

## **VT 20 Formwork Girder**

# The quality girder for daily use on construction sites

Product Brochure - Issue 03/2019









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### The quality girder for daily use on construction sites

The cost-effective VT 20 solid web girder can be used universally. The wooden formwork girder with a 20 cm overall height has been optimised for use in slab formwork operations. Especially for thin slabs with short spans, the solid web girder provides the most suitable solution. The VT 20K Girder is extremely economical to use also for special solutions - ranging from simple beams through to bridge or tunnel formwork projects. The girders are available in 11 lengths from 1.45 m to 5.90 m. Optionally, the girders are available with steel caps which reliably protect the concave web ends against damage.

#### High level of dimensional stability

due to a chord cross-section of 4 cm x 8 cm and a 25-mm-thick, highly compressed web board

#### Extremely versatile use

thanks to the system holes in the web, e.g. for mounting guardrails

#### Low weight

allows "one-man assembly" handling up to working heights of 4.50 m



#### **Technical data**

Weight: 5.40 kg/m

Permissible shear force: 11.00 kN
Permissible bearing force: 22.00 kN
Permissible bending moment: 5.0 kNm
Bending stiffness: El<sub>y</sub> = 460 kNm<sup>2</sup>

 $I_{v}^{'} = 4.181 \text{ cm}^{4}$ 



The VT 20 Alpha Formwork Girder is the inexpensive alternative for daily use on the construction site.



On the VT 20K girder, steel caps provide reliable protection against damage at the ends of the chords. Securing of the steel cap has been intentionally done in the unstressed area of the web.

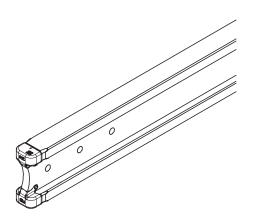


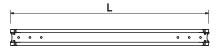
The girder with a 20 cm overall height was developed especially for slab formwork operations. It can be used as a cross and main beam.

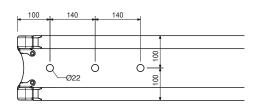
Item no.	Weight kg	
		Girders VT 20K with Steel Caps
074990	8.230	Girder VT 20K, L = 1.45 m
074905	12.010	Giredr VT 20K, L = 2.15 m
074910	13.630	Girder VT 20K, L = 2.45 m
074890	14.710	Girder VT 20K, L = 2.65 m
074920	16.060	VT 20K Girder, L = 2.90 m
074930	18.220	Girder VT 20K, L = 3.30 m
074940	19.840	Giredr VT 20K, L = 3.60 m
074950	21.460	Girder VT 20K, L = 3.90 m
074960	24.700	Girder VT 20K, L = 4.50 m
074970	26.860	Girder VT 20K, L = 4.90 m
074980	32.260	Girder VT 20K, L = 5.90 m
		Universal formwork girder made of wood.

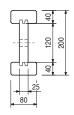
#### Note

The girder fulfils all requirements of DIN EN 13377 Class P20 (Declaration of Conformity).









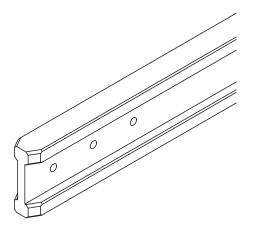
073650	7.830
073651	11.610
073652	13.230
073653	14.310
073654	15.660
073655	17.820
073656	19.440
073657	21.060
073658	24.300
073659	26.460
073660	31.860

#### Girders VT 20 Alpha

Girder VT 20 Alpha, L = 1.45 m Girder VT 20 Alpha, L = 2.15 m Girder VT 20 Alpha, L = 2.45 m Girder VT 20 Alpha, L = 2.65 m Girder VT 20 Alpha, L = 2.90 m Girder VT 20 Alpha, L = 3.30 m Girder VT 20 Alpha, L = 3.60 m Girder VT 20 Alpha, L = 3.90 m Girder VT 20 Alpha, L = 4.50 m Girder VT 20 Alpha, L = 4.50 m

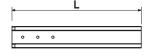
Girder VT 20 Alpha, L = 5.90 m

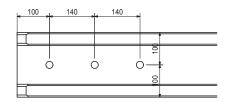
Universal formwork girder made of wood.

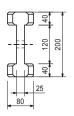


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# The optimal System for every Project and every Requirement



Wall Formwork



Column Formwork



Slab Formwork



**Climbing Systems** 



**Bridge Formwork** 



**Tunnel Formwork** 



Shoring Systems



**Construction Scaffold** 



Facade Scaffold



**Industrial Scaffold** 



Access



**Protection Scaffold** 



Safety Systems



System-Independent Accessories



Services



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