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| |  | | --- | | press release | | page 1 of 3 | |  | | **Siegling Prolink series 11 – small radii enable space-saving and cost-efficient conveyor designs** | |

[LEAD]

Hanover, 22 May 2015 – Siegling Prolink plastic modular belts can be used for a variety of conveying and processing jobs. The modules are flexibly connected with one another and made endless by inserting hinge pins. The Siegling Prolink system consists of several series which are designed to respond to a range of different conveying and processing demands. This system is now joined by new series with small curve radii so it’s an excellent option when space is at a premium.

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A curved belt with 25 mm (1 inch) pitch has been developed for series 11. The new design offers the smallest curve radius available at the moment but with a high transmission of force at the same time, making it unique on today’s market. It can be used for lightweight products in the food, but also non-food segment, as well as in the packaging industry.

**Economical and very quiet**

Series 11 is excellent for curved and straight conveyors. Due to its especially small curve radius (a minimum of 1.4 x belt width) it’s economical with material and space compared with conventional products. It takes up to 33% less space than the competition’s belts. The whole belt including the hinge pins is made of plastic and is therefore an electricity-saving lightweight.

Series 11 also scores top marks for the lack of noise it produces. Overlapping belt edges ensure smooth tracking, even at crossover points between belt guidance systems and wear strips. As a result, noise levels are noticeably lower. Special caps on the belt edges affix the hinge pins, are easy to replace and stand apart for their extreme robustness, higher resistance to heat and therefore abrasion.

**Easy to fit – almost like Lego**

Clear markings on the surface of the belt make fitting it child’s play. Markings on the surface of the belt show the direction the belt is operated in. The sides are marked with letters (**L** and **R** **=** left-hand/right-hand side of the belt). White and blue caps are used on the inside and outside of the last curve. White caps are applied on the inside and blue ones on the outside – each with regard to the last curve, therefore guaranteeing installation is correct.

**Strong materials**

Series 11 is available in blue and white in polyacetal (POM-CR) and polypropylene (PP) and blue polyamide (PA). However, polyacetal is particularly resistant to incisions and any impact. All materials comply with the FDA 21 CFR, (EU) 10/2011 and (EC) 1935/2004 regulations on the feedstock used and migration thresholds. Two designs are offered, each with a lattice pattern and 45% open area. One design has exchangeable caps on the belt edges. The other has replaceable hold-down caps on the belt edges to guide the belt underneath the area where products are conveyed. The caps are available in POM or HW (High Wear Resistant) which enables high belt speeds.

**Combination of belts**

The combination of Forbo Movement Systems’ series 11 with the tried-and-tested series 5 is excellent for heavy-duty loads. Series 5 is a particularly strong and versatile curved belt with stainless steel hinge pins and a large open area. In conjunction with series 11 it incorporates the best of both series and produces high levels of pull despite its small curve radii. The combination belts are also ideal for spiral applications with the exceptional pairing of a very strong spiral belt with a very low curve radius (minimum of 1.45 x belt width).

Forbo Movement Systems employs more than 2,000 people globally in nine production sites and 25 international companies. Forbo conveyor and power transmission belts are used in nearly all industries, but also in the retail and services sectors. Key competencies are the food and packaging industries, logistics and airports, as well as paper, print and raw materials industries. The company was founded in 1919 in Hanover. Since 1994 the company has belonged to the Swiss Forbo Group. The products have been marketed since 2007 under the master brand “Forbo Movement Systems”.

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