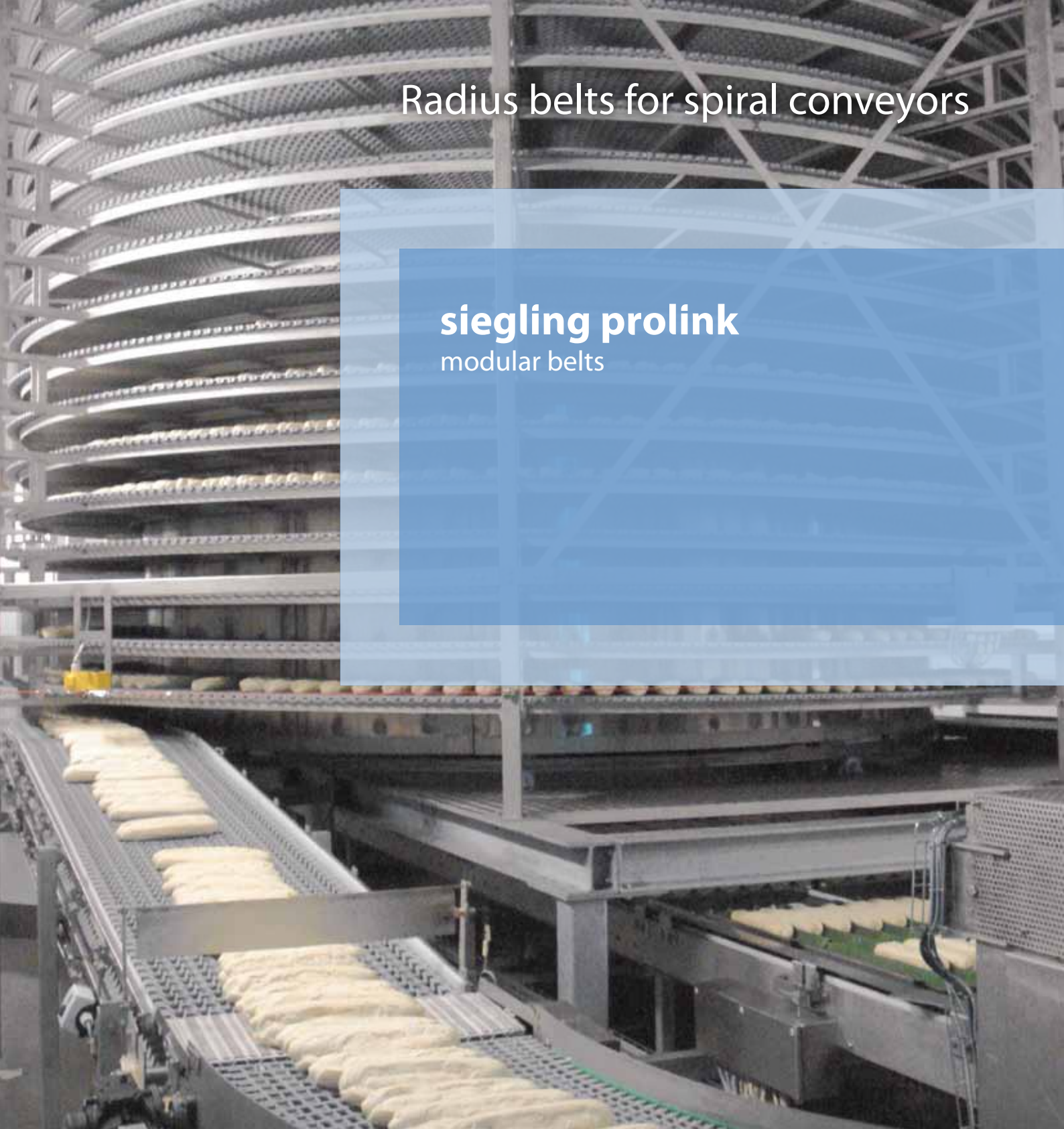


Radius belts for spiral conveyors

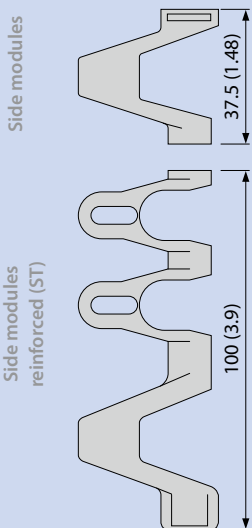
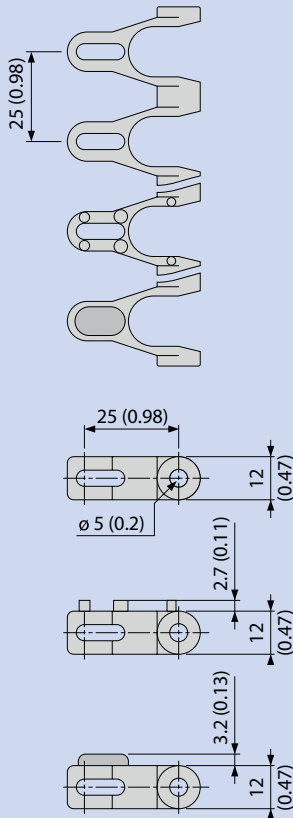
siegling prolink
modular belts





Series 5

Side flexing,
pitch 25 mm (1 in)*



Key dimensions in mm and inches (in), scale 1:2.

Side modules only available without FRT-surface and without NTP-pattern.

* All imperial dimensions (inches) are rounded off.

Radius belts are used for spiral cooling, freezing and proofing towers, safely conveying products in food industries such as baking, meat and poultry processing and processed food.

Design characteristics

- Suitable for straight, radius and spiral conveying
- Series 5/5 ST with 45% open area and Series 9 with 57% open area for excellent air circulation and drainage
- Stainless steel hinge pins for high load capacity, superior radius belt pull strength lateral stiffness, fewer belt supports, and minimal lifting in curves
- Secure hinge pin retention in both end modules
- Integral center module profiles (flights) available in 1"/25 mm and 2"/50 mm heights

Special features for Series 5

- Bearing Tab (BT) available for special applications requiring low friction

Special features for Series 5/5 ST

- Friction Top (FRT) center modules available for secure product retention and limited product movement

Special features for Series 5 and 9

- Nub Top (NTP) Surface for increased grip and reduced contact area
- Guided (G) hold down tabs allow for full product conveyance on the belt surface, eliminating the need for C-profile wear strip guide rails
- Integral end module Side Guards (SG) available in 1"/25 mm and 2"/50 mm heights

Special features for Combo belts (Series 5 ST & Series 11)

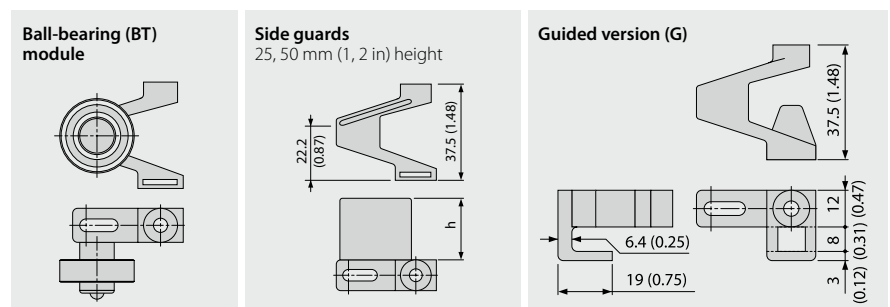
- Very small minimum radius makes this belt suitable for spirals requiring small footprint (for drawings and details refer to leaflets no. 910 and 915)

Special features for Series 9

- F2 through F8 end modules with integral radius expansion tabs to limit inside belt edge collapse and product movement across belt surface

Prolink Series	S5	S5 ST	S5 ST & S11	S9
Belt pitch	1"/25mm	1"/25mm	1"/25mm	2"/50mm
Open area	45%	45%	45%	57%
r_{min} (collapse factor)*	2.0	2.0	1.45	1.8
Plastic module materials	POM/PE/PP/PA	POM/PE/PP/PA	POM/PP/PA	POM/PE/PP/PA
Hinge pin materials	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Radius pull strength (POM) [N/mm (lb/ft)]	1800 (405)	2100 (473)	2100 (473)	2800 (630)
Radius pull strength (PA) [N/mm (lb/ft)**	1440 (324)	1680 (378)	1680 (378)	2241 (504)

* Minimum inside curve radius = Belt width x r_{min} ** (80% of POM)





Prolink hybrid radius belts with plastic modules and one-piece, stainless steel hinge pin construction provides you with these performance advantages:

Excellent lateral support

- Products stay level and in place on the belt surface
- Easy to use on systems with wide spans between support rails

Superior radius pull strength

- Significantly stronger belt compared with conventional all-plastic and all-steel belts
- Durable construction for long lasting operation

Secure pin retention in both end modules

- One-piece, stainless steel pins lock securely in place on both end modules
- The concept of fixing and controlling the belt width with steel pins ensures significantly fewer changes in belt width caused by variations in temperature, making the belts ideal for freezing and proofing applications
- SS pins are easy to install, secure and maintain

Prolink radius belts are easy to clean and keep clean

- Sanitary design for quick and thorough cleaning
- No 'Black Spec' metallic debris i.e. from all-steel belts

PA/Polyamide (Nylon®) belts available

- FDA/EU compliant materials are safe for food contact
- V-2 flame retardant rating according to UL-94 guidelines
- Strongest PA, V-2 and FDA/EU spiral belts available

Belt performance warranty available

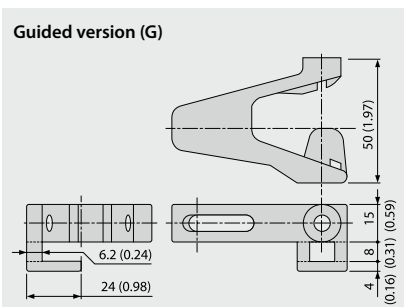
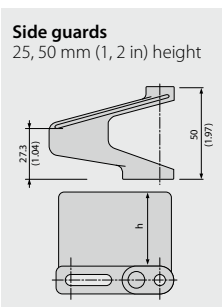
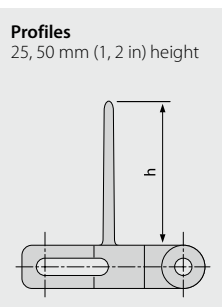
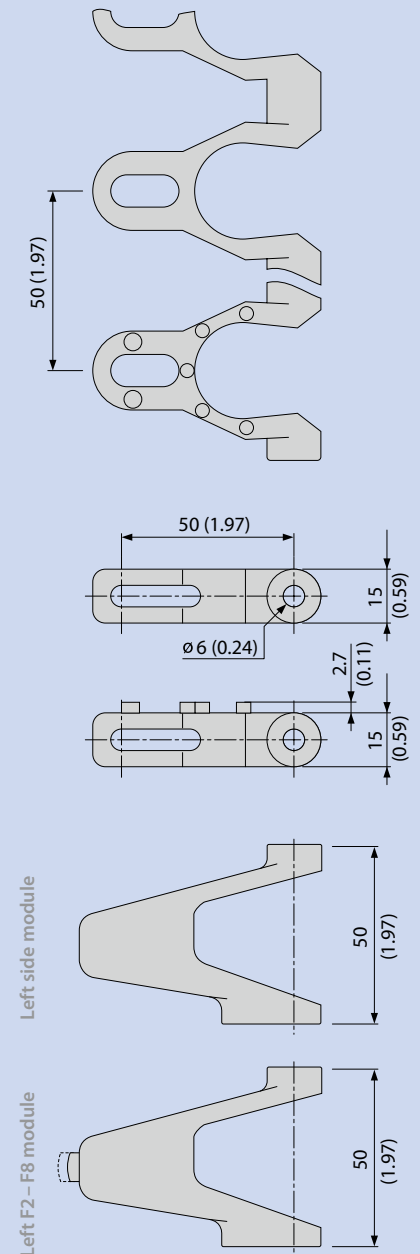
- Specific to your application and operating criteria

Installation, start up supervision, tension test available

- Installed correctly so you are ready to run production straight away
- Prolink belts keep your production running profitably now, and for many years to come

Series 9

Side flexing, pitch 50 mm (2 in)*

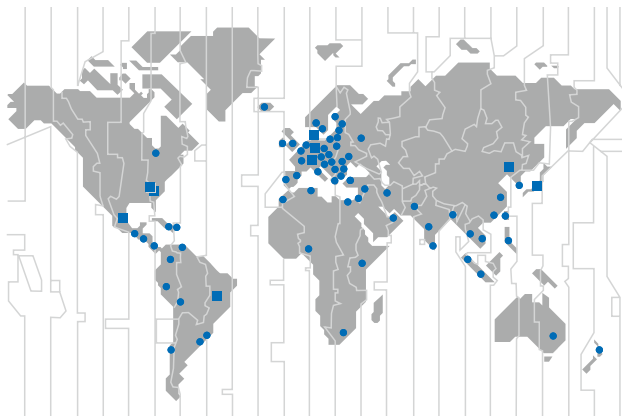


Key dimensions in mm and inches (in), scale 1:2.
Due to the very large surface openings, personnel must be instructed not to place their fingers in or on this belt.
Side modules only available without NTP-pattern
* All imperial dimensions (inches) are rounded off.

Siegling – total belting solutions

Committed staff, quality-orientated organisation and production processes ensure the constantly high standards of our products and services. The Forbo Siegling Quality Management System is certified in accordance with ISO 9001.

In addition to product quality, environmental protection is an important corporate goal. Early on we also introduced an environmental management system, certified in accordance with ISO 14001.



Forbo Siegling service – anytime, anywhere

The Forbo Siegling Group employs more than 2,000 people. Our products are manufactured in nine production facilities across the world. You can find companies and agencies with warehouses and workshops in over 80 countries. Forbo Siegling service points are located in more than 300 places worldwide.