

BRUBELT 45 BY SEMPERIT

MADE IN SWITZERLAND

ELEVATING MOVEMENT,
MOVING PEOPLE EFFICIENTLY

PRODUCT SHEET



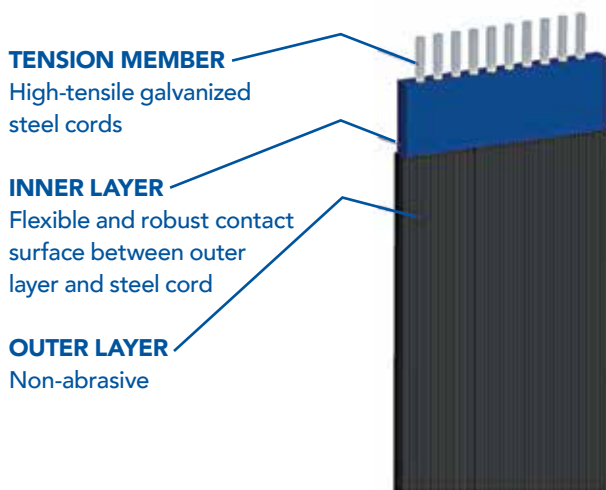
The Semperit BRUBelt 45 stands out for its dynamic strength, flexibility and movement performance. It combines high-strength steel stands with advanced polymers, significantly reduced installation space compared to conventional steel cables.

Compared to standard belts of similar dimensions, it provides a higher load-bearing capacity with a reduced metallic cross-section.

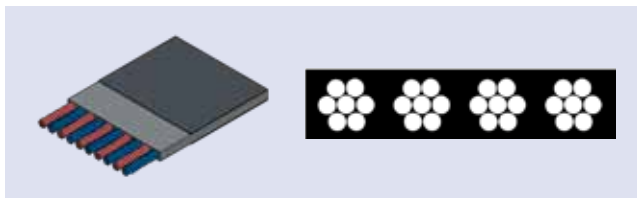
As an alternative to chains and wire-rope hoist systems, BRUBelt 45 provide a low maintenance, cost-efficient, and space-saving option for elevators.

TECHNICAL INFORMATION

- Cross section: 30mm x 3.3mm
- Belt weight: ~ 240 g/m
- Belt width: 30mm +/- 0.5mm
- Belt thickness: 3.3mm +/- 0.1mm
- Available drum size between 2'000m and 5'100m
- Number of steelcords in the belt: 10
- Minimum breaking load: 45kN
- Tested endurance of up to 10 million single bends



CROSS SECTION



KEY PRODUCT ADVANTAGES

FLEXIBILITY & MOVEMENT PERFORMANCE

- Increased flexibility and traction
- Excellent bending and flexural fatigue strength
- Lower belt elongation under load



MATERIAL & SAFETY PROPERTIES

- Halogen- and silicone-free

STRENGTH & DURABILITY

- High tensile strength, wear resistance and resistance to external influences (e.g., weathering, abrasion, UV radiation)

PULLEY & SYSTEM DESIGN ADVANTAGES

- Smaller pulley and idler rollers

RUNNING QUALITY & NOISE/VIBRATION

- Optimised running performance
- Smooth operation with reduced vibration and noise

APPLICATION GUIDELINES

- Maximum fleet angle: $\pm 0.5^\circ$
- Tested endurance of up to 10 million single bends
- Permissible temperature range: -10 to 50°C
- Maximum relative humidity: 90 % (non-condensation)
- UV resistance: Use in glass shafts with a minimum of 95% UV protection

Va. 05.2026 All specifications, numbers, calculations, test values, and data mentioned here are in accordance with the current state of the art. As the operating conditions have an influence on product application, it is the sole responsibility of the customer to check the application conditions of each individual case, and whether the specified quality criteria of our products are adequate for the intended purpose. Improper use, excessive loading, or exposure to impermissible media can impair the product's function. The pictures and graphics shown are only representative images. No liability is accepted for mistakes or printing errors, and data is subject to change at any time. Copying and distribution in any form whatsoever, in whole or in part, only with the express written consent of Semperit. Copyright © Semperit 2026. All rights reserved.

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