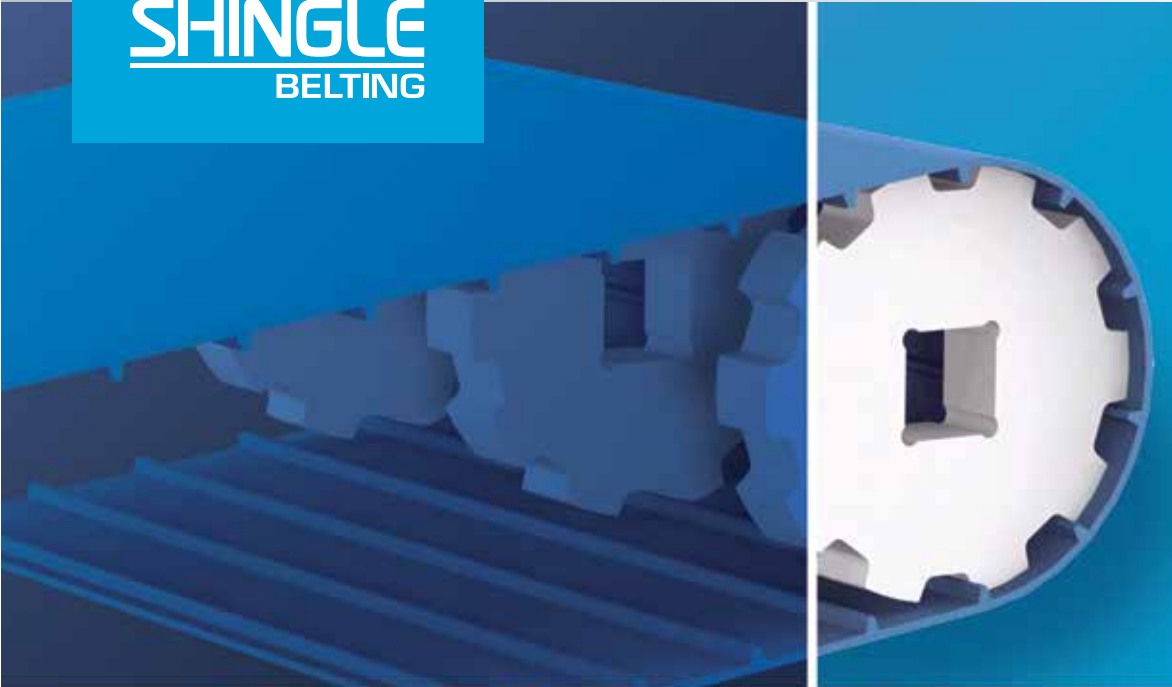


SHINGLE BELTING



WE'LL HELP YOU
MEET YOUR UNIQUE
CHALLENGES

Polyflex Drive 

ABOUT US



With **over 40 years of experience** in the design and manufacture of thermoplastic belting products, Shingle Belting is committed to providing our customers with quality, application-based solutions. Our wide range of resins, engineered compounds, and state of the art manufacturing processes allow Shingle to offer maximum belting performance. Our corporate philosophy emphasizes flexibility, quick turnaround time, and consistent quality as an integral part of responding to our customers' individual needs.

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POLYFLEX DRIVE ADVANTAGES



Hygienic, homogeneous construction with no cords and with fully molded teeth decreases bacteria contamination

Easily cleaned construction decreases water and detergent consumption by up to 70%

Excellent cut & abrasion resistance and excellent resistance to solvents, oils and greases

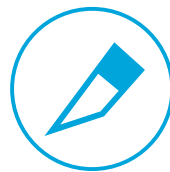
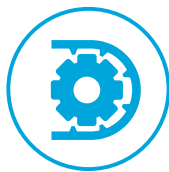
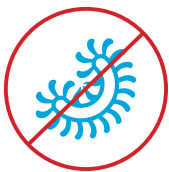
Deeper tooth design eliminates slippage and provides optimum sprocket engagement for maximum drive

Zero-tension belt system reduces stress on conveyor components such as bearings and shafts, and increases belt and conveyor life

Easy, fast butt splice minimizes downtime

Durable HDPE sprockets in multiple sizes

Easily retrofitted on modular belting applications



Polyflex Drive

Polyflex Drive

Extruded thermoplastic positive drive belting with a homogeneous construction and integral teeth on the pulley side.



DRIVE

*h= Belt Thickness
H= Belt Thickness + 5.5 mm

Pitch Between Teeth: 49.9 mm
Standard Belt Width: 1850 mm / 72.8 in.

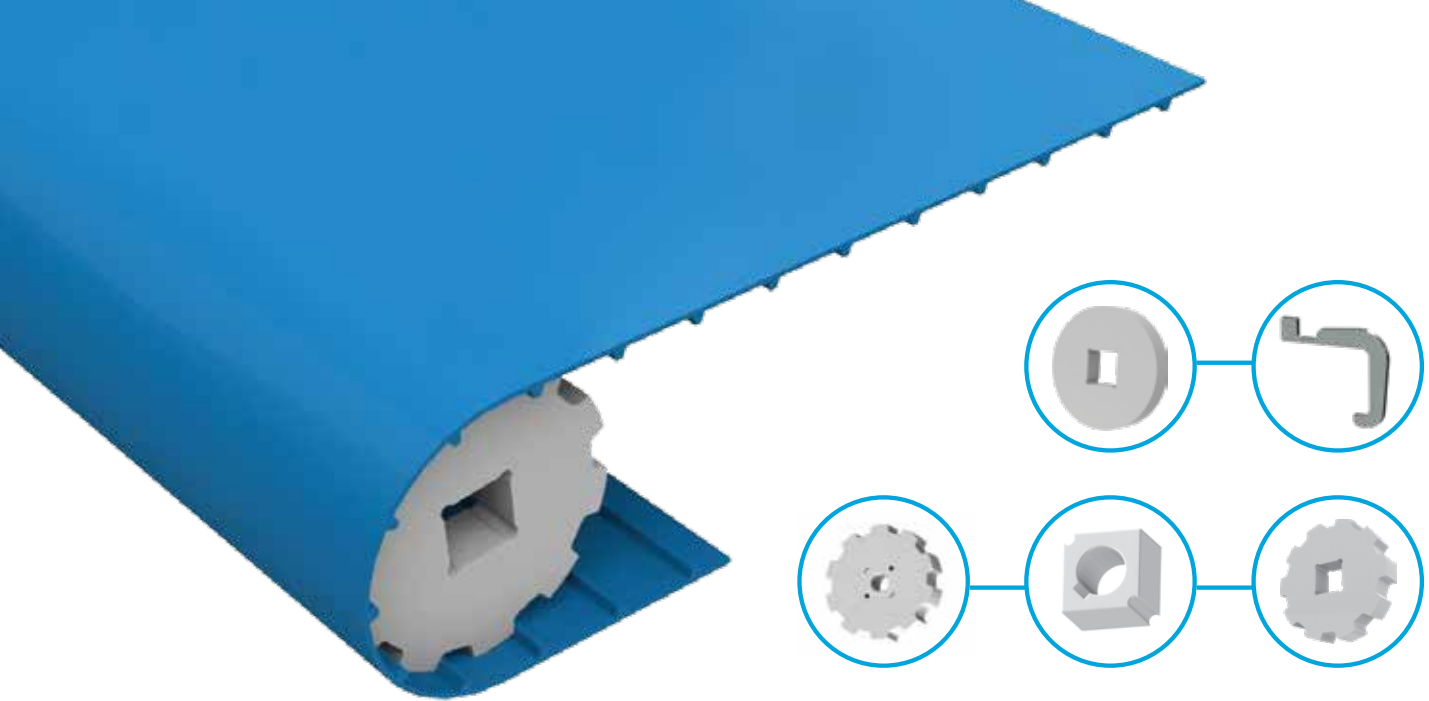


POLYFLEX DRIVE 30S – PD50

Color	Blue	
Surface Finish	Smooth	
Durometer	95 ShA	
FDA/USDA	Yes	
	(in.)	(mm)
Pitch	1.96	50
Thickness (Belt)	0.120	3.0
Overall Thickness	0.338	8.6
Minimum Pulley	3.75	95
Manufactured Width	72.8	1850
	—	—
Weight	0.983 lbs/ft ²	4.8 kg/m ²
Temperature Range	-4°F to +140°F	-20°C to +60°C
Coefficient of Friction		
HDPE	0.20	
S/S	0.52	

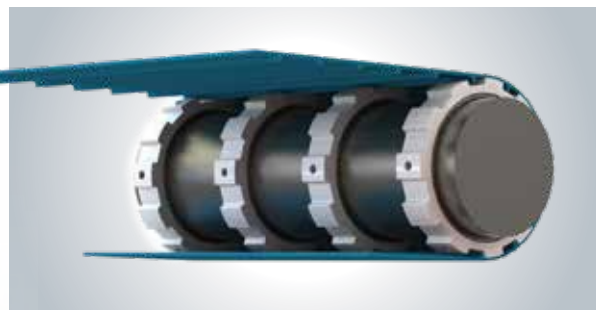
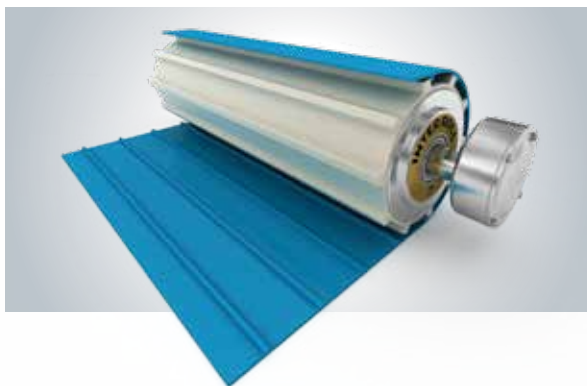


Also available in 25 mm. pitch –
Call 800-345-6294 for more information



POLYFLEX DRIVE ACCESSORIES						
ITEM DESCRIPTION	PRODUCT	MATERIAL	SQUARE BORE (mm/in.)	DIAMETER (mm/in.)	# OF TEETH	WIDTH (mm/in.)
PDS-38-95/6	Sprocket	HDPE	38 / 1.5	95 / 3.74	6	32 / 1.25
PDI-38-83	Idler	HDPE	38 / 1.5	83 / 3.27	—	32 / 1.25
PDS-38-128/8	Sprocket	HDPE	38 / 1.5	128 / 5.04	8	32 / 1.25
PDI-38-116	Idler	HDPE	38 / 1.5	116 / 4.56	—	32 / 1.25
PDS-38-161/10	Sprocket	HDPE	38 / 1.5	161 / 6.38	10	32 / 1.25
PDI-38-161	Idler	HDPE	38 / 1.5	149 / 5.86	—	32 / 1.25
PDS-38-193/12	Sprocket	HDPE	38 / 1.5	193 / 7.60	12	32 / 1.25
PDI-38-181	Idler	HDPE	38 / 1.5	181 / 7.12	—	32 / 1.25
PDC-38	Retaining Clip	—	38 / 1.5	—	—	—

As an alternative to a sprocket/shaft drive, **Polyflex Drive** can be driven with S/S or plastic profiled drums, or with sprockets mounted on a smooth drive drum.





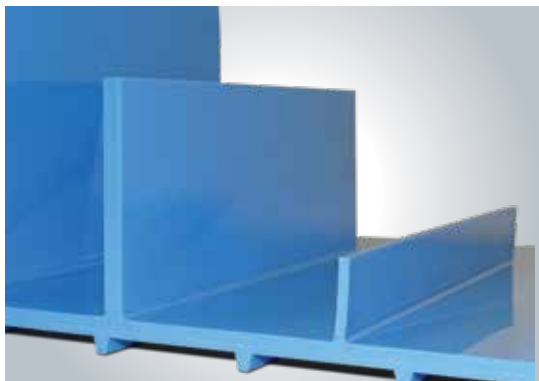
FABRICATION

PROFILES

- Polyflex Drive is available with a variety of cleats
- Cleats can be high-frequency welded to meet HACCP standards
- Gussets can be added as reinforcement for heavy loads
- Cleats are available 2 mm-5 mm / 0.07 in.-0.19 in. thick in heights up to 127 mm / 5 in.



Gusseted cleats



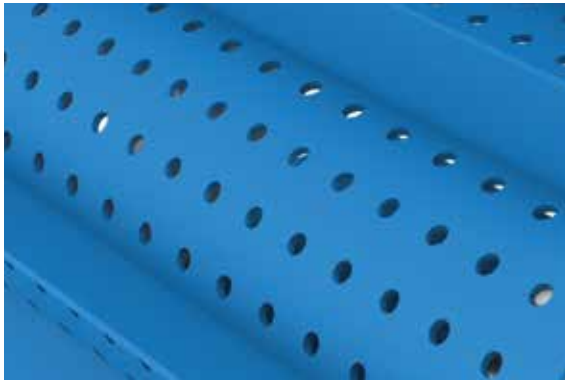
2 mm-5 mm / 0.07 in.-0.19 in.
thick cleats

25.40 mm-127 mm / 1 in.-5 in.
high cleats

SIDEWALLS

- Sidewalls are available for added product containment
- Sidewalls are available in a variety of heights





PERFORATIONS

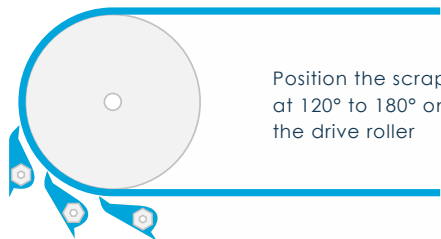
Perforated belts facilitate the draining of the products conveyed. Custom perforation patterns are available upon request.



PU SCRAPER

Efficiently cleans the belt, ensuring permanent cleanliness of conveyor belts and avoids:

- Product build-up/conveyor jams
- Material contamination
- Costly product loss

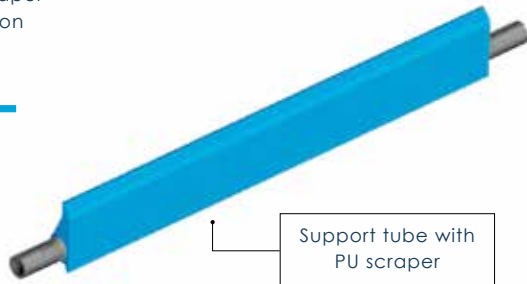


Position the scraper at 120° to 180° on the drive roller

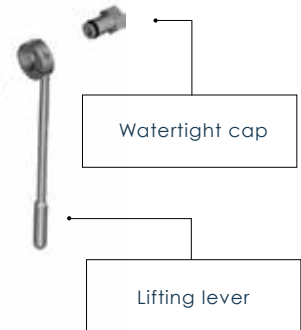
Clamping cone



Torsion system



Support tube with PU scraper



Watertight cap

Lifting lever



SPLICING METHODS

BUTT WELDING

Welding plates maintain the Polyflex Drive pitch for a perfect butt weld. The welder is lightweight and the splice is quick and easy in the workshop or in the field.



Polyflex Drive welder



Welding plates



Splice kit

LEISTER WELDING

Polyflex Drive can be welded with a Leister gun and Polyflex welding rod. The pitch of the teeth must be maintained during the welding process.



TPU LACE

- TPU lace is particularly suitable in metal detecting applications or applications where belts must be removed regularly
- Recommended minimum pulley diameter of 4.75 in. (120 mm)



MECHANICAL FASTENERS

- Suitable for all widths using standard mechanical fastening techniques
- The pitch of the teeth must be maintained



INDUSTRIES



Meat



Poultry



Fish



Cheese / Dairy



Frozen Foods



Fruit



Vegetables

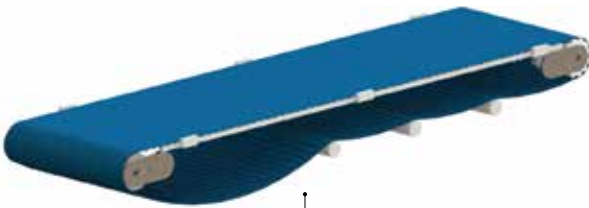


Bakery &
Confectionery

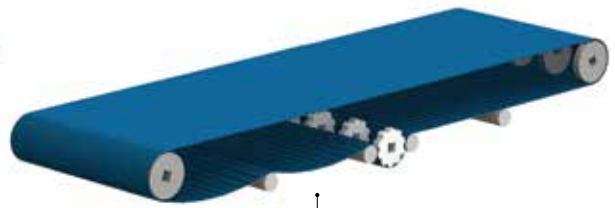


Snack Foods

CONVEYOR DESIGNS



HORIZONTAL CONVEYOR



BI-DIRECTIONAL CONVEYOR



CLEATED/SIDEWALL CONVEYOR



Z-CONVEYOR



TROUGH CONVEYOR

SHINGLE

BELTING

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website: www.shinglebelting.com