



MOUNTAIN

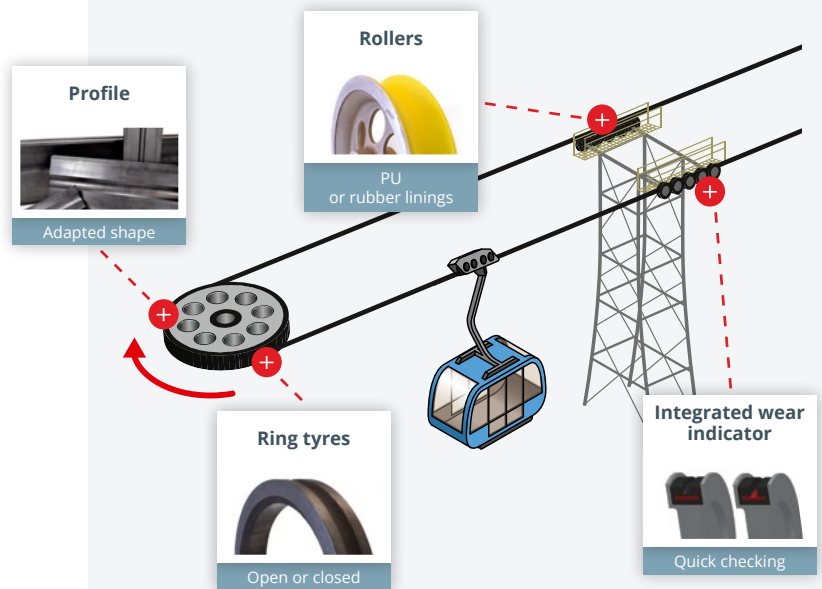
TECHNICAL SOLUTIONS IN RUBBER AND COMPOSITE

For more than 60 years, BORFLEX® has been designing and producing special elastomer products intended for the mountain sector.

The high performance of its linings for pulleys, bindings, cabin and motor equipment has contributed to BORFLEX® being recognised by the world's leading ski lift companies, engineering firms and ski area operators.



CABLE TRACTION AND GUIDANCE



CABIN AND SKI LIFT EQUIPMENT



EXPRESS LINING

PROPERTIS OF THE RUBBER MIXTURES

- Wide range of mechanical characteristics, ranging from genuine elastomers, to high-strength rigid materials.
- Resistance to abrasion
- Resistance to recurrent bending
- Break resistance
- Resistance to tearing

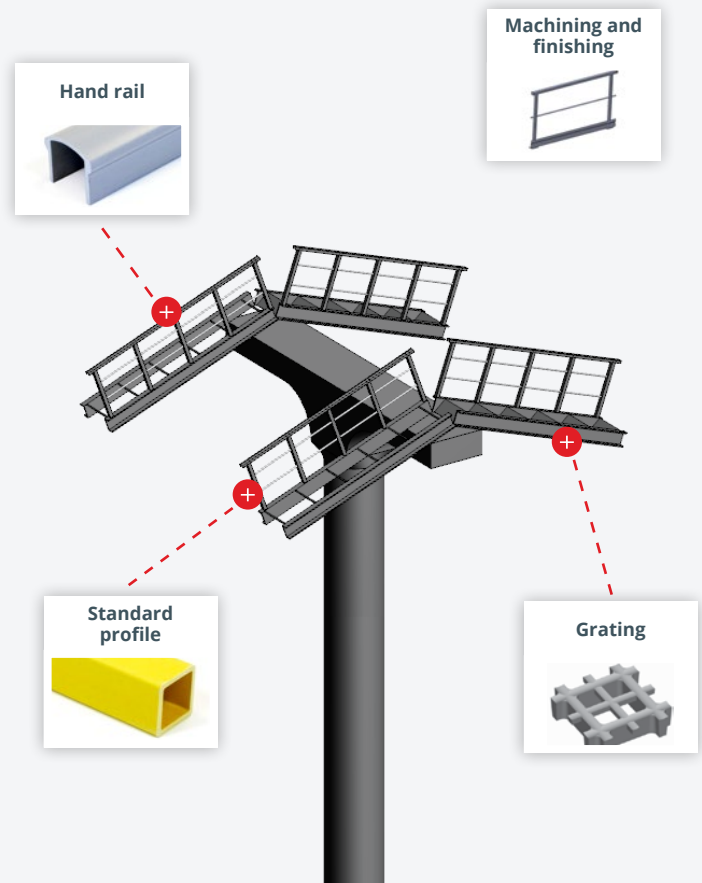
*For more information, consult the BORFLEX "FLAMESTOP® / Fire resistant & halogen-free elastomers" documentation.

- Resistance to temperatures from -40 to 80 °C
- Flame retardent (fire/smoke classification)*
- Excellent resistance to ageing, heat, cold, UV, and atmospheric agents
- Electrical properties (insulating or low resistivity)
- Standard or special mixtures
- Hardness from 30 to 96 Shore A.

ADVANTAGES OF POLYURETHANE

- High level of physical and mechanical properties
- High resilience
- High resistance to abrasion and tearing
- Excellent resistance to oils, greases, and fuels

PROFILES AND COMPOSITE STRUCTURES



ADVANTAGES OF COMPOSITE

- Light weight (2 times lighter than steel)
- Rigidity
- Mechanical resistance
- Resistance to chemical agents
- Resistance to adverse weather conditions
- Life span
- Waterproofing
- Dimensional stability in extreme conditions
- Electrical and thermal insulation
- Resistance to fire
- Electromagnetic transparency
- Dyed in the mass
- Anti-corrosion
- Maintenance
- Cost effective
- Machinability
- Alternative to metals, woods, and plastics

	Density	Elastic limit in traction (MPa)	Specific elastic limit (MPa/Kg)	Elasticity modulus in traction (GPa)	Melting point (°C)	Thermal conductivity (W/m.K)	Coefficient of thermal expansion (x10-6/°C)
Composite (depending on the glass volume content)	1,6 - 2,1	100 - 1400	62 - 666	12 - 40	N/A	0,5	5 - 10
Steel	7,85	200 - 1300	25 - 165	210	1425	26 - 46	10 - 18
Aluminium	2,7	100 - 400	37 - 148	70	500 - 660	170 - 237	27

PROTECTION AND MARKING



Sight glass cover



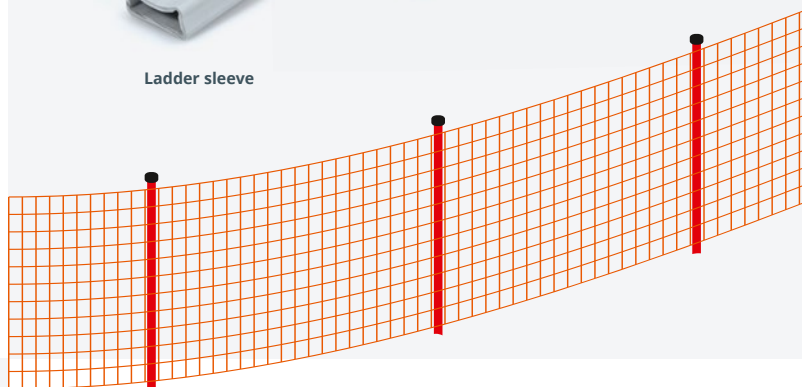
Corner protection joint



Bolt guard



Ladder sleeve



Blades, sprockets, cabin seals, deflectors, bellows etc.



Bellows



Grooming sprocket

ENGINE AND USER EQUIPMENT



Synthetic sealskins



Ice stock sport