

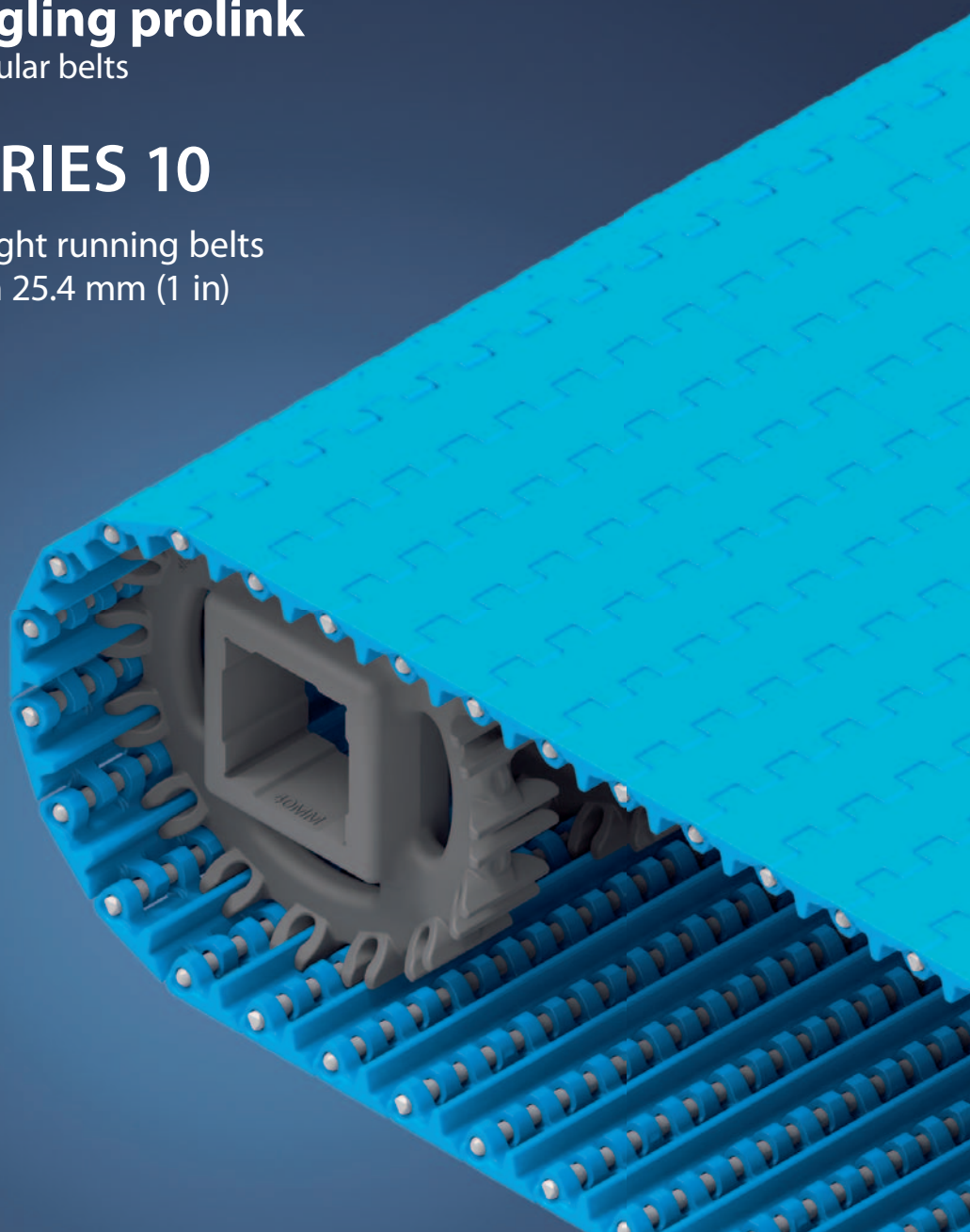
# EXCERPT FROM PROLINK ENGINEERING MANUAL

05/19 (Ref-No. 888)

**siegling prolink**  
modular belts

## SERIES 10

Straight running belts  
Pitch 25.4 mm (1 in)



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Ref. no. 888-2\_1.2\_S10

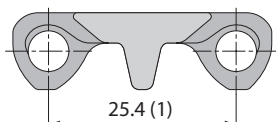
# SERIES 10 | OVERVIEW

**siebling prolink**  
modular belts

Straight running belts | Pitch 25.4 mm (1 in)

Belts for light to medium-duty hygiene-critical applications

Side view scale 1:1



## Design characteristics

- Small number of eyelets ensures easy cleaning
- Hinges that open wide, combined with smooth, flat channels on the underside and a continuous drive bar produce an easy-to-clean design
- Robust design guarantees superior durability
- Optimal design of sprocket teeth and tracking fins provides superior sprocket engagement, safe belt tracking and an easy-to-clean sprocket

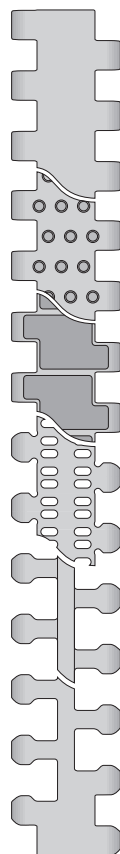
## Basic data

|                  |                                             |
|------------------|---------------------------------------------|
| Pitch            | 25.4 mm (1 in)                              |
| Belt width min.  | 38.1 mm (1.5 in)                            |
| Width increments | 19.05 mm (0.75 in)                          |
| Hinge pins       | 5 mm (0.2 in) made of plastic (PE, PP, PBT) |



NSF-compliant from these certified Forbo plants:  
Huntersville (USA), Malacky (Slovakia), NSW (Australia),  
Tlalnepantla (Mexico), Saint-Petersburg (Russia),  
Shizuoka (Japan), Maharashtra (India)

Available surface pattern and opening area



### S10-0 FLT

Closed, smooth surface

### S10-0 NTP

Closed surface with round studs

### S10-0 FRT1

Closed surface with friction top

### S10-22 FLT

Open (22%), smooth surface

### S10-36 LRB

Open (36%) surface and lateral ribbing

### S10-36 FLT

Open (36%), smooth surface

## Sprockets

in different sizes with round or square sprocket bore



## Profiles

in different heights and designs for inclines



## Side guards

in different heights for retention of bulk products



## Hold Down Tabs

Hold Down Tabs for additional guiding



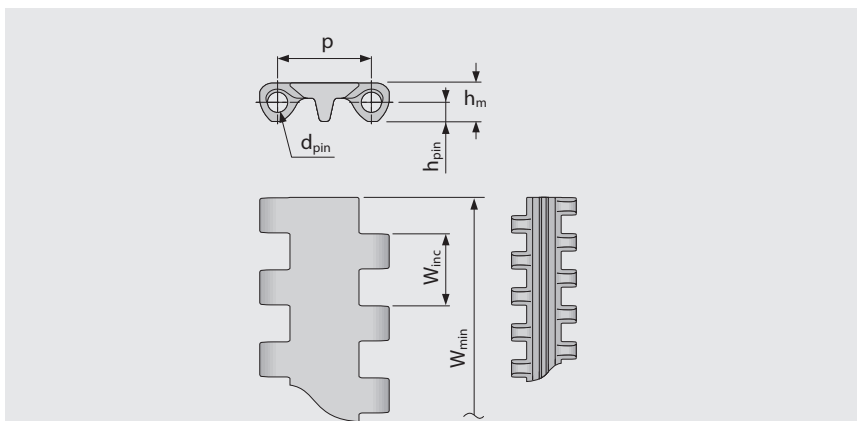
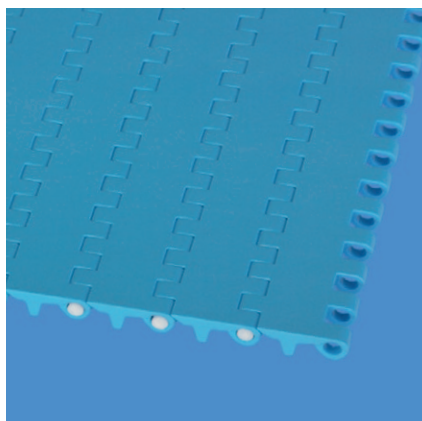
# SERIES 10 | BELT TYPES

siebling prolink  
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

## S10-0 FLT | 0% Opening | Flat top

Closed, smooth surface | Flat top surface



### Belt dimensions

|      | p     | d <sub>pin</sub> | h <sub>m</sub> | h <sub>pin</sub>  | h <sub>s</sub> | W <sub>min</sub> | W <sub>inc</sub>     | W <sub>tol</sub>    | Minimum flex radii <sup>1)</sup> |      |      |      |      |
|------|-------|------------------|----------------|-------------------|----------------|------------------|----------------------|---------------------|----------------------------------|------|------|------|------|
|      | Pitch | Pin Ø            | Thickness [mm] | Pin position [mm] | Height [mm]    | Width min. [mm]  | Width Increment [mm] | Width tolerance [%] | r1                               | r2   | r3   | r4   | r5   |
| mm   | 25.4  | 5.0              | 10.2           | 5.1               | 0.0            | 38.1             | 19.1                 | ±0.2                | –                                | 25.4 | 50.8 | 76.2 | 25.4 |
| inch | 1.0   | 0.2              | 0.4            | 0.2               | 0.0            | 1.5              | 0.75                 | ±0.2                | –                                | 1.0  | 2.0  | 3.0  | 1.0  |

### Available standard materials<sup>4)</sup>

| Belt     |       | Pin      |       | Nominal belt pull, straight |         | Weight  |          | Width deviation [%] | Temperature |         | Certificates      |                  |
|----------|-------|----------|-------|-----------------------------|---------|---------|----------|---------------------|-------------|---------|-------------------|------------------|
| Material | Color | Material | Color | [N/mm]                      | [lb/ft] | [kg/m²] | [lb/ft²] |                     | [°C]        | [°F]    | FDA <sup>2)</sup> | EU <sup>3)</sup> |
| PE       | WT/LB | PE       | WT    | 6                           | 411     | 5.4     | 1.11     | 0.0                 | -70/65      | -94/149 | ●                 | ●                |
| PE-MD    | BL    | POM-MD   | BL    | 6                           | 411     | 5.9     | 1.21     | 0.0                 | -70/65      | -94/149 | ●                 | ●                |
| PP       | WT/LB | PP       | WT    | 8                           | 548     | 5.1     | 1.04     | 0.26                | 5/100       | 41/212  | ●                 | ●                |
| PP-MD    | BL    | PP-MD    | BL    | 8                           | 548     | 5.3     | 1.09     | 0.26                | 5/100       | 41/212  | ●                 | ●                |
| POM      | WT/LB | PBT      | UC    | 20                          | 1370    | 8.0     | 1.64     | 0.0                 | -45/90      | -49/194 | ●                 | ●                |
| POM-MD   | BL    | POM-MD   | BL    | 20                          | 1370    | 8.3     | 1.7      | 0.0                 | -45/90      | -49/194 | ●                 | ●                |

| Mold to order belts |    |     |    |    |      |     |      |       |         |         |   |   |
|---------------------|----|-----|----|----|------|-----|------|-------|---------|---------|---|---|
| TPC1                | LB | PBT | UC | 6  | 411  | 7.1 | 1.45 | -0.13 | -25/80  | -13/176 | ● | ● |
| PA*                 | BL | PBT | UC | 17 | 1165 | 6.7 | 1.37 | 0.74  | -40/120 | -40/248 | ● | ● |

Mold to width available in: 76 mm (3.0 in), 229 mm (9.0 in), 152 mm (6.0 in)

\* Values valid for dry applications (RH <50%). Belts in PA material will absorb water in wet environments, causing them to expand and reduce the nominal belt pull capacity.

■ BL (Blue), ■ LB (Light blue), ■ UC (Uncolored), ■ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

<sup>1)</sup> Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

<sup>2)</sup> Complies with FDA 21 CFR

<sup>3)</sup> Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

<sup>4)</sup> More materials and colors on request



MOVEMENT SYSTEMS

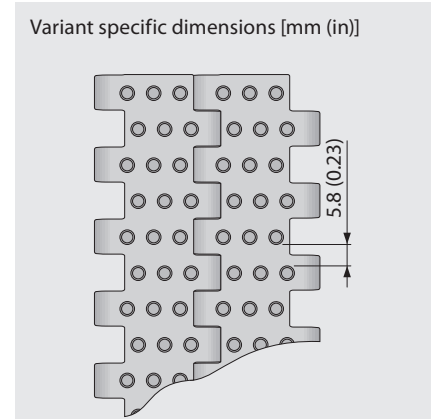
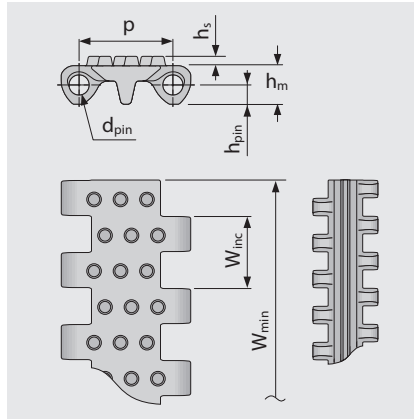
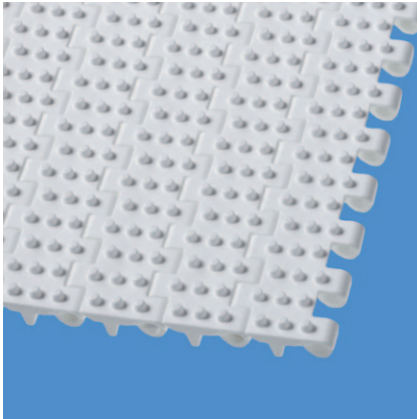
# SERIES 10 | BELT TYPES

**siebling prolink**  
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

## S10-0 NTP | 0% Opening | Nub top (round studs)

Closed surface with round studs 9% contact area | Version available without round studs at the side (38 mm indent)

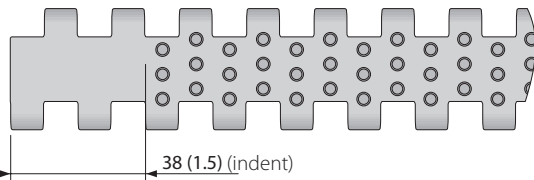


### Belt dimensions

|      | p     | d <sub>pin</sub> | h <sub>m</sub> | h <sub>pin</sub>  | h <sub>s</sub> | W <sub>min</sub> | W <sub>inc</sub>     | W <sub>tol</sub>    | Minimum flex radii <sup>1)</sup> |      |      |      |      |
|------|-------|------------------|----------------|-------------------|----------------|------------------|----------------------|---------------------|----------------------------------|------|------|------|------|
|      | Pitch | Pin Ø            | Thickness [mm] | Pin position [mm] | Height [mm]    | Width min. [mm]  | Width Increment [mm] | Width tolerance [%] | r1                               | r2   | r3   | r4   | r5   |
| mm   | 25.4  | 5.0              | 10.2           | 5.1               | 2.5            | 38.1             | 19.1                 | ±0.2                | –                                | 25.4 | 50.8 | 76.2 | 25.4 |
| inch | 1.0   | 0.2              | 0.4            | 0.2               | 0.1            | 1.5              | 0.75                 | ±0.2                | –                                | 1.0  | 2.0  | 3.0  | 1.0  |

### Available standard materials<sup>4)</sup>

| Belt     |       | Pin      |       | Nominal belt pull, straight |         | Weight  |          | Width deviation [%] | Temperature |         | Certificates      |                  |
|----------|-------|----------|-------|-----------------------------|---------|---------|----------|---------------------|-------------|---------|-------------------|------------------|
| Material | Color | Material | Color | [N/mm]                      | [lb/ft] | [kg/m²] | [lb/ft²] |                     | [°C]        | [°F]    | FDA <sup>2)</sup> | EU <sup>3)</sup> |
| PE       | WT    | PE       | WT    | 6                           | 411     | 5.5     | 1.13     | 0.0                 | -70/65      | -94/149 | ●                 | ●                |
| PE       | LB    | PE       | WT    | 6                           | 411     | 5.5     | 1.13     | 0.0                 | -70/65      | -94/149 | ●                 | ●                |
| POM      | WT    | PBT      | UC    | 20                          | 1370    | 8.2     | 1.68     | 0.0                 | -45/90      | -49/194 | ●                 | ●                |
| POM      | LB    | PBT      | UC    | 20                          | 1370    | 8.2     | 1.68     | 0.0                 | -45/90      | -49/194 | ●                 | ●                |
| PP-MD    | BL    | PP-MD    | BL    | 8                           | 548     | 5.4     | 1.11     | 0.26                | 5/100       | 41/212  | ●                 | ●                |
| PE-MD    | BL    | POM-MD   | BL    | 6                           | 411     | 6.5     | 1.33     | 0.0                 | -70/65      | -94/149 | ●                 | ●                |



Also available with  
molded indent  
38 mm (1.5 in)

Mold to width available in: 229 mm (9.0 in)

■ BL (Blue), ■ LB (Light blue), ■ UC (Uncolored), ■ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

<sup>1)</sup> Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

<sup>2)</sup> Complies with FDA 21 CFR

<sup>3)</sup> Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

<sup>4)</sup> More materials and colors on request



MOVEMENT SYSTEMS

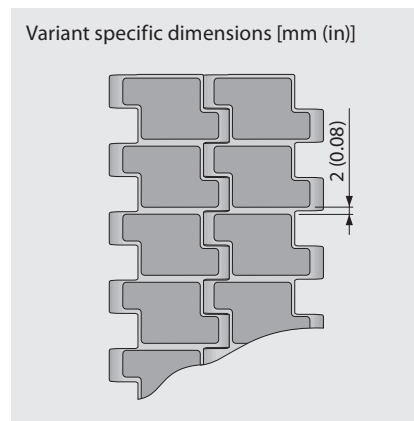
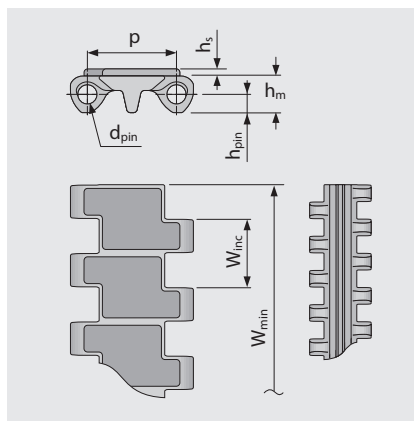
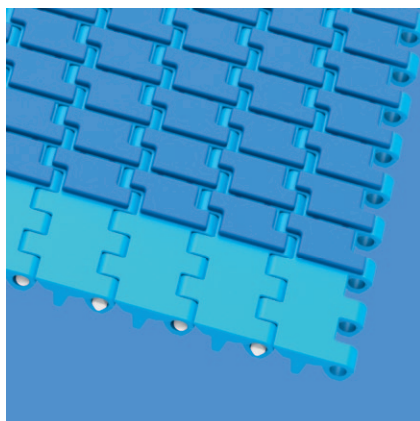
# SERIES 10 | BELT TYPES

siebling prolink  
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

## S10-0 FRT1 | 0 % Opening | Friction top (Design 1)

Closed surface with flat integrated friction pads (FRT1) for high grip | 67 % contact area | Version available without FRT1 structure at the side (38 mm indent)



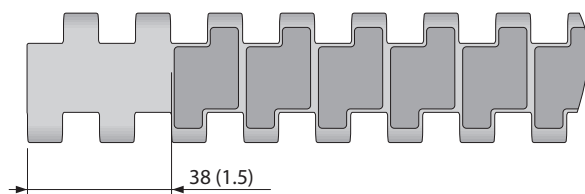
### Belt dimensions

|      | p     | d <sub>pin</sub> | h <sub>m</sub> | h <sub>pin</sub>  | h <sub>s</sub> | W <sub>min</sub> | W <sub>inc</sub>     | W <sub>tol</sub>    | Minimum flex radii <sup>1)</sup> |      |      |      |      |
|------|-------|------------------|----------------|-------------------|----------------|------------------|----------------------|---------------------|----------------------------------|------|------|------|------|
|      | Pitch | Pin Ø            | Thickness [mm] | Pin position [mm] | Height [mm]    | Width min. [mm]  | Width Increment [mm] | Width tolerance [%] | r1                               | r2   | r3   | r4   | r5   |
| mm   | 25.4  | 5.0              | 10.2           | 5.1               | 2.0            | 38.1             | 19.1                 | ±0.2                | –                                | 25.4 | 50.8 | 76.2 | 25.4 |
| inch | 1.0   | 0.2              | 0.4            | 0.2               | 0.08           | 1.5              | 0.75                 | ±0.2                | –                                | 1.0  | 2.0  | 3.0  | 1.0  |

### Available standard materials<sup>4)</sup>

| Belt     |       | Pin      |       | Rubber   |       | Nominal belt pull, straight |         | Weight               |                       | Width deviation | Temperature |        | Certificates      |                  |
|----------|-------|----------|-------|----------|-------|-----------------------------|---------|----------------------|-----------------------|-----------------|-------------|--------|-------------------|------------------|
| Material | Color | Material | Color | Material | Color | [N/mm]                      | [lb/ft] | [kg/m <sup>2</sup> ] | [lb/ft <sup>2</sup> ] | [%]             | [°C]        | [°F]   | FDA <sup>2)</sup> | EU <sup>3)</sup> |
| PP       | WT    | PP       | WT    | R7       | BG    | 8                           | 548     | 6.3                  | 1.29                  | 0.26            | 5/100       | 41/212 | ●                 | ●                |
| PP       | LB    | PP       | WT    | R7       | BK    | 8                           | 548     | 6.3                  | 1.29                  | 0.26            | 5/100       | 41/212 | ●                 | ●                |
| PP       | LB    | PP       | WT    | R7       | BL    | 8                           | 548     | 6.3                  | 1.29                  | 0.26            | 5/100       | 41/212 | ●                 | ●                |

Mold to width available in: 229 mm (9.0 in)



Also available with  
molded indent  
38 mm (1.5 in)

■ BG (Beige), ■ BL (Blue), ■ BK (Black), ■ LB (Light blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

<sup>1)</sup> Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

<sup>2)</sup> Complies with FDA 21 CFR

<sup>3)</sup> Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

<sup>4)</sup> More materials and colors on request



MOVEMENT SYSTEMS

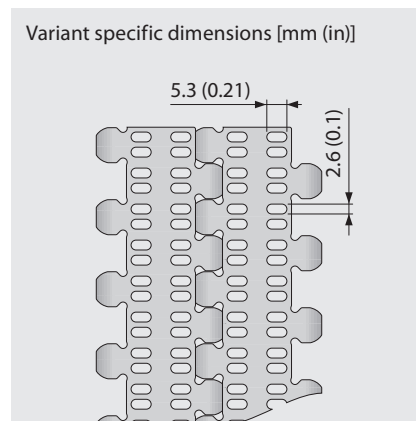
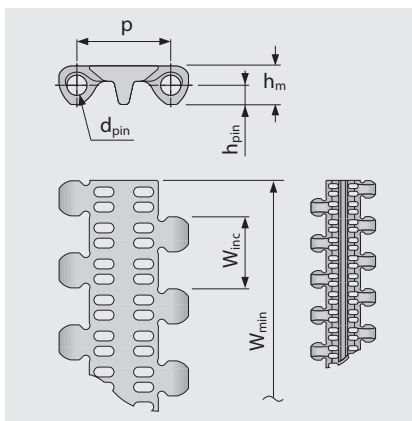
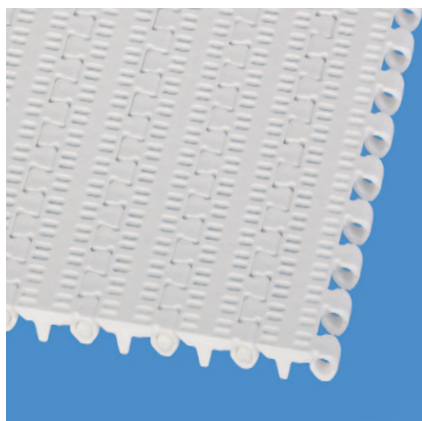
# SERIES 10 | BELT TYPES

**siebling prolink**  
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

## S10-22 FLT | 22 % Opening | Flat top

Open area (22 %) for excellent air circulation and drainage | Smooth surface | 70 % contact area (Largest opening: 2.6 x 5.3 mm/0.10 x 0.21 in)



### Belt dimensions

|      | p     | d <sub>pin</sub> | h <sub>m</sub> | h <sub>pin</sub>  | h <sub>s</sub> | W <sub>min</sub> | W <sub>inc</sub>     | W <sub>tol</sub>    | Minimum flex radii <sup>1)</sup> |      |      |      |      |
|------|-------|------------------|----------------|-------------------|----------------|------------------|----------------------|---------------------|----------------------------------|------|------|------|------|
|      | Pitch | Pin Ø            | Thickness [mm] | Pin position [mm] | Height [mm]    | Width min. [mm]  | Width Increment [mm] | Width tolerance [%] | r1                               | r2   | r3   | r4   | r5   |
| mm   | 25.4  | 5.0              | 10.2           | 5.1               | 0.0            | 38.1             | 19.1                 | ±0.2                | –                                | 25.4 | 50.8 | 76.2 | 25.4 |
| inch | 1.0   | 0.2              | 0.4            | 0.2               | 0.0            | 1.5              | 0.75                 | ±0.2                | –                                | 1.0  | 2.0  | 3.0  | 1.0  |

### Available standard materials<sup>4)</sup>

| Belt     |       | Pin      |       | Nominal belt pull, straight |         | Weight               |                       | Width deviation [%] | Temperature |         | Certificates      |                  |
|----------|-------|----------|-------|-----------------------------|---------|----------------------|-----------------------|---------------------|-------------|---------|-------------------|------------------|
| Material | Color | Material | Color | [N/mm]                      | [lb/ft] | [kg/m <sup>2</sup> ] | [lb/ft <sup>2</sup> ] |                     | [°C]        | [°F]    | FDA <sup>2)</sup> | EU <sup>3)</sup> |
| PE       | WT    | PE       | WT    | 3                           | 206     | 4.7                  | 0.96                  | 0.0                 | -70/65      | -94/149 | ●                 | ●                |
| PE       | LB    | PE       | WT    | 3                           | 206     | 4.7                  | 0.96                  | 0.0                 | -70/65      | -94/149 | ●                 | ●                |
| PP       | WT    | PP       | WT    | 5                           | 343     | 4.3                  | 0.88                  | 0.26                | 5/100       | 41/212  | ●                 | ●                |
| PP       | LB    | PP       | WT    | 5                           | 343     | 4.3                  | 0.88                  | 0.26                | 5/100       | 41/212  | ●                 | ●                |
| POM      | WT    | PBT      | UC    | 11                          | 754     | 6.7                  | 1.37                  | 0.0                 | -45/90      | -49/194 | ●                 | ●                |
| POM      | LB    | PBT      | UC    | 11                          | 754     | 6.7                  | 1.37                  | 0.0                 | -45/90      | -49/194 | ●                 | ●                |
| PP-MD    | BL    | PP-MD    | BL    | 5                           | 343     | 4.9                  | 1.0                   | 0.0                 | 5/100       | 41/212  | ●                 | ●                |

### Mold to order belts

|       |    |        |    |   |     |     |      |     |        |         |   |   |
|-------|----|--------|----|---|-----|-----|------|-----|--------|---------|---|---|
| PE-MD | BL | POM-MD | BL | 3 | 206 | 5.1 | 1.04 | 0.0 | -70/65 | -94/149 | ● | ● |
|-------|----|--------|----|---|-----|-----|------|-----|--------|---------|---|---|

Mold to width available in: 76 mm (3.0 in), 229 mm (9.0 in)

■ BL (Blue), ■ LB (Light blue), ■ UC (Uncolored), ■ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

<sup>1)</sup> Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

<sup>2)</sup> Complies with FDA 21 CFR

<sup>3)</sup> Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

<sup>4)</sup> More materials and colors on request



MOVEMENT SYSTEMS

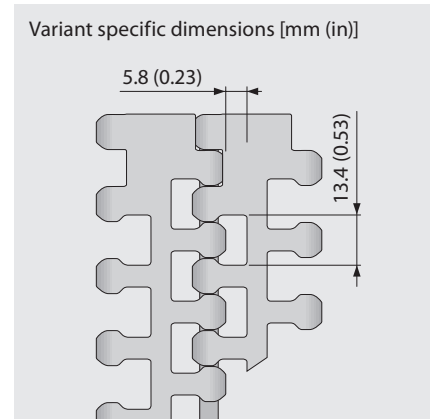
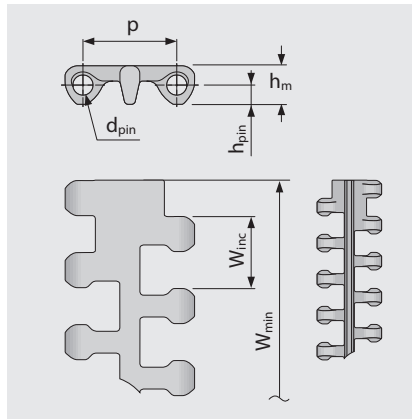
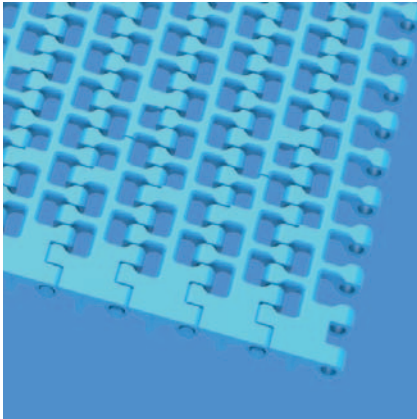
# SERIES 10 | BELT TYPES

siebling prolink  
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

## S10-36 FLT | 36 % Opening | Flat top

Open area (36 %) for excellent air circulation and drainage | Smooth surface | 44 % contact area (Largest opening: 5.8 x 13.4 mm/0.23 x 0.53 in)



### Belt dimensions

|      | p     | d <sub>pin</sub> | h <sub>m</sub> | h <sub>pin</sub>  | h <sub>s</sub> | W <sub>min</sub> | W <sub>inc</sub>     | W <sub>tol</sub>    | Minimum flex radii <sup>1)</sup> |      |      |      |      |
|------|-------|------------------|----------------|-------------------|----------------|------------------|----------------------|---------------------|----------------------------------|------|------|------|------|
|      | Pitch | Pin Ø            | Thickness [mm] | Pin position [mm] | Height [mm]    | Width min. [mm]  | Width Increment [mm] | Width tolerance [%] | r1                               | r2   | r3   | r4   | r5   |
| mm   | 25.4  | 5.0              | 10.2           | 5.1               | 0.0            | 38.1             | 19.1                 | ±0.2                | –                                | 25.4 | 50.8 | 76.2 | 25.4 |
| inch | 1.0   | 0.2              | 0.4            | 0.2               | 0.0            | 1.5              | 0.75                 | ±0.2                | –                                | 1.0  | 2.0  | 3.0  | 1.0  |

### Available standard materials<sup>4)</sup>

| Belt     |       | Pin      |       | Nominal belt pull, straight |         | Weight  |          | Width deviation | Temperature |         | Certificates      |                  |
|----------|-------|----------|-------|-----------------------------|---------|---------|----------|-----------------|-------------|---------|-------------------|------------------|
| Material | Color | Material | Color | [N/mm]                      | [lb/ft] | [kg/m²] | [lb/ft²] | [%]             | [°C]        | [°F]    | FDA <sup>2)</sup> | EU <sup>3)</sup> |
| PE       | WT/LB | PE       | WT    | 4                           | 274     | 4.3     | 0.88     | 0.0             | -70/65      | -94/149 | ●                 | ●                |
| PP       | WT/LB | PP       | WT    | 6                           | 411     | 4.0     | 0.82     | 0.26            | 5/100       | 41/212  | ●                 | ●                |
| PP-MD    | BL    | PP-MD    | BL    | 6                           | 411     | 4.4     | 0.9      | 0.26            | 5/100       | 41/212  | ●                 | ●                |
| POM      | WT/LB | PBT      | UC    | 13                          | 891     | 6.2     | 1.27     | 0.0             | -45/90      | -49/194 | ●                 | ●                |
| PA*      | BL    | PBT      | UC    | 13                          | 891     | 6.0     | 1.23     | 0.74            | -40/120     | -40/248 | ●                 | ●                |

### Mold to order belts

|        |    |        |    |    |     |     |      |     |        |         |   |   |
|--------|----|--------|----|----|-----|-----|------|-----|--------|---------|---|---|
| POM-MD | BL | POM-MD | BL | 13 | 891 | 6.6 | 1.35 | 0.0 | -45/90 | -49/194 | ● | ● |
|--------|----|--------|----|----|-----|-----|------|-----|--------|---------|---|---|

\* Values valid for dry applications (RH <50 %). Belts in PA material will absorb water in wet environments, causing them to expand and reduce the nominal belt pull capacity.

**Attention!** Due to the very large surface openings, personnel must be instructed not to place their fingers in or on this belt.

■ BL (Blue), ■ LB (Light blue), ■ UC (Uncolored), ■ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

<sup>1)</sup> Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

<sup>2)</sup> Complies with FDA 21 CFR

<sup>3)</sup> Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

<sup>4)</sup> More materials and colors on request



MOVEMENT SYSTEMS

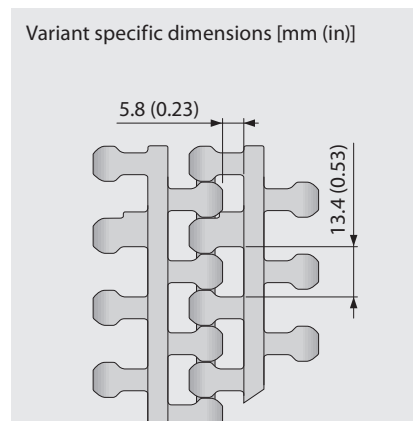
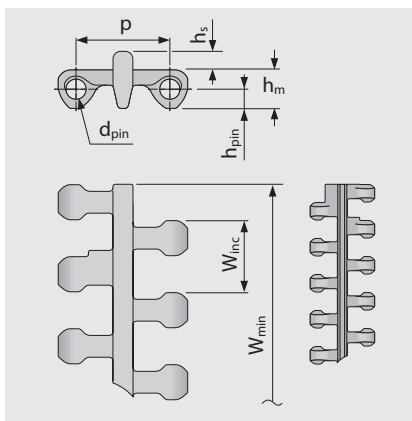
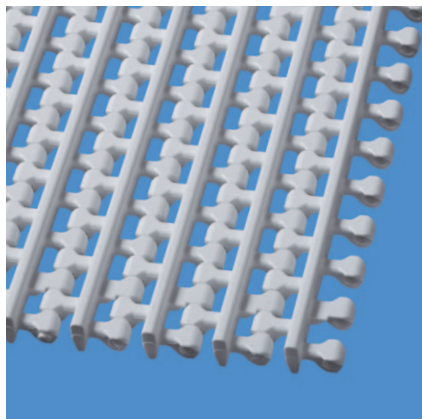
# SERIES 10 | BELT TYPES

**siebling prolink**  
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

## S10-36 LRB | 36 % Opening | Lateral rib

Open area (36 %) for excellent air circulation and drainage | Lateral ribbing 12% contact area (Largest opening: 5.8 x 13.4 mm/ 0.23 x 0.53 in) | open area lateral rib version for small inclines and gentle conveying of delicate products



### Belt dimensions

|      | p     | d <sub>pin</sub> | h <sub>m</sub> | h <sub>pin</sub>  | h <sub>s</sub> | W <sub>min</sub> | W <sub>inc</sub>     | W <sub>tol</sub>    | Minimum flex radii <sup>1)</sup> |      |      |      |      |
|------|-------|------------------|----------------|-------------------|----------------|------------------|----------------------|---------------------|----------------------------------|------|------|------|------|
|      | Pitch | Pin Ø            | Thickness [mm] | Pin position [mm] | Height [mm]    | Width min. [mm]  | Width Increment [mm] | Width tolerance [%] | r1                               | r2   | r3   | r4   | r5   |
| mm   | 25.4  | 5.0              | 10.2           | 5.1               | 4.9            | 38.1             | 19.1                 | ±0.2                | –                                | 25.4 | 50.8 | 76.2 | 25.4 |
| inch | 1.0   | 0.2              | 0.4            | 0.2               | 0.19           | 1.5              | 0.75                 | ±0.2                | –                                | 1.0  | 2.0  | 3.0  | 1.0  |

### Available standard materials<sup>4)</sup>

| Belt     |       | Pin      |       | Nominal belt pull, straight |         | Weight  |          | Width deviation [%] | Temperature |         | Certificates      |                  |
|----------|-------|----------|-------|-----------------------------|---------|---------|----------|---------------------|-------------|---------|-------------------|------------------|
| Material | Color | Material | Color | [N/mm]                      | [lb/ft] | [kg/m²] | [lb/ft²] |                     | [°C]        | [°F]    | FDA <sup>2)</sup> | EU <sup>3)</sup> |
| PE       | WT    | PE       | WT    | 4                           | 274     | 5.8     | 1.19     | 0.0                 | -70/65      | -94/149 | ●                 | ●                |
| PE       | LB    | PE       | WT    | 4                           | 274     | 5.8     | 1.19     | 0.0                 | -70/65      | -94/149 | ●                 | ●                |
| PP       | WT    | PP       | WT    | 6                           | 411     | 4.9     | 1.0      | 0.26                | 5/100       | 41/212  | ●                 | ●                |
| PP       | LB    | PP       | WT    | 6                           | 411     | 4.9     | 1.0      | 0.26                | 5/100       | 41/212  | ●                 | ●                |
| POM      | WT    | PBT      | UC    | 13                          | 891     | 7.6     | 1.56     | 0.0                 | -45/90      | -49/194 | ●                 | ●                |
| POM      | LB    | PBT      | UC    | 13                          | 891     | 7.6     | 1.56     | 0.0                 | -45/90      | -49/194 | ●                 | ●                |

Mold to width available in: 229 mm (9.0 in)

■ LB (Light blue), ■ UC (Uncolored), ■ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

<sup>1)</sup> Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

<sup>2)</sup> Complies with FDA 21 CFR

<sup>3)</sup> Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

<sup>4)</sup> More materials and colors on request



MOVEMENT SYSTEMS

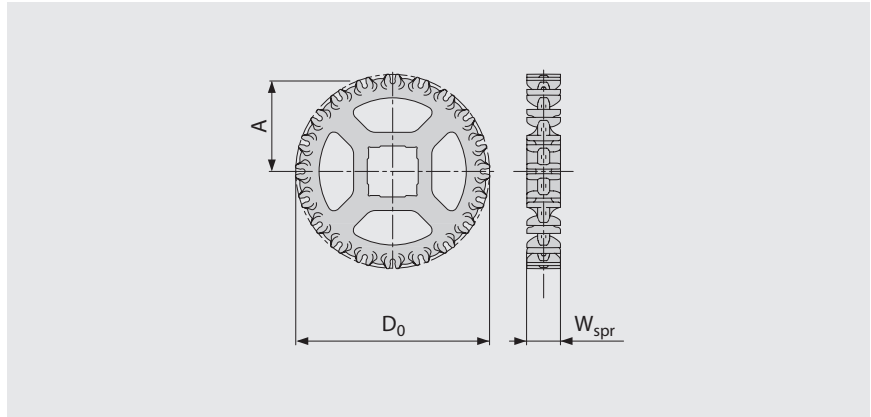
# SERIES 10 | SPROCKETS

siegling prolink  
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

## S10 SPR | Sprockets

Optimal design of sprocket teeth and tracking fins provides superior sprocket engagement, safe belt tracking and an easy-to-clean sprocket



### Main dimensions

| Sprocket size<br>(Number of teeth) |      | Z6   | Z8   | Z10  | Z12  | Z15   | Z16   | Z18   | Z20   |
|------------------------------------|------|------|------|------|------|-------|-------|-------|-------|
| W <sub>spr</sub>                   | mm   | 28.0 | 28.0 | 28.0 | 28.0 | 28.0  | 28.0  | 28.0  | 28.0  |
|                                    | inch | 1.10 | 1.10 | 1.10 | 1.10 | 1.10  | 1.10  | 1.10  | 1.10  |
| D <sub>0</sub>                     | mm   | 51.4 | 66.8 | 82.4 | 98.2 | 122.4 | 130.4 | 146.4 | 162.5 |
|                                    | inch | 2.02 | 2.63 | 3.24 | 3.87 | 4.82  | 5.13  | 5.76  | 6.40  |
| A <sub>max</sub>                   | mm   | 19.8 | 27.9 | 35.9 | 43.9 | 56.0  | 60.0  | 68.1  | 76.1  |
|                                    | inch | 0.78 | 1.10 | 1.41 | 1.73 | 2.20  | 2.36  | 2.68  | 3.00  |
| A <sub>min</sub>                   | mm   | 17.2 | 25.8 | 34.1 | 42.4 | 54.8  | 58.9  | 67.0  | 75.2  |
|                                    | inch | 0.68 | 1.02 | 1.34 | 1.67 | 2.16  | 2.32  | 2.64  | 2.96  |

### Shaft bores (● = Round, ■ = Square)

|      |      |   |     |     |     |     |   |   |     |
|------|------|---|-----|-----|-----|-----|---|---|-----|
| 25   | mm   | ● | ●/■ | ■   |     |     |   |   |     |
| 30   | mm   |   |     | ●   | ●   | ●   | ● | ● | ●   |
| 40   | mm   |   |     | ●/■ | ●/■ | ●/■ | ■ | ■ | ●/■ |
| 60   | mm   |   |     |     |     |     |   |   | ■   |
| 1    | inch | ● | ●/■ | ●/■ | ●   | ●   | ● | ● | ●   |
| 1.25 | inch |   |     | ●   | ●   | ●   | ● | ● | ●   |
| 1.44 | inch |   |     |     | ●   | ●   |   |   | ●   |
| 1.5  | inch |   |     | ■   | ■   | ■   | ■ | ■ | ■   |
| 2.5  | inch |   |     |     |     |     |   |   | ■   |

Material: PA, Color: LG

■ LG (Light gray)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

For detailed sprocket and shaft dimensions see appendix 6.3.



MOVEMENT SYSTEMS

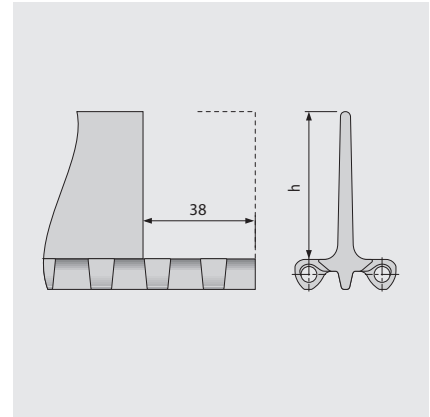
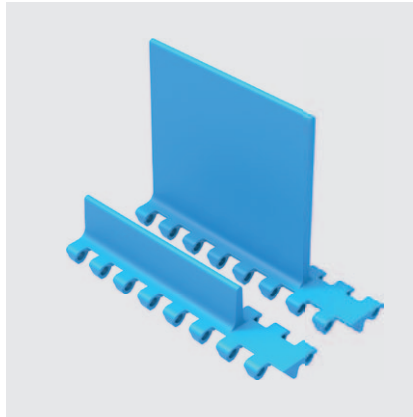
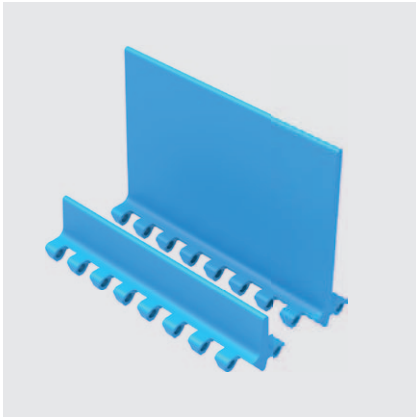
# SERIES 10 | PROFILES

Straight running belt | Pitch 25.4 mm (1 in)

**siegling prolink**  
modular belts

## S10-0 FLT PMU/S10-0 FLT PMU I38

Flat top surface for dry products

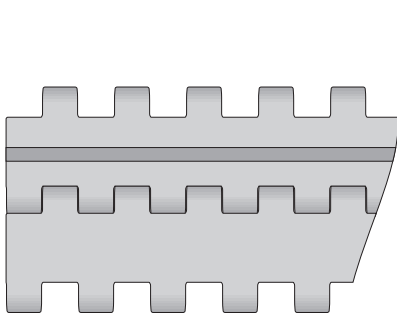


### Basic data

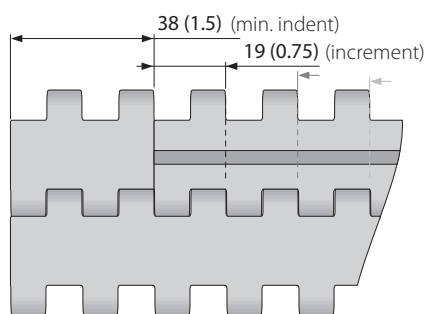
| Material | Color | Height (h)      |                  |
|----------|-------|-----------------|------------------|
|          |       | 25 mm<br>1 inch | 100 mm<br>4 inch |
| PE       | LB    | ●/▲             | ●/▲              |
| PE       | WT    | ●/▲             | ●/▲              |
| POM      | LB    | ●/▲             | ●/▲              |
| POM      | WT    | ●/▲             | ●/▲              |
| PP       | LB    | ●/▲             | ●/▲              |
| PP       | WT    | ●/▲             | ●/▲              |

● = no indent, ▲ = with indent 38 mm

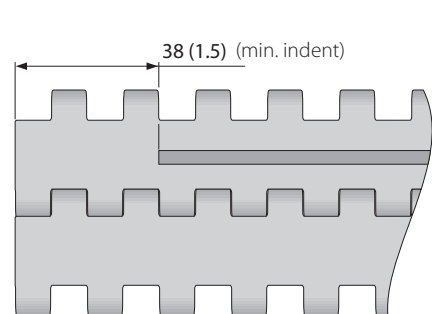
Molded width: 152 mm (6.0 in)



Standard configuration S10-0 FLT PMU



Indent configuration S10-0 FLT PMU



Standard configuration S10-0 FLT PMU I38

■ LB (Light blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

Note: Use of accessory in a belt may impact on the minimum design radii. Please see chapter 6.3 for further information.



MOVEMENT SYSTEMS

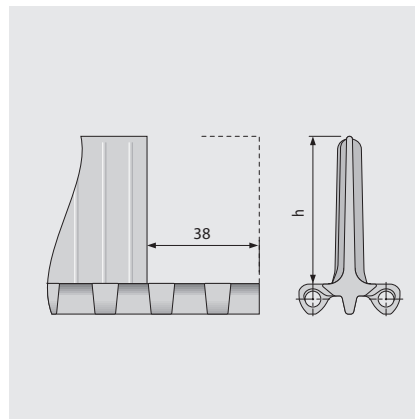
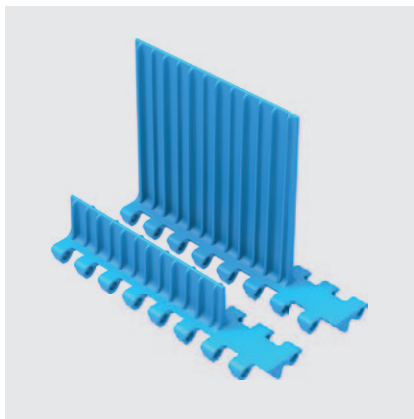
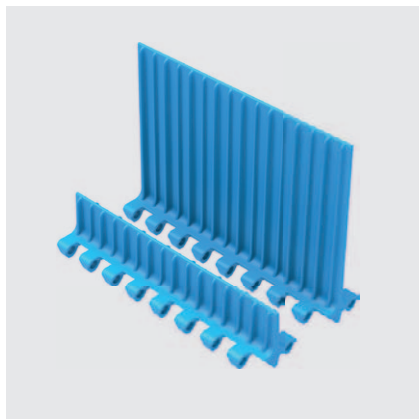
# SERIES 10 | PROFILES

Straight running belt | Pitch 25.4 mm (1 in)

**siegling prolink**  
modular belts

## S10-0 NCL PMU/S10-0 NCL PMU I38

No cling surface to improve release of wet and sticky products

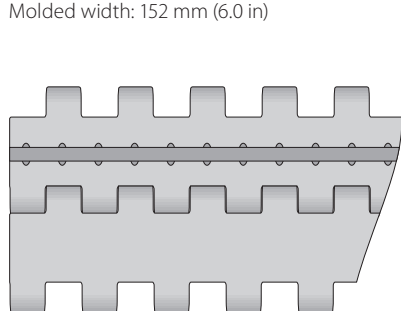


### Basic data

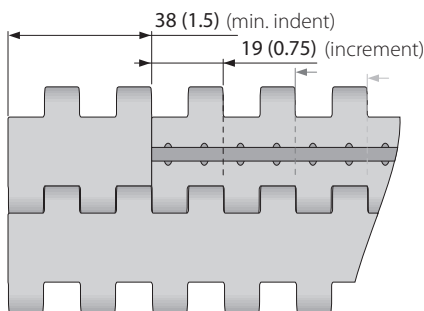
| Material | Color | Height (h)      |                  |
|----------|-------|-----------------|------------------|
|          |       | 25 mm<br>1 inch | 100 mm<br>4 inch |
| PE       | LB    | ●/▲             | ●/▲              |
| PE       | WT    | ●/▲             | ●/▲              |
| PE-MD    | BL    | ●/▲             | ●                |
| POM      | LB    | ●/▲             | ●/▲              |
| POM      | WT    | ●/▲             | ●/▲              |
| POM-MD   | BL    | ●/▲             | ●/▲              |
| PP       | LB    | ●/▲             | ●/▲              |
| PP       | WT    | ●/▲             | ●/▲              |

● = no indent, ▲ = with indent 38 mm

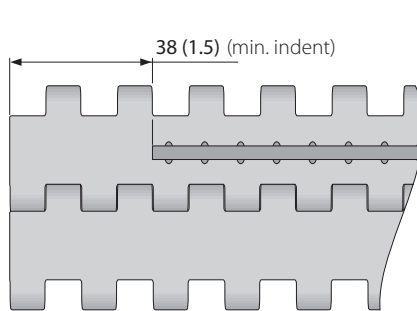
Molded width: 152 mm (6.0 in)



Standard configuration S10-0 NCL PMU



Indent configuration S10-0 NCL PMU



Standard configuration S10-0 NCL PMU I38

■ BL (Blue), ■ LB (Light blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

Note: Use of accessory in a belt may impact on the minimum design radii. Please see chapter 6.3 for further information.



MOVEMENT SYSTEMS

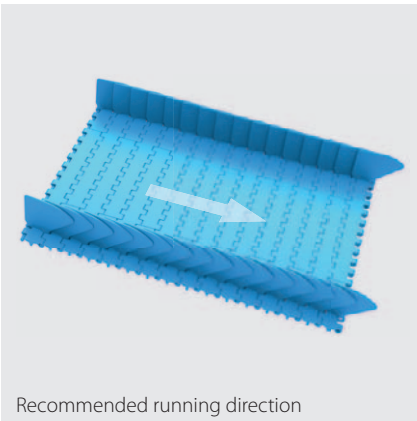
# SERIES 10 | SIDE GUARDS

Straight running belt | Pitch 25.4 mm (1 in)

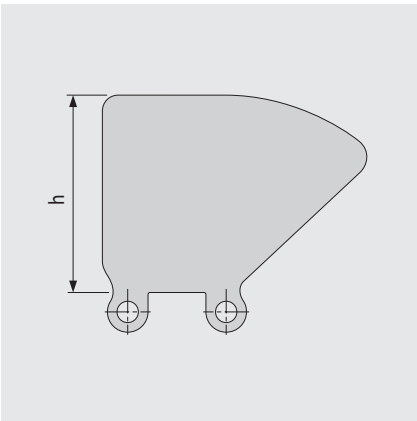
siegling prolink  
modular belts

## S10 SG | Side guards

For retention of bulk products

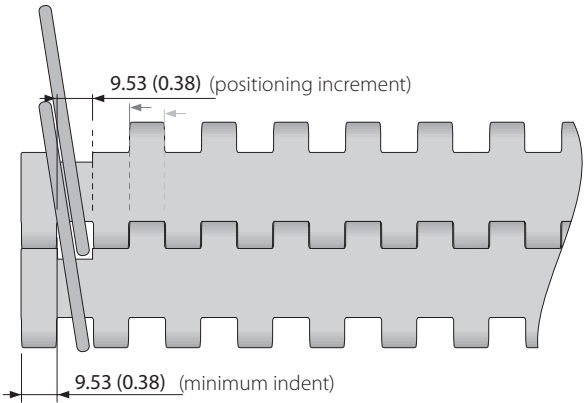


Recommended running direction



### Basic data

| Material | Color | Height (h)      |                 |                 |                  |
|----------|-------|-----------------|-----------------|-----------------|------------------|
|          |       | 25 mm<br>1 inch | 50 mm<br>2 inch | 75 mm<br>3 inch | 100 mm<br>4 inch |
| PE       | LB    | ●               | ●               | ●               | ●                |
| PE       | WT    | ●               | ●               | ●               | ●                |
| PE-MD    | BL    | ●               | ●               |                 |                  |
| PP       | LB    | ●               | ●               | ●               | ●                |
| PP       | WT    | ●               | ●               | ●               | ●                |



■ BL (Blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".  
All imperial dimensions (inches) are rounded off.

Note: Use of accessory in a belt may impact on the minimum design radii. Please see chapter 6.3 for further information.

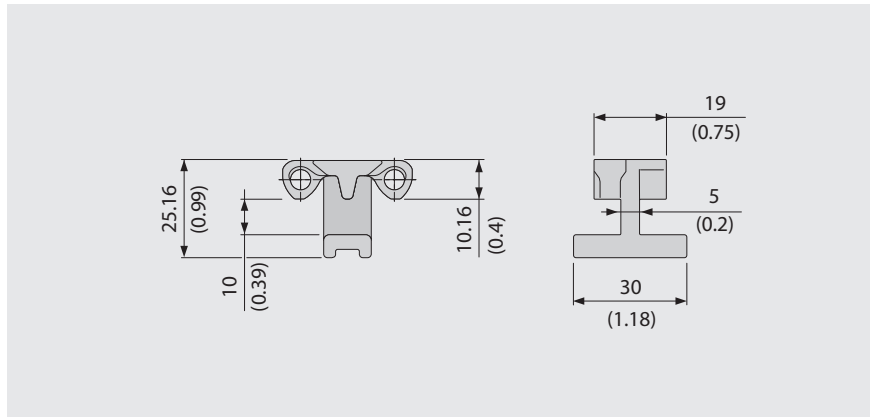
# SERIES 10 | HOLD DOWN TABS

siegling prolink  
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

## S10 HDT | Hold Down Tabs

Used on wider belts to prevent lift an swan neck conveyors | To improve strength, stability and cleanability they are moulded on a narrow module

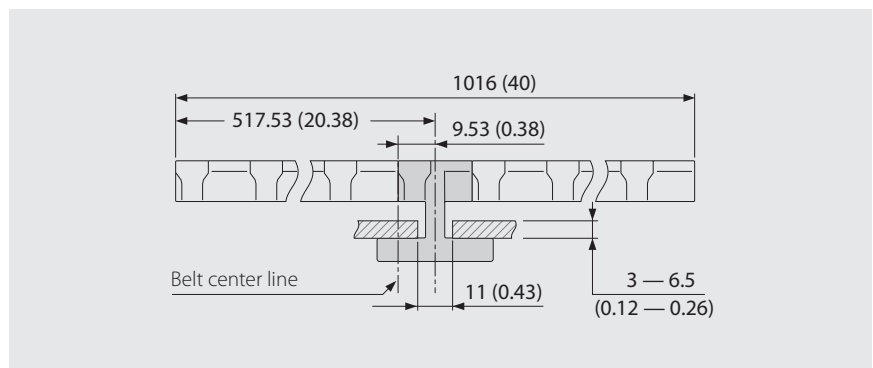


### Basic data

| Material | Color |
|----------|-------|
| POM      | LB    |
|          | WT    |

Using Hold Down Tabs results in constraints with regards to sprocket and shaft size to ensure sufficient clearance to the shaft.

### Example



### Sprocket options using HDT

| Sprocket size<br>(Number of teeth) | Maximum bore round |        | Maximum bore square |        |
|------------------------------------|--------------------|--------|---------------------|--------|
|                                    | [mm]               | [inch] | [mm]                | [inch] |
| Z6                                 | NR                 | NR     | NR                  | NR     |
| Z8                                 | 15                 | 0.75   | 15                  | 0.5    |
| Z10                                | 35                 | 1.25   | 25                  | 1.0    |
| Z12                                | 50                 | 1.75   | 35                  | 1.5    |
| Z15                                | 70                 | 2.75   | 55                  | 2.0    |
| Z16                                | 80                 | 3.0    | 60                  | 2.25   |
| Z18                                | 95                 | 3.5    | 70                  | 2.75   |
| Z20                                | 110                | 4.25   | 85                  | 3.25   |

■ LB (Light blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

Note: Use of accessory in a belt may impact on the minimum design radii. Please see chapter 6.3 for further information.



MOVEMENT SYSTEMS

# LEGEND

|                                     |  |                                                                |  |                                                      |  |                                          |  |
|-------------------------------------|--|----------------------------------------------------------------|--|------------------------------------------------------|--|------------------------------------------|--|
| ① Series                            |  | ④ Type                                                         |  | ⑥ Material                                           |  | ⑦ Color*                                 |  |
| S1 ... S15                          |  | A90 Angle 90° to conveying direction                           |  | PA Polyamide                                         |  | AT Anthracite                            |  |
| ② Open area/Sprocket size           |  | BPU Bucket profile                                             |  | PA-HT Polyamide high temperature                     |  | BL Blue                                  |  |
| Percentage open area                |  | CM Center module                                               |  | PBT Polybutylentere-phthalate                        |  | BG Beige                                 |  |
| Format: xx                          |  | SML Side module, left                                          |  | PE Polyethylene                                      |  | BK Black                                 |  |
| E.g. 20 = 20%                       |  | SMR Side module, right                                         |  | PE-MD PE metal detectable                            |  | DB Dark blue                             |  |
| For sprockets: number of teeth      |  | SMU Side module, universal/both sides                          |  | POM Polyoxymethylene (Polyacetal)                    |  | GN Green                                 |  |
| Format: "Z"xx                       |  | UM Universal module                                            |  | POM-CR POM cut resistant                             |  | LB Light blue                            |  |
| E.g. Z12 = 12 teeth                 |  | PMC Profile module center                                      |  | POM-HC POM highly conductive                         |  | LG Light gray                            |  |
| ③ Surface pattern                   |  | PMU Profile module universal                                   |  | POM-MD POM metal detectable                          |  | OR Orange                                |  |
| BSL Base module for slider          |  | PMU lxx Profile module universal with indent xx = indent in mm |  | PP Polypropylene                                     |  | RE Red                                   |  |
| CTP Cone top                        |  | CLP Clip                                                       |  | PXX-HC Self-extinguishing highly conductive material |  | TR Transparent                           |  |
| FLT Flat top (smooth)               |  | IDL Idler                                                      |  | POM-PE POM side modules + PE center modules          |  | TQ Turquoise                             |  |
| FRT(X) Friction top (Design X)      |  | RI High Grip insert                                            |  | POM-PP POM side modules + PP center modules          |  | UC Uncolored                             |  |
| FRT-OG FRT without High Grip insert |  | SG Module with sideguard                                       |  | R1 TPE 80 Shore A, PP                                |  | WT White                                 |  |
| GRT Grid top                        |  | PIN Coupling rod                                               |  | R2 EPDM 80 Shore A, vulcanized                       |  | YL Yellow                                |  |
| LRB Lateral rib                     |  | FPL Finger plate                                               |  | R3 TPE 70 Shore A, PP                                |  | ⑧ Height/Diameter/Bore size and style    |  |
| MOD Modified module shape           |  | SLI Slider                                                     |  | R4 TPE 86 Shore A, PP                                |  | Height in mm                             |  |
| NCL No cling                        |  | SPR Sprocket                                                   |  | R5 TPE 52 Shore A, PP                                |  | Format: Hxxx                             |  |
| NPY Negative pyramid                |  | RTR Retaining ring                                             |  | R6 TPE 63 Shore A, POM                               |  | Pin diameter in mm                       |  |
| NSK Non skid                        |  | TPL Turning panel, left                                        |  | R7 TPE 50 Shore A, PP                                |  | Format: Dxxx                             |  |
| NTP Nub top (round studs)           |  | TPR Turning panel, right                                       |  | R8 TPE 55 Shore A, PE                                |  | Bore size: SQ (= square) or RD (= round) |  |
| RAT Radius top                      |  | CW Clockwise                                                   |  | SER Self-extinguishing TPE                           |  | either in mm or inches                   |  |
| RSA Reduced surface area            |  | CCW Counterclockwise                                           |  | SS Stainless steel                                   |  | Format: SQxxMM or RDxxIN                 |  |
| RTP Roller top                      |  | ⑤ Style                                                        |  | TPC1 Themoplastic Copolyester                        |  | ⑨ Length/Width                           |  |
| RRB Raised rib                      |  | BT Bearing tap                                                 |  | -HA Supports the HACCP concept                       |  | Pins Length in mm                        |  |
| SRS Slip-resistant surface          |  | G Guided                                                       |  | -HW High Wear resistant material                     |  | Format: Lxxx                             |  |
|                                     |  | GT Guiding tabs                                                |  |                                                      |  | Module width in mm                       |  |
|                                     |  | RG Reversed guided                                             |  |                                                      |  | Format: Wxxx                             |  |
|                                     |  | SG Side guard                                                  |  |                                                      |  |                                          |  |
|                                     |  | ST Strong (S5)                                                 |  |                                                      |  |                                          |  |
|                                     |  | DR Double row sprocket                                         |  |                                                      |  |                                          |  |
|                                     |  | SP Split sprocket                                              |  |                                                      |  |                                          |  |
|                                     |  | F1, F2, F3 ... Collapse factor modules                         |  |                                                      |  |                                          |  |
|                                     |  | HD Hold Down                                                   |  |                                                      |  |                                          |  |

\* For each series' standard colors please refer to the table of materials for each belt (chapter 1.2). A number of other colors are available on request. Colors can vary from the original due to the print, production processes or material used.



MOVEMENT SYSTEMS