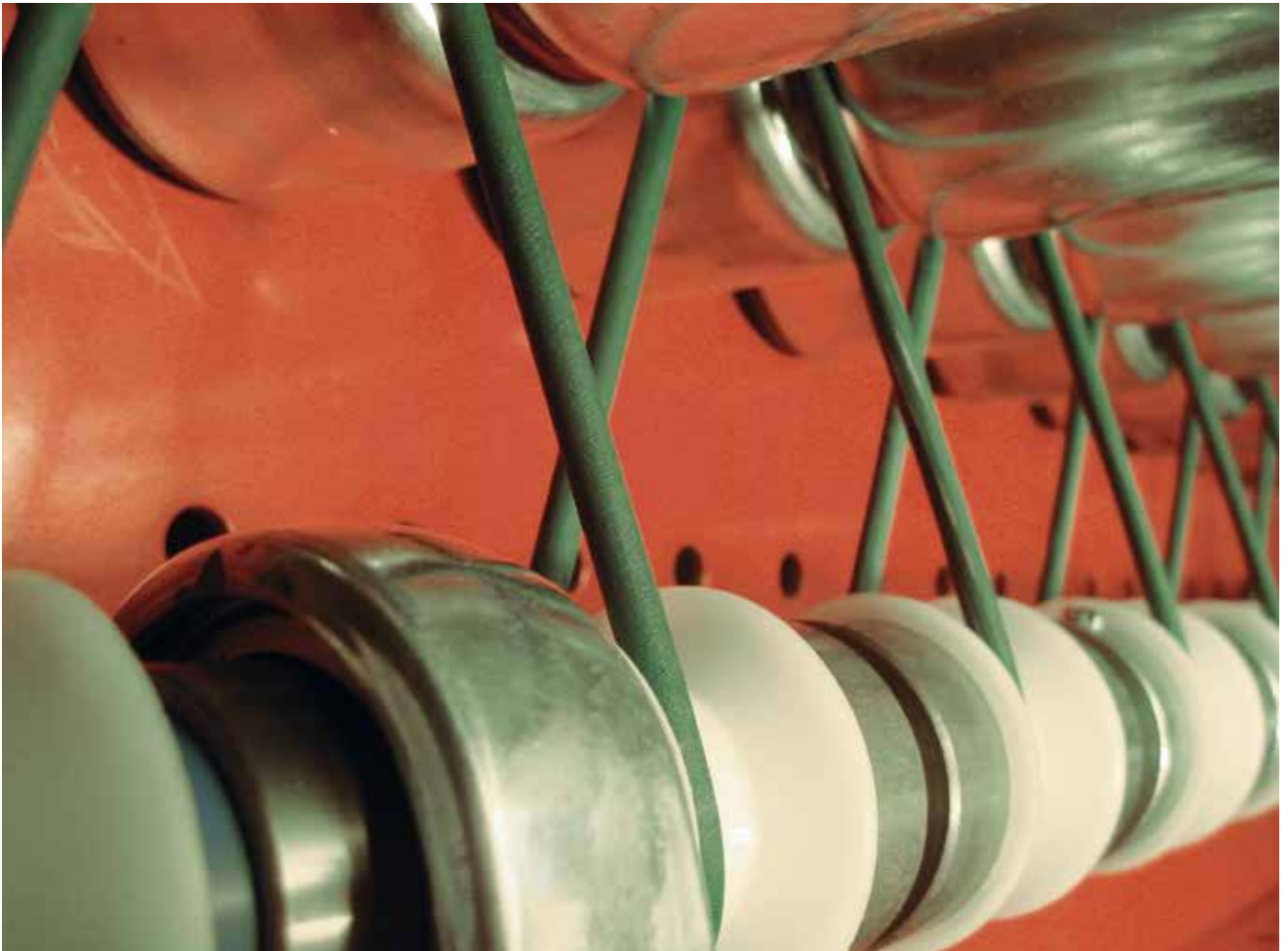




ROUND BELTS
VERY FLEXIBLE PRODUCTS
FOR CONVEYORS AND DRIVES



ROUND BELTS

VERY FLEXIBLE PRODUCTS FOR CONVEYORS AND DRIVES

Round belts offer maximum flexibility and efficiency. Thanks to their special cross-section and exceptional elasticity, they enable small end diameters and any deflection direction – so processes go as planned. The belts are quick and easy to fit, which minimizes downtime and ensures your machinery's availability is outstanding. As a reliable conveying solution, or powerful drive component, our round belts optimize your processes and boost productivity.

Characteristics

Round belts score top marks in many respects, making them ideal for diverse applications.

What makes our round belts so special:

- Superior flexibility
- High elasticity
- Exceptional abrasion resistance
- Outstanding tensile strength
- Fast and easy fitting
- Good chemical resistance

Applications

Round belts are versatile and customizable for a variety of applications.

Find out more about our round belts and the broad range of applications they can be used in:

Conveying in

- The textiles industry
- The wood industry
- The ceramics industry
- The food industry
- The packaging industry
- The chemicals industry

As drive components

- In precision engineering
- In mechanical engineering (e.g. live rollers)



Product range

Material	Hardness [Shore]	Colour & Surface	Recommended elongation at fitting [%]	Operating temperature permitted [°C]	Antistatic/ highly conductive	FDA/EC/BfR-compliant	USDA compliant (smooth surface)	k _{1%} static/ k _{1%} relaxed [N]	Friction coefficient approx.			Diameters [mm]																		
									Steel	PE	HDPE	2	3	4	4.8	5	6	7	8	9	10	12	15							
U	87 A	green rough	6 – 8	-20/+60	-	-	-	3.9/3.2	0.45	0.30	0.25	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	
U	84 A	blue rough	6 – 8	-20/+60	-	yes	-	3.6/2.5	0.65	0.35	0.30		●	●		●	●		●		●		●	●	●	●				
E	40 D	beige smooth	2 – 4	-30/+60	-	yes	yes	8.2/6.6	0.50	0.30	0.25		●	●		●	●		●		●		●	●	●	●	●			
U	84 A	blue smooth	6 – 8	-20/+60	-	yes	yes	3.6/2.5	0.65	0.35	0.30		●	●		●	●		●		●		●	●	●	●	●			
U	84 A	transparent smooth	6 – 8	-20/+60	-	yes	yes	3.4/2.4	0.65	0.35	0.30		●	●	●	●	●		●		●		●	●	●	●	●			
U	80 A	red smooth	6 – 8	-20/+60	-	-	-	2.8/2.1	0.70	0.40	0.35		●	●		●	●		●		●		●	●	●	●	●			
U	85 A	black smooth	6 – 8	-15/+60	yes	-	-	6.8/4.4	0.50	0.30	0.25		●	●		●	●													

U Polyurethane elastomer

E Polyester elastomer

On request:

- Other materials, colours and properties

- Co-extruded: Surface and core are made of different materials



Green rough

Live roller belts and conveying packaged and unpackaged products of all types



Blue rough

Conveying food and medical equipment components



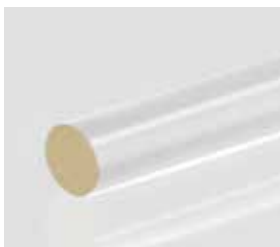
Beige smooth

Accumulation conveying of material; in refrigerated warehouses with packaged and unpackaged foodstuffs



Blue smooth

Conveying unpackaged foodstuffs (sausage and cheese)



Transparent smooth

Live roller belts for the logistics and food sectors



Red smooth

Conveying materials requiring good grip



Black smooth

Conveying electronic components (circuit boards)



For more information go to:
www.forbo-siegling.com > Products >
 Supplementary products > Round belts

SPLICING TECHNIQUES

Endless splicing

The round belt crimping pliers (RPZs) can splice a belt of any size in just a few minutes. The practical set with pliers and lots of accessories has everything required for secure and time-saving splicing.



The round belt crimping pliers come with a quick-release lever and a screw clamp



Sets come with temperature-controlled (TC) soldering irons and without temperature control

	230 V		115 V
	with TC	without TC	without TC
RPZ with screw clamp	208760	870006	870005
RPZ with quick-release lever	208757	871753	871752

Set material numbers



Cut round belts to the right length



Heat up the soldering iron



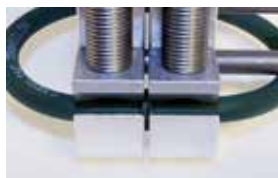
Set the RPZ to the correct belt diameter



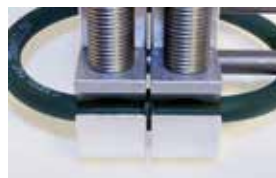
Insert the belt ends into the pliers and fix in place



Melt the ends of the belt on the welding plate



Join the ends of the belt together



Let the splice cool down



Remove the weld bead

Measuring and cutting to length

The correct round belt length for the order is calculated from the length of the pitch line (the middle of the round belt) minus the intended elongation.



To identify the required length, use our calculation program:
www.forbo-siegling.com > Products > Supplementary products > Round belts

Siegling – total belting solutions

Committed staff, quality oriented organization and production processes ensure the constantly high standards of our products and services.

Forbo Movement Systems complies with total quality management principles. Our quality management system has ISO 9001 certification at all production and fabrication sites. What's more, many sites have ISO 14001 environmental management certification.



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Our service – anytime, anywhere

Forbo Movement Systems employs around 2,500 people in its group of companies. Our products are manufactured in ten production facilities across the world.

You can find companies and agencies with warehouses and workshops in over 80 countries.

Service points are located in more than 300 places worldwide.

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MOVEMENT SYSTEMS