



V-Guiding

Standard Belt Selection Guide

Standard belt material is stocked at Dorner, then cut & spliced at the factory for fast conveyor shipment.

Belt Type - Finger Splice	Belt Type - Plastic Clipper	Belt Type - Metal Clipper	Belt Specifications	V-Guidable	16 mm Nose Bar	Belt Thickness	Surface Material	Maximum Part Temperature	Coefficient of Friction	FDA Approved	Anti-Static	Static Conductive	Chemical Resistance	Special Characteristics or Applications
01	A1	1A	FDA Accumulation	x		1.7 mm	Urethane	100°C	Low	x	x		Good	Packaging, clean room and inspection
02	A2	2A	General Purpose	x		1.8 mm	Urethane	100°C	Med	x	x		Good	Most versatile belt offering
03	A3	3A	FDA High Friction	x		1.7 mm	Urethane	100°C	High	x	x		Good	Packaging, clean room and inspection
05	A5	5A	Accumulation	x	x	1.2 mm	Urethane	100°C	V-Low	x	x		Good	Accumulation of products
06	A6	6A	Electrically Conductive	x		1.6 mm	Urethane	80°C	V-Low		x	x	Good	Electronics Handling
08	A8	8A	High Friction	x		2.1 mm	PVC	70°C	V-High		x		Poor	Conveys up to 35° inclines*
09			iDrive General Purpose	x	x	1.5 mm	Urethane	100°C	High	x			Good	Lower No Load Torque

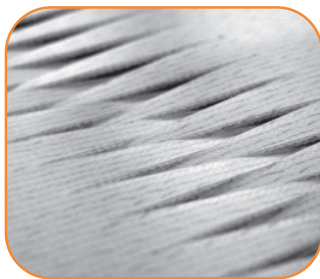
Note: See below for splice details. Plastic Clipper splice requires longer lead times. Clipper splice not available on Z-Frame Series Conveyors.

Note: Belts with V-Guiding may have a slight high spot or rib on the top surface. This rib would run longitudinally along the center of the belt.

Consult factory with applications for which this may cause interference.

*Incline varies due to factors like dust, fluids and part material.

BELT SPLICING



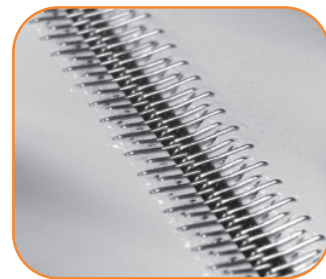
Finger Splice

All belts are available with a standard Thermoformed finger splice. This splice makes the belt continuous and is virtually undetectable. Splice bonding methods vary by belt type. Consult factory for details.



Plastic Clipper**

An optional plastic clipper splice is available for quick removal of belts or when conveyors are installed in tight spaces.



Metal Clipper**

An optional metal clipper splice is also available for quick removal of belts or when conveyors are installed in tight spaces.

**** See belt charts for compatibility. Not for use with 2200 Series Nose Bar Transfers. Plastic and Metal Clippers are slightly thicker than base belt. Contact factory for details.**



Specialty Belt Selection Guide

Specialty belt material is not stocked at Dorner and needs to be custom ordered for your special conveyor needs.

Belt Type - Finger Splice	Belt Type - Plastic Clipper	Belt Type - Metal Clipper	Belt Specifications	V-Guideable	16 mm Nose Bar	Belt Thickness	Surface Material	Maximum Part Temperature	Coefficient of Friction	FDA Approved	Anti-Static	Static Conductive	Chemical Resistance	Special Characteristics or Applications
19			Nose bar High friction		x	0.7 mm	Urethane	100°C	High	x	x		Good	Nose bar, high friction
50			Heat Resistant			1.3 mm	Silicone	180°C	Low		x		V-Good	High temperature
53			Translucent		x	0.5 mm	Urethane	100°C	V-Low	x			Good	Back lit inspection
54	F4	4F	FDA Sealed Edge**	x		1.6 mm	Urethane	80°C	Low	x	x		Good	Packaging, clean room and inspection
55	F5	5F	FDA Sealed Edge**	x		1.6 mm	Urethane	80°C	High	x	x		Good	Packaging, clean room and inspection
56		6F	Cut Resistant	x		2.1 mm	Urethane	100°C	Med.		x		Good	Oily product release, metal stamping
57		7F	Cut Resistant	x		2.5 mm	Nitrile	80°C	Med.		x		Poor	Felt-like, dry metal stamping, glass and ceramic
58		8F	Cut Resistant	x		1.6 mm	Urethane	90°C	Low		x		Good	Surface gold colored
59	F9	9F	Color Contrasting	x		1.6 mm	PVC	70°C	Med.		x		Poor	Black colored, hides overspray from ink jet
60	G0	0G	Color Contrasting	x	x	1.3 mm	Urethane	100°C	Low	x	x		Good	Green colored
61	G1	1G	Color Contrasting	x	x	1.3 mm	Urethane	100°C	Low	x			Good	Blue colored
63		3G	Electrically Conductive	x		1.2 mm	Urethane	80°C	Low		x	x	Good	Static conductive, electronics handling
64		4G	High Friction	x		4.4 mm	PVC	80°C	V-High		x		Poor	Dark Green colored, rough top surface, product cushioning, incline/decline apps
66		6G	Chemical Resistant	x		1.7 mm	Polyester	100°C	Med.	x	x		V-Good	Good cut resistance, metal stamping apps
67			Low Friction Cleated (Do not use with Z-Frame)	x		1.6 mm	Polyester	100°C	n/a	x			Good	Excellent product release, consult factory for part number and how to specify low friction
68	G8		FDA Encased**	x		1.5 mm	Urethane	80°C	Low	x	x		Good	Urethane enclosed for added sanitary protection
69	G9		FDA Encased**	x		2.2 mm	Urethane	80°C	Med.	x	x		Good	Urethane enclosed for added sanitary protection
71			FDA High Release	x		1.8 mm	Urethane	100°C	Low	x			Good	High release cover
72			Nose bar	x	x	1.2 mm	Urethane	100°C	Med.	x	x		Good	16 mm Nose bar, medium friction
73			Nose bar Low friction		x	0.9 mm	Urethane	100°C	Low	x	x		Good	Nose bar, low friction
75			Black Urethane	x		1.5 mm	Urethane	80°C	Low		x		Good	
76			Black Nose bar	x	x	1.2 mm	Urethane	80°C	Med.		x		Good	Black Color, 5/16" nose bar
77			High Friction, green	x		2.2 mm	Urethane	100°C	High		x		Good	Green color, high friction, urethane, grooved
78			Chemical, Polyolefin, HF			1.4 mm	Polyolefin	60°C	High	x			V-Good	Chemical resistant, food grade
79			Chemical, Polyolefin, LF			1.3 mm	Polyolefin	60°C	Med.	x	x		V-Good	Chemical resistant, food grade
80			High Friction, silicone	x	x	1 mm	Silicone	80°C	High	x			Good	Silicone material, high friction
81			Low Friction, silicone	x	x	1 mm	Silicone	100°C	Med.	x			Good	Silicone material, low to medium friction

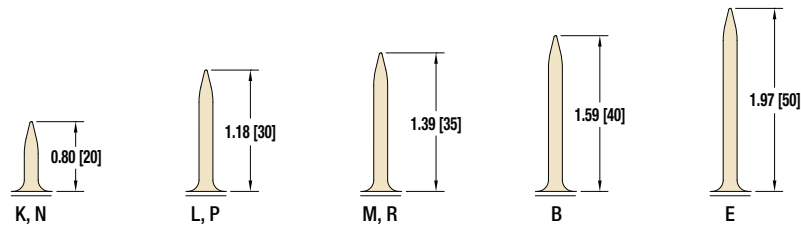
Note: Clipper Splices not available on Z-Frame Series Conveyors.

Note: Conveyors wider than 1,016 mm require V-Guide belt tracking

Note: Belts with V-Guiding may have a slight high spot or rib on the top surface. This rib would run longitudinally along the center of the belt. Consult factory with applications for which this may cause interference.

** Not available in 51 mm widths

Cleated Belt Profiles



Cleated Belt Selection Guide

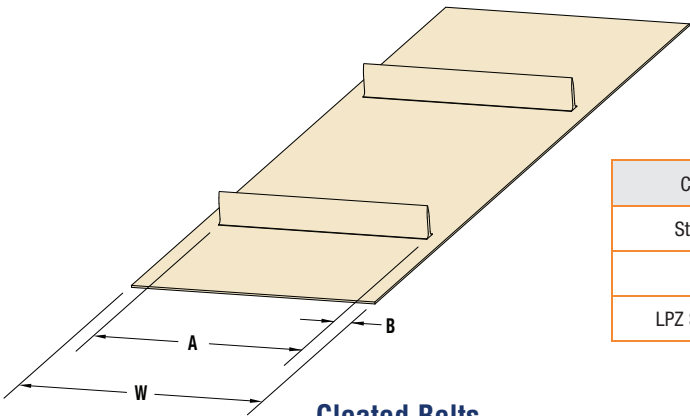
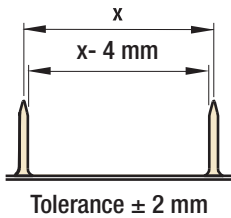
Cleat Type	Base Belt	Belt Thickness	Surface Material	Color	Coefficient of Friction	V-Guidable	Maximum Part Temperature	FDA Approved	Chemical Resistance
K, L, B, E	G-3-ST	2 mm	PVC	Green	Medium	No	80° C	No	Poor
K, L, M, B, E, N, P, R	G-3-ST-W	1.3 mm	Urethane	White	Medium	Yes	90° C	Yes	Good

Note: For Straight Cleated Conveyors = 20, 30, 35 mm
For LPZ Cleated Conveyors = 20, 30, 35, 40, 50 mm
For LPZ Sidewall Cleated Conveyors = 20, 30, 35 mm

Cleated Belt Spacing

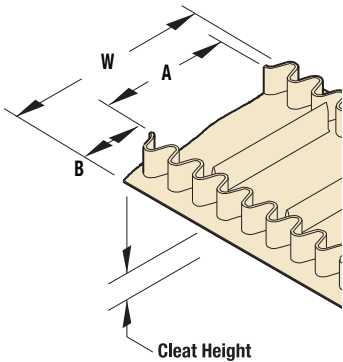
- Minimum cleat spacing = 50 mm
Cleat Selection could impact the minimum spacing.
Contact the factory for details.

*Maximum cleat spacing for 457 mm and wider conveyors = 500 mm
**Maximum cleat spacing for 2134 mm and longer conveyors = 500 mm
457 mm and wider conveyors are limited to 2100 mm long



Cleated Belts

W = Width
A = Cleat Width
B = Offset



Sidewall Cleated Belts

Conveyor Type	Cleat/Pocket Width (A)	Offset (B)
Straight Cleated	W-40 mm	20 mm
LPZ Cleated	W-102 mm	51 mm
LPZ Sidewall Cleated	W-190 mm	80 mm