

Virsbolt 240/240+/240 light

General Product Description

Virsbolt 240/240+/240 light are used for tunneling, construction and mining, especially when thicker material or higher strength is needed since the products have a load capacity of 240 kN. The bolts are delivered in wall thicknesses between 2.3 - 3 mm, and in bundles of 50 bolts.

Virsbolt 240+ is made of special steel and has gone through a precise annealing process to give the bolts excellent elongation characteristics whilst maintaining good load bearing capacity. This gives Virsbolt 240+ better capacity to follow rock deformation with squeezing ground or high strain concentration areas. Virsbolt 240+ could also be an alternative to Dynamic Rock Bolts, since the product can absorb energy better and be used in deeper levels in the mine.

Virsbolt 240 light is made of a steel with a higher strength. The load bearing capacity is the same 240 kN. The weight of the product is less since the thickness is 2.3 mm, which gives an improved sustainability performance. The products are available within the length range of 2.4 - 6.0 meters.

Advantages using Virsbolt:

- Provides immediate and full support action
- Accommodates large rock movements and still maintain its high load bearing capacity
- High deformability to accommodate ground movements in tension as well as in shear

Dimension Range

Virsbolt, which is JENNMARs expandable rock bolts comes in a variety of dimensions and load carrying specifications. Please contact your local sales person for more information, info@jennmar.se.

Product	Virsbolt 240/240+/240 light
Profile diameter (mm)	36
Original tube diameter (mm)	54
Upper bushing diameter (mm)	38
Bushing head diameter (mm)	41 / 48
Standard length ¹⁾ (m)	2.4 - 6.0

¹⁾ Other lengths upon request.

Mechanical Properties

Product	Wall Thickness (mm)	Minimum yield load (kN)	Typical Elongation A (%), not guaranteed	Elongation A (min %)	Typical breaking load (kN), not guaranteed	Minimum breaking load (kN)	Weight (kg/m)
Virsbolt 240	3.0	200	20	15	250	240	4.0
Virsbolt 240+	3.0	170	30	25	240	230	4.0
Virsbolt 240 light	2.3	220	20	10	250	240	3.1

Tolerances

Tolerances according to JENNMAR specifications.

Please contact your local sales person for more information regarding tolerances.

Delivery Conditions

Dry/oiled/ plastic coated. JENNMARs expandable rock bolts are delivered bundled. Virsbolt 240/240+/240 light are delivered in bundles of 50 bolts per bundle. Delivery requirements can be found in our brochure Virsbolt, expandable rock bolt for rock reinforcement or at www.jennmar.se.

Fabrication and Other Recommendations

Product	Virsbolt 240/240+/240 light
Recommended hole diameter (mm)	43 - 52
Recommended inflation pressure (bar)	300

Contact Information

info@jennmar.se