

DURA-BELT

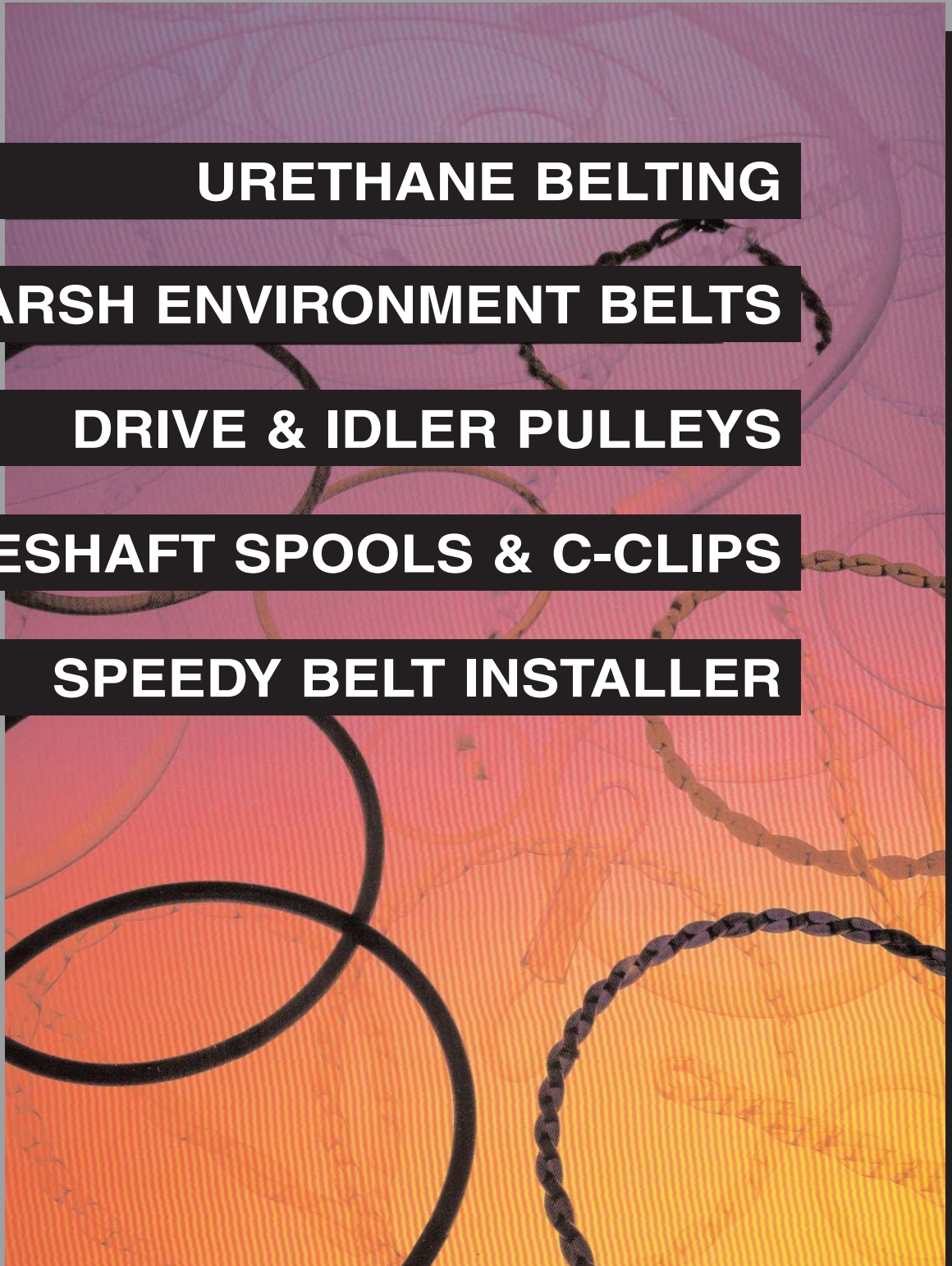
URETHANE BELTING

HARSH ENVIRONMENT BELTS

DRIVE & IDLER PULLEYS

LINESHAFT SPOOLS & C-CLIPS

SPEEDY BELT INSTALLER



▶ ROUND O-RING BELTS



Features: Cross-sections from 1/16" to 3/4", also standard O-ring and millimeter sizes. Any length above 3" cut length (depends upon cord cross-section). Durometers from 70A to 100A, also 55D. Available in many colors and textures. Very economical -- no tooling charge. Best resilience of any elastic material. Tough and durable -- highly resistant to cuts and abrasion. Non-marking. Won't fray. Fits round or V-pulleys. Easily cleaned. Resistant to fuels and oils. Most are Food Grade USDA/FDA approved. Available with UV resistance. Also available in Anti-Static (Static Dissipative), Jungle, Nautical, All Weather or Low-Temperature urethane. Elastic urethane belts do not require a belt tensioner.

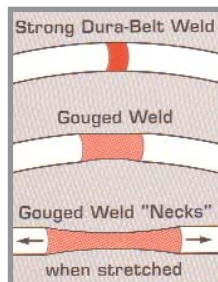
Belting Materials	Durometer	Characteristics
Cyclothane-A	70A, 80A, 83A, 92A, 95A	Food grade, excellent oil and abrasion resistance.
Cyclothane-B (High Tension)	85A	Long Life, Hi-Tension (20% stretch), food grade
Cyclothane-E (All weather urethane)	85A, 90A	Humidity and mold resistant; UV stabilized, not food grade.
Cyclothane-SD	85A, 90A	Static dissipative, not food grade.
Low-Temp Urethane	85A	Works down to 0°F, good abrasion resistance.
Matte or rough surface - Green	88A	Low friction surface.
Anti-vibration Blue or Red urethane	85A	Runs on bare, misaligned shafts; stays in pulleys.
Reinforced with Polyester Cord	83A, 87A, 90A, 95A, 100A	Urethane reinforced with polyester.
Polyester (Hytrel®)	90A, 100A, 53D	Low temp -40°F, higher load bearing.
PVC cord	55A, 70A, 80A	Postal paper grabbing and counting belts.
Urethane Jacket	83A, 95A	High abrasion resistance, food grade, 30° to 250°F
Silicone Jacket	70A	Low and High Temperature, -80° to 450°F
PVC Jacket	70A	Acid or base (alkali) environment.
Hypalon Jacket	75A	Weather and acid resistance, -40° to 250°F
Nitrile (Buna-N) Jacket	60A	Oils, coolant, and hydraulic fluid resistant, -40° to 212°F
Neoprene Jacket	80A	Oil, Ozone and flame resistant -15° to 400°F
Viton Jacket	60A, 75A, 90A	Chemical & heat resistant, -15° to 400°F
Metal detectable urethane & copper	83A, 90A, 92A, 95A	Food grade urethane. Belts detectable by metal detectors.
Steel Spring	n/a	-40° to 300°F, 25% stronger than stainless.
Stainless Steel Spring	n/a	0° to 450°F, acid resistant

Why Cyclothane belts last longer and move heavier loads

Super Strong Welds. Our proprietary welding process produces welds up to 10 TIMES STRONGER than conventional belt joining processes. They are so strong that we provide the best warranty in the business.

Ungouged Welds We do not gouge our belts when we grind them, so our belts do not "neck" much when stretched. A gouged weld is the weakest link, so it focuses more tension per unit area. Our ungouged belts hardly neck so they last longer.

No Regrind Regrind is



waste urethane that is ground up and blended into virgin urethane during extrusion to reduce costs. Grinding breaks long chain molecules and introduces contaminants that reduce resiliency and strength, shortening belt life. Cyclothane contains no regrind.

Cross-Linked HT Belts Our proprietary process for cross-linking long-chain molecules makes our HT (High Tension) belts very resilient -- especially well suited for long life and/or heavy loads in powered roller applications (20% stretch).

Non-diluting Color Process Our proprietary coloring process lets us color belts after we make them, so that the colorant does not dilute and weaken the urethane.

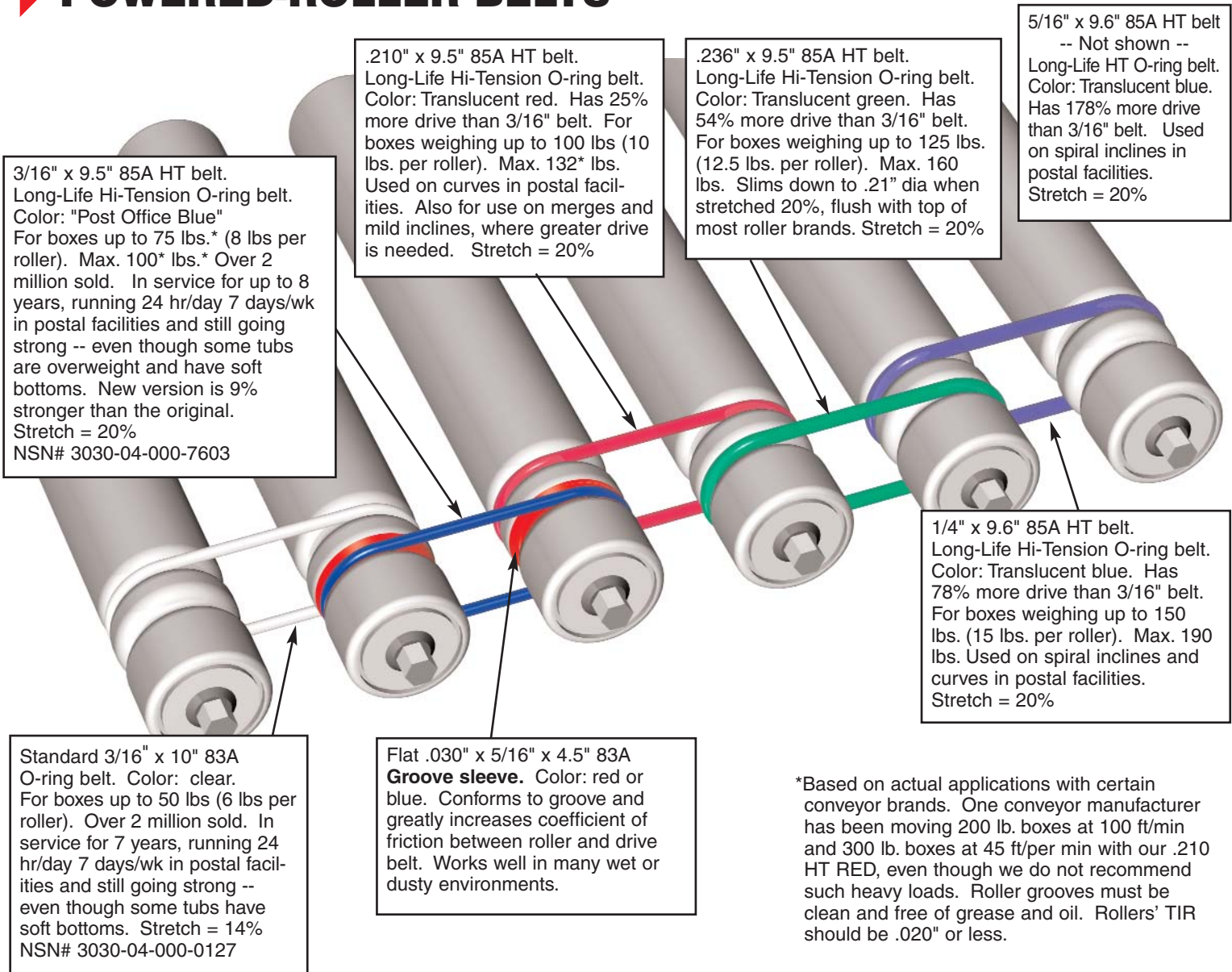
Superior Quality Control We inspect 102% of our belts (2% are inspected twice). Like ISO 9001, we constantly strive for improvement.

Long Warranty Unlike companies that have no significant warranty, our extra long, no nonsense warranty forces us to make our belts last longer (see back cover).

Proactive Technical Help Our "Belt Doctor" helps OEMs design equipment that maximize belt life, eliminating belt problems before they occur. He also helps end-users find and cure problems that cause belts to fail prematurely, preventing such problems from occurring again.

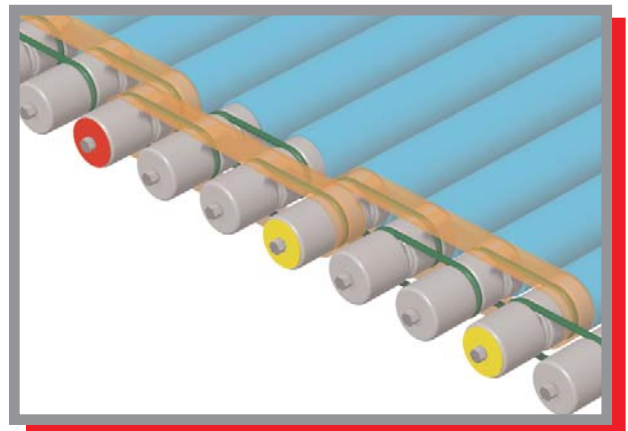
-- More details at www.durabelt.com --

▶ POWERED-ROLLER BELTS



▶ Flat and Round Belts Combined

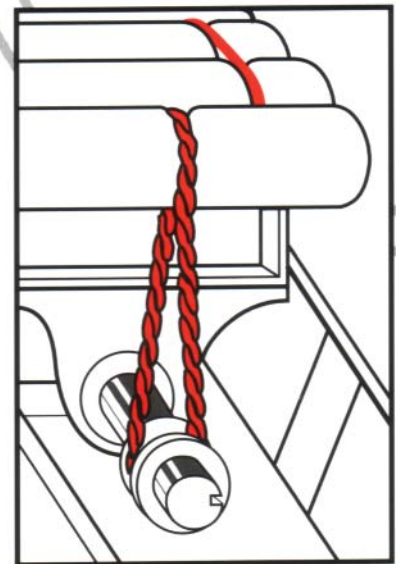
A combination of flat and round belts can move very heavy loads by creating "pseudo powered rollers" (see yellow end caps). Adjacent is a powered roller zone with 14 rollers that can theoretically move heavy loads up to 80 lbs per roller -- or 180 lbs per roller if another set of flat belts is added to the other end of the rollers. If you specify grooves that are more than 1.25" apart, you can use wider flat belts that could theoretically move loads up to 400 lbs per roller. The O-rings are 6 mm HT 85A green belts. In addition to providing extra drive, they protrude slightly above the rollers and act as tracking sleeves for the flat belts.



▶ QUICK CONNECT™ TWISTED**Twisted Belts**

Installs in seconds with the Speedy Belt Installer™, eliminating costly downtime. Lengths from 2" up. Measure them from tip to tip, excluding the hook. Cross sections from 3/32" to 1" diameter. Available in many colors. Durometers 83A and 85A.

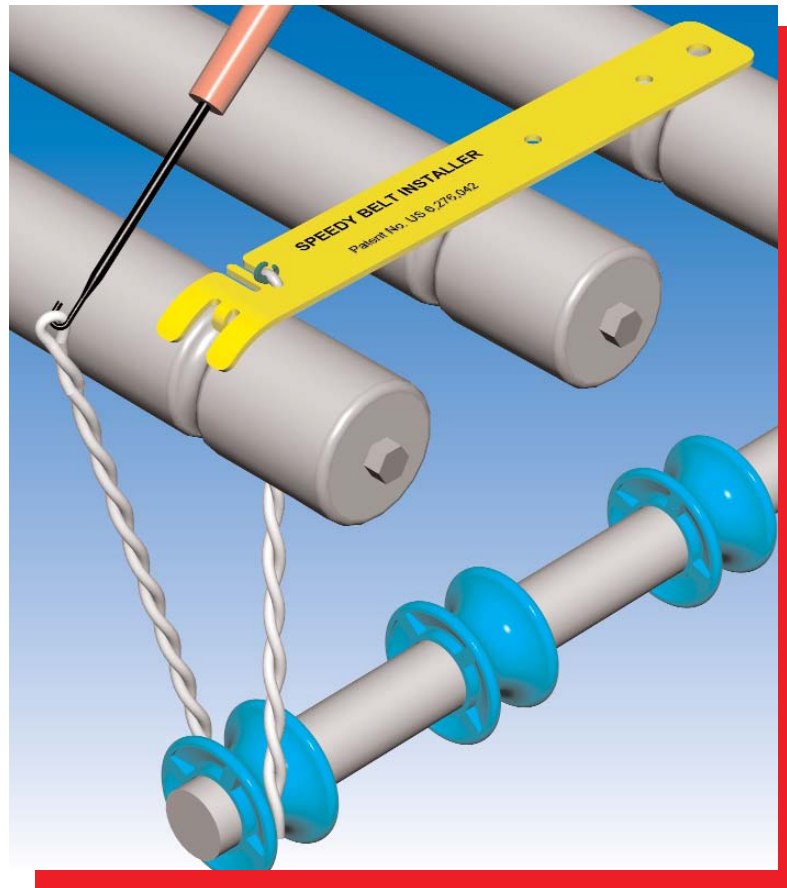
Because they are coiled like a spring, twisted belts are stretched more than O-ring belts. Most O-ring belts are stretched 10%, while twisted belts are typically stretched 17%. When ordering specify easy-to-install stainless steel hooks or long-life plastic hooks. Ends of stainless steel hooks are bent inward so they will not scratch roller or spool.

**Double Twisted Belts**

Now you can quickly change large belts without disassembling equipment. You can also design more compact equipment. Made from four strands of cord, these belts can support greater loads while letting you use smaller pulleys. For example, the minimum pulley diameter for a standard 1/2" round 83A belt is 3" while that of a 1/2" double twisted belt is only 1.5" Twin plastic or stainless steel hooks are staggered so they do not rub against each other. The bulges around the hooks slim down to the belt cross-section when the belt is stretched. Available in virtually any length, cross-section diameter and color. 83A through 95A durometer.

▶ SPEEDY BELT INSTALLER™

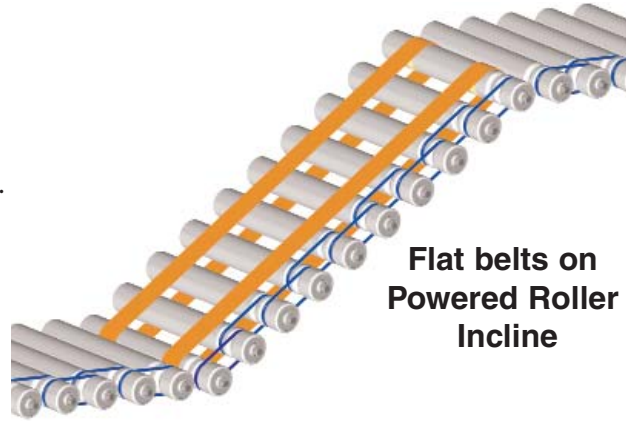
- Installs a belt in as little as 25 seconds!
- Up to 10 times faster than other methods.
- No need to drop rollers.
- No more sore fingers or hands.
- OSHA friendly -- Helps prevent carpal tunnel.
- Frees up both hands.
- Also un-installs belts quickly.
- Pays for itself the first day you use it.
- Money back guarantee.
- Works with most twisted belts.
- Works with steel or plastic hooks.
- For line-shaft, slave, and powered rollers.
- Includes two fishing tools -- claw and grappler.
- Made from sturdy 13-gauge stainless steel. Will not rust.
- 10% off when purchased with 100 of our Twisted Quick-Connect™ Belts.
- Works on all rollers, 2" diameter or smaller. (Custom sizes available.)
- See demo video at www.durabelt.com



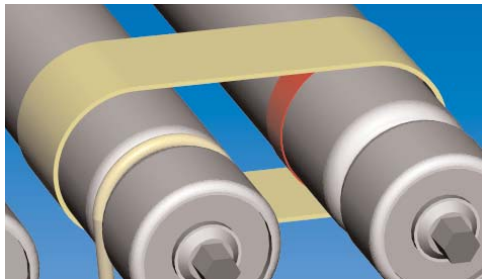
TESTIMONIAL: "The first time I used the Speedy Belt Installer I installed more belts in one day than three of our men combined. The next day we bought three more. It works great and quickly pays for itself."
Richard Roberts, Project Manager, Kuecker Equipment Co., Belton, MO

▶ FLAT BELTS

- Solid elastic urethane
- Thicknesses: .031", .063", .094", .125"
- Any width up to 11.75". Special orders to 38" wide.
- Any cut length above 3.3"
- Colors: clear, orange (others are available)
- Durometers: 70A, 83A, 85A, 92A, 95A



**Flat belts on
Powered Roller
Incline**



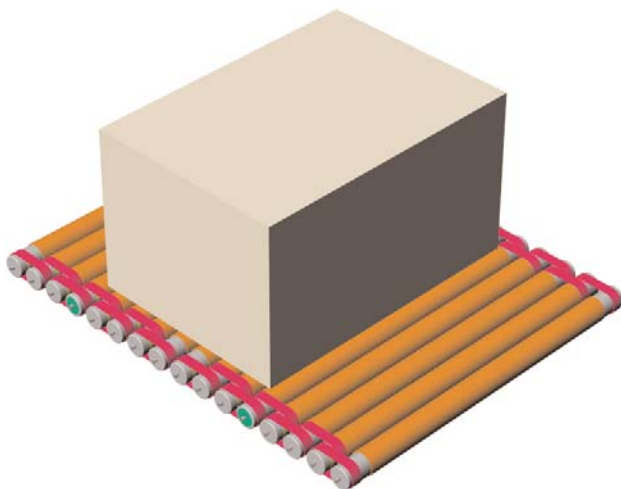
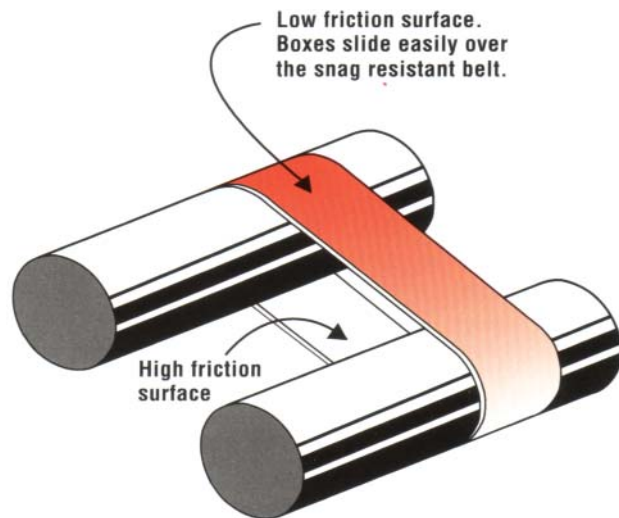
**Red Tracking Sleeve
under Flat Belt**

Tracking Sleeves

- Crowns rollers -- prevents flat belts from walking.
- Fits under flat belt.
- Easily installed with our RAVE® technique
- Stays put. Will not move.
- Durometer: 92A

Anti-Snag Flat Belt

- Helps prevent boxes from dislodging belts.
- Shiny side has high coefficient of friction.
- Matte side has lower coefficient of friction.



Flat Belts Move Heavy Loads

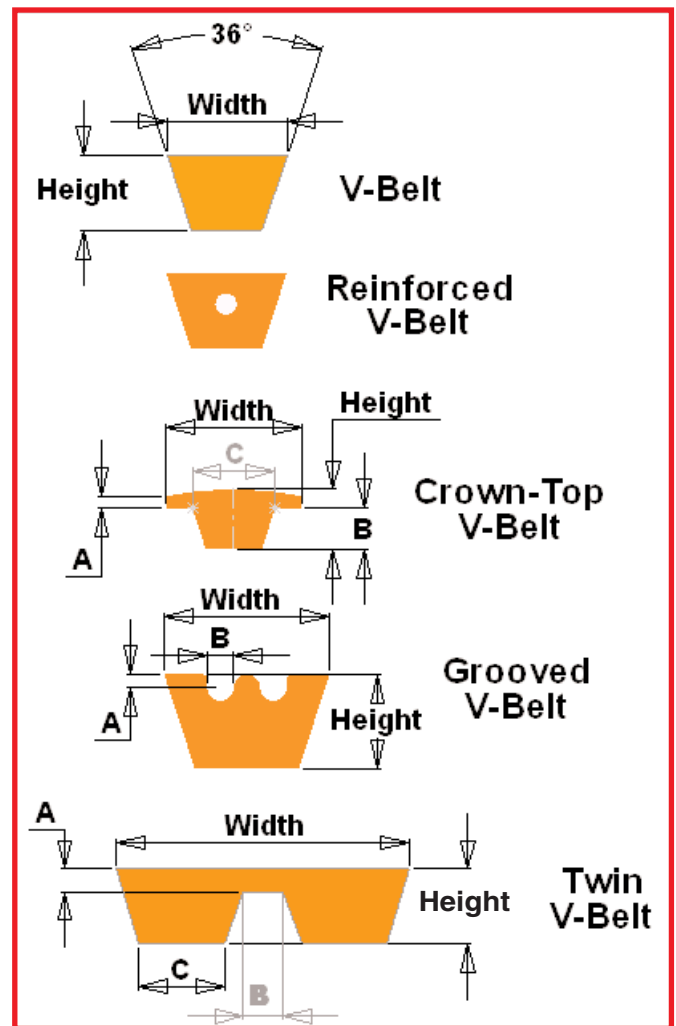
Set up for moving 1500 lb boxes on 80 mm powered rollers using 1/8" thick flat belts. If 1/8" flat belts are arranged in a chevron pattern, they can move totes weighing up to 4000 lbs.

V-BELTS

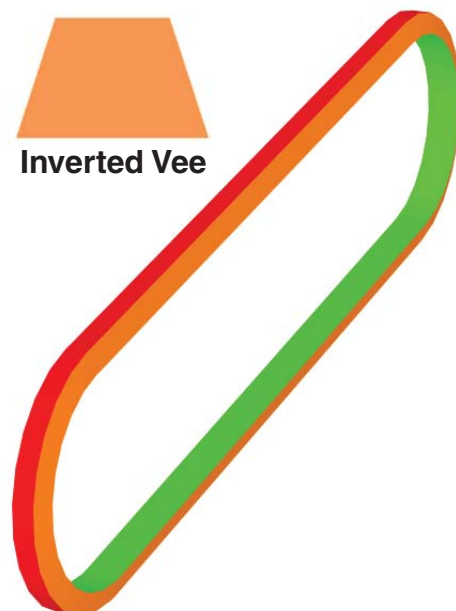
Urethane V-belts are designed for fractional horse-power or light weight belting applications. They are usually not well suited for high horse power or timing belt applications. Features include:

- Most styles, sizes, colors and materials (urethane, polyester Hytrel®).
- With or without cogs. Cogs on the bottom of the belt allow the belt to go around smaller pulleys.
- Standard or inverted Vee (see below).
- With or without polyester reinforcement.
- Dura-Belt's Super-Strong Welds allow the belt to run on smaller pulleys with sharp back bends.
- Durometers: 70A, 75A, 80A, 83A, 85A, 90A, 95A, 100A, 53D

V-Belt Size	Width	Height	A	B	C
M-Section	5/16 (8mm)	13/64	-	-	-
3L (Z or O)	3/8 (10mm)	7/32	-	-	-
3L Crown-Top	9/16 (14mm)	1/4	1/16	3/16	3/8
Twin 3L-Section	29/32 (23mm)	9/32	1/16	1/8	1/4
A-Section (4L)	1/2 (13mm)	5/16	-	-	-
Twin A-Section	1-3/16 (30mm)	5/16	3/32	5/32	5/16
B-Section (5L)	11/16 (17mm)	13/32	-	-	-
Grooved B-Sec.	11/16 (17mm)	13/32	1/16	1/8	-
C-Section	7/8 (22mm)	17/32	-	-	-
D-Section	1.25 (32mm)	3/4	-	-	-



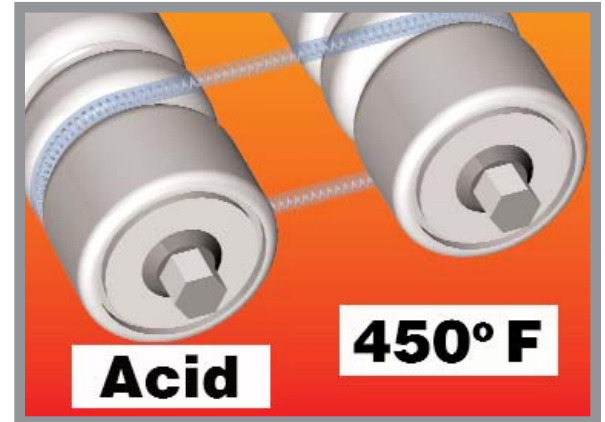
Various Flat and V-Belts plus Urethane Springs



▶ Jacketed Spring Belts™ for Harsh Environments

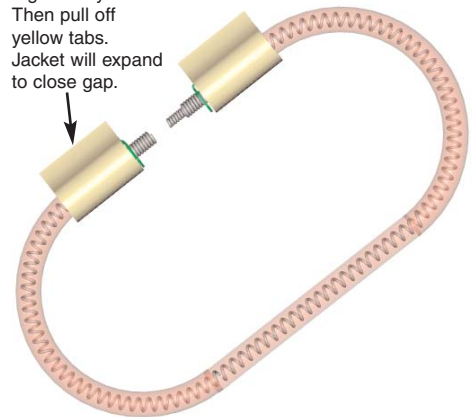
The only elastic belt that works well in practically all hostile environments. Available with any type of flexible jacket:

- High temperature resistant:
 - A. Cyclothane-A urethane -- up to 250° F (120° C) with steel spring.
 - B. Silicone -- up to 450° F (230° C) with stainless steel spring.
- Coolant or chlorine “washdown” resistant Nitrile (Buna-N).
- Acid resistant PVC or Hypalon.
- Chemical resistant Viton.
- Anti-static (static dissipative) urethane – low resistivity 10^5 to 10^7 ohm/sq.
- Oily environment – Use without a jacket on oily rollers and pulleys -- won't slip like other belts.
- Broad temperature range – Cyclothane-E with steel spring from -25° F to 250° F. Silicone jackets have an even greater range, -70° to 450° F.
- Tension approximately equivalent to our standard cross-section diameter Cyclothane-A urethane O-ring belt stretched 10%.
- Steel spring makes belt extremely cut resistant. The spring is like an armored skeleton that holds together and compresses the jacket even if it is cut.
- Works on smaller pulley diameters -- as low as 3/4”
- Available in endless or connectable Quick-Fix form.
- You provide the length of the installed belt, and we size the belt for you.
- Available in various durometers, colors, tensions, and sizes (1/8” through 3/4”).
- Patent No. US 6,685,590

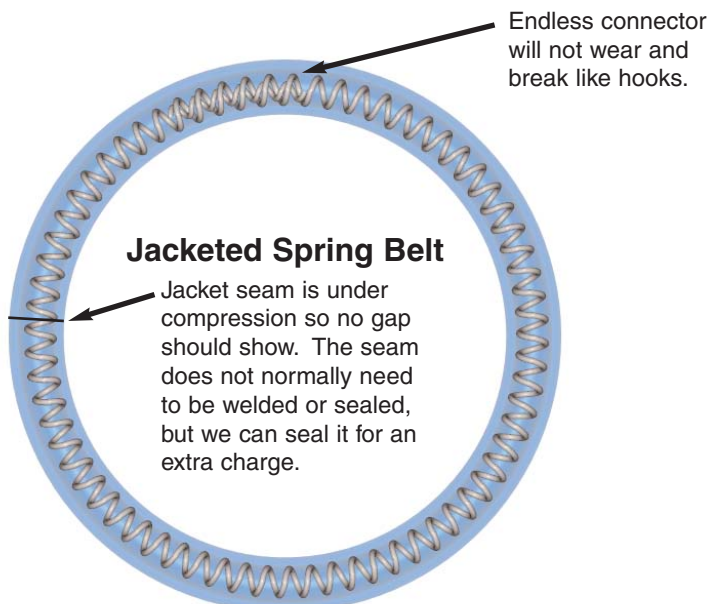


Connected Spring Belt

Screw ends together by hand. Then pull off yellow tabs. Jacket will expand to close gap.

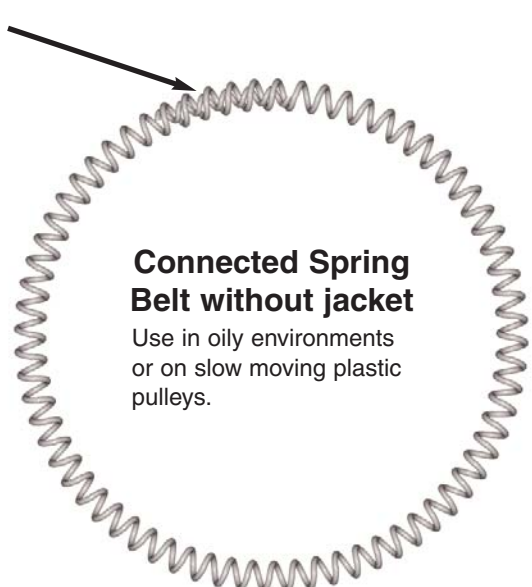


Connectable Spring Belt



Jacketed Spring Belt

Jacket seam is under compression so no gap should show. The seam does not normally need to be welded or sealed, but we can seal it for an extra charge.



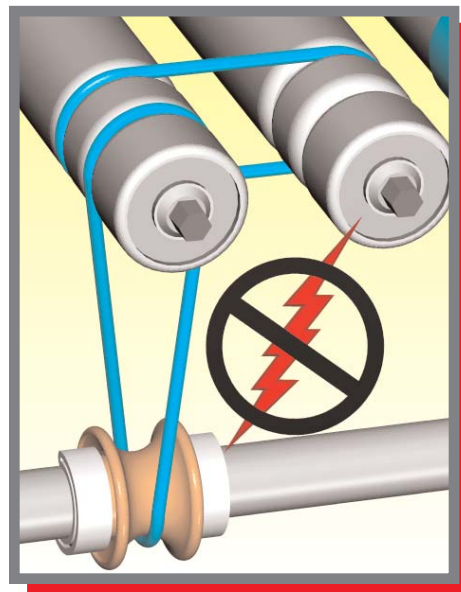
Connected Spring Belt without jacket

Use in oily environments or on slow moving plastic pulleys.

► Static Dissipative Belts

New Cyclothane-SD urethane's resistivity is so low that it is classified as "static dissipative" because it eliminates static faster than "anti-static" materials.

- Probably the lowest resistivity of any solid urethane O-ring belt.
- Contains no carbon particles that can abrade off and short-out electronics.
- Resistivity remains constant -- will not decrease when belts age or are stretched.
- Available in two durometers: 85A and 90A.
- Highly abrasive resistant 85ASD -- gray color.
- Mold & UV resistant 90ASD -- baby blue color.
- Solid Cyclothane-SD belts:
 - Volume resistivity 2×10^9 ohms-cm.
 - Surface resistivity 2×10^9 ohms/sq.
 - Static decay rate <0.01 seconds.
- Jacketed Cyclothane-SD Spring belts:
 - Volume resistivity 2×10^7 ohms-cm.
 - Surface resistivity 2×10^7 ohms/sq.
 - Static decay rate <0.0001 seconds.



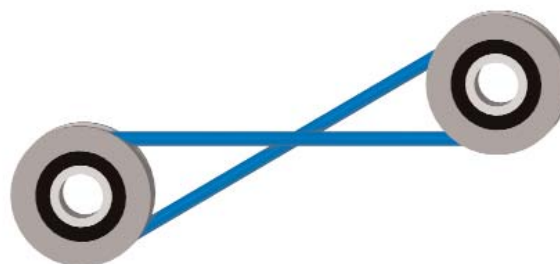
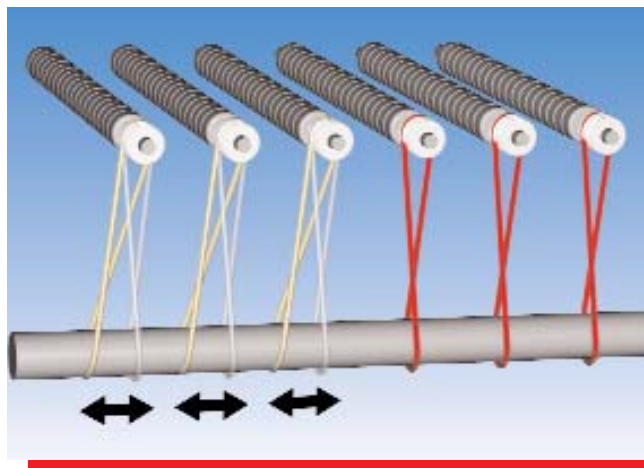
► Anti-Vibration Belts

- Minimizes vibrations that stretch and abrade belts.
- Helps retain belts in severely misaligned pulleys.
- Greatly increase belt life in the applications below.

Bare Shaft Applications: Belts that run on bare shafts usually "walk", i.e., screw down the shaft and snap back. This causes high frequency vibrations that stretch and abrade most belts. Anti-Vibration belts are slippery enough to resist walking but still provide sufficient drive for most applications. They also cost much less than original equipment belts.

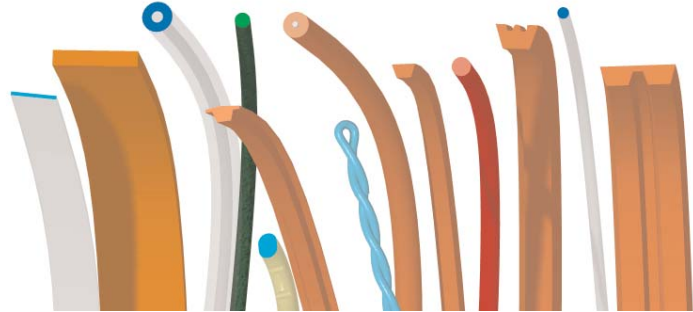
Side Forces: Side forces on a belt can easily roll it out of a pulley. If the forces are large enough, they stick the belt to the pulley flange. Then the rotating pulley lifts the belt over the flange edge, and the belt falls off. This occasionally occurs on conveyor diverters and on misaligned pulleys. The lubrication in our Anti-Vib belt causes the belt to resist sticking to the flange, thus preventing the belt from rolling out.

Reverse Rotation Belts: If a urethane belt is installed in a figure eight so that it rubs against itself, it will quickly abrade and fail. Our Anti-Vib belt is lubricated, so it resists abrasion and lasts longer.



► Urethane & PVC Extruded Cord

- Round Cord.
- Vee Cord.
- Flat Cord up to 38" wide.
- Hollow Cord.
- Oval Cord.
- Cogged Cord.
- Twisted Belts.
- Durometers: 70A thru 100A, 55D thru 63D
- Optional polyester reinforcement.
- Urethane, Hytrel®, PVC.
- Most colors.



► Belt Splicing Kits & Tools

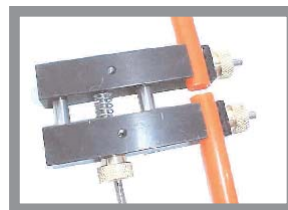
Standard Duty Welding Kit

- **Standard heat wand** – 40 watts high efficiency. Teflon coated tip. Welds urethane round belts up to 1/2" diameter, vee belts up to B-section, and flat belts up to 1" wide. Includes wand stand.
- **Cord cutter** – replaceable blade cuts ends square.
- **Black anodized aluminum gripper** -- Plier-like stress-free handle. Precisely holds round, vee, and flat cord (up to 1.75" wide). Built-in spacer helps ensure consistent alignment.
- **Trimming clipper** -- cuts off weld flash (burr).
- **Standard carrying case** – Light weight, dent resistant plastic.

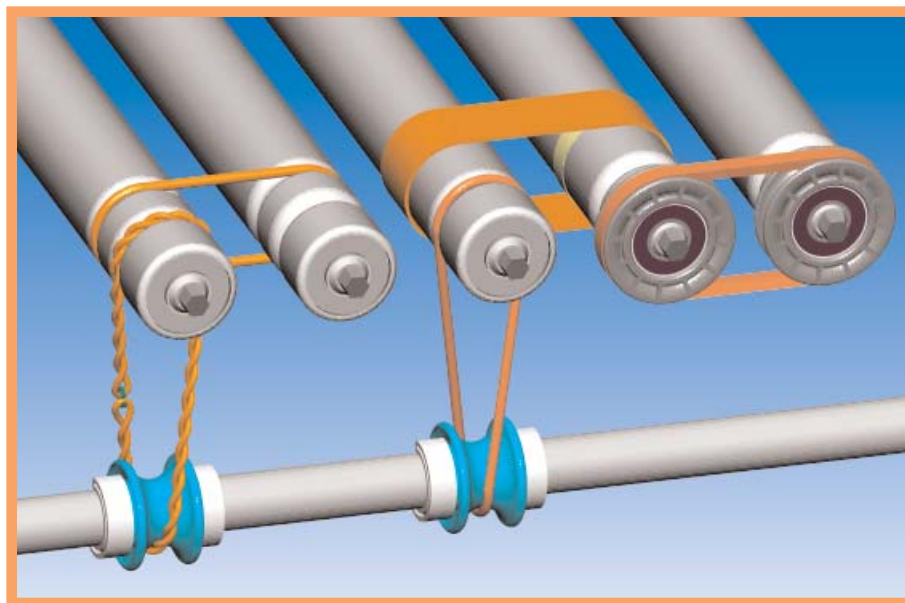


Alternate Tools

- **Small black anodized aluminum gripper.** Fits into tight places. Holds round and vee cord.
- **Black Plastic gripper.** Very light weight -- can hang on and be supported by cord. Fits into very tight places. Holds round and vee cord.
- **Heavy duty W1 heat wand** – 150 watts. Teflon coated tip. Joins urethane round belts up to 1" diameter, vee belts up to D-section, and flat belts up to 2" wide. Same welder used in Heavy Duty Welding Kits.



▶ Orange Belting



Flat belts available in any width up to 18"

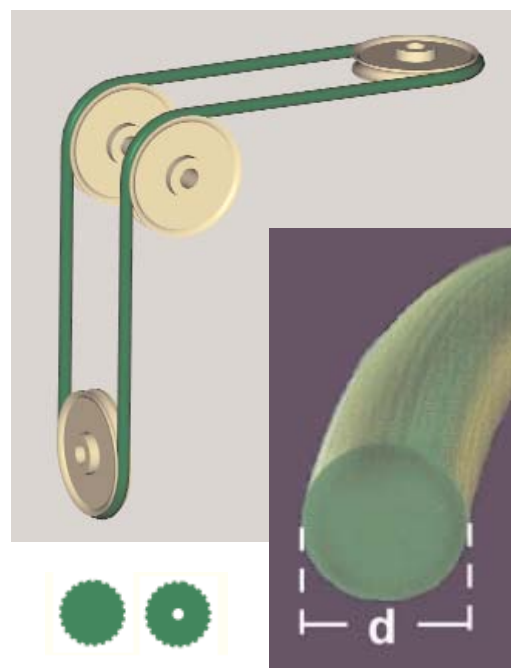
- Thermoplastic Orange 83A/85A Urethane Belts.
- Round, Vee, Flat, Twisted & Hollow profiles with or without polyester reinforcement.
- FDA approved. Metal detectable versions.
- Belts made endless with our Super Strong welds are warranted against breaking with the *see back page or website.

▶ Rough Green Belting

Dura-Belt rough green round belts are made from 88A durometer urethane cord. The hard, rough surface is texturized to provide a lower coefficient of friction (0.4) so that belts can slip a little in pulleys without overheating and abrading. Ideal for use on slider beds or where accumulation occurs. Often used in paper moving, printing, and postal applications because the rough surface can catch the edge of a sheet of paper and push it along.

People often think that the rough texturized surface will grip pulleys better and slip less than smooth belts, but surface contact area is what counts with urethane belting. Rougher means less surface contact and more slip.

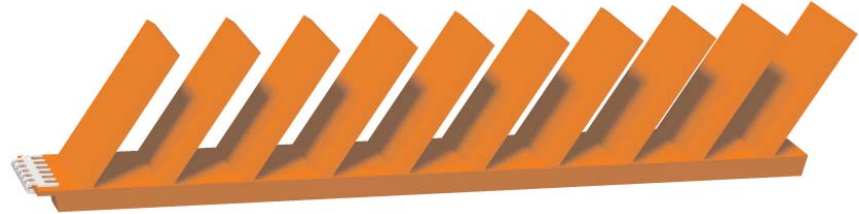
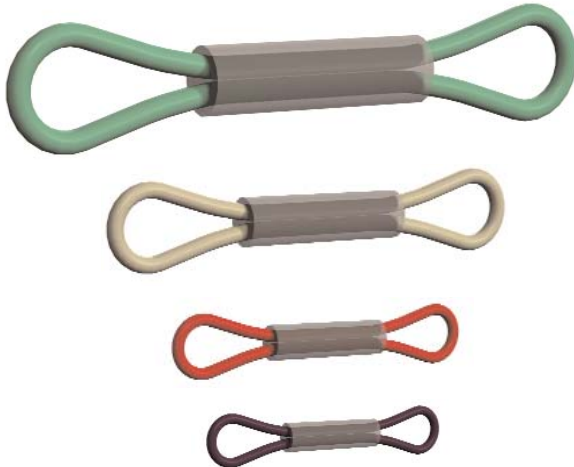
- Rough surface effectively makes belts more abrasive resistant.
- Not food grade -- rough surfaces can harbor bacteria so they are not USDA/FDA approved.
- Also available in softer 86A durometer for applications where more grip is desirable.
- Available with reinforcing polyester cord for applications that require less stretching.



Postal Auger Belts

► SPECIALTY BELTS**Twin-V Finned Connectable Belt**

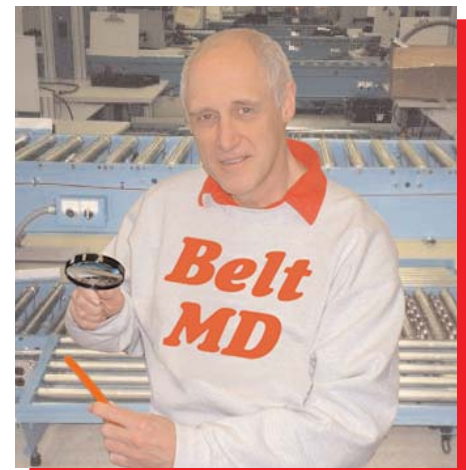
Some people call this the “famous fin belt”. Its fins flex over a million times per month, catching fast moving containers and thrusting them into cartons. Perhaps it became “famous” because many companies tried to prevent the fins from prematurely breaking off at the weld, but only one company succeeded -- Dura-Belt. We quickly developed the technology to apply our strong welds to angular joints. We also made the belts easily connectable, so they can be replaced with minimal downtime.

**Urethane Springs**

Hold-Down Clips (also called Schlingen or Loops) are urethane springs made from O-rings and polytubes. They are often used to connect the outside edge of wide flat belts to chains so that the flat belts can go around curves without slipping inward. Available in several styles, sizes, durometers, and colors -- either plain or lubricated for extra life. Also available in low temperature urethane (-10° F), and in “jungle urethane”, which is water, humidity, mold, and UV resistant.

► BELT DOCTOR

Jim Hammond is a physicist, who sometimes talks like a physician. “Most of my patients are certain they have a belt problem, but 14 years of experience have taught me that a properly designed, correctly installed belt is rarely the problem; rather it is a symptom of the problem. The belt is the softest part of a mechanical system, so it is almost always the first thing to fail when something malfunctions. I am like a pathologist, who starts with an autopsy of the deceased belt and works backward to find the cause of death.” If you have a pesky “belt problem”, call Doctor Jim for free technical assistance and let him help you find the cure.

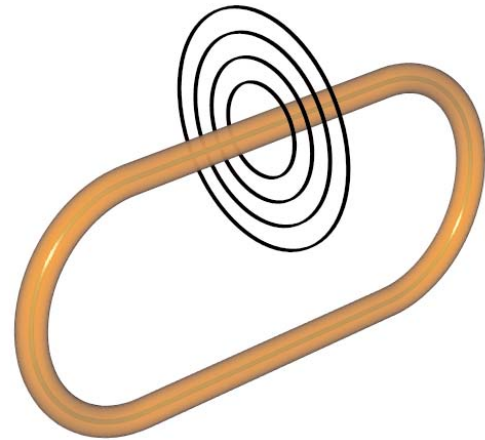


► Metal Detectable Belts

The problem with using elastic urethane belting in the food industry is that a broken belt that falls on a food conveyor cannot be detected with metal detectors, so it can get packaged with the food. Our new Metal Detectable belts, made from food grade urethane, solve this problem. Our Super Strong Welds should virtually eliminate the possibility of a belt breaking at the weld. Nevertheless, if for some reason these belts should break or be cut, they will be easily detected by metal detectors. In fact, in tests the detector was set off by our belts well before they entered the detector tunnel.

- Available in 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16" and 5/8" diameter.
- Food grade USDA/FDA approved.
- 85A durometer in clear, orange or yellow color.
- 92A durometer in vibrant blue color.
- Also available in most V-Belt sizes and colors.

WARNING: Urethane alone cannot be detected by metal detectors. Tiny imbedded copper wires make these belts detectable. If these belts abrade and urethane dust falls on the product, the dust will not be detected. Therefore, you should build safeguards that prevent abrasion, or that prevent abraded dust from falling on your product.



Belt is detectable with metal detectors



► Belt Sizing Software -- Free, on-line

**Method Three:
Two Pulley System.**

Belt cross-section diameter:	<input type="text" value=".25"/>
Diameter of Pulley 1:	<input type="text" value="3"/>
Groove depth of Pulley 1:	<input type="text" value=".125"/>
Diameter of Pulley 2:	<input type="text" value="2"/>
Groove depth of Pulley 2:	<input type="text" value=".125"/>
Center distance between pulleys:	<input type="text" value="8"/>
Stretch factor: (eg. Enter 10 for 10%)	<input type="text" value="10"/>

Enter one:

Inches: mm:

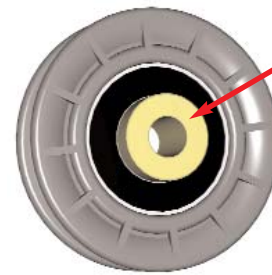
[Help](#)

Belt Cut Length:

Free belt sizing software lets you determine the optimum urethane belt for your application. Helps you select the proper belt profile (round, vee, or flat), dimensions, durometer (hardness), minimum pulley diameter, and tension. Also has conversion routines, e.g., rpm to feet per minute. Easy to use instructions. Works so well that it is used by our competitors. Simply visit www.durabelt.com and click on **Belt Sizer** at the top of the page. If you need further assistance, call our tech help hotline at 800-770-2358, or email info@durabelt.com

► IDLER & DRIVE PULLEYS

- **High precision extends belt life.** Our molded-in bearings are very precise. True-running idlers extend belt life.
- **Rugged.** Our idlers are used in hostile environments where high speeds (3600 rpm) and high temperatures (170°F) far exceed stresses encountered in most conveyors. Even under such severe conditions, our molded-in bearings will not separate from nylon rim.
- **Higher Quality and Lower Prices.** The production of molded-in bearings improves quality and reduces costs and prices.
- **Materials:** Nylon rims are reinforced with fiberglass. Standard 6203 bearings A.B.E.C.-1 with seals or shields. Powered metal bore adapters.



Bore Adapter Types:

1. Bushing adapter - flush with bearing sides.
2. Shoulder adapter - sticks out on one side.
3. Clevis adapter - sticks out on both sides.



Twin Idler -- two grooves

Round Idlers

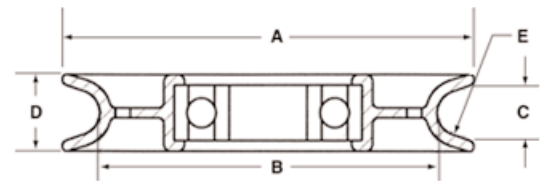
Part Number	A	B	C	D	E	Notes
Idler 3/16 x 3.5" dia	3.50	2.75	.35	.65	R.100	Cable Idler
Idler 3/16 x 4.5" dia	4.50	3.70	.36	.65	R.100	Cable Idler
Idler twin 1/4 x 2.15"	2.15	1.83	.32	.81	R.160	Twin Idler
Idler 1/4 x 3.5" dia	3.50	2.75	.40	.65	R.130	Cable Idler
Idler 1/4 x 4.50" dia	4.50	3.70	.41	.65	R.130	Cable Idler
Idler 5/16 x 2.13" dia	2.13	1.63	.34	.50	R.170	15mm bore
Idler twin 5/16 x 2.15"	2.15	1.83	.32	.81	R.160	Twin Idler
Idler 5/16 x 2.5" dia	2.50	1.88	.38	.65	R.195	
Idler 3/8 x 3" dia	3.08	2.44	.38	.65	R.195	
Idler 3/8 x 3.5" dia	3.50	2.88	.38	.65	R.195	
Idler 3/8 x 4" dia	4.00	3.38	.38	.65	R.195	

V-Idlers

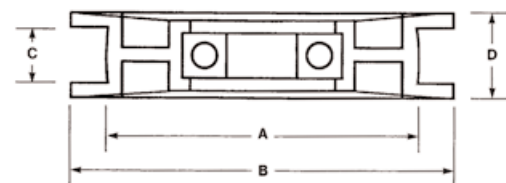
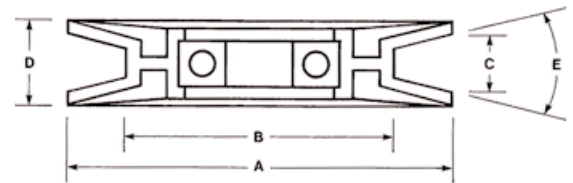
Part Number	A	B	C	D	E	Belt size
Idler A-sec x 2" dia	2.00	1.36	.37	.62	32	A, 12mm bore
Idler A-sec x 2.5" dia	2.50	1.75	.51	.74	32	A
Idler A-sec x 2.87" dia	2.87	1.75	.49	.74	32	A
Idler A-sec x 3" dia	3.00	1.96	.49	.70	32	A
Idler A-sec x 3.5" dia	3.48	2.58	.50	.68	34	A
Idler A-sec x 3.56" dia	3.56	2.50	.58	.78	34	A
Idler A-sec x 4" dia	4.00	2.62	.50	.87	34	A
Idler B-sec x 3" dia	3.00	1.79	.64	.81	34	B
Idler B-sec x 3.5" dia	3.47	2.26	.64	.81	34	B
Idler B-sec x 4" dia	4.00	2.79	.64	.81	34	B
Idler B-sec x 5" dia	5.00	3.75	.64	.81	34	B
Idler B-sec x 6" dia	6.00	4.79	.64	.87	34	B
Idler B-sec x 7" dia	7.00	5.00	.93	1.15	34	B
Idler C-sec x 7" dia	7.00	5.00	.93	1.15	34	C

Flat Idlers

Part Number	A	B	C	D	Crown
Flat Idler 1.75 x .75	1.75	2.22	0.75	0.93	0.016
Flat Idler 1.88 x .50	1.88	2.12	0.51	0.70	0.012
Flat Idler 1.88 x .75	1.88	2.00	0.75	0.97	0.016
Flat Idler 1.88 x 1.38	1.88	2.09	1.38	1.56	0.016
Flat Idler 2.25 x .75	2.25	2.72	0.75	0.93	0.016
Flat Idler 2.5 x .75	2.50	2.97	0.75	0.93	0.02
Flat Idler 2.5 x 1	2.50	2.97	1.00	1.18	0.02
Flat Idler 2.75 x .75	2.75	3.22	0.75	0.93	0.016
Flat Idler 2.75 x .86	2.75	3.19	0.86	1.05	0.018
Flat Idler 2.75 x 1	2.75	3.22	1.00	1.18	0.02
Flat Idler 3 x .75	3.00	3.50	0.75	1.01	0.016
Flat Idler 3 x 1.01	3.00	3.47	1.01	1.18	0.02
Flat Idler 3.13 x .75	3.12	4.00	0.75	1.11	0.016
Flat Idler 3.5 x .75	3.50	4.12	0.75	0.98	0.016
Flat Idler 3.5 x .97	3.50	3.97	0.97	1.15	0.02
Flat Idler 4 x .72	4.00	4.60	0.72	1.06	0.016
Flat Idler 4 x .86	4.00	4.75	0.86	1.34	0.018
Flat Idler 4 x 1	4.00	4.62	1.00	1.18	0.02
Flat Idler 4.5 x .96	4.50	4.96	0.96	1.13	0.02
Flat Idler 5.0 x 1.25	5.00	5.88	1.25	1.56	0.02
Flat Idler 5.5 x 1.00	5.50	6.00	1.00	1.26	0.02
Flat Idler 6.0 x .75	6.00	6.50	0.75	0.99	0.016
Flat Idler 6 x 1.00	6.00	6.50	1.00	1.28	0.02



Note: Unless otherwise indicated all idler pulleys come with a 6203 bearing that has a 17mm bore. See bore adapters below.



Bore Adapters: Available for shaft sizes of 5/16", 3/8", 10mm and 1/2" in three styles (see other dimensions at www.durabelt.com):

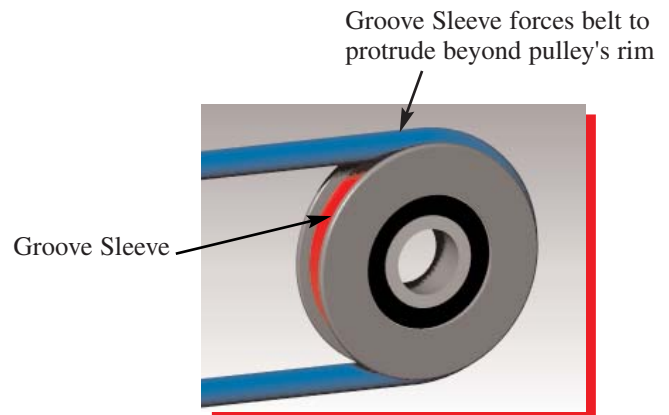
1. **Bushing adapters** -- flush with the bearing width.
2. **Shoulder adapters** -- stands out from the bearing on one side, eliminating the need for washers.
3. **Clevis adapters** -- stands out on both sides.

Drive Adapters: Converts idlers to drive pulleys. (See dimensions at www.durabelt.com)

▶ GROOVE SLEEVES

For Deep Pulley Grooves

- Groove Sleeves let you adjust the amount of belt protruding beyond the edge of the idler.
- Four thicknesses: 1/32", 1/16", 3/32", and 1/8"
- Use with standard idlers. No need to buy expensive customized idlers. No tooling charges.
- Preinstalled on our drive or idler pulleys, or install them yourself on your pulleys.



For Wet or Dusty Rollers & Pulleys

- Anti-Slip Sleeve fits snugly in the bottom of roller grooves and greatly increases coefficient of friction between roller and drive belt.
- Works well in most wet or dusty environments.
- Easily installed with RAVE® hair spray.
- Slip resistant, especially with Super-Glue.
- Very thin so belt will not protrude above roller.



▶ WHEELS & TIRES

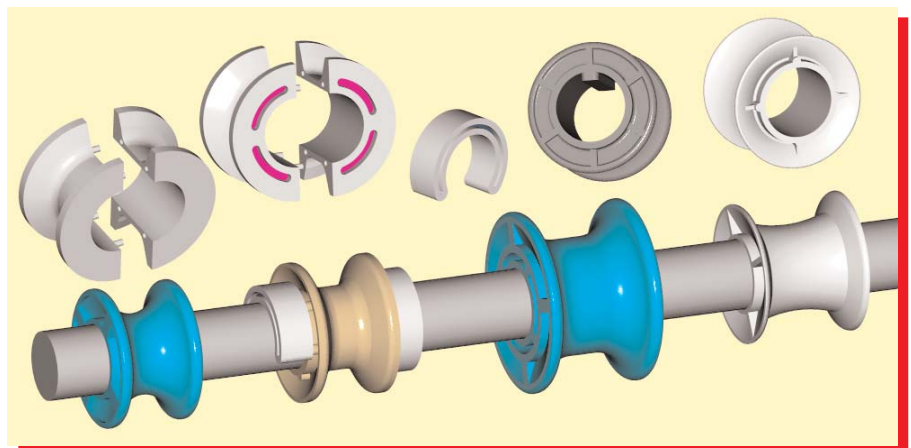
We can transform any idler or drive pulley into a wheel (or diverter wheel) with the addition of a round, flat or Vee shaped solid urethane tire. Tire durometers: 70A, 75A, 80A, 83A, 85A, 88A, 90A, 92A, and 95A. Colors: clear, orange, red, blue, and green.



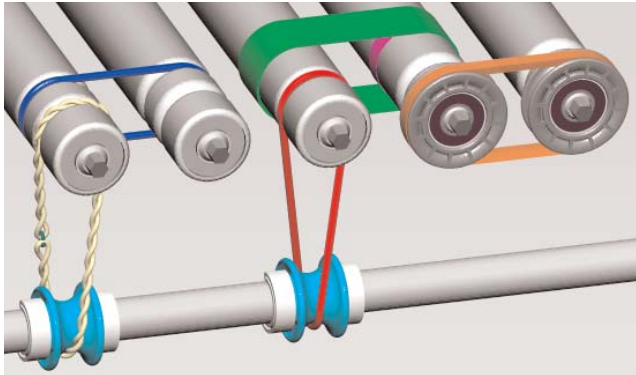
▶ LINESHAFT SPOOLS & C-CLIPS

Probably the most complete range of lineshaft spools & C-clips

- Most sizes, shapes and colors.
- Fits nearly all US conveyors.
- Delrin® or UHMW.
- Keyed spools
- Split spools
- Speedup spools



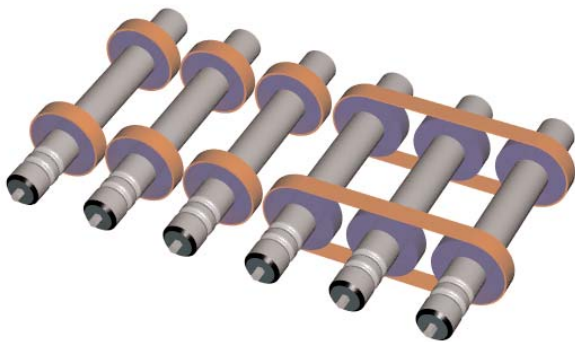
Our belts are required by law -- Murphy's



Colored Urethane Belts

- Color-coded belts prevent installation errors.
- Unlike clear belts, our colored belts are **highly visible**, so you know at a glance they are up and running.
- Easily found when dropped on the floor.
- We offer the most colors -- translucent or opaque. Also available in clear color.

New Product



Roller Spacers

Blue PVC roller spacers with orange urethane tires and/or flat belts.

- Available with any I.D. and O.D. (diameters).
- Any width from 1/2" to 1.5"
- 80A or 90A durometer spacers. 83A tires/belts.
- No tooling charge.
- Relatively low cost -- even in small quantities.
- Fast delivery.
- Easy to install.

World's Longest* Belt Warranty

Dura-Belt will replace or repair, at our option, any of our urethane belts that are defective in materials or workmanship, or break at the weld within two years of shipment, provided the belts have been used in accordance with Dura-Belt's instructions and specifications. Unworn belts will be replaced or repaired free of charge, but replacement of worn belts may entail a pro-rata charge for wear and tear. Dura-Belt shall not be liable for installation or shipping charges. This warranty does not cover breakage caused by abuse, abrasion, corrosion, alteration, accident, misuse, neglect, acts of God, wear and tear, or welds not made by Dura-Belt. This warranty is made exclusively between Dura-Belt Inc. and the End-Users of its products. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, ARE EXPRESSLY EXCLUDED. DURA-BELT ASSUMES NO LIABILITY FOR DIRECT OR INDIRECT DAMAGES, LOST PROFITS, OR ANY CONSEQUENTIAL DAMAGES.

Before making a substantial purchase, users should test a number of prototype belts under the same conditions in which the belts will be expected to operate.

*To the best of our knowledge, as of September 30, 2004 our warranty is by far the world's longest definite duration warranty for elastic urethane belting. If any bonafide competitor should ever publish a reasonable warranty that has the same or longer definite duration, we will match their duration, plus one year.

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Fax: 614-777-9448
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