



VETTER®

www.forks.com

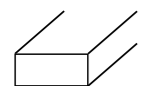


**BIG
BIGGER
BIG Forks**

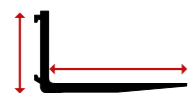
BIGForks - made by VETTER

Power packages for safe handling of heaviest loads

Whether in the port industry, for container transport, on construction sites, in quarries or in the metal or timber industry - endurance, strength and efficiency are required here. With the most extensive product range of large forks, VETTER offers solutions for almost all applications where heavy loads are moved, with load capacities of up to 130 tonnes and a blade length of up to 5,000 mm. The high-performance steels VQ32+ and VQ1300, a special heat treatment and 60 years of expertise in fork production guarantee heavy-duty continuous use for your application.



400 mm
max. width
150 mm
max. thickness



Blade length up to
5.000 mm*
Back heights up to
2.000 mm*



Capacity per pair
up to
130 tons*



3x static safety and
1,000,000 load
cycles with
25% overload
(ISO 2330)



More about
BigForks:
www.forks.com

BigForks in use

BigForks in the wood industry

The challenge in transporting wood and chipboard is the minimal space between the individual packages. Boards must be handled with care, forks must slide easily between the packages to avoid damage to the material.

The solution:

FTP forks from VETTER: The **400 mm fork blade width** ensures an optimal weight distribution and sufficient contact surface. At the same time, the **fork blade is very thin, beveled over the entire length and tapered to a fork tip that is only 5 mm thick**. Driving into the stacked timber packages is significantly simplified.



More about this project

What does FTP forks mean?

FTP means **fully tapered polished**. Characteristic features are a long bevel, a very thin but wide fork blade and an only few millimetres thick fork tip (up to 3mm), alternatively as chisel tip. In addition, these forks have a smoothly polished surface to prevent damage to goods.

Application:

- Load carrier with low entry height
- Transport without load carriers (e.g. wood, furniture, board and paper industries)



BigForks in the metal industry

Aluminium coils are not only heavy, they also require the highest levels of precision and safety when loaded onto freight trains. The biggest challenge is the coils slipping off the forks.

The solution:

The blade surfaces of the BigForks are mechanically machined and beveled to a form which, when the carrier forks are parallel, **match the inner rounding of the coil**. When entering the coils, the load is evenly distributed without edge pressure. The orange **CROC® spray coating** prevents the coils from slipping and protects the sensitive surface of the aluminium.



More about this project

BigForks in quarries

Forks are put to the test when carrying enormous loads of up to 50 tonnes. But it's not just the weight that affects the forks, it's also the rough terrain that causes the forks to vibrate.

The solution:

VETTER BigForks with **load capacities of up to 130 tonnes** and high wear resistance set the benchmark! An impressive cross-section of **350 mm width and 150 mm thickness** is used in this project. **Fork steel VQ1300** in combination with **special heat treatment** provides around 50% higher strength for high dynamic loads.



More about this project

BigForks for wind turbines

Wind turbines are the hope for the energy revolution. The production, transport and erection of these increasingly gigantic turbines require ever larger machines. This includes the forklift trucks and their forks. The dimensions and load capacities are getting bigger and bigger.

The solution:

VETTER BigFork with a **cross section of 300 x 120 mm** and a **blade length of 3.800 mm**. The forks can be adjusted laterally on the fork carrier thanks to the **integrated roller guide**.



More about this project

Best steel for best forks

Only the best steel enables the fork to withstand even the toughest duties. Over decades VETTER has developed steel grades especially designed for the specific needs in the forklift industry. This ensures the toughness, purity, hardness, workability which is essential – without compromises!

QUALITÄTSSTAHL
VQ32+
QUALITYSTEEL

THE ALL-ROUNDER

- High abrasion and wear resistance
- Up to 12 % higher yield strength compared to standard fork steel
- Operating temperature -30°C to +100°C
- High dynamic and static load capacity

HOCHLEISTUNGSSTAHL
VQ1300
HIGH-PERFORMANCE STEEL

HEAVY DUTY APPLICATIONS

- High abrasion and wear resistance
- Up to 50 % higher yield strength compared to standard fork steel
- Operating temperature -40°C to +120°C
- Higher dynamic and static load capacity with the same cross-section, new design options

Customised fork production for your application

VETTER BigForks are individually manufactured according to customer requirements. From different suspensions to **CROC**[®] anti-slip coatings on the fork blade or **ATEX forks** for hazardous areas to the **integrated camera and sensor technology** of the **SmartFork**[®] product family - we develop your customised fork solution.



Roller-guided and height-adjustable



BIGForks with spray-coating



Cranked forks



Roller-guided with load protection



BIGForks SmartFork[®]: Integrated camera and laser technology

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