



siegling transilon
conveyor and processing belts

Fullseal
Belt edge sealing
unnecessary



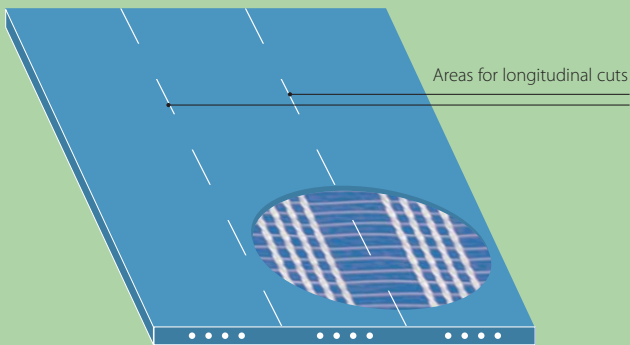
Fullseal

Belt edge sealing unnecessary

Fullseal combines the hygiene benefits of homogeneous PU belts with the mechanical properties of belts with fabric tension members.

The PU material is reinforced with a fabric structure, patented by Forbo Siegling, where the warp filaments are arranged in groups. Lengthways cuts between these groups, only separate the PU material and the weft filaments it neatly encloses. This prevents penetration of liquids into the belt's corpus and the belt fraying. In contrast to homogeneous belts (without tension member), Fullseal stays dimensionally stable. It is perfect for use in particularly hygiene-critical applications (dairy products, dough processing, meat and poultry production). The Fullseal range offers Basic and Positive Drive types. In contrast to Fullseal Basic, Fullseal Positive Drive is driven by sprockets hereby making it an alternative to modular belts.

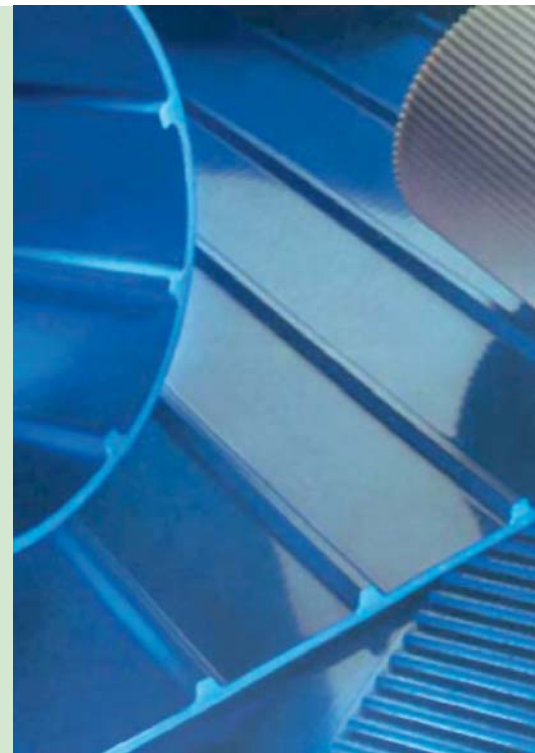
**PATENTED
FABRIC DESIGN**



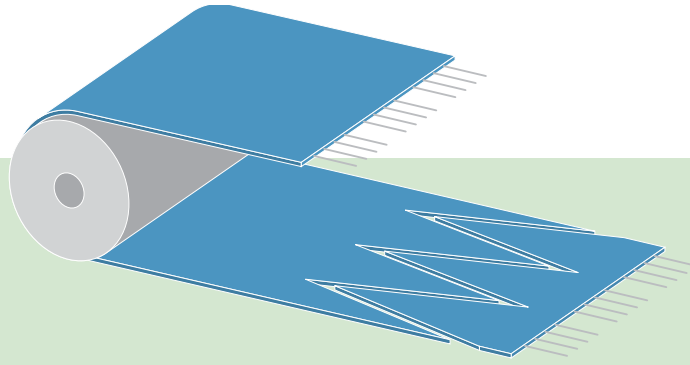
The properties

The advantages

| | |
|--|---|
| reinforced fabric | ▶ no elongation, good belt guidance |
| closed belt edge where cut to width | ▶ penetration of oil, grease and bacteria impossible |
| urethane coating on both sides | ▶ incision-resistant, closed surface; resistant to oil, grease and cleaning agents; easier to clean |
| troughable | ▶ enhanced range of applications |
| HACCP design | ▶ smooth surface; hydrolysis-resistant materials; colour: blue |
| FDA/EU compliant | ▶ complies with international food standards |
| USDA authorisation for dairy and meat industry | ▶ recognised high standard of hygiene |
| form-fit drive in Positive Drive type | ▶ no belt creep |



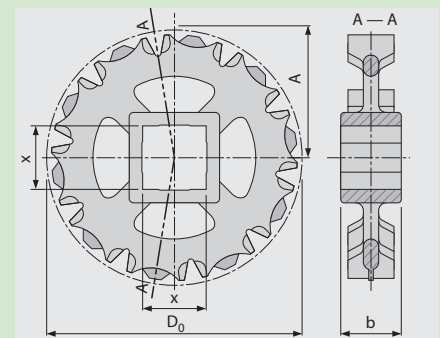
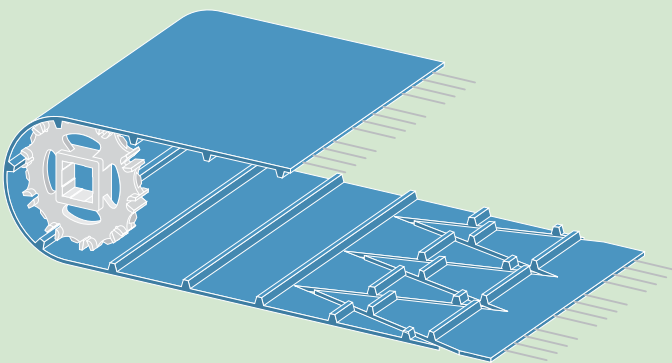
Fullseal Basic



| | Article number | Total thickness, approx. [mm (inch)] | Weight, approx. [kg/m ² (lb/ft ²)] | Effective pull at 1% elongation (k _{1%} relaxed) [N/mm (lb/ft)] | d _{min} approx. [mm (inch)] | Permissible operating temperature [°C (F)] | Shore hardness A | Nominal profile pitch [mm (inch)] |
|-------------------------------|----------------|--------------------------------------|---|--|--------------------------------------|--|------------------|-----------------------------------|
| E 4/H U8/U8 NP/MT-NA blue FDA | 907139 | 2.5 (0.10) | 2.8 (0.57) | 2 (137) | 40 (15.75) | -30/+100 (-22/+212) | 90 | - - |

| | | | | | | | | |
|---|--------|---------------|---------------|--------------|--------------|------------------------|----|-----------|
| A 4/H U17/U17 PD2A/GL-LW-HACCP blue FDA – for light to medium-weight loads | 900419 | 3.4 (0.13) | 4.6 (0.93) | 3.5 (240) | 96 (3.78) | -20/+70 (-4/+158) | 90 | 50 (2) |
| A 11/H U17/U17 PD2A/GL-HACCP blue FDA – for heavy loads | 900407 | 3.4 (0.13) | 4.6 (0.93) | 11 (754) | 96 (3.78) | -20/+70 (-4/+158) | 90 | 50 (2) |
| A 11/H U17/U17 PD2A/GL-CT-HACCP blue FDA – for low temperatures | 900420 | 3.4 (0.13) | 4.6 (0.93) | 12 (822) | 96 (3.78) | -23/+70 (-9.4/+158) | 90 | 50 (2) |

Fullseal Positive Drive



| Type/ no. of teeth | LS 50-6 | LS 50-8 | LS 50-10 | LS 50-12 |
|--|--------------|--------------|--------------|--------------|
| b [mm] ["] | 38 (1.5) | 38 (1.5) | 38 (1.5) | 38 (1.5) |
| D ₀ [mm] ["] | 101 (4.0) | 132 (5.2) | 163 (6.4) | 195 (7.7) |
| A [mm] ["] | 42 (1.7) | 58 (2.3) | 74 (2.9) | 89 (3.5) |
| x [mm] (metric shaft dimensions) | | | | |
| 30 | ● | ● | ● | |
| 40 | ■ | ■ | ■ | ■ |
| 60 | | | ■ | ■ |
| x ["] (imperial shaft dimensions) | | | | |
| 1 | ● | ● | ● | |
| 1.5 | ■ | ■ | ■ | ■ |
| 2.5 | | | ■ | ■ |

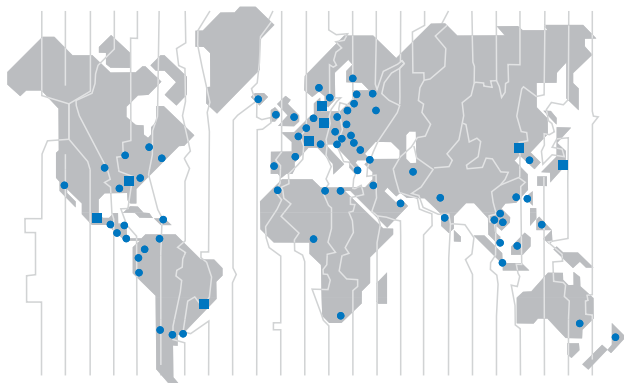
PD2A Positive Drive,
PD2A 2" profile pitch
PD2A Profile shape
LW Low weight
CT Cold temperature

● Shaft shape round
■ Shaft shape square
D₀ Pitch circle diameter
A Distance centre of shaft/top edge support

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 DIN EN 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

In the company group, Forbo Siegling employs more than 1800 people worldwide. Our production facilities are located in eight countries; you can find companies and agencies with stock and workshops in more than 50 countries. Forbo Siegling service centres provide qualified assistance at more than 300 locations throughout the world.