Part Number Listing

Flat Profiles

	Eagle Orange 85
.055" × .375"	1032121
.062" × .5"	1032126
.062" × .75" w/ .156" radius guide	1032210
.062" × 1.5"	1032148
.062" × 1.75"	1032155
.062" × 2"	1032160
.062" × 3"	1032170
.125" × .625"	1032133
.125" × 1"	1032143
.250" × .625"	1032134
.078" × .75"	1032136
.090" × 1"	1032142
.090" × 1.25"	1032146
.090" × 1.5"	1032151
.090" × 2"	1032163

SGT V Profiles – Non-Reinforced

	Eagle Ivory 85 SGT PU	Eagle Ivory 85 SGT PVC	Eagle Ivory 85 SGT TPE	Eagle Green 89 SGT PVC	Eagle Red 90 SGT PVC	Eagle White 40D SGT PVC
A/13	493030030M	L04I85ASG	493120030M	L04G89ASG	L04R90ASG	L04BY40ASG
B/17	493040030M	L04I85BSG	493130030M	L04G89BSG	L04R90BSG	L04BY40BSG
C/22	493050030M	L04I85CSG	493140030M	L04G89CSG	L04R90CSG	L04BY40CSG

Co-Extruded V Profiles – Non-Reinforced

	Eagle Red 85 CXF
A/13	4924320
B/17	4924330
C/22	4924345

Twisted O-Rings

	Eagle Clear 85
3/16" × 6"	5050003
3/16" × 10"	5050011
3/16" × 10-1/2"	5050015
3/16" × 11"	5050012
3/16" × 11-1/2"	5050911
3/16" × 12"	5050016
3/16" × 12-1/2"	5050005
3/16" × 12-3/4"	5050002
3/16" × 12-7/8"	5050006
3/16" × 13"	5050007
3/16" × 13-1/4"	5050017
3/16" × 13-1/2"	5050009
3/16" × 13-3/4"	5050014
3/16" × 14"	5050008
3/16" × 14-1/2"	5050010

50 pieces per box, packaged with hooks.

Quick-Connect Profiles

	Eagle Blue 80 EC QC	Eagle Blue 85 QC	Eagle Clear 85 QC	Eagle Red 85 QC	Eagle Yellow 85 QC
3/16"			4934009		4934021
1/4"			4934012		4934022
5/16"			4934015		4934023
3/8"			4934018		4934025
1/2"			4934024		4934026
5/8"			4934030		4934020
5mm	4928020	L04QB855M	L04QC855M	L04QR855M	
6mm	4928021	L04QB856M	L04QC856M	L04QR856M	
8mm	4928022	L04QB858M	L04QC858M	L04QR858M	
9.5mm	4928023				
10mm		L04QB8510M		L04QR8510M	
12mm		L04QB8512		L04QR8512M	
13mm			L04QC8513	L04QR8513M	
16mm			L04QC8516M	L04QR8516M	

Eagle Blue 80 EC and Eagle Blue 85 Quick-Connect Belting packaged with a pack of stainless steel connectors; all other Quick-Connect packaged with aluminum.

QC Connectors

	Aluminum		Stainless Steel	
3/16" and 5mm	4935009	25/pack	L04CON5T	10/pack
1/4" and 6–7mm	L04CON6S	25/pack	L04CON6T	10/pack
5/16" and 8mm	L04CON8S	25/pack	L04CON8T	10/pack
3/8" and 10mm	L04CON10S	20/pack	L04CON10T	10/pack
1/2" and 12–13mm	L04CON13S	20/pack	L04CON13T	10/pack
5/8" and 16mm	4935030	15/pack	–	–

All belting sold in 100'/30.5m lengths, except Can Cable (sold in 500' lengths).
May be subject to minimum order. Consult factory for availability.
Dimensions are for reference only.
For technical assistance and drive design help, contact Applications Engineering at 800-243-3374 or ae@fennerdrives.com.

Part Number Listing

Round Profiles – Reinforced

	Eagle Opaque 80 R	Eagle Orange 85 R	Eagle Hyfen 85 R	Eagle Green 89 R	Eagle Green 89 RT	Eagle Beige 95 R	Eagle Can Cable
3/16"			5218009				
1/4"		4940058	5218012				
5/16"		4940059	5218015				
3/8"		4940060	5218018				
1/2"		4940061	5218024				
9/16"		4940062	5218027				
5/8"		4940063	5218030				
3/4"		4940064	5218033				
5mm				L04G895MRS	4940056		
6mm		L04OG856MR		L04G896MSR	4940057		
7mm				L04G897MRS	4940050		
8mm	L04OP808MR	L04OG858R		L04G898MRS	4940051	L04BE958R	
9mm				L04G899MRS			
10mm	L04OP8010MR	L04OG8510MR		L04G8910MRS	4940052	L04BE9510R	
12mm		L04OG8512R		L04G8912MRS	4940053		
15mm	L04OP8015MR	L04OG8515MR		L04G8915MRS	4940054	L04BE9515R	
18mm				L04G8918MRS	4940055		
20mm		L04OG8520R					
3/8" Red 50D CC LCF							4816020
3/8" Blue 55D CC							4816019
9.5mm Blue 55D Aramid CC							4899012
3/8" Natural 55D CC							4816018
3/8" Green 63D CC							4817018
3/8" Natural 63D CC							4899006

V Profiles – Reinforced

	Eagle Opaque 80 R	Eagle Hyfen 85 R	Eagle Ivory 85 R	Eagle Orange 85 R	Eagle Green 89 R	Eagle Beige 95 R	Eagle Hyfen 95 R
3L						4940070	
3L Cogged						4940078	
3L Twin		5299010					
Z/10			L04I85ZR	4940065		4940074	
A							5260200
A/13	L04OP80AR		L04I85AR	4940066	L04G89AR	4940075	
A Cogged							5220000
A/13 Cogged						4940071	
A/13 Ridge-Top	L04OP80ARXH	5299007	L04I85ARXH		L04G89ARXH		
A Twin		5299019					
B							5260300
B/17	L04OP80BR		L04I85BR	4940067	4940127	4940076	
B Cogged							5230000
B/17 Cogged						4940072	
B/17 Ridge-Top	L04OP80BRXH	5299009	L04I85BRXH		L04G89BRXH		
C							5260400
C/22			L04I85CR	4940068	L04G89CR	4940077	
C Cogged							5240000
C/22 Cogged						4940073	
C/22 Ridge-Top 24.5mm			5299103		4999524		
C/22 Ridge-Top 28.5mm			L04I85CRXH		L04G89CRXH		

SGT V Profiles – Reinforced

	Eagle Ivory 85 RSGT PU	Eagle Ivory 85 RSGT PVC	Eagle Ivory 85 RSGT TPE
A/13	493060030M	L04I85ARSG	493150030M
B/17	493020030M	L04I85BRSG	493160030M
C/22	493070030M	L04I85CRSG	493170030M

Co-Extruded V Profiles – Reinforced

	Eagle Hyfen 85 CXF	Eagle Hyfen 85 CXR
A	5260520	5260525
A Twin	5260572	5260577
B	5260530	5260535
C	5260540	5260545
D	5260550	5260555

Eagle Welding Kits

Butt Welding Kit & Components – 115 V

5700200	Butt Welding Kit 115 V (Large Clamp)
5700231	Mini Butt Welding Kit 115 V (Mini Clamp)
5700201	Butt Welding Clamp
5700227	Mini Clamp
5700228	Hot Knife 115 V with holder and 2" blade
5700220	Double Iron Hot Knife 115 V with holder and 3" blade
5700202	Hot Knife Holder
5700233	Hot Knife Blade – 2"
5700218	Hot Knife Blade – 3" (Use with 5700220)
5700153	Cutting Shears
1448000	Flash Cutter
5700208	Clamping Plate (2 pcs)
5700209	Flat/V-belt adapter Plate (2 pcs)
5700212	Black Knurled Knob (5 pcs)
5700203	Case

Butt Welding Kit & Components – 240 V

L04FULLWELD240V	Butt Welding Kit 240 V (Large Clamp)
L04MINIWELD240V	Mini Butt Welding Kit 240 V (Mini Clamp)
5700201	Butt Welder Clamp
5700227	Mini Clamp
L04HKNIFE240	Hot Knife 240 V
L04SHEARS	Cutting Shears
L04FCUTTER	Flash Cutter
L04S	Hot Knife Blade – 2"
L04CASEBKST	Case (Large Clamp)
L04CASEBLM	Case (Mini Clamp)

Freestyle Welding Kit & Components

5700539	Freestyle Welding Kit
5700537	Freestyle Welder
5700366	Freestyle Welder Blade Assembly
5700367	Freestyle Welder End Cap
5700542	Blade Replacement Tape 10/pk
5700541	Pack of 2 D cell NiMH batteries
5700153	Cutting Shears
1448000	Flash Cutter

Overlap Welding Kit & Components

5700160K	Overlap Welding Kit 115 V
5700161K	Overlap Welding Kit 240 V
5700152	Flash Cutter
5700164	Case
5700300	Temperature Controller w/Control Box 115 V
5700310	Temperature Controller w/Control Box 240 V
5700325	Heating Tip (Z Block)
5700330	Thumb Nuts
5700340	Hold Down Pin
5700350	Thermocouple Wire
5700355	Thermocouple Connector
5700360	Heating Element, Power Cord and Plug 115 V
5700361	Heating Element, Power Cord and Plug 240 V
5700351	Plug Adapter – UK to EU
5700380	Spring
5700390	Heating Assembly Knob
5700400	1/4" and 5/16" Die Set
5700410	3/8" and 1/2" Die Set
5700420	9/16", 5/8" and 16mm Die Set
5700430	3/4" and 19mm Die
5700600	5mm Die
5700601	6mm Die
5700602	7mm Die
5700603	8mm Die
5700604	9mm Die
5700605	10mm Die
5700606	12mm Die
5700608	18mm Die
5700620	20mm Die
5700610	Z/10 Die Set
5700440	A Hyfen Die Set
5700611	A/13 Die Set
5700470	A Ridge–Top Die Set
5700453	B Hyfen Die Set
5700612	B/17 Die Set
5700490	B Ridge-Top Die Set
5700457	C Hyfen Die Set
5700613	C/22 Die Set
5700460	D Hyfen Die Set
5700480	A Die Set for Hyfen CXF and CXR
5700472	B Die Set for Hyfen CXF and CXR
5700476	C Die Set for Hyfen CXF and CXR
5700474	D Die Set for Hyfen CXF and CXR

Overlap Welder availability may be subject to minimum purchase of reinforced belting. Consult factory for details.

All belting sold in 100'/30.5m lengths, except Can Cable (sold in 500' lengths).
May be subject to minimum order. Consult factory for availability.
Dimensions are for reference only.
For technical assistance and drive design help, contact Applications Engineering at 800-243-3374 or ae@fennerdrives.com.

Technical Data

Eagle Blue 80 EC

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
80A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .80
Steel .70
UHMW .55

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
2mm	4928000		2	0.55	14	0.1	0.7	0.2	1.0	0.3	1.4	0.4	1.7	0.002	0.004
3mm	4928001		3	0.83	21	0.4	1.7	0.6	2.5	0.8	3.5	1.0	4.3	0.005	0.008
4mm	4928002		4	1.10	28	0.6	2.8	0.9	4.2	1.3	5.6	1.5	6.7	0.009	0.014
5mm	4928003		5	1.38	35	0.9	4.2	1.4	6.3	1.9	8.4	2.4	10.6	0.015	0.022
6mm	4928004		6	1.65	42	1.3	5.9	2.1	9.1	2.8	12.3	3.4	15.2	0.021	0.032
6.3mm	4928005	¼	6.3	1.74	44	1.5	6.6	2.3	10.2	3.1	13.7	3.8	17.0	0.023	0.035
8mm	4928006		8	2.20	56	2.4	10.5	3.6	16.2	4.8	21.5	6.1	26.9	0.038	0.056
9.5mm	4928007	⅜	9.5	2.62	67	3.4	15.0	5.2	23.2	7.0	31.0	8.7	38.7	0.053	0.079
10mm	4928008		10	2.76	70	3.7	16.4	5.8	25.6	7.7	34.1	9.6	42.6	0.059	0.088

Eagle Blue 80 EC

DESCRIPTION
Trapezoidal,
Non-Reinforced
Vee T-Top

HARDNESS
80A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .80
Steel .70
UHMW .55

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
6mm × 4mm	4928009	6.5 × 4	1.10	28	0.8	3.7	1.5	6.7	2.1	9.4	2.7	12.1	0.015	0.023
8mm × 5mm	4928010	8 × 5	1.38	35	1.3	5.7	2.4	10.5	3.3	14.6	4.2	18.9	0.024	0.035
10mm × 4mm T-Top	4928011	10 × 4	1.10	28	1.0	4.6	1.9	8.5	2.7	11.8	3.4	15.3	0.019	0.028
Z/10	4928012	10 × 6.5	1.79	46	2.1	9.2	3.8	16.8	5.3	23.5	6.8	30.3	0.038	0.057
A/13	4928013	13 × 8	2.20	56	3.4	14.9	6.1	27.3	8.6	38.2	11.1	49.3	0.062	0.092
B/17	4928014	17 × 11.5	3.17	81	6.1	27.3	11.2	49.9	15.7	69.9	20.3	90.2	0.113	0.168

Eagle Clear 80 EC

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
80A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .80
Steel .70
UHMW .55

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
2mm	4927000		2	0.55	14	0.1	0.7	0.2	1.0	0.3	1.4	0.4	1.7	0.002	0.004
3mm	4927001		3	0.83	21	0.4	1.7	0.6	2.5	0.8	3.5	1.0	4.3	0.005	0.008
4mm	4927002		4	1.10	28	0.6	2.8	0.9	4.2	1.3	5.6	1.5	6.7	0.009	0.014
5mm	4927003		5	1.38	35	0.9	4.2	1.4	6.3	1.9	8.4	2.4	10.6	0.015	0.022
6mm	4927004		6	1.65	42	1.3	5.9	2.1	9.1	2.8	12.3	3.4	15.2	0.021	0.032
6.3mm	4927005	¼	6.3	1.74	44	1.5	6.6	2.3	10.2	3.1	13.7	3.8	17.0	0.023	0.035
8mm	4927006		8	2.20	56	2.4	10.5	3.6	16.2	4.8	21.5	6.1	26.9	0.038	0.056
9.5mm	4927007	⅜	9.5	2.62	67	3.4	15.0	5.2	23.2	7.0	31.0	8.7	38.7	0.053	0.079
10mm	4927008		10	2.76	70	3.7	16.4	5.8	25.6	7.7	34.1	9.6	42.6	0.059	0.088

Eagle Clear 80 EC

DESCRIPTION
Trapezoidal,
Non-Reinforced
Vee T-Top

HARDNESS
80A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .80
Steel .70
UHMW .55

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
6mm × 4mm	4927009	6.5 × 4	1.10	28	0.8	3.7	1.5	6.7	2.1	9.4	2.7	12.1	0.015	0.023
8mm × 5mm	4927010	8 × 5	1.38	35	1.3	5.7	2.4	10.5	3.3	14.6	4.2	18.9	0.024	0.035
10mm × 4mm T-Top	4927011	10 × 4	1.10	28	1.0	4.6	1.9	8.5	2.7	11.8	3.4	15.3	0.019	0.028
Z/10	4927012	10 × 6.5	1.79	46	2.1	9.2	3.8	16.8	5.3	23.5	6.8	30.3	0.038	0.057
A/13	4927013	13 × 8	2.20	56	3.4	14.9	6.1	27.3	8.6	38.2	11.1	49.3	0.062	0.092
B/17	4927014	17 × 11.5	3.17	81	6.1	27.3	11.2	49.9	15.7	69.9	20.3	90.2	0.113	0.168

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Eagle Blue 80 MD

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
80A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .75
Steel .65
UHMW .50

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
3/16"	4941100	3/16		1.31	33	0.8	3.5	1.2	5.4	1.6	7.0	1.9	8.6	0.013	0.020
1/4"	4941101	1/4	6.3	1.75	44	1.3	6.0	2.1	9.2	2.8	12.3	3.4	15.3	0.024	0.035
5/16"	4941102	5/16		2.19	56	2.1	9.4	3.3	14.5	4.3	19.3	5.5	24.3	0.037	0.055
3/8"	4941103	3/8	9.5	2.63	67	3.0	13.5	4.7	20.9	6.3	27.9	7.8	34.8	0.054	0.080
1/2"	4941105	1/2	12.7	3.50	89	5.4	23.9	8.4	37.3	11.2	49.7	13.8	61.6	0.095	0.142
9/16"	4941106	9/16		3.94	100	6.9	30.6	10.6	47.1	14.2	63.0	17.6	78.2	0.121	0.180
5/8"	4941107	5/8		4.38	111	8.4	37.5	13.1	58.2	17.4	77.6	21.7	96.4	0.149	0.222

Eagle Blue 80 MD

DESCRIPTION
Trapezoidal,
Non-Reinforced
Vee

HARDNESS
80A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .75
Steel .65
UHMW .50

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	4941108	1/2 × 5/16	13 × 8	2.20	56	2.8	12.6	4.8	21.5	6.8	30.4	8.8	38.9	0.061	0.091
B/17	4941109	21/32 × 7/16	17 × 11.5	3.17	81	5.0	22.0	8.4	37.3	11.8	52.6	15.1	67.0	0.113	0.168

Eagle Brown 80

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
2mm	L04BR802M		2	0.63	16	0.4	1.9	0.7	2.9	0.9	3.8	1.0	4.7	0.003	0.004
3mm	L04BR803M		3	0.94	24	1.0	4.3	1.5	6.6	2.0	8.7	2.4	10.5	0.006	0.008
4mm	L04BR804		4	1.26	32	1.7	7.7	2.6	11.7	3.5	15.4	4.2	18.6	0.010	0.015
5mm	L04BR805M		5	1.57	40	2.7	12.0	4.1	18.3	5.4	24.0	6.5	29.1	0.016	0.023
6.3mm	L04BR806.3	1/4	6.3	1.98	50	4.3	19.3	6.6	29.5	8.7	38.8	10.6	46.9	0.025	0.037
8mm	L04BR808		8	2.52	64	6.9	30.7	10.5	46.9	13.8	61.5	16.7	74.5	0.040	0.060
9.5mm	L04BR809.5M	3/8	9.5	2.99	76	9.7	43.3	14.9	66.1	19.5	86.7	23.6	105.0	0.057	0.084
12.7mm	L04BR80127	1/2	12.7	4.00	102	17.4	77.3	26.5	118.1	34.8	154.9	42.2	187.7	0.101	0.151
15mm	L04BR8015M		15	4.72	120	24.3	107.9	37.0	164.7	48.6	216.2	58.9	261.8	0.141	0.210
18mm	L04BR8018M		18	5.67	144	34.9	155.4	53.3	237.2	70.0	311.3	84.8	377.0	0.203	0.303

Eagle Brown 80

DESCRIPTION
Trapezoidal,
Non-Reinforced
Vee

HARDNESS
85A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
8mm × 5mm	L04BR8058	8 × 5	1.57	40	4.4	19.4	6.7	29.7	8.8	38.9	10.6	47.2	0.025	0.037
Z/10	L04BR80Z	10 × 6.5	2.05	52	6.9	30.8	10.6	47.0	13.9	61.7	16.8	74.8	0.040	0.060
A/13	L04BR80A	13 × 8	2.52	64	11.2	50.0	17.2	76.4	22.5	100.2	27.3	121.4	0.066	0.098
B/17	L04BR80B	17 × 11.5	3.62	92	20.6	91.6	31.4	139.8	41.2	183.4	49.9	222.2	0.120	0.178

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Eagle Opaque 80

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
80A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .75
Steel .65
UHMW .50

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
2mm	L04OP802M		2	0.55	14	0.2	0.9	0.4	1.6	0.5	2.2	0.6	2.7	0.003	0.004
3mm	L04OP803M		3	0.83	21	0.5	2.1	0.8	3.5	1.1	4.9	1.4	6.2	0.006	0.009
4mm	L04OP804		4	1.10	28	0.8	3.7	1.4	6.2	2.0	8.7	2.5	11.0	0.010	0.015
5mm	L04OP805M		5	1.38	35	1.3	5.7	2.2	9.7	3.1	13.6	3.9	17.2	0.016	0.024
6mm	L04OP806M		6	1.65	42	1.9	8.2	3.2	14.0	4.4	19.6	5.6	24.7	0.023	0.034
1/4"	4940003	1/4	6.3	1.75	44	2.1	9.2	3.5	15.7	4.9	22.0	6.2	27.7	0.026	0.039
7mm	L04OP807M		7	1.93	49	2.5	11.2	4.3	19.1	6.0	26.7	7.6	33.7	0.032	0.047
8mm	L04OP808M		8	2.20	56	3.3	14.7	5.6	25.0	7.8	34.9	9.9	43.9	0.041	0.061
3/8"	4940005	3/8	9.5	2.63	67	4.7	20.8	8.0	35.4	11.1	49.4	14.0	62.3	0.058	0.087
10mm	L04OP8010M		10	2.76	70	5.1	22.9	8.8	39.0	12.2	54.5	15.4	68.6	0.064	0.096
1/2"	4940011	1/2	12.7	3.50	89	8.3	37.0	14.1	62.9	19.8	87.9	24.9	110.7	0.104	0.155
15mm	L04OP8015M		15	4.13	105	11.6	51.6	19.7	87.7	27.6	122.6	34.7	154.4	0.145	0.216
18mm	4940013		18	4.96	126	16.7	74.2	28.4	126.3	39.7	176.5	50.0	222.4	0.209	0.310

Eagle Opaque 80

DESCRIPTION
Trapezoidal,
Non-Reinforced

Vee

Ridge-Top

HARDNESS
80A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .75
Steel .65
UHMW .50

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
6mm × 4mm	L04OP806X4		6.5 × 4	1.10	28	1.0	3.6	2.1	7.1	3.3	12.7	4.5	17.1	0.017	0.025
8mm × 5mm	4940006		8 × 5	1.38	35	1.6	7.1	3.3	14.7	5.2	23.1	7.0	31.2	0.026	0.039
3L	4940007	3/8 × 7/32		1.53	39	2.2	9.8	4.6	20.3	7.2	31.9	9.7	43.0	0.036	0.054
Z/10	4940008		10 × 6.5	1.79	46	2.5	11.3	5.2	23.3	8.3	36.8	11.1	49.5	0.041	0.062
A/13	4940009	1/2 × 5/16	13 × 8	2.20	56	4.1	18.1	8.4	37.3	13.2	58.8	17.8	79.2	0.066	0.099
B/17	4940010	21/32 × 7/16	17 × 11.5	3.17	81	7.4	33.1	15.3	68.0	24.1	107.2	32.5	144.5	0.121	0.180
B/17 Ridge-Top	4940097		17 × 19.5	5.37	137	11.0	48.9	22.6	100.6	35.6	158.6	48.0	213.7	0.179	0.266
C/22	4940015	7/8 × 9/16	22 × 14.5	4.00	102	12.2	54.4	25.2	112.0	39.7	176.4	53.5	237.8	0.199	0.296
C/22 Ridge-Top	4999557		22 × 24.5	6.75	172	18.0	80.0	37.0	164.7	58.3	259.4	78.6	349.7	0.292	0.435
C/22 Ridge-Top	4940099		22 × 28.5	7.85	200	20.2	89.9	41.6	185.0	65.5	291.5	88.3	392.9	0.328	0.489

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Eagle Blue 85

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
3mm	L04BL853M		3	0.94	24	0.4	1.9	0.7	3.0	0.9	4.0	1.1	4.9	0.006	0.009
4mm	L04BL854		4	1.26	32	0.8	3.4	1.2	5.3	1.6	7.0	2.0	8.7	0.010	0.015
5mm	L04BL855M		5	1.57	40	1.2	5.3	1.9	8.2	2.5	11.0	3.0	13.5	0.016	0.024
6mm	L04BL856M		6	1.89	48	1.7	7.7	2.7	11.9	3.6	15.8	4.4	19.5	0.023	0.034
6.3mm	L04BL856.3	1/4	6.3	2.00	51	1.9	8.6	3.0	13.3	4.0	17.7	4.9	21.8	0.025	0.037
8mm	L04BL858M		8	2.52	64	3.1	13.7	4.7	21.1	6.3	28.1	7.8	34.7	0.041	0.060
9.5mm	L04BL859.5M	3/8	9.5	3.00	76	4.4	19.4	6.7	29.9	9.0	39.9	11.1	49.2	0.057	0.085
10mm	L04BL8510M		10	3.15	80	4.8	21.4	7.4	33.0	9.9	44.0	12.2	54.2	0.063	0.094
12.7mm	L04BL8512.7	1/2	12.7	4.00	102	7.8	34.5	12.0	53.2	15.9	70.9	19.6	87.4	0.102	0.152
15mm	L04BL8515		15	4.72	120	10.8	48.1	16.7	74.2	22.2	99.0	27.4	121.9	0.142	0.212

Eagle Blue 85

DESCRIPTION
Trapezoidal,
Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
6mm × 4mm	L04BL850604		6.5 × 4	1.25	32	1.0	4.5	1.7	7.6	2.3	10.7	3.0	13.5	0.016	0.024
8mm × 5mm	L04BL8585M		8 × 5	1.57	40	1.5	6.8	2.6	11.5	3.6	16.2	4.6	20.5	0.025	0.038
3L	L04BL853L	3/8 × 7/32		1.75	45	2.1	9.5	3.6	16.1	5.1	22.6	6.4	28.6	0.035	0.053
Z/10	L04BL85Z		10 × 6.5	1.88	52	2.5	10.8	4.2	18.3	5.8	25.6	7.4	32.5	0.041	0.061
A/13	L04BL85A	1/2 × 5/16	13 × 8	2.50	64	4.0	18.0	6.8	30.4	9.5	42.7	12.0	54.1	0.066	0.098
B/17	L04BL85B	21/32 × 7/16	17 × 11.5	3.25	92	7.3	31.0	12.4	52.5	17.4	73.7	22.0	93.4	0.121	0.180
C/22	L04BL85C	7/8 × 9/16	22 × 14.5	4.50	116	12.0	54.0	20.3	91.5	28.5	128.4	36.2	162.6	0.199	0.296

Eagle Ivory 85

DESCRIPTION
Trapezoidal,
Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
Z/10	L04I85Z		10 × 6.5	2.05	52	6.9	30.8	10.6	47.0	13.9	61.7	16.8	74.8	0.040	0.060
A/13	L04I85A	1/2 × 5/16	13 × 8	2.52	64	11.2	50.0	17.2	76.4	22.5	100.2	27.3	121.4	0.065	0.096
B/17	L04I85B	21/32 × 7/16	17 × 11.5	3.62	92	20.6	91.6	31.4	139.8	41.2	183.4	49.9	222.2	0.118	0.175
C/22	L04I85C	7/8 × 9/16	22 × 14.5	4.57	116	33.9	150.6	51.7	229.8	67.8	301.7	82.1	365.4	0.194	0.289

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Dimensions are for reference only.

Technical Data

Eagle Clear 85

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

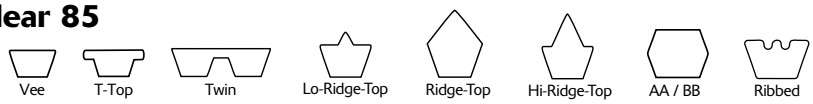
COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
2mm	L04C852M		2	0.63	16	0.2	0.9	0.3	1.3	0.4	1.8	0.5	2.2	0.003	0.004
3/32"	4908003	3/32		0.75	19	0.3	1.2	0.4	1.9	0.6	2.5	0.7	3.1	0.004	0.005
3mm	L04C853M		3	0.94	24	0.4	1.9	0.7	3.0	0.9	4.0	1.1	4.9	0.006	0.009
1/8"	4908006	1/8		1.00	25	0.5	2.2	0.7	3.3	1.0	4.4	1.2	5.5	0.006	0.010
4mm	L04C854		4	1.26	32	0.8	3.4	1.2	5.3	1.6	7.0	1.9	8.6	0.010	0.015
3/16"	4908009	3/16		1.50	38	1.1	4.9	1.7	7.5	2.2	10.0	2.8	12.3	0.014	0.021
5mm	L04C855M		5	1.57	40	1.2	5.3	1.9	8.2	2.5	11.0	3.0	13.5	0.016	0.024
6mm	L04C856M		6	1.89	48	1.7	7.7	2.7	11.8	3.5	15.8	4.4	19.4	0.023	0.034
1/4"	4908012	1/4	6.3	2.00	51	1.9	8.6	3.0	13.3	4.0	17.7	4.9	21.9	0.026	0.038
7mm	L04C857M		7	2.20	56	2.4	10.5	3.6	16.2	4.8	21.6	6.0	26.6	0.031	0.046
5/16"	4908015	5/16		2.50	64	3.0	13.5	4.7	20.8	6.2	27.7	7.7	34.1	0.040	0.059
8mm	L04C858		8	2.52	64	3.1	13.7	4.7	21.1	6.3	28.1	7.8	34.7	0.041	0.060
3/8"	4908018	3/8	9.5	3.00	76	4.4	19.4	6.7	29.9	9.0	39.9	11.1	49.2	0.057	0.086
10mm	L04C8510M		10	3.15	80	4.8	21.4	7.4	33.0	9.9	44.0	12.2	54.2	0.063	0.094
12mm	L04C8512M		12	3.78	96	6.9	30.8	10.7	47.5	14.2	63.3	17.5	78.0	0.091	0.136
1/2"	4908024	1/2	12.7	4.00	102	7.8	34.5	12.0	53.2	16.0	71.0	19.6	87.4	0.102	0.152
9/16"	4908027	9/16		4.50	114	9.8	43.7	15.1	67.3	20.2	89.8	24.9	110.6	0.129	0.192
5/8"	4908030	5/8		5.00	127	12.1	53.9	18.7	83.1	24.9	110.8	30.7	136.5	0.160	0.238
3/4"	4908033	3/4		6.00	152	17.5	77.7	26.9	119.6	35.9	159.6	44.2	196.6	0.230	0.342

Eagle Clear 85

DESCRIPTION
Trapezoidal,
Non-Reinforced



HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
6mm × 4mm	L04C850604		6.5 × 4	1.26	32	1.0	4.5	1.7	7.6	2.4	10.7	3.0	13.5	0.016	0.024
3L	4912063	3/8 × 7/32		1.75	44	2.2	9.7	3.7	16.5	5.2	23.1	6.6	29.3	0.035	0.053
3L T-Top	4912064	9/16 × 19/64		2.38	60	3.6	16.1	6.1	27.2	8.6	38.2	10.9	48.3	0.058	0.087
3L Twin	4912065	15/16 × 17/64		2.13	54	6.0	26.9	10.2	45.6	14.4	63.9	18.2	81.0	0.098	0.145
Z/10	4940118		10 × 6.5	2.05	52	2.5	11.2	4.3	19.0	6.0	26.6	7.6	33.7	0.041	0.061
A/13	4912066	1/2 × 5/16	13 × 8	2.50	64	4.1	18.1	6.9	30.6	9.7	43.0	12.2	54.4	0.066	0.098
A/13 Lo-Ridge-Top	4912067	1/2 × 7/16		3.50	89	4.3	19.3	7.3	32.6	10.3	45.8	13.0	58.0	0.070	0.104
A/13 Ridge-Top	L04C85AXH		13 × 16	5.04	128	6.7	29.7	11.3	50.4	15.9	70.7	20.1	89.5	0.108	0.161
A/13 Hi-Ridge-Top	4911102	1/2 × 5/8		5.00	127	5.3	23.7	9.0	40.1	12.7	56.3	16.0	71.3	0.086	0.128
A Twin	4912068	1-3/16 × 5/16		2.50	64	9.6	42.5	16.2	72.0	22.7	100.9	28.7	127.9	0.154	0.230
AA	4912062	1/2 × 13/32		3.25	83	5.8	25.7	9.8	43.6	13.7	61.1	17.4	77.4	0.093	0.139
B/17	4912069	11/16 × 13/32	17.5 × 10	3.25	83	7.2	31.9	12.1	54.0	17.0	75.8	21.6	96.0	0.116	0.172
BB	4912070	11/16 × 9/16		4.50	114	10.6	47.0	17.9	79.7	25.1	111.7	31.8	141.5	0.171	0.254
C/22	4912072	29/32 × 17/32	23 × 13.5	4.25	108	12.5	55.5	21.1	94.0	29.6	131.8	37.5	167.0	0.201	0.300
D/32 Ribbed	4908077	1-5/16 × 3/4	33.5 × 19	6.00	152	24.2	107.7	41.0	182.4	57.5	255.9	72.9	324.2	0.391	0.582

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Dimensions are for reference only.

Technical Data

Eagle Orange 85

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

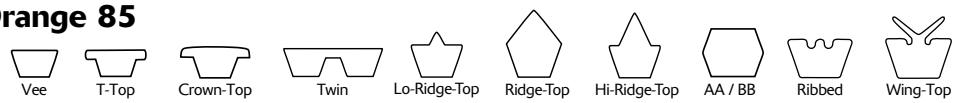
COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
2mm	L04OG852M		2	0.63	16	0.2	0.9	0.3	1.3	0.4	1.8	0.5	2.2	0.003	0.004
3/32"	1032003	3/32		0.75	19	0.3	1.2	0.4	1.9	0.6	2.5	0.7	3.1	0.004	0.005
3mm	L04OG853M		3	0.94	24	0.4	1.9	0.7	3.0	0.9	4.0	1.1	4.9	0.006	0.009
1/8"	1032004	1/8		1.00	25	0.5	2.2	0.7	3.3	1.0	4.4	1.2	5.5	0.006	0.010
4mm	L04OG854		4	1.26	32	0.8	3.4	1.2	5.3	1.6	7.0	1.9	8.6	0.010	0.015
3/16"	1032006	3/16		1.50	38	1.1	4.9	1.7	7.5	2.2	10.0	2.8	12.3	0.014	0.021
5mm	4940100		5	1.57	40	1.2	5.4	1.9	8.3	2.5	11.0	3.1	13.6	0.016	0.024
6mm	L04OG856M		6	1.89	48	1.7	7.7	2.7	11.8	3.5	15.8	4.4	19.4	0.023	0.034
1/4"	1032008	1/4	6.3	2.00	51	1.9	8.6	3.0	13.3	4.0	17.7	4.9	21.9	0.026	0.038
7mm	L04OG857M		7	2.20	56	2.4	10.5	3.6	16.2	4.8	21.6	6.0	26.6	0.031	0.046
5/16"	1032010	5/16		2.50	64	3.0	13.5	4.7	20.8	6.2	27.7	7.7	34.1	0.040	0.059
8mm	L04OG858M		8	2.52	64	3.1	13.7	4.7	21.1	6.3	28.1	7.8	34.7	0.041	0.060
3/8"	1032012	3/8	9.5	3.00	76	4.4	19.4	6.7	29.9	9.0	39.9	11.1	49.2	0.057	0.086
10mm	L04OG8510M		10	3.15	80	4.8	21.4	7.4	33.0	9.9	44.0	12.2	54.2	0.063	0.094
12mm	L04OG8512M		12	3.78	96	6.9	30.8	10.7	47.5	14.2	63.3	17.5	78.0	0.091	0.136
1/2"	1032016	1/2	12.7	4.00	102	7.8	34.5	12.0	53.2	16.0	71.0	19.6	87.4	0.102	0.152
9/16"	1032018	9/16		4.50	114	9.8	43.7	15.1	67.3	20.2	89.8	24.9	110.6	0.129	0.192
5/8"	1032020	5/8		5.00	127	12.1	53.9	18.7	83.1	24.9	110.8	30.7	136.5	0.160	0.238
3/4"	1032024	3/4		6.00	152	17.5	77.7	26.9	119.6	35.9	159.6	44.2	196.6	0.230	0.342

Eagle Orange 85

DESCRIPTION
Trapezoidal,
Non-Reinforced



HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

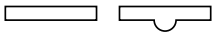
Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
3L	1032030	3/8 × 7/32		1.75	44	2.1	9.5	3.6	16.1	5.1	22.6	6.4	28.6	0.035	0.053
3L T-Top	1032031	9/16 × 19/64		2.38	60	3.5	15.7	6.0	26.5	8.4	37.2	10.6	47.2	0.058	0.087
3L Crown-Top	1032032	9/16 × 1/4		2.00	51	3.0	13.2	5.0	22.4	7.1	31.5	9.0	39.9	0.049	0.073
3L Twin	1032033	15/16 × 17/64		2.13	54	5.9	26.2	10.0	44.5	14.0	62.4	17.8	79.0	0.098	0.145
Z/10	4940114		10 × 6.5	1.88	52	2.5	10.9	4.2	18.5	5.8	26.0	7.4	32.9	0.041	0.061
A/13	1032038	1/2 × 5/16	13 × 8	2.50	64	4.0	17.6	6.7	29.9	9.4	41.9	11.9	53.1	0.066	0.098
A/13 Lo-Ridge-Top	1032039	1/2 × 7/16		3.50	89	4.3	19.1	7.3	32.4	10.2	45.4	12.9	57.5	0.071	0.106
A/13 Ridge-Top	L04OG85AXH		13 × 16	5.00	128	6.5	28.7	10.9	48.7	15.4	68.3	19.5	86.6	0.107	0.159
A/13 Hi-Ridge-Top	1032040	1/2 × 5/8		5.00	127	5.5	24.7	9.4	41.8	13.2	58.7	16.7	74.3	0.092	0.137
A Twin	1032041	1-3/16 × 5/16		2.50	64	9.3	41.4	15.8	70.2	22.1	98.5	28.1	124.8	0.154	0.230
AA	1232550	1/2 × 13/32		3.25	83	5.6	25.1	9.6	42.5	13.4	59.6	17.0	75.5	0.093	0.139
B/17	1032047	11/16 × 13/32	17.5 × 10	3.25	83	7.0	31.1	11.8	52.7	16.6	73.9	21.1	93.7	0.116	0.172
B/17 Ribbed	1032046	11/16 × 13/32	17.5 × 10	3.25	83	6.5	28.7	10.9	48.6	15.3	68.3	19.4	86.5	0.107	0.159
B/17 Wing-Top	1032048	11/16 × 5/8		5.00	127	7.8	34.6	13.2	58.7	18.5	82.3	23.5	104.3	0.129	0.192
BB	1232600	11/16 × 9/16		4.50	114	10.3	45.8	17.5	77.7	24.5	109.0	31.1	138.1	0.171	0.254
C/22	1032072	29/32 × 17/32	23 × 13.5	4.25	108	12.2	54.1	20.6	91.7	28.9	128.6	36.6	163.0	0.201	0.300
C/22 Ribbed	1032054	29/32 × 17/32	23 × 13.5	4.25	108	11.3	50.3	19.2	85.3	26.9	119.7	34.1	151.7	0.187	0.279
D/32 Ribbed	1032062	1-5/16 × 3/4	33.5 × 19	6.00	152	22.9	101.8	38.8	172.5	54.4	242.0	68.9	306.7	0.379	0.564
E/42 Ribbed	1032070	1-11/16 × 1-3/32	43 × 28	8.75	222	42.6	189.6	72.2	321.3	101.4	450.8	128.4	571.3	0.706	1.051

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Technical Data

Eagle Orange 85

DESCRIPTION
Flat,
Non-Reinforced



HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions h × w* (in)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
.055" × .375"	1032121	.055 × .375	0.44	11	0.6	2.6	0.9	3.9	1.1	5.0	1.4	6.1	0.011	0.016
.062" × .5"	1032126	.062 × .500	0.50	13	0.9	3.9	1.3	5.8	1.7	7.6	2.1	9.2	0.016	0.024
.062" × .75" **	1032210	.062 × .750	0.50	13	2.3	10.1	3.4	15.1	4.4	19.7	5.4	23.9	0.042	0.062
.062" × 1.5"	1032148	.062 × 1.50	0.50	13	2.6	11.6	3.9	17.4	5.1	22.7	6.2	27.6	0.048	0.072
.062" × 1.75"	1032155	.062 × 1.75	0.50	13	3.0	13.5	4.6	20.3	6.0	26.5	7.2	32.2	0.056	0.084
.062" × 2"	1032160	.062 × 2.00	0.50	13	3.5	15.5	5.2	23.2	6.8	30.3	8.3	36.8	0.064	0.096
.062" × 3"	1032170	.062 × 3.00	0.50	13	5.2	23.2	7.8	34.8	10.2	45.5	12.4	55.2	0.097	0.144
.125" × .625"	1032133	.125 × .625	1.00	25	2.2	9.7	3.3	14.5	4.3	19.0	5.2	23.0	0.040	0.060
.125" × 1"	1032143	.125 × 1.00	1.00	25	3.5	15.5	5.2	23.3	6.9	30.5	8.3	37.0	0.065	0.096
.250" × .625"	1032134	.250 × .625	2.00	51	4.4	19.4	6.5	29.0	8.5	38.0	10.4	46.1	0.081	0.120
.078" × .75"	1032136	.078 × .750	0.62	16	1.6	7.3	2.4	10.9	3.2	14.2	3.9	17.3	0.030	0.045
.090" × 1"	1032142	.090 × 1.00	0.72	18	2.5	11.2	3.8	16.8	4.9	21.9	6.0	26.6	0.047	0.069
.090" × 1.25"	1032146	.090 × 1.25	0.72	18	3.1	14.0	4.7	21.0	6.2	27.4	7.5	33.3	0.058	0.087
.090" × 1.5"	1032151	.090 × 1.50	0.72	18	3.8	16.8	5.7	25.2	7.4	33.0	9.0	40.0	0.070	0.104
.090" × 2"	1032163	.090 × 2.00	0.72	18	5.0	22.4	7.6	33.6	9.9	44.0	12.0	53.4	0.093	0.139

**belt has .156" radius guide.

Eagle Red 85

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
3mm	L04R853M		3	0.94	24	0.5	2.2	0.7	3.3	1.0	4.4	1.2	5.5	0.006	0.009
4mm	L04R8504		4	1.26	32	0.8	3.4	1.2	5.3	1.6	7.0	2.0	8.7	0.010	0.015
5mm	L04R855		5	1.57	40	1.2	5.3	1.9	8.2	2.5	11.0	3.0	13.5	0.016	0.024
6.3mm	L04R856.3	1/4	6.3	1.98	50	1.9	8.6	3.0	13.3	4.0	17.7	4.9	21.9	0.025	0.037
8mm	L04R858		8	2.52	64	3.0	13.5	4.7	20.8	6.2	27.7	7.7	34.1	0.041	0.060
9.5mm	L04R859.5	3/8	9.5	2.99	76	4.4	19.4	6.7	29.9	9.0	39.9	11.1	49.2	0.057	0.085
12.7mm	L04R8512.7	1/2	12.7	4.00	102	7.8	34.5	12.0	53.2	16.0	71.0	19.6	87.4	0.102	0.152
15mm	L04R8515		15	4.72	120	10.8	48.1	16.7	74.2	22.3	99.0	27.4	121.9	0.142	0.212

Eagle Red 85

DESCRIPTION
Trapezoidal,
Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
8mm × 5mm	L04R8585M		8 × 5	1.57	40	1.5	6.8	2.6	11.5	3.6	16.2	4.6	20.5	0.025	0.038
Z/10	L04R85Z		10 × 6.5	1.88	52	2.5	10.9	4.2	18.5	5.8	26.0	7.4	32.9	0.041	0.061
A/13	L04R85A	1/2 × 5/16	13 × 8	2.50	64	4.0	17.6	6.7	29.9	9.4	41.9	11.9	53.1	0.066	0.098
B/17	L04R85B	21/32 × 7/16	17 × 11.5	3.25	92	7.0	31.1	11.9	52.7	16.6	73.9	21.1	93.7	0.121	0.180

Eagle Red 85 CXF

DESCRIPTION
Trapezoidal, Non-Reinforced
with Co-Extruded Flat Top

nominal 2.5mm
Add 2.5mm nominal to listed height for total belt height.

HARDNESS
85A Base, 60A Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	4924320	1/2 × 5/16	13 × 8	3.28	83	4.6	20.5	7.3	32.3	9.9	44.0	12.3	54.8	0.091	0.135
B/17	4924330	11/16 × 13/32	17.5 × 10	4.28	109	8.1	36.1	12.8	57.0	17.4	77.5	21.7	96.7	0.150	0.223
C/22	4924345	29/32 × 17/32	23 × 13.5	5.28	134	14.1	62.8	22.3	99.2	30.3	134.9	37.8	168.2	0.247	0.367

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Eagle Blue 80 EC QC

DESCRIPTION
Round, Hollow, Non-Reinforced

HARDNESS
80A

FDA COMPLIANT
Yes‡

COEFFICIENT OF FRICTION
Stainless Steel .50
Steel .40
UHMW .35

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions O.D. × I.D.† (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
5mm	4928020	5 × 2	1.38	35	0.4	1.8	0.6	2.8	0.8	3.7	1.0	4.6	0.012	0.018
6mm	4928021	6 × 2.5	1.65	42	0.6	2.5	0.9	3.9	1.2	5.3	1.5	6.6	0.018	0.026
8mm	4928022	8 × 3.2	2.20	56	1.0	4.6	1.6	7.1	2.2	9.6	2.7	11.9	0.032	0.047
9.5mm	4928023	9.5 × 3.8	2.64	67	1.5	6.4	2.3	10.1	3.0	13.5	3.8	16.8	0.045	0.067

† O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.
‡ Supplied with stainless steel connectors.

Eagle Blue 85 QC

DESCRIPTION
Round, Hollow, Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes‡

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions O.D. × I.D.† (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
5mm	L04QB855M	5 × 2	1.38	35	0.5	2.3	0.8	3.5	1.1	4.7	1.3	5.8	0.013	0.020
6mm	L04QB856M	6 × 2.5	1.89	48	0.7	3.2	1.1	5.0	1.5	6.7	1.9	8.3	0.019	0.028
8mm	L04QB858M	8 × 3.2	2.52	64	1.3	5.7	2.0	8.9	2.7	11.9	3.3	14.6	0.034	0.051
10mm	L04QB8510M	10 × 3.8	4.00	102	2.1	9.3	3.2	14.4	4.3	19.3	5.3	23.8	0.054	0.081
12mm	L04QB8512	12 × 5.2	3.78	96	2.8	12.6	4.4	19.7	5.9	26.3	7.3	32.5	0.074	0.110

† O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.
‡ Supplied with stainless steel connectors.

Eagle Clear 85 QC

DESCRIPTION
Round, Hollow, Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes¶

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions O.D. × I.D.† (inches or mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
3/16"	4934009	.188 × .080	1.50	38	0.5	2.0	0.7	3.1	0.9	4.2	1.2	5.2	0.012	0.018
5mm	L04QC855M	5 × 2	1.57	40	0.5	2.3	0.8	3.5	1.1	4.7	1.3	5.8	0.013	0.020
6mm	L04QC856M	6 × 2.5	1.89	48	0.7	3.2	1.1	5.0	1.5	6.7	1.9	8.3	0.019	0.028
1/4"	4934012	.250 × .098	2.00	51	0.8	3.7	1.3	5.7	1.7	7.7	2.1	9.5	0.022	0.032
5/16"	4934015	.313 × .126	2.50	64	1.3	5.7	2.0	8.9	2.7	11.9	3.3	14.7	0.034	0.050
8mm	L04QC858M	8 × 3.2	2.52	64	1.3	5.8	2.0	9.0	2.7	12.1	3.4	14.9	0.034	0.051
3/8"	4934018	.375 × .152	4.00	102	1.8	8.2	2.9	12.7	3.8	17.1	4.7	21.0	0.048	0.071
1/2"	4934024	.500 × .205	4.00	102	3.3	14.5	5.1	22.5	6.8	30.2	8.4	37.2	0.085	0.126
13mm	L04QC8513	13 × 5.2	4.09	104	3.5	15.3	5.4	23.8	7.2	31.9	8.9	39.4	0.090	0.134
5/8"	4934030	.625 × .273	5.00	127	5.0	22.1	7.7	34.2	10.3	45.9	12.7	56.6	0.129	0.192
16mm	L04QC8516M	16 × 6.8	5.04	128	5.1	22.7	7.9	35.2	10.6	47.2	13.1	58.2	0.133	0.198

† O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.
¶ Fenner Drives recommends stainless steel connectors for FDA compliance. If required for your application please order separately.

Eagle Red 85 QC

DESCRIPTION
Round, Hollow, Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions O.D. × I.D.† (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
5mm	L04QR855M	5 × 2	1.57	40	0.5	2.3	0.8	3.5	1.1	4.7	1.3	5.8	0.013	0.020
6mm	L04QR856M	6 × 2.5	1.89	48	0.7	3.2	1.1	5.0	1.5	6.7	1.9	8.3	0.019	0.028
8mm	L04QR858M	8 × 3.2	2.52	64	1.3	5.8	2.0	9.0	2.7	12.1	3.4	14.9	0.034	0.051
10mm	L04QR8510M	10 × 3.8	4.00	102	2.1	9.3	3.2	14.4	4.3	19.3	5.3	23.8	0.054	0.081
12mm	L04QR8512M	12 × 5.2	3.78	96	2.8	12.6	4.4	19.7	5.9	26.3	7.3	32.5	0.074	0.110
13mm	L04QR8513M	13 × 5.2	4.09	104	3.5	15.3	5.4	23.8	7.2	31.9	8.9	39.4	0.090	0.134
16mm	L04QR8516M	16 × 6.8	5.04	128	5.1	22.7	7.9	35.2	10.6	47.2	13.1	58.2	0.133	0.198

† O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.

Eagle Yellow 85 QC

DESCRIPTION
Round, Hollow, Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes¶

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions O.D. × I.D.† (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
3/16"	4934021	.188 × .080	1.50	38	0.5	2.0	0.7	3.1	0.9	4.2	1.2	5.2	0.012	0.018
1/4"	4934022	.250 × .098	2.00	51	0.8	3.7	1.3	5.7	1.7	7.7	2.1	9.5	0.022	0.032
5/16"	4934023	.313 × .126	2.50	64	1.3	5.7	2.0	8.9	2.7	11.9	3.3	14.7	0.034	0.050
3/8"	4934025	.375 × .152	4.00	102	1.8	8.2	2.9	12.7	3.8	17.1	4.7	21.0	0.048	0.071
1/2"	4934026	.500 × .205	4.00	102	3.3	14.5	5.1	22.5	6.8	30.2	8.4	37.2	0.085	0.126
5/8"	4934020	.625 × .273	5.00	127	5.0	22.1	7.7	34.2	10.3	45.9	12.7	56.6	0.129	0.192

† O.D. is the outer diameter of the belt. I.D. is the inner diameter of the belt.
¶ Fenner Drives recommends stainless steel connectors for FDA compliance. If required for your application please order separately.

Eagle Green 89

DESCRIPTION
Round, Non-Reinforced

HARDNESS
89A

FDA COMPLIANT
No

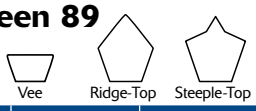
COEFFICIENT OF FRICTION
Stainless Steel .65
Steel .55
UHMW .40

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
2mm	4905402		2	0.71	18	0.3	1.4	0.5	2.4	0.7	3.2	0.9	4.0	0.003	0.004
3mm	L04G893MS		3	1.06	27	0.7	3.2	1.2	5.2	1.6	7.2	2.0	9.0	0.006	0.009
4mm	4905404		4	1.42	36	1.3	5.7	2.1	9.3	2.9	12.8	3.6	16.0	0.010	0.015
5mm	4905405		5	1.77	45	2.0	8.9	3.3	14.6	4.5	20.1	5.6	25.1	0.016	0.023
6mm	4905406		6	2.13	54	2.9	12.8	4.7	21.0	6.5	28.9	8.1	36.1	0.023	0.034
6.3mm	L04896.3MS	1/4	6.3	2.24	57	3.2	14.1	5.2	23.2	7.2	31.8	8.9	39.8	0.025	0.037
7mm	4999637		7	2.48	63	3.9	17.4	6.4	28.6	8.8	39.3	11.0	49.1	0.031	0.046
8mm	L04G898MS		8	2.83	72	5.1	22.8	8.4	37.4	11.5	51.3	14.4	64.1	0.040	0.060
9mm	L04G899MS		9	3.19	81	6.5	28.8	10.6	47.3	14.6	65.0	18.2	81.2	0.051	0.076
9.5mm	L04G899.5MS	3/8	9.5	3.39	86	7.2	32.1	11.8	52.7	16.3	72.4	20.3	90.4	0.057	0.084
10mm	L04G8910MS		10	3.54	90	8.0	35.4	13.1	58.2	18.0	79.9	22.4	99.8	0.063	0.093
12mm	L04G8912MS		12	4.25	108	11.5	51.2	18.9	84.1	26.0	115.5	32.4	144.3	0.090	0.135
15mm	L04G8915MS		15	5.31	135	18.0	80.0	29.5	131.4	40.6	180.5	50.7	225.5	0.141	0.210
18mm	L04G8918MS		18	6.38	162	25.9	115.2	42.5	189.2	58.4	259.9	73.0	324.6	0.203	0.303
20mm	L04G8920MS		20	7.09	180	32.0	142.3	52.5	233.5	72.1	320.8	90.1	400.8	0.251	0.374

Eagle Green 89

DESCRIPTION
Trapezoidal, Non-Reinforced



HARDNESS
89A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .65
Steel .55
UHMW .40

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
Z/10	L04G89Z		10 x 6.5	2.30	59	12.4	55.3	19.0	84.5	24.9	110.6	30.0	133.4	0.040	0.060
A/13	L04G89A	1/2 × 5/16	13 x 8	2.83	72	20.2	89.8	30.8	137.2	40.4	179.6	48.7	216.6	0.066	0.098
A/13 Ridge-Top	L04G89AX		13 x 16	5.67	144	33.0	146.8	50.4	224.3	66.0	293.6	79.6	354.1	0.107	0.159
B/17	L04G89B	21/32 × 7/16	17 x 11.5	4.07	104	37.0	164.4	56.4	251.1	73.9	328.7	89.1	396.4	0.120	0.178
B/17 Ridge-Top	L04G89BX		17 x 19.5	6.91	176	53.7	238.9	82.0	364.9	107.4	477.7	129.5	576.1	0.174	0.259
B/17 Steeple-Top	4940250		17 x 18.5	6.56	167	47.2	209.7	72.0	320.3	94.3	419.3	113.7	505.7	0.153	0.228
C/22	L04G89C	7/8 × 9/16	22 x 14.5	5.14	131	60.8	270.3	92.8	412.9	121.5	540.5	146.5	651.9	0.197	0.293
C/22 Ridge-Top	4999514		22 x 24.5	8.68	221	85.6	380.7	130.7	581.4	171.1	761.2	206.4	917.9	0.278	0.413
C/22 Ridge-Top	L04G89CX		22 x 28.5	10.10	257	98.7	439.2	150.8	670.8	197.4	878.1	238.1	1059.0	0.320	0.477
C/22 Steeple-Top	4940251		22 x 24.5	8.68	221	79.5	353.5	121.4	539.8	158.9	706.7	191.6	852.3	0.258	0.384

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Technical Data

Eagle Green 89 T

DESCRIPTION
Round, Textured, Non-Reinforced

HARDNESS
89A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .50
Steel .40
UHMW .30

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
2mm	4905302	2	0.71	18	0.2	1.0	0.4	1.7	0.5	2.3	0.7	2.9	0.003	0.004
3mm	4905303	3	1.06	27	0.5	2.3	0.9	3.8	1.2	5.2	1.5	6.5	0.006	0.009
4mm	4905304	4	1.42	36	0.9	4.1	1.5	6.8	2.1	9.3	2.6	11.6	0.010	0.015
5mm	4905305	5	1.77	45	1.5	6.5	2.4	10.6	3.3	14.6	4.1	18.2	0.016	0.023
6mm	4905306	6	2.13	54	2.1	9.3	3.4	15.3	4.7	21.0	5.9	26.2	0.023	0.034
7mm	4905307	7	2.48	63	2.9	12.7	4.7	20.9	6.4	28.7	8.1	35.8	0.031	0.046
8mm	4905308	8	2.83	72	3.7	16.6	6.1	27.2	8.4	37.3	10.5	46.7	0.040	0.060
9mm	L04G899	9	3.19	81	4.7	21.0	7.7	34.4	10.6	47.2	13.3	59.0	0.051	0.076
10mm	4905310	10	3.54	90	5.8	25.8	9.5	42.3	13.1	58.1	16.3	72.5	0.063	0.093
12mm	4905312	12	4.25	108	8.4	37.3	13.8	61.2	18.9	84.1	23.6	105.1	0.091	0.135
15mm	4905315	15	5.31	135	13.1	58.1	21.5	95.4	29.5	131.1	36.8	163.8	0.141	0.210
18mm	4940091	18	6.38	162	18.8	83.7	30.9	137.5	42.4	188.8	53.0	235.9	0.203	0.303
20mm	4940092	20	7.09	180	23.2	103.4	38.1	169.7	52.4	233.1	65.5	291.2	0.251	0.374

Eagle Red 90

DESCRIPTION
Round, Non-Reinforced

HARDNESS
90A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .60
Steel .50
UHMW .38

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
2mm	4940017		2	0.79	20	1.1	4.7	1.5	6.8	1.9	8.5	2.2	10.0	0.003	0.004
3mm	4940020		3	1.18	30	2.4	10.5	3.4	15.1	4.3	19.0	5.0	22.2	0.006	0.009
4mm	4940021		4	1.57	40	4.2	18.6	6.0	26.8	7.6	33.8	8.9	39.5	0.010	0.015
5mm	L04R9005M		5	1.97	50	6.0	26.5	8.6	38.2	10.8	48.1	12.6	56.2	0.014	0.022
3/16"	4940022	3/16		1.88	48	6.0	26.5	8.6	38.2	10.8	48.1	12.6	56.2	0.014	0.022
1/4"	4940023	1/4	6.3	2.50	64	10.6	47.2	15.3	67.9	19.2	85.5	22.5	100.0	0.026	0.038
7mm	L04R907		7	2.76	70	12.9	57.4	18.6	82.7	23.4	104.1	27.4	121.8	0.031	0.047
8mm	4940024		8	3.15	80	16.8	74.9	24.3	107.9	30.5	135.8	35.7	158.9	0.041	0.061
3/8"	4940025	3/8	9.5	3.75	95	23.9	106.1	34.4	152.9	43.3	192.4	50.6	225.1	0.058	0.086
10mm	L04R9010M		10	3.94	100	26.3	116.9	37.9	168.4	47.6	211.9	55.7	248.0	0.064	0.095
12mm	L04R9012M		12	4.72	120	37.8	168.4	54.5	242.5	68.6	305.2	80.3	357.2	0.092	0.137
1/2"	4940026	1/2	12.7	5.00	127	42.4	188.6	61.1	271.7	76.9	342.0	90.0	400.2	0.103	0.153
9/16"	4940036	9/16		5.63	143	53.7	238.6	77.3	343.8	97.3	432.7	113.8	506.3	0.130	0.194
15mm	4999315		15	5.91	150	59.1	262.9	85.2	378.8	107.2	476.8	125.4	557.9	0.144	0.214

Eagle Red 90

DESCRIPTION
Trapezoidal, Non-Reinforced
Vee

HARDNESS
90A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .60
Steel .50
UHMW .38

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
8mm x 5mm	4940027		8 x 5	2.00	50	10.8	48.1	15.6	69.3	19.6	87.2	22.9	102.0	0.026	0.039
Z/10	4940028		10 x 6.5	2.50	65	16.9	75.2	24.3	108.3	30.6	136.3	35.9	159.5	0.041	0.061
A/13	4940029	1/2 × 5/16	13 x 8	3.13	80	27.0	120.2	38.9	173.1	49.0	217.9	57.3	255.0	0.066	0.098
B/17	4940030	21/32 × 7/16	17 x 11.5	4.50	115	49.3	219.3	71.0	315.9	89.4	397.5	104.6	465.2	0.120	0.178
C/22	4999306	7/8 × 9/16	22 x 14.5	5.75	145	81.1	360.8	116.8	519.7	147.1	654.1	172.1	765.4	0.197	0.293

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Dimensions are for reference only.

Technical Data

Eagle Beige 95

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
95A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
5mm	L04BE955M	5	1.97	50	5.3	23.6	7.5	33.4	9.4	41.8	11.0	48.8	0.016	0.024
8mm	L04BE958	8	3.15	80	13.6	60.5	19.3	85.7	24.1	107.0	28.1	125.1	0.042	0.062
10mm	L04BE9510M	10	3.94	100	21.2	94.5	30.1	133.8	37.6	167.2	43.9	195.5	0.065	0.097
15mm	L04BE9515M	15	5.91	150	47.8	212.5	67.7	301.2	84.6	376.2	98.9	440.0	0.146	0.217

Eagle Beige 95

DESCRIPTION
Trapezoidal,
Non-Reinforced
Vee

HARDNESS
95A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	L04BE95A	1/2 × 5/16	13 × 8	3.10	80	16.6	73.8	24.8	110.3	32.0	142.5	38.4	170.7	0.068	0.101
B/17	L04BE95B	21/32 × 7/16	17 × 11.5	4.50	115	30.4	135.1	45.4	201.9	58.6	260.8	70.2	312.3	0.124	0.184
C/22	L04BE95C	7/8 × 9/16	22 × 14.5	5.70	145	49.9	222.2	74.6	332.0	96.4	428.9	115.5	513.6	0.204	0.303

Eagle Clear 95

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
95A

FDA COMPLIANT MATERIALS
Yes

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
3/32"	4907003	3/32		0.94	24	0.5	2.3	0.8	3.4	1.0	4.3	1.2	5.1	0.004	0.005
1/8"	4907006	1/8		1.25	32	0.9	4.0	1.3	6.0	1.7	7.7	2.1	9.1	0.007	0.010
3/16"	4907009	3/16		1.88	48	2.0	9.1	3.0	13.5	3.9	17.3	4.6	20.6	0.015	0.022
1/4"	4907012	1/4	6.3	2.50	64	3.6	16.1	5.4	24.0	6.9	30.8	8.2	36.6	0.026	0.039
5/16"	4907015	5/16		3.13	79	5.7	25.2	8.4	37.4	10.8	48.1	12.9	57.2	0.041	0.061
3/8"	4907018	3/8	9.5	3.75	95	8.2	36.3	12.1	53.9	15.6	69.3	18.5	82.4	0.059	0.088
1/2"	4907024	1/2	12.7	5.00	127	14.5	64.6	21.6	95.9	27.7	123.1	32.9	146.4	0.105	0.156
9/16"	4907027	9/16		5.63	143	18.4	81.7	27.3	121.3	35.0	155.8	41.7	185.3	0.133	0.197
5/8"	4907030	5/8		6.25	159	22.7	100.9	33.7	149.8	43.2	192.3	51.4	228.7	0.164	0.243
3/4"	4907033	3/4		7.50	191	32.7	145.3	48.5	215.7	62.3	277.0	74.0	329.4	0.236	0.351

Eagle Clear 95

DESCRIPTION
Trapezoidal,
Non-Reinforced
Vee, T-Top, Twin, Lo-Ridge-Top, Hi-Ridge-Top, AA / BB, Ribbed

HARDNESS
95A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
3L	4911063	3/8 × 7/32		2.19	56	4.0	17.9	6.6	29.2	8.8	39.3	10.8	47.9	0.036	0.054
3L T-Top	4911064	9/16 × 19/64		2.50	64	6.6	29.5	10.8	48.1	14.6	64.8	17.7	78.9	0.060	0.089
3L Twin	4911065	15/16 × 17/64		2.50	64	11.1	49.5	18.1	80.6	24.4	108.5	29.7	132.2	0.100	0.149
A/13	4911066	1/2 × 5/16	13 x 8	3.13	79	7.5	33.2	12.2	54.2	16.4	72.9	20.0	88.9	0.067	0.100
A/13 Lo-Ridge-Top	4911067	1/2 × 7/16		3.13	79	8.0	35.4	13.0	57.7	17.5	77.6	21.3	94.6	0.072	0.107
A/13 Hi-Ridge-Top	4911101	1/2 × 5/8		6.25	159	9.8	43.6	16.0	71.0	21.5	95.5	26.2	116.5	0.088	0.131
A Twin	4911068	1-3/16 × 5/16		3.13	80	17.6	78.1	28.6	127.3	38.5	171.3	46.9	208.8	0.158	0.235
AA	4911062	1/2 × 13/32		4.13	105	10.6	47.3	17.3	77.0	23.3	103.7	28.4	126.4	0.096	0.142
B/17	4911069	11/16 × 13/32	17.5 x 10	4.13	105	13.2	58.6	21.5	95.5	28.9	128.6	35.2	156.8	0.119	0.177
BB	4911070	11/16 × 9/16		5.63	143	19.4	86.5	31.7	140.9	42.6	189.6	52.0	231.1	0.175	0.260
C/22	4911072	29/32 × 17/32	23 x 13.5	5.31	135	22.9	102.0	37.4	166.2	50.3	223.7	61.3	272.7	0.206	0.307
D/32 Ribbed	4911077	1-5/16 × 3/4	33.5 x 19	8.50	216	44.5	198.0	72.5	322.6	97.6	434.2	119.0	529.3	0.401	0.596

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** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Technical Data

Eagle White 40D

DESCRIPTION
Polyester, Round, Non-Reinforced

HARDNESS
40D

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +176°F
-30°C to +80°C

Cross Section	Part Number	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
3mm	L04BY403M	3	1.42	36	1.9	8.3	2.9	12.8	3.8	16.8	4.5	20.2	0.006	0.008
4mm	L04BY404	4	1.89	48	3.3	14.8	5.1	22.8	6.7	29.8	8.1	36.0	0.010	0.015
5mm	L04BY405M	5	2.36	60	5.2	23.1	8.0	35.5	10.5	46.6	12.6	56.2	0.015	0.023
6mm	L04BY406M	6	2.83	72	7.5	33.3	11.5	51.2	15.1	67.1	18.2	80.9	0.022	0.033
8mm	L04BY408	8	3.78	96	13.3	59.2	20.5	91.0	26.8	119.3	32.3	143.8	0.040	0.059
10mm	L04BY4010M	10	4.72	120	20.8	92.5	32.0	142.2	41.9	186.5	50.5	224.6	0.062	0.092
12mm	L04BY4012	12	5.67	144	29.9	133.2	46.0	204.7	60.4	268.5	72.7	323.5	0.089	0.132
15mm	L04BY4015	15	7.09	180	46.8	208.1	71.9	319.9	94.3	419.6	113.6	505.4	0.139	0.207
18mm	L04BY4018	18	8.50	216	67.4	299.7	103.6	460.7	135.8	604.2	163.6	727.8	0.200	0.298
20mm	L04BY4020	20	9.45	240	83.2	370.0	127.9	568.7	167.7	745.9	202.0	898.6	0.247	0.368

Eagle White 40D

DESCRIPTION
Polyester, Trapezoidal, Non-Reinforced
Vee

HARDNESS
40D

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +176°F
-30°C to +80°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
8mm x 5mm	L04BY400805		8 x 5	2.36	60	6.0	26.5	10.2	45.3	14.0	62.4	17.3	77.2	0.025	0.037
Z/10	L04BY40Z		10 x 6.5	3.07	78	9.4	41.9	16.1	71.6	22.2	98.7	27.4	122.0	0.039	0.058
A/13	L04BY40A	1/2 × 5/16	13 x 8	3.78	96	15.5	69.1	26.6	118.1	36.6	162.8	45.2	201.2	0.064	0.096
B/17	L04BY40B	21/32 × 7/16	17 x 11	5.20	132	27.6	122.6	47.1	209.5	64.9	288.9	80.3	357.0	0.114	0.170
C/22	L04BY40C	7/8 × 9/16	22 x 14.5	6.85	174	46.8	208.0	79.9	355.4	110.2	490.0	136.1	605.6	0.194	0.288

Eagle Blue 55D

DESCRIPTION
Polyester, Round, Non-Reinforced

HARDNESS
55D

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .50
Steel .40
UHMW .30

TEMPERATURE RANGE
-22°F to +176°F
-30°C to +80°C

Cross Section	Part Number	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
10mm	L04BY5510M	10	5.12	130	39.3	174.6	60.4	268.7	78.5	349.2	93.0	413.8	0.063	0.094
15mm	L04BY5515	15	7.68	195	88.3	392.9	135.9	604.6	176.7	785.8	209.3	931.0	0.142	0.212
18mm	L04BY5518	18	9.21	234	127.2	565.8	195.7	870.6	254.4	1131.6	301.4	1340.7	0.205	0.305

Eagle Blue 55D

DESCRIPTION
Polyester, Trapezoidal, Non-Reinforced
Vee

HARDNESS
55D

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .50
Steel .40
UHMW .30

TEMPERATURE RANGE
-22°F to +176°F
-30°C to +80°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
Z/10	L04BY55Z		10 x 6.5	3.33	85	37.1	165.2	54.6	242.8	68.5	304.8	79.3	352.9	0.041	0.061
A/13	L04BY55A	1/2 × 5/16	13 x 8	4.09	104	60.3	268.3	88.6	394.3	111.3	495.0	128.8	573.1	0.066	0.098
B/17	L04BY55B	21/32 × 7/16	17 x 11.5	5.89	150	110.4	491.0	162.2	721.6	203.6	905.8	235.8	1048.7	0.121	0.180
C/22	L04BY55C	7/8 × 9/16	22 x 14.5	7.42	189	181.5	807.4	266.8	1186.7	334.9	1489.6	387.7	1724.6	0.199	0.296

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Technical Data

Eagle Ivory 85 SGT PU

DESCRIPTION
Trapezoidal, Non-Reinforced with Integrally Bonded Top

Vee – SGT

nominal 4mm
Add 4mm nominal to listed height for total belt height.

HARDNESS
85A with 70A PU Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	493030030M	1/2 × 5/16	13 x 8	3.28	83	11.2	50.0	17.2	76.4	22.5	100.2	27.3	121.4	0.085	0.127
B/17	493040030M	21/32 × 7/16	17 x 11.5	4.28	109	20.6	91.6	31.4	139.8	41.2	183.4	49.9	222.2	0.146	0.218
C/22	493050030M	7/8 × 9/16	22 x 14.5	5.28	134	33.9	150.6	51.7	229.8	67.8	301.7	82.1	365.4	0.227	0.338

Eagle Ivory 85 SGT PVC

DESCRIPTION
Trapezoidal, Non-Reinforced with Integrally Bonded Top

Vee – SGT

nominal 5.5mm
Add 5.5mm nominal to listed height for total belt height.

HARDNESS
85A with 50A PVC Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	L04I85ASG	1/2 × 5/16	13 x 8	3.28	83	11.2	50.0	17.2	76.4	22.5	100.2	27.3	121.4	0.095	0.142
B/17	L04I85BSG	21/32 × 7/16	17 x 11.5	4.28	109	20.6	91.6	31.4	139.8	41.2	183.4	49.9	222.2	0.158	0.235
C/22	L04I85CSG	7/8 × 9/16	22 x 14.5	5.28	134	33.9	150.6	51.7	229.8	67.8	301.7	82.1	365.4	0.245	0.365

Eagle Ivory 85 SGT TPE

DESCRIPTION
Trapezoidal, Non-Reinforced with Integrally Bonded Top

Vee – SGT

nominal 4.5mm
Add 4.5mm nominal to listed height for total belt height.

HARDNESS
85A with 55A TPE Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	493120030M	1/2 × 5/16	13 x 8	3.28	83	11.2	50.0	17.2	76.4	22.5	100.2	27.3	121.4	0.084	0.124
B/17	493130030M	21/32 × 7/16	17 x 11.5	4.28	109	20.6	91.6	31.4	139.8	41.2	183.4	49.9	222.2	0.144	0.215
C/22	493140030M	7/8 × 9/16	22 x 14.5	5.28	134	33.9	150.6	51.7	229.8	67.8	301.7	82.1	365.4	0.224	0.334

Eagle Green 89 SGT PVC

DESCRIPTION
Trapezoidal, Non-Reinforced with Integrally Bonded Top

Vee – SGT

nominal 5.5mm
Add 5.5mm nominal to listed height for total belt height.

HARDNESS
89A with 50A PVC Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .65
Steel .55
UHMW .40

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	L04G89ASG	1/2 × 5/16	13 x 8	3.69	94	20.2	89.8	30.8	137.2	40.4	179.6	48.7	216.6	0.096	0.143
B/17	L04G89BSG	21/32 × 7/16	17 x 11.5	4.82	122	37.0	164.4	56.4	251.1	73.9	328.7	89.1	396.4	0.160	0.238
C/22	L04G89CSG	7/8 × 9/16	22 x 14.5	5.94	151	60.8	270.3	92.8	412.9	121.5	540.5	146.5	651.9	0.248	0.370

Eagle Red 90 SGT PVC

DESCRIPTION
Trapezoidal, Non-Reinforced with Integrally Bonded Top

Vee – SGT

nominal 5.5mm
Add 5.5mm nominal to listed height for total belt height.

HARDNESS
90A with 50A PVC Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .60
Steel .50
UHMW .38

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	L04R90ASG	1/2 × 5/16	13 x 8	3.69	94	27.0	120.2	38.9	173.1	49.0	217.9	57.3	255.0	0.096	0.143
B/17	L04R90BSG	21/32 × 7/16	17 x 11.5	4.82	122	49.3	219.3	71.0	315.9	89.4	397.5	104.6	465.2	0.160	0.238
C/22	L04R90CSG	7/8 × 9/16	22 x 14.5	5.94	151	81.1	360.8	116.8	519.7	147.1	654.1	172.1	765.4	0.248	0.369

Eagle White 40D SGT PVC

DESCRIPTION
Trapezoidal, Non-Reinforced with Integrally Bonded Top

Vee – SGT

nominal 5.5mm
Add 5.5mm nominal to listed height for total belt height.

HARDNESS
40D with 50A PVC Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	L04BY40ASG	1/2 × 5/16	13 x 8	5.34	136	15.5	69.1	26.6	118.1	36.6	162.8	45.2	201.2	0.095	0.141
B/17	L04BY40BSG	21/32 × 7/16	17 x 11	6.96	177	27.6	122.6	47.1	209.5	64.9	288.9	80.3	357.0	0.154	0.229
C/22	L04BY40CSG	7/8 × 9/16	22 x 14.5	8.59	218	46.8	208.0	79.9	355.4	110.2	490.0	136.1	605.6	0.240	0.358

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Technical Data

Eagle Opaque 80 R

DESCRIPTION
Round, Reinforced

HARDNESS
80A

FDA COMPLIANT
No

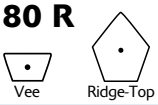
COEFFICIENT OF FRICTION
Stainless Steel .75
Steel .65
UHMW .50

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
8mm	L04OP808MR	8	3.15	80	4.3	19.2	10.7	47.6	15.4	68.4	19.0	84.6	0.042	0.063
10mm	L04OP8010MR	10	3.94	100	6.7	29.9	16.7	74.4	24.0	106.9	29.7	132.2	0.064	0.096
15mm	L04OP8015MR	15	5.91	150	15.1	67.4	37.6	167.5	54.1	240.5	66.9	297.4	0.145	0.216

Eagle Opaque 80 R

DESCRIPTION
Trapezoidal, Reinforced



HARDNESS
85A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .75
Steel .65
UHMW .50

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	L04OP80AR	1/2 × 5/16	13 x 8	3.15	80	5.9	26.3	16.0	71.1	24.0	106.9	29.4	130.7	0.066	0.099
A/13 Ridge-Top	L04OP80ARXH		13 x 16	6.30	160	9.8	43.6	26.5	117.9	39.8	177.2	48.7	216.7	0.110	0.163
B/17	L04OP80BR	21/32 × 7/16	17 x 11.5	4.53	115	11.0	48.8	29.7	132.0	44.6	198.4	54.5	242.6	0.123	0.183
B/17 Ridge-Top	L04OP80BRXH		17 x 19.5	7.68	195	15.9	70.9	43.1	191.8	64.8	288.4	79.3	352.6	0.179	0.266

Eagle Hyfen 85 R

DESCRIPTION
Round, Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

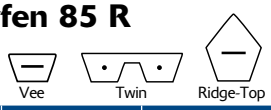
COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
3/16"	5218009	3/16		2.06	52	2.8	12.5	6.8	30.2	11.2	49.8	15.5	68.9	0.014	0.021
1/4"	5218012	1/4	6.3	2.75	70	3.7	16.5	12.4	55.2	20.0	89.0	27.8	123.7	0.026	0.038
5/16"	5218015	5/16		3.44	87	3.7	16.5	12.4	55.2	20.0	89.0	27.8	123.7	0.040	0.059
3/8"	5218018	3/8	9.5	4.13	105	7.3	32.5	26.2	116.5	43.5	193.5	57.4	255.3	0.057	0.086
1/2"	5218024	1/2	12.7	5.50	140	7.3	32.5	26.2	116.5	43.5	193.5	57.4	255.3	0.102	0.152
9/16"	5218027	9/16		6.19	157	16.7	74.3	36.6	162.8	58.0	258.0	75.8	337.2	0.129	0.192
5/8"	5218030	5/8		6.88	175	16.7	74.3	36.6	162.8	58.0	258.0	75.8	337.2	0.160	0.238
3/4"	5218033	3/4		8.25	210	16.7	74.3	36.6	162.8	58.0	258.0	75.8	337.2	0.230	0.342

Eagle Hyfen 85 R

DESCRIPTION
Trapezoidal, Reinforced



HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
3L Twin	5299010	15/16 × 17/64	2.92	74	15.5	68.8	21.8	96.8	28.4	126.4	34.7	154.4	0.095	0.142
A Ridge-Top	5299007	1/2 × 9/16	6.19	157	17.4	77.4	25.1	111.5	33.8	150.2	42.8	190.2	0.100	0.148
A Twin	5299019	1-3/16 × 5/16	3.44	87	45.5	202.2	34.4	153.2	44.9	199.9	54.9	244.2	0.151	0.224
B Ridge-Top	5299009	21/32 × 11/16	7.56	192	25.7	114.4	37.0	164.6	49.9	221.7	63.2	280.9	0.161	0.239

Eagle Hyfen 85 CXF

DESCRIPTION
Trapezoidal, Reinforced

nominal 2.5mm
Add 2.5mm nominal to listed height for total belt height.

HARDNESS
85A with 60A Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
A	5260520	1/2 × 13/32	4.53	115	17.4	77.4	25.1	111.5	33.8	150.2	42.8	190.2	0.103	0.153
A Twin	5260572	1-3/16 × 5/16	4.53	115	45.5	202.2	34.4	153.2	44.9	199.9	54.9	244.2	0.203	0.302
B	5260530	21/32 × 13/32	5.89	150	25.7	114.4	37.0	164.6	49.9	221.7	63.2	280.9	0.141	0.210
C	5260540	7/8 × 17/32	7.70	196	38.0	169.1	54.7	243.4	73.7	327.9	93.4	415.4	0.241	0.358
D	5260550	1-1/4 × 3/4	10.88	276	77.1	343.0	111.0	493.6	149.5	665.0	189.4	842.4	0.448	0.667

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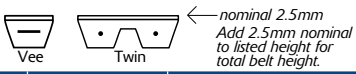
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Technical Data

Eagle Hyfen 85 CXR

DESCRIPTION
Trapezoidal, Reinforced



HARDNESS
85A with 60A Top

FDA COMPLIANT
No

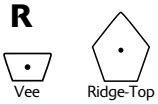
COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
A	5260525	1/2 × 13/32	4.53	115	17.4	77.4	25.1	111.5	33.8	150.2	42.8	190.2	0.088	0.131
A Twin	5260577	1-3/16 × 5/16	4.53	115	45.5	202.2	34.4	153.2	44.9	199.9	54.9	244.2	0.174	0.259
B	5260535	21/32 × 13/32	5.89	150	25.7	114.4	37.0	164.6	49.9	221.7	63.2	280.9	0.122	0.181
C	5260545	7/8 × 17/32	7.70	196	38.0	169.1	54.7	243.4	73.7	327.9	93.4	415.4	0.215	0.320
D	5260555	1-1/4 × 3/4	10.88	276	77.1	343.0	111.0	493.6	149.5	665.0	189.4	842.4	0.412	0.612

Eagle Ivory 85 R

DESCRIPTION
Trapezoidal, Reinforced



HARDNESS
85A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
Z/10	L04I85ZR		10 x 6.5	2.56	65	3.1	13.7	9.3	41.3	14.8	65.7	18.8	83.8	0.040	0.060
A/13	L04I85AR	1/2 × 5/16	13 x 8	3.15	80	4.9	21.9	14.8	66.0	23.6	105.1	30.1	134.1	0.065	0.096
A/13 Ridge-Top	L04I85ARXH		13 x 16	6.30	160	8.2	36.3	24.6	109.6	39.2	174.4	50.0	222.5	0.107	0.159
B/17	L04I85BR	21/32 × 7/16	17 x 11.5	4.53	115	9.0	39.9	27.1	120.5	43.1	191.9	55.0	244.8	0.118	0.175
B/17 Ridge-Top	L04I85BRXH		17 x 19.5	7.68	195	13.3	59.0	40.1	178.3	63.8	283.8	81.4	362.0	0.174	0.259
C/22	L04I85CR	7/8 × 9/16	22 x 14.5	5.71	145	14.8	65.7	44.6	198.3	71.0	315.7	90.5	402.7	0.194	0.289
C/22 Ridge-Top	5299103		22 x 24.5	9.65	245	21.7	96.6	65.6	291.7	104.4	464.3	133.2	592.4	0.285	0.424
C/22 Ridge-Top	L04I85CRXH		22 x 28.5	11.22	285	24.4	108.5	73.7	327.7	117.3	521.6	149.6	665.4	0.320	0.477

Eagle Orange 85 R

DESCRIPTION
Round, Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
6mm	L04OG856MR		6	2.36	60	0.7	3.2	2.5	11.0	4.8	21.5	6.9	30.8	0.023	0.034
1/4"	4940058	1/4	6.3	2.50	64	0.8	3.6	2.8	12.3	5.4	24.1	7.8	34.6	0.026	0.038
5/16"	4940059	5/16		3.13	79	1.3	5.6	4.3	19.3	8.5	37.6	12.1	54.0	0.040	0.059
8mm	L04OG858R		8	3.15	80	1.3	5.7	4.4	19.6	8.6	38.2	12.3	54.8	0.041	0.060
3/8"	4940060	3/8	9.5	3.75	95	1.8	8.0	6.2	27.8	12.2	54.2	17.5	77.8	0.057	0.086
10mm	L04OG8510MR		10	3.94	100	2.0	8.8	6.9	30.6	13.4	59.7	19.3	85.7	0.063	0.094
12mm	L04OG8512R		12	4.72	120	2.9	12.7	9.9	44.1	19.3	85.9	27.7	123.4	0.091	0.136
1/2"	4940061	1/2	12.7	5.00	127	3.2	14.2	11.1	49.4	21.6	96.3	31.1	138.3	0.102	0.152
9/16"	4940062	9/16		5.63	143	4.1	18.0	14.0	62.5	27.4	121.8	39.3	174.9	0.129	0.192
15mm	L04OG8515MR		15	5.91	150	4.5	19.9	15.5	68.9	30.2	134.3	43.3	192.8	0.142	0.212
5/8"	4940063	5/8		6.25	159	5.0	22.3	17.3	77.1	33.8	150.4	48.6	216.0	0.160	0.238
3/4"	4940064	3/4		7.50	191	7.2	32.1	25.0	111.1	48.7	216.6	69.9	311.0	0.230	0.342
20mm	L04OG8520R		20	7.87	200	7.9	35.3	27.5	122.4	53.7	238.7	77.1	342.7	0.253	0.377

Eagle Orange 85 R

DESCRIPTION
Trapezoidal, Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
Z/10	4940065		10 x 6.5	2.38	65	2.4	10.7	5.7	25.3	9.1	40.4	12.0	53.3	0.040	0.060
A/13	4940066	1/2 × 5/16	13 x 8	3.13	80	3.9	17.3	9.3	41.2	14.8	65.8	19.5	86.6	0.065	0.097
B/17	4940067	21/32 × 7/16	17 x 11.5	4.38	115	7.1	31.6	16.9	75.2	27.0	120.0	35.5	158.0	0.119	0.177
C/22	4940068	7/8 × 9/16	22 x 14.5	5.62	145	11.7	52.0	27.8	123.7	44.4	197.4	58.4	260.0	0.196	0.291

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Eagle Green 89 R

DESCRIPTION
Round, Reinforced

HARDNESS
89A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .65
Steel .55
UHMW .40

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
5mm	L04G895MRS	5	1.97	50	1.7	7.4	5.0	22.2	10.2	45.4	15.7	70.1	0.016	0.023
6mm	L04G896MSR	6	2.36	60	2.4	10.6	7.2	32.0	14.7	65.5	22.7	100.9	0.023	0.034
7mm	L04G897MRS	7	2.76	70	3.3	14.5	9.8	43.5	20.1	89.2	30.9	137.6	0.031	0.046
8mm	L04G898MRS	8	3.15	80	4.3	18.9	12.8	56.8	26.2	116.4	40.4	179.5	0.040	0.060
9mm	L04G899MRS	9	3.54	90	5.4	23.9	16.2	71.9	33.1	147.4	51.1	227.2	0.051	0.076
10mm	L04G8910MRS	10	3.94	100	6.6	29.5	20.0	88.8	40.9	181.9	63.1	280.5	0.063	0.093
12mm	L04G8912MRS	12	4.72	120	9.6	42.6	28.8	127.9	58.9	262.0	90.8	404.0	0.090	0.135
15mm	L04G8915MRS	15	5.91	150	15.0	66.5	44.9	199.9	92.0	409.3	141.9	631.2	0.141	0.210
18mm	L04G8918MRS	18	7.09	180	21.5	95.8	64.7	287.8	132.5	589.4	204.3	908.8	0.203	0.303

Eagle Green 89 R

DESCRIPTION
Trapezoidal, Reinforced

Vee

Ridge-Top

HARDNESS
89A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .65
Steel .55
UHMW .40

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	L04G89AR	13 x 8	3.15	80	3.8	16.8	14.3	63.5	53.9	239.9	88.7	394.8	0.065	0.096
A/13 Ridge-Top	L04G89ARXH	13 x 16	6.30	160	6.3	27.9	23.7	105.3	89.4	397.8	147.2	654.6	0.107	0.159
B/17	4940127	17 x 11.5	4.53	115	7.0	31.2	26.5	117.9	100.1	445.3	164.7	732.8	0.120	0.178
B/17 Ridge-Top	L04G89BRXH	17 x 19.5	7.68	195	10.2	45.4	38.5	171.4	145.5	647.3	239.5	1065.1	0.174	0.259
C/22	L04G89CR	22 x 14.5	5.71	145	11.5	51.3	43.6	193.9	164.6	732.4	270.9	1205.1	0.197	0.293
C/22 Ridge-Top	4999524	22 x 24.5	9.65	245	16.2	72.3	61.4	273.1	231.8	1031.3	381.5	1697.0	0.278	0.413
C/22 Ridge-Top	L04G89CRXH	22 x 28.5	11.22	285	18.7	83.4	70.8	315.1	267.5	1189.8	440.1	1957.8	0.320	0.477

Eagle Green 89 RT

DESCRIPTION
Round, Textured, Reinforced

HARDNESS
89A

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .50
Steel .40
UHMW .30

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
5mm	4940056	5	1.97	50	2.3	10.2	6.9	30.5	14.0	62.5	21.7	96.3	0.016	0.023
6mm	4940057	6	2.36	60	3.3	14.6	9.9	43.9	20.2	90.0	31.2	138.8	0.023	0.034
7mm	4940050	7	2.76	70	4.5	19.9	13.5	59.9	27.6	122.7	42.5	189.2	0.031	0.046
8mm	4940051	8	3.15	80	5.8	26.0	17.6	78.2	36.0	160.1	55.5	246.8	0.040	0.060
10mm	4940052	10	3.94	100	9.1	40.6	27.5	122.1	56.2	250.1	86.7	385.6	0.063	0.093
12mm	4940053	12	4.72	120	13.2	58.5	39.5	175.9	81.0	360.2	124.9	555.4	0.090	0.135
15mm	4940054	15	5.91	150	20.6	91.5	61.8	274.8	126.5	562.8	195.1	867.9	0.141	0.210
18mm	4940055	18	7.09	180	29.6	131.7	89.0	395.7	182.2	810.5	280.9	1249.7	0.203	0.303

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Technical Data

Eagle Beige 95 R

DESCRIPTION
Round,
Reinforced

HARDNESS
95A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
8mm	L04BE958R	8	3.78	96	3.8	16.9	7.0	31.1	10.4	46.3	13.6	60.5	0.042	0.062
10mm	L04BE9510R	10	4.72	120	6.0	26.7	11.0	48.9	16.2	72.1	21.2	94.3	0.065	0.097
15mm	L04BE9515R	15	7.09	180	13.5	60.1	24.7	109.9	36.5	162.4	47.8	212.6	0.146	0.217

Eagle Beige 95 R

DESCRIPTION
Trapezoidal,
Reinforced
Vee

HARDNESS
95A

FDA COMPLIANT
Yes†

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
3L	4940070	3/8 × 7/32		2.63	67	11.4	50.5	26.5	117.9	38.9	172.9	47.8	212.8	0.036	0.054
3L Cogged†	4940078	3/8 × 7/32		2.63	67	11.4	50.5	26.5	117.9	38.9	172.9	47.8	212.8	0.036	0.054
Z/10	4940074		10 x 6.5	3.07	78	13.1	58.2	30.5	135.8	44.8	199.1	55.1	245.0	0.042	0.062
A/13	4940075	1/2 × 5/16	13 x 8	3.78	96	20.9	93.0	48.8	217.1	71.6	318.4	88.1	391.7	0.067	0.099
A/13 Cogged†	4940071	1/2 × 5/16	13 x 8	3.78	96	20.9	93.0	48.8	217.1	71.6	318.4	88.1	391.7	0.067	0.099
B/17	4940076	21/32 × 7/16	17 x 11.5	5.43	138	38.8	172.7	90.6	403.0	132.9	591.0	163.5	727.2	0.124	0.184
B/17 Cogged†	4940072	21/32 × 7/16	17 x 11.5	5.43	138	38.8	172.7	90.6	403.0	132.9	591.0	163.5	727.2	0.124	0.184
C/22	4940077	7/8 × 9/16	22 x 14.5	6.85	174	63.8	284.0	149.0	662.7	218.5	971.9	268.8	1195.9	0.204	0.303
C/22 Cogged†	4940073	7/8 × 9/16	22 x 14.5	6.85	174	63.8	284.0	149.0	662.7	218.5	971.9	268.8	1195.9	0.204	0.303

Eagle Hyfen 95 R

DESCRIPTION
Trapezoidal,
Reinforced
Vee

HARDNESS
95A

FDA COMPLIANT
Yes†

COEFFICIENT OF FRICTION
Stainless Steel .55
Steel .45
UHMW .35

TEMPERATURE RANGE
-22°F to +150°F
-30°C to +66°C

Cross Section	Part Number	Dimensions w × h* (in)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
A	5260200	1/2 × 3/8	3.75	95	18.3	81.3	26.6	118.2	34.1	151.8	41.3	183.6	0.077	0.114
A Cogged†	5220000	1/2 × 3/8	2.75	70	18.3	81.3	26.6	118.2	34.1	151.8	41.3	183.6	0.077	0.114
B	5260300	21/32 × 1/2	5.00	127	26.9	119.6	39.1	173.8	50.2	223.3	60.7	270.1	0.131	0.196
B Cogged†	5230000	21/32 × 1/2	4.00	102	26.9	119.6	39.1	173.8	50.2	223.3	60.7	270.1	0.131	0.196
C	5260400	7/8 × 5/8	6.25	159	39.8	177.2	57.9	257.6	74.4	330.8	90.0	400.3	0.226	0.337
C Cogged†	5240000	7/8 × 5/8	5.25	133	39.8	177.2	57.9	257.6	74.4	330.8	90.0	400.3	0.226	0.337

For technical assistance and drive design help, contact Applications Engineering at ae@fennerdrives.com.
** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.
† Cogged Belting is not FDA Compliant.

Technical Data

Eagle Ivory 85 RSGT PU

DESCRIPTION
Trapezoidal, Reinforced with Integrally Bonded Top

Vee – SGT

nominal 4mm (.160" ± .010) Add 4mm nominal to listed height for total belt height.

HARDNESS
85A with 70A PU Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22ºF to +150ºF
-30ºC to +66ºC

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	493060030M	1/2 × 5/16	13 x 8	4.11	104	4.9	21.9	14.8	66.0	23.6	105.1	30.1	134.1	0.085	0.127
B/17	493020030M	21/32 × 7/16	17 x 11.5	5.36	136	9.0	39.9	27.1	120.5	43.1	191.9	55.0	244.8	0.146	0.218
C/22	493070030M	7/8 × 9/16	22 x 14.5	6.61	168	14.8	65.8	44.6	198.3	71.0	315.7	90.5	402.7	0.227	0.338

Eagle Ivory 85 RSGT PVC

DESCRIPTION
Trapezoidal, Reinforced with Integrally Bonded Top

Vee – SGT

nominal 5.5mm Add 5.5mm nominal to listed height for total belt height.

HARDNESS
85A with 50A PVC Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22ºF to +150ºF
-30ºC to +66ºC

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	L04I85ARSG	1/2 × 5/16	13 x 8	4.11	104	4.9	21.9	14.8	66.0	23.6	105.1	30.1	134.1	0.095	0.142
B/17	L04I85BRSG	21/32 × 7/16	17 x 11.5	5.36	136	9.0	39.9	27.1	120.5	43.1	191.9	55.0	244.8	0.158	0.235
C/22	L04I85CRSG	7/8 × 9/16	22 x 14.5	6.61	168	14.8	65.8	44.6	198.3	71.0	315.7	90.5	402.7	0.245	0.365

Eagle Ivory 85 RSGT TPE

DESCRIPTION
Trapezoidal, Reinforced with Integrally Bonded Top

Vee – SGT

nominal 4.5mm (.171" ± .015) Add 4.5mm nominal to listed height for total belt height.

HARDNESS
85A with 55A TPE Top

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22ºF to +150ºF
-30ºC to +66ºC

Cross Section	Part Number	Dimensions w × h* (in)	Dimensions w × h* (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
A/13	493150030M	1/2 × 5/16	13 x 8	4.11	104	4.9	21.9	14.8	66.0	23.6	105.1	30.1	134.1	0.084	0.124
B/17	493160030M	21/32 × 7/16	17 x 11.5	5.36	136	9.0	39.9	27.1	120.5	43.1	191.9	55.0	244.8	0.144	0.215
C/22	493170030M	7/8 × 9/16	22 x 14.5	6.61	168	14.8	65.8	44.6	198.3	71.0	315.7	90.5	402.7	0.224	0.334

Eagle Can Cable

DESCRIPTION
Round, Reinforced

MATERIAL
Polyester; Red is an Engineered Polymer

HARDNESS
See Chart

FDA COMPLIANT
No

COEFFICIENT OF FRICTION
Stainless Steel .50
Steel .40
UHMW .30

TEMPERATURE RANGE (RED ONLY)
-22ºF to +150ºF
-30ºC to +66ºC

TEMPERATURE RANGE (ALL OTHERS)
-22ºF to +176ºF
-30ºC to +80ºC

Product	Part Number	Durometer Hardness	Dimension Ø	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 1% (lbs)	1% (N)	2% (lbs)	2% (N)	3% (lbs)	3% (N)	4% (lbs)	4% (N)	Wt/ft (lbs)	Wt/m (kg)
Red 50D CC LCF	4816020	50D	3/8"	10	254	23.8	105.9	57.8	257.2	104.3	463.8	152.3	677.2	0.058	0.087
Blue 55D CC	4816019	55D	3/8"	12	305	18.1	80.4	42.9	190.6	79.4	353.1	118.4	526.5	0.057	0.086
Blue 55D Aramid CC	4899012	55D	9.5mm	12	305	41.7	185.5	149.1	663.2	281.1	1250.4	—	—	0.057	0.086
Natural 55D CC	4816018	55D	3/8"	12	305	18.1	80.4	42.9	190.6	79.4	353.1	118.4	526.5	0.057	0.086
Green 63D CC	4817018	63D	3/8"	12	305	18.1	80.4	42.9	190.6	79.4	353.1	118.4	526.5	0.058	0.087
Natural 63D CC	4899006	63D	3/8"	12	305	18.1	80.4	42.9	190.6	79.4	353.1	118.4	526.5	0.058	0.087

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** w (width) is the widest part of the belt. h (height) is the tallest part of the belt, NOT including the belting top surface.*
Dimensions are for reference only.

Engineering Data — Imperial Pulley Sections

V-Belts

Eagle® V-belts in "classical" A, B, C, D and light duty 3L cross sections are designed to fit RMA compliant pulleys as per the groove details illustrated in Figure 1.

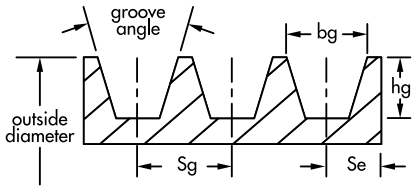

Figure 1

Cross Section	Datum Diameter Range	Groove Angle	b_g (in.)	$h_{g\ Min}$ (in.)	S_g (in.)	S_e (in.)
A/13	Up thru 5.4"	34° ±0.33°	.494 ±.005	.460	.625 ± .025	.375 +.090 −.062
	Over 5.4"	38° ±0.33°	.504			
B/17	Up thru 7.0"	34° ±0.33°	.637 ±.006	.550	.750 ± .025	.500 +.120 −.065
	Over 7.0"	38° ±0.33°	.650			
C/22	Up thru 7.99"	34° ±0.33°	.879	.750	1.000 ± .025	.688 +.160 −.070
	8.0" thru12.0"	36° ±0.33°	.887 ±.007			
	Over 12.0"	38° ±0.33°	.895			
D/32	Up thru 12.99"	34° ±0.33°	1.259	1.020	1.438 ± .025	.875 +.220 −.080
	13.0" thru 17.0"	36° ±0.33°	1.271 ±.008			
	Over 17.0"	38° ±0.33°	1.283			
3L	2.2" thru 3.1"	34° ±0.33°	.364 ±.005	.406	.500 ± .025	.313 +.062 −.032
	3.2" thru 4.2"	36° ±0.33°				
	Over 4.2"	38° ±0.33°				

Dimensions in inches unless otherwise indicated.

Round Belts

Eagle round belts are commonly run in pulleys with a round groove; see Figure 2a. In the absence of round groove pulleys, they can also be used in V-groove pulleys (Figure 2b). The table at right shows the dimensional data for a round belt used in a V-groove pulley.

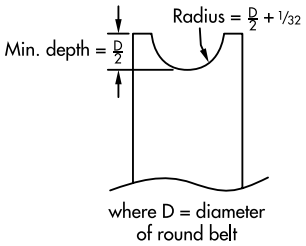

Figure 2a

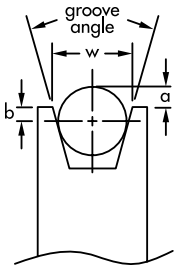

Figure 2b

Pulley Size	Pulley Diameter (inches)	Groove Angle	Round Belt	Dimensions w	Dimensions a	Dimensions b
2L	Under 1.50"	32°	3/16"	.240	.010	.084
2L	1.50" to 1.99" O.D.	34°	3/16"	.243	.016	.078
			1/4"	.243	.153	–.028
2L	2.00" to 2.50" O.D.	36°	3/16"	.246	.020	.074
			1/4"	.246	.151	–.026
2L	Over 2.50" O.D.	38°	3/16"	.250	.020	.074
			1/4"	.250	.146	–.021
3L	Under 2.20" O.D.	32°	1/4"	.360	–.049	.174
			5/16"	.360	.094	.062
3L	2.20" to 3.19" O.D.	34°	1/4"	.364	–.043	.168
			5/16"	.364	.094	.062
3L	3.20" to 4.20" O.D.	36°	1/4"	.368	–.037	.062
			5/16"	.368	.095	.061
3L	Over 4.20" O.D.	38°	1/4"	.372	–.031	.156
			5/16"	.372	.095	.061
A/13	2.60" to 5.40" D.D.	34°	5/16"	.494	–.118	.274
			3/8"	.494	.019	.168
			1/2"	.494	.297	–.047
A/13	Over 5.40" D.D.	38°	5/16"	.504	–.097	.253
			3/8"	.504	.030	.157
			1/2"	.504	.286	.036
B/17	4.60" to 7.00" D.D.	34°	1/2"	.637	.062	.188
			9/16"	.637	.199	.082
			5/8"	.637	.340	–.027
B/17	Over 7.00" D.D.	38°	1/2"	.650	.074	.176
			9/16"	.650	.200	.081
			5/8"	.650	.331	–.018
C/22	7.00" to 7.99" D.D.	34°	5/8"	.879	–.056	.369
			3/4"	.879	.218	.157
C/22	8.00" to 12.00" D.D.	36°	5/8"	.887	–.041	.354
			3/4"	.887	.222	.153
C/22	Over 12.00" D.D.	38°	5/8"	.895	–.027	.340
			3/4"	.895	.226	.149

Note: above dimensions are belt fit in groove under no tension.
Dimensions in inches unless otherwise indicated.

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. Figure 3a illustrates a round crown and is the preferred method. A modified round crown as illustrated in Figure 3b is also acceptable. A flat pulley with guide flanges (Figure 3c) is not recommended. Even with the guide flanges the belt will move laterally and potentially could climb up onto them.

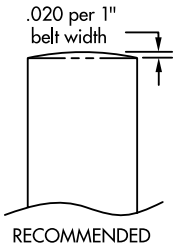

Figure 3a

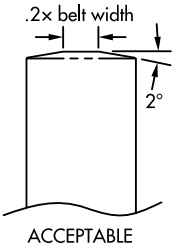

Figure 3b

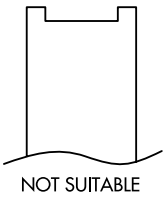

Figure 3c

Engineering Data — Metric Pulley Sections

V-Belts

Eagle® V-belts in "classical" Z/10, A/13, B/17, C/22 and D/32 cross sections are designed to fit ISO and DIN 2215 compliant pulleys as per the groove details illustrated in Figure 1.

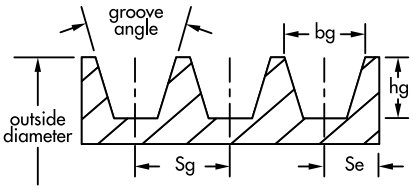

Figure 1

Cross Section	Datum Diameter Range	Groove Angle	b_g (mm)	$h_{g\,Min}$ (mm)	S_g (mm)	S_e (mm)
Z/10	Up thru 80mm Over 80mm	34° ±1° 38° ±1°	9.7	11	12 ±0.3	8 ±0.6
A/13	Up thru 118mm Over 118mm	34° ±1° 38° ±1°	12.7	14	15 ±0.3	10 ±0.6
B/17	Up thru 190mm Over 190mm	34° ±1° 38° ±1°	16.3	18	19 ±0.4	12.5 ±0.8
C/22	Up thru 315mm Over 315mm	34° ±1° 38° ±30′	22	24	25.5 ±0.5	17 ±1.0
D/32	Up thru 500mm Over 500mm	36° ±30′ 38° ±30′	32	28	37 ±0.6	24 ±2.0

Dimensions in millimetres unless otherwise indicated.

Round Belts

Eagle round belts are commonly run in pulleys with a round groove; see Figure 2a. In the absence of round groove pulleys, they can also be used in V-groove pulleys (Figure 2b). The table at right shows the dimensional data for a round belt used in a V-groove pulley.

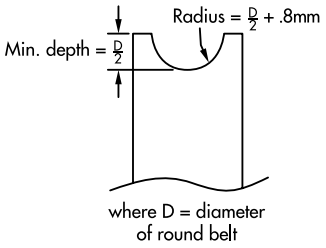

Figure 2a

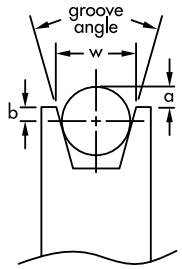

Figure 2b

Pulley Size	Pulley Diameter O.D. (mm)	Groove Angle	Round Belt	Dimensions		
				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 unless otherwise indicated.

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. Figure 3a illustrates a round crown and is the preferred method. A modified round crown as illustrated in Figure 3b is also acceptable. A flat pulley with guide flanges (Figure 3c) is not recommended. Even with the guide flanges the belt will move laterally and potentially could climb up onto them.

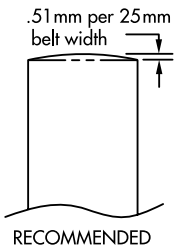

Figure 3a

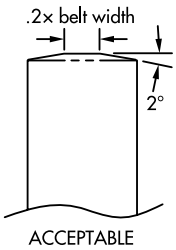

Figure 3b

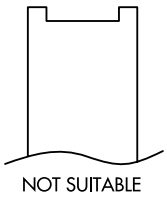

Figure 3c

Belt Installation Tension

All belts require a certain amount of tension to function properly in the application. The specific installation tension is determined from several factors including belt type, construction and working load. Belt details are in the Technical Data section of this catalog and working load is derived from your application.

Non-Reinforced Belting: When non-reinforced belting is stretched and released, elasticity is the property 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 continues to lose elasticity over its life span. This loss in elasticity is evident as tension decay. To overcome tension decay effects, a non-reinforced belt requires a relatively high install tension. Installation tensions ranging from 6% to 10% will normally be sufficient for most applications. If higher tensions are required, the application may exceed the belt's load capacity.

Reinforced Belting: Reinforced belts contain a reinforcing tensile member which increases the belt's modulus of elasticity. This reduces the belt's ability to stretch and minimizes tension decay. This allows a reinforced belt to carry a greater load than a non-reinforced belt. Since an endless reinforced belt is essentially a fixed length, it cannot be stretched on like a non-reinforced belt. Consequently, reinforced belts require a mechanical take-up mechanism to apply the appropriate installation tension as well as accommodating any eventual small amount of tension decay that may occur. This mechanism should accommodate at least 4% of the belt's length.

Belt Installation Length

In this section, we will refer to two different lengths that are defined as follows:

1. Reference Length: The length determined by taking a measuring tape and following the path of the belt around all of the pulleys, or through computer aided design (CAD) techniques. This length may also be obtained from the equation below. Take up mechanisms should be adjusted to the minimum position to allow for maximum adjustment of the belt prior to taking or calculating length. Note: this equation applies to two-pulley drives only.

$$L = 2C + \frac{\pi}{2}(D + d) + \frac{(D - d)^2}{4C}$$

where:
- L = reference length
- C = centre of pulley shaft to centre of pulley shaft distance
- D = pitch diameter of large pulley
- d = pitch diameter of small pulley

2. Cut Length: The length the belt is cut to prior to welding.

Apply the following formulas to determine the Cut Length from Reference Length:

Butt weld non-reinforced: *Cut Length = Reference Length ÷ (1 + % tension)* Example: Reference Length for a non-reinforced belt is 44" (1120mm), requires 8% tension and will be butt welded. Cut Length is calculated on right.	Cut Length = 44" ÷ (1 + 8%) = 44" ÷ 1.08 = 40.7"	Cut Length = 1120mm ÷ (1 + 8%) = 1120mm ÷ 1.08 = 1037mm
Overlap weld reinforced: *Cut Length = Reference Length + 1.5" (38mm)* Example: Reference Length for a reinforced belt is 44" (1120mm) and will be overlap welded. The overlap weld consumes 1.5" (38mm) of belt length. Cut Length is calculated on right.	Cut Length = 44" + 1.5" = 45.5"	Cut Length = 1120mm + 38mm = 1158mm
Butt weld reinforced: *Cut Length = Reference Length* Example: Reference Length for a reinforced belt is 44" (1120mm) and will be butt welded. The weld consumes a negligible amount of belt length, consequently, Cut Length and Reference Length are the same. Cut Length is calculated on right.	Cut Length = 44"	Cut Length = 1120mm

Temperature

The temperature range of polyurethane belting is determined by the thermoplastic resin. Like all thermoplastic resins its physical properties change with changes in temperature. At higher temperatures the material will soften, lose strength and can elongate excessively to the point of premature failure. At lower temperatures the material will become more brittle and stiff which can result in cracking. The temperature ranges are for guidance and listed under each individual belt type in the Technical Data section.

Minimum Pulley Diameter

The most common serious mistake in designing belt drives is the selection of a pulley diameter that is too small. In most cases, 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 tensile member. Listed under each individual belt type in the Technical Data section is the recommended minimum pulley diameter. Smaller diameters can be used only if a reduction in belt service life is acceptable.

Belt Profile Tolerances

Round Belts:

Up to and including 3/16" (5mm) diameter:	± .005" (± 0.13mm)
Over 3/16" (5mm) up to and including 1/4" (7mm) diameter:	± .007" (± 0.18mm)
Over 1/4" (7mm) up to and including 9/16" (15mm) diameter:	± .010" (± 0.25mm)
Over 9/16" (15mm) up to and including 5/8" (18mm) diameter:	± .012" (± 0.30mm)
Over 5/8" (18mm) diameter:	± .015" (± 0.38mm)

Flat and V-Belts:

All profiles:	± .015" (± 0.38mm)

If tighter tolerances are required, consult Fenner Drives Applications Engineering Group with your requirements.

Engineering Data — Selection Procedure, Conveying

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 μ):

   a. Horizontal Transport with Slider Bed

   $T_e = W_t \times \mu + B_{wt}$

   b. Horizontal Transport with Slider Bed and Product Accumulation

   $T_e = W_t \times \mu + B_{wt} + A_{wt}$

   c. Incline or Decline Transport with Slider Bed

   $T_e = \frac{W_t}{C} \times (H_t + \mu \times \sqrt{C^2 + H_t^2}) + B_{wt}$

   d. Incline or Decline Transport with Slider Bed and Product Accumulation

   $T_e = \frac{W_t}{C} \times (H_t + \mu \times \sqrt{C^2 + H_t^2}) + B_{wt} + A_{wt}$

   Where:

   T_e = Effective Tension
   W_t = Total Weight on Conveyor
   C = Conveyor Centre Distance
   B_{wt} = Belt weight/unit length × C
   A_{wt} = Accumulating weight × μ´
   (where μ´ is the COF between belt and product)
   H_t = Incline or decline height
   μ = COF on slider bed material from chart

3. Determine Tight Tension (T_1).
   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 maximum % tension. If only one belt is desired, T_1 may not be greater than the Working Load at maximum % tension. If more than one belt is required, divide T_1 by the Working Load at maximum % 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.

To determine the required belt length, please refer to the "Belt Installation Length" section on the previous page.

Engineering Data — Selection Example

Eagle Orange 85

DESCRIPTION
Round,
Non-Reinforced

HARDNESS
85A

FDA COMPLIANT
Yes

COEFFICIENT OF FRICTION
Stainless Steel .70
Steel .60
UHMW .45

TEMPERATURE RANGE
-22ºF to +150ºF
-30ºC to +66ºC

Cross Section	Part Number	Dimensions Ø (in)	Dimensions Ø (mm)	Minimum Pulley Ø (in)	Minimum Pulley Ø (mm)	Working Load @ Percent Tension 4% (lbs)	4% (N)	6% (lbs)	6% (N)	8% (lbs)	8% (N)	10% (lbs)	10% (N)	Wt/ft (lbs)	Wt/m (kg)
6mm	L04OG856M		6	1.89	48	1.7	7.7	2.7	11.8	3.5	15.8	4.4	19.4	0.023	0.034
¼"	1032008	¼	6.3	2.00	51	1.9	8.6	3.0	13.3	4.0	17.7	4.9	21.9	0.026	0.038

Example 1

Type of belt being considered = Eagle Orange 85 in ¼" round
Head-to-tail centre distance (C) = 10 feet
Incline or decline = none
Product accumulation on belt(s)? = no
Total weight on belt(s) = 15 lbs.
Type of belt support = UHMW slider bed

2. Horizontal Transport with Slider Bed.
   Since the belt will run in UHMW slider bed the COF(μ) of .45 is used from Technical Data chart. From the chart the belt weight is .026 lbs/ft giving a total belt weight of .26 lbs (.026 × 10').
   T_e = 15 lbs × .45 + .26 = 7.01

3. Determine Tight Tension (T_1).
   round belts T_1 = 7.01 × 2 = 14.02

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.
   ¼" round rated 4.9 lbs @ 10% tension. 14.02 ÷ 4.9 = 2.86 use 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 = 14.02 ÷ 3 = 4.67 lbs
   corresponding installed tension = 9.7%

Example 2

Eagle Orange 85 in 6mm round
Head-to-tail centre distance (C) = 3 metres
Incline or decline = none
Product accumulation on belt(s)? = no
Total weight on belt(s) = 6 kg
Type of belt support = UHMW slider bed

2. Horizontal Transport with Slider Bed.
   Since the belt will run in UHMW slider bed the COF(μ) of .45 is used from Technical Data chart. From the chart the belt weight is .034 kgs/m giving a total belt weight of .102 kg (.034 × 3M).
   T_e = 6 kg × .45 + .102 = 2.802 kg

3. Determine Tight Tension (T_1).
   round belts T_1 = 2.802 × 2 = 5.604kg = 54.98 Newtons (5.604 × 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 19.4 N @ 10% tension. 54.98 ÷ 19.4 = 2.83 use 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 = 54.98 N ÷ 3 = 18.33 Newtons
   corresponding installed tension = 9.6%

Chemical Resistance Chart

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 Applications Engineering group for assistance on projects with design criteria outside these parameters, or obtain a sample belt and determine its compatibility in the precise operating conditions.

Acids	Rating
Acetic, 5%	C
Boric, 4%	C
Chromic	C
Citronic	C
Formic	C
HCl	B
Hydrochloric, 10%	C
Lactic	C
Nitric, >1%	C
Oleic	C
Phosphoric	C
Sulfuric, <20%	B
Sulfuric, >20%	C

Alkalines	Rating
Ammonia, >10%	C
Detergent, 1%	A
Potassium Hydroxide	B
Soap, 1%	A
Sodium Hydroxide, 10%	C

Aqueous Solutions	Rating
Aluminum Chloride, 10%	C
Ammonium Chloride, 10%	C
Bleaching Agent, 40%	B
Bleaching Agent, 100%	C
Calcium Chloride, 40%	C
Caustic Soda, 10%	B
Cola	A
Ferric Chloride, 10%	C
Hydrogen Peroxide, 3%	B
Isopropanol, 50%	C
Magnesium Chloride, 30%	C
Potassium Chloride, 40%	C
Potassium Dichromate, 10%	C
Potassium Permanganate, 5%	C
Sea Water	B
Sodium Bisulfate, 10%	C
Sodium Chloride, 10%	C
Sodium Hypochlorite, 5%	C
Sodium Thiosulfate, 20%	A
Water, Deionized	A

Fuels	Rating
ASTM Fuel A	A
ASTM Fuel B	C
ASTM Fuel C	C
Diesel Fuel	B
Gasoline, Premium	C
Gasohol (10-15% Methanol)	C
Jet Fuel, JP-4	A
Kerosene	A

Oils	Rating
ASTM Oil #1	A
ASTM Oil #2	A
ASTM Oil #3	A
Brake Fluid (ATE or ATS)	C
Gear Box Oil (SAE 90)	A
Hydraulic Fluid	C
Hydraulic/Water Emulsion	C
Mineral Oil	A
Motor Oil	A
Parafin Oil	A
Petroleum (Texas Sour Crude)	A
Power Steering Fluid	B
Skydrol 500 Oil	C
Transmission Oil A	A

Greases	Rating
Calcium Grease	B
Sodium Grease	B
Teflon Grease	A

Miscellaneous	Rating
Dioctyl Phthalate (DOP)	A
Ethylene Chloride	C
Ethylene Dichloride	C
Ethylene GlycoWater 50/50	C
Household Cleaner	B
Naptha	A
Silage (Silo) Juice	C
Natural Perspiration	B
Tincture of Iodine	C
Tricresyl Phosphate	C

Solvents	Rating
Acetone	C
Aniline	C
Benzene	C
Benzyl Alcohol	C
Butane	C
Butyl Acetate	C
Butyl Alcohol	C
Carbon Tetrachloride	C
Chlorobenzane	C
Chloroform	C
Cyclohexane	C
Ethanol	C
Ether	C
Ethyl Acetate	C
Freon 11, 12, 22	C
Freon 113	A
Glycerine, Glycerol, Glycol	A
Heptane	B
Hexane	C
Isopropyl Alcohol	C
Methanol	C
Methyl Acetate	C
Methyl Ethyl Ketone	C
Methyl Glycol	C
Methylene Chloride	C
N-Methyl Pyrrolidone	C
Perchloroethylene	C
Pyridine	C
Turpentine	A
Tetrachloroethylene	C
Tetrahydrofuran	C
Toluene	C
Trichloroethylene	C
Xylene	C

Rating Key

A - Fluid has little or no effect

B - Fluid has minor to moderate effect

C - Fluid has severe effect

Frequently Asked Questions

Q *I will be using Eagle® Belting in a high humidity environment. Will this affect the life of the belting?*

A High humidity will have some effect, although not believed to be significant, on the belt life.

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

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

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

A Polyurethane is resistant to water and many industrial chemicals, but not resistant to all. Consult the Eagle Technical Data Brochure for chemical resistance information or contact Fenner Drives Applications Engineering group with the contaminants present and we will make a recommendation.

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

A Yes! At Fenner Drives, we welcome the opportunity. Contact Fenner Drives Applications Engineering group at ae@fennerdrives.com for assistance.

For any questions about our extensive line of products, just call 1-800-243-3374 or +44 (0)870 757 7007 and your Customer Support Specialist will help you.

Q *Are Eagle® Polyurethane and Polyester belting products REACH compliant?*

A Most of our products do not contain substances listed as hazardous in the REACH Regulation. Please visit www.fennerdrives.com/ehs for further information.

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

A Yes. All of our "classical" polyurethane belts, i.e. Z/10, A/13, B/17, C/22 and D/32, are designed to fit RMA/BS/DIN/ISO compliant pulleys.

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

A You can, but it will be necessary to drill back the reinforcement. Follow butt welding instructions available at www.fennerdrives.com/install.

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

A 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 Belt & Chain Tensioner® with a PowerMax™ Idler Pulley.

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

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

Product Range

EAGLE®
POLYURETHANE BELTING & O-RINGS

Round Belting

		2mm	2.4mm	3mm	4mm	5mm	6mm	6.3mm	7mm	8mm	9mm	9.5mm	10mm	12mm	12.7mm	13mm	14mm	15mm	16mm	18mm	19mm	20mm
				3/32"	1/8"		3/16"		1/4"		5/16"		3/8"			1/2"		9/16"		5/8"		3/4"
Non-Reinforced Belting	Eagle Blue 80 EC ‡	●		●	●	●	●	●		●		●	●									
	Eagle Clear 80 EC ‡	○		○	○	○	○	○		○		○	○									
	Eagle Blue 80 MD ‡					●		●		●		●			●		●		●			
	Eagle Brown 80	●		●	●	●		●		●		●			●			●		●		
	Eagle Opaque 80	○		○	○	○	○	○	○	○		○	○		○			○		○		
	Eagle Blue 85‡			●	●	●	●	●		●		●	●					●				
	Eagle Clear 85‡	○	○	○	○	○	○	○	○	○		○	○	○	○		○		○		○	
	Eagle Ivory 85																					
	Eagle Orange 85‡	●	●	●	●	●	●	●	●	●		●	●	●	●		●		●		●	
	Eagle Red 85‡			●	●	●		●		●		●			●			●				
	Eagle Green 89	●		●	●	●	●	●	●	●	●	●	●	●				●		●		●
	Eagle Green 89 T	●		●	●	●	●		●	●	●		●	●				●		●		●
	Eagle Red 90	●		●	●	●		●	●	●		●	●	●	●		●	●				
	Eagle Beige 95‡					●				●			●					●				
	Eagle Clear 95‡		○	○		○		○		○		○			○		○		○		○	
	Eagle White 40D			○	○	○	○			○			○	○				○		○		○
	Eagle Blue 55D												●					●		●		
	Eagle Red 85 CXF																					
	Eagle Blue 80 EC QC‡					⊙	⊙			⊙		⊙										
	Eagle Blue 85 QC‡					⊙	⊙			⊙			⊙	⊙								
	Eagle Clear 85 QC‡					⊙	⊙	⊙		⊙		⊙			⊙	⊙			⊙			
	Eagle Red 85 QC					⊙	⊙			⊙			⊙	⊙		⊙			⊙			
	Eagle Yellow 85 QC‡					⊙		⊙		⊙		⊙			⊙				⊙			
	Eagle Clear 85 TOR					⊗																
	Eagle Ivory 85 SGT*																					
	Eagle Green 89 SGT PVC																					
	Eagle Red 90 SGT PVC																					
	Eagle White 40D SGT PVC																					
Reinforced Belting	Eagle Opaque 80 R									⊙			⊙					⊙				
	Eagle Orange 85 R‡						⊙	⊙		⊙		⊙	⊙	⊙	⊙		⊙	⊙	⊙		⊙	⊙
	Eagle Hyfen 85 R‡					⊙		⊙		⊙		⊙			⊙		⊙		⊙		⊙	
	Eagle Ivory 85 R																					
	Eagle Green 89 R					⊙	⊙		⊙	⊙	⊙		⊙	⊙				⊙		⊙		
	Eagle Green 89 RT					⊙	⊙		⊙	⊙			⊙	⊙				⊙		⊙		
	Eagle Beige 95 R‡									⊙			⊙					⊙				
	Eagle Hyfen 95 R‡																					
	Eagle Hyfen 85 CXF/CXR																					
	Eagle Ivory 85 RSGT*																					
	Eagle Can Cable†											⊙										
	Eagle Fabricated Belts	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

R	*Reinforced*	*LCF*	*Low Coefficient of Friction*
T	*Textured*	*CXF*	*Co-extruded Flat*
RT	*Reinforced Textured*	*CXR*	*Co-extruded Ribbed*
QC	*Quick-Connect*	*SGT*	*SuperGrip Top*
TOR	*Twisted O-Rings*	*RSGT*	*Reinforced SuperGrip Top*

* *Eagle Ivory 85 SGT and RSGT available with PVC, PU or TPE top surface.*

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

‡ *These belts are FDA compliant (unless cogged); QC belts are FDA compliant only when supplied with stainless steel connectors.*

V Belting

	6mm × 4mm	8mm × 5mm	10mm × 4mm T-Top	3L	3L T-Top	3L Crown-Top	3L Twin	Z/10	A/13	AA	A Twin	A/13 Lo-Ridge-Top	A/13 Ridge-Top	A/13 Hi-Ridge-Top	B/17	BB	B/17 Ribbed	B/17 Wing-Top	B/17 Ridge-Top	B/17 Steeple-Top	C/22	C/22 Ribbed	C/22 Ridge-Top	C/22 Steeple-Top	D/32	D/32 Ribbed	E/42 Ribbed	
Non-Reinforced Belting	■	■	■					■	■						■													Eagle Blue 80 EC‡
	□	□	□					□	□						□													Eagle Clear 80 EC‡
									■						■													Eagle Blue 80 MD‡
		■						■	■						■													Eagle Brown 80
	□	□		□				□	□						□				⬠		□		⬠					Eagle Opaque 80
	■	■		■				■	■						■						■							Eagle Blue 85‡
	□			□	⊓		⊓	□	□	⬡	⊓	⬠	⬠	⬠	□	⬡					□					⩔		Eagle Clear 85‡
								□	□						□						□							Eagle Ivory 85
				■	⊓	⊓	⊓	■	■	⬡	⊓	⬠	⬠	⬠	■	⬡	⩔	⩔			■	⩔				⩔	⩔	Eagle Orange 85‡
		■						■	■						■													Eagle Red 85‡
								■	■				⬠		■			⬠	⬠		■		⬠	⬠				Eagle Green 89
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		■						■	■						■						■							Eagle Red 90
									■						■						■							Eagle Beige 95‡
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								■	■						■						■							Eagle Blue 55D
									■						■						■							Eagle Red 85 CXF
																												Eagle Blue 80 EC QC‡
																												Eagle Blue 85 QC‡
																												Eagle Clear 85 QC‡
																												Eagle Red 85 QC
																												Eagle Yellow 85 QC‡
																												Eagle Clear 85 TOR
									□						□						□							Eagle Ivory 85 SGT*
									■						■						■							Eagle Green 89 SGT PVC
									■						■						■							Eagle Red 90 SGT PVC
									□						□						□							Eagle White 40D SGT PVC
Reinforced Belting									□				⬠		□				⬠									Eagle Opaque 80 R
								■	■						■						■							Eagle Orange 85 R‡
							⊓				⊓		⬠						⬠									Eagle Hyfen 85 R‡
								□	□				⬠		□				⬠		□		⬠					Eagle Ivory 85 R
									■				⬠		■				⬠		■		⬠					Eagle Green 89 R
																												Eagle Green 89 RT
				□				□	□						□						□							Eagle Beige 95 R‡
									■						■						■							Eagle Hyfen 95 R‡
									■		⊓				■						■				■			Eagle Hyfen 85 CXF/CXR
									□						□						□							Eagle Ivory 85 RSGT*
																												Eagle Can Cable†
	■	■	■	■	■	■	■	■	■	⬡	⊓	⬠	⬠	⬠	■	⬡	⩔	⩔	⬠	⬠	■	⩔	⬠	⬠	■	⩔	⩔	Eagle Fabricated Belts

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

Count on Fenner Drives.

We've got the right product for your application.

PowerTwist Plus V-BELTS

SUPER T LINK SP WEDGE BELTS

NU T LINK V-BELTS

Trantorque Keyless Bushings

B-LOC KEYLESS BUSHINGS

EAGLE POLYURETHANE BELTING & O-RINGS

T-MAX BELT & CHAIN TENSIONERS

PowerMax PULLEYS & IDLERS

Trackstar UHMW BELT & CHAIN GUIDES

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. As part of our commitment to provide unsurpassed technical support and service, we maintain extensive engineering, development and testing facilities.

Visit us at www.fennerdrives.com

Fenner Drives®

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