

# VT 20K | VT 20 Formwork Girders

## The cost-effective solid web girder

Product Brochure



# VT 20K Formwork Girder

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The cost-effective PERI VT 20K solid web girder can be used universally. The wooden formwork girder with a 20 cm overall height is optimized for use in slab formwork operations. Especially for thin slabs with short spans, the solid web girder provides the most appropriate solution. The VT 20K is extremely economical to use also for special solutions – ranging from simple beams through to bridge or tunnel formwork projects.

The girder is available in 11 lengths from 1.45 m to 5.90 m and, as a rule, has robust steel caps fitted at the end of the chords. These steel caps along with the concave web end provide the girder with reliable protection against damage. Alternatively, the girder can also be supplied without caps.



## Robust

with steel caps on the chord ends and concave web ends

## Site-compliant quality

with chords made of high-quality softwood and a highly compressed web board with a high proportion of synthetic resin

## Universal

Used cost-effectively for many applications

## Technical data

Weight: 5.90 kg/m

Permissible shear force: 11.00 kN

Permissible bending moment: 5.0 kNm

Flexural strength:  $EI_v = 460 \text{ kNm}^2$

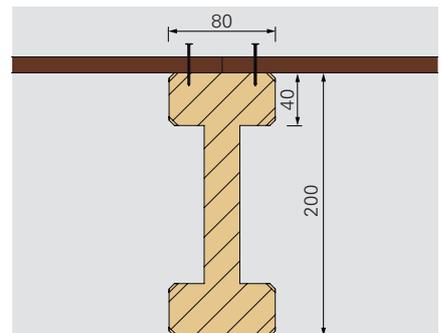
$I_v = 4.181 \text{ cm}^4$



Steel caps on the ends of the chords provide reliable protection against damage. 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 secondary and main beam.



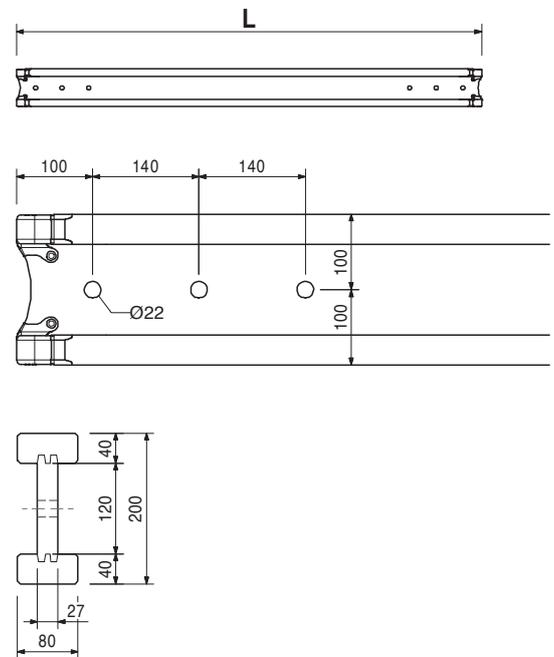
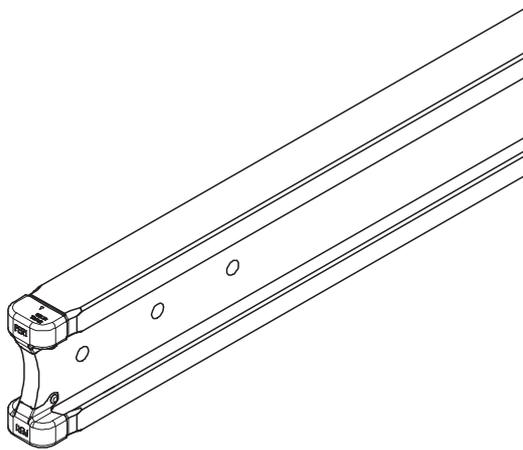
The 4 x 8 cm thick chords provide sufficient width for nailing plywood joints.

Item no.	Weight kg		L
		<b>VT 20K Girders with Steel Caps</b>	
074990	8.560	VT 20K Girder, L = 1.45 m	1447
074905	12.700	VT 20K Girder, L = 2.15 m	2152
074910	14.460	VT 20K Girder, L = 2.45 m	2452
074890	15.640	VT 20K Girder, L = 2.65 m	2652
074920	17.110	VT 20K Girder, L = 2.90 m	2902
074930	19.470	VT 20K Girder, L = 3.30 m	3292
074940	21.240	VT 20K Girder, L = 3.60 m	3592
074950	23.010	VT 20K Girder, L = 3.90 m	3892
074960	26.550	VT 20K Girder, L = 4.50 m	4492
074970	28.910	VT 20K Girder, L = 4.90 m	4902
074980	34.810	VT 20K Girder, L = 5.90 m	5902

Versatile formwork girder made of wood.

**Note**

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



		<b>VT 20 Girders without Steel Caps</b>	L
073710	8.560	VT 20 Girder, L = 1.45 m	1445
073720	12.700	VT 20 Girder, L = 2.15 m	2150
073730	14.460	VT 20 Girder, L = 2.45 m	2450
073740	15.640	VT 20 Girder, L = 2.65 m	2650
073750	17.110	VT 20 Girder, L = 2.90 m	2900
073760	19.470	VT 20 Girder, L = 3.30 m	3290
073770	21.240	VT 20 Girder, L = 3.60 m	3590
073780	23.010	VT 20 Girder, L = 3.90 m	3890
073790	26.550	VT 20 Girder, L = 4.50 m	4490
073800	28.910	VT 20 Girder, L = 4.90 m	4900
073810	34.810	VT 20 Girder, L = 5.90 m	5900

**The optimal System  
for every Project and  
every Requirement**



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