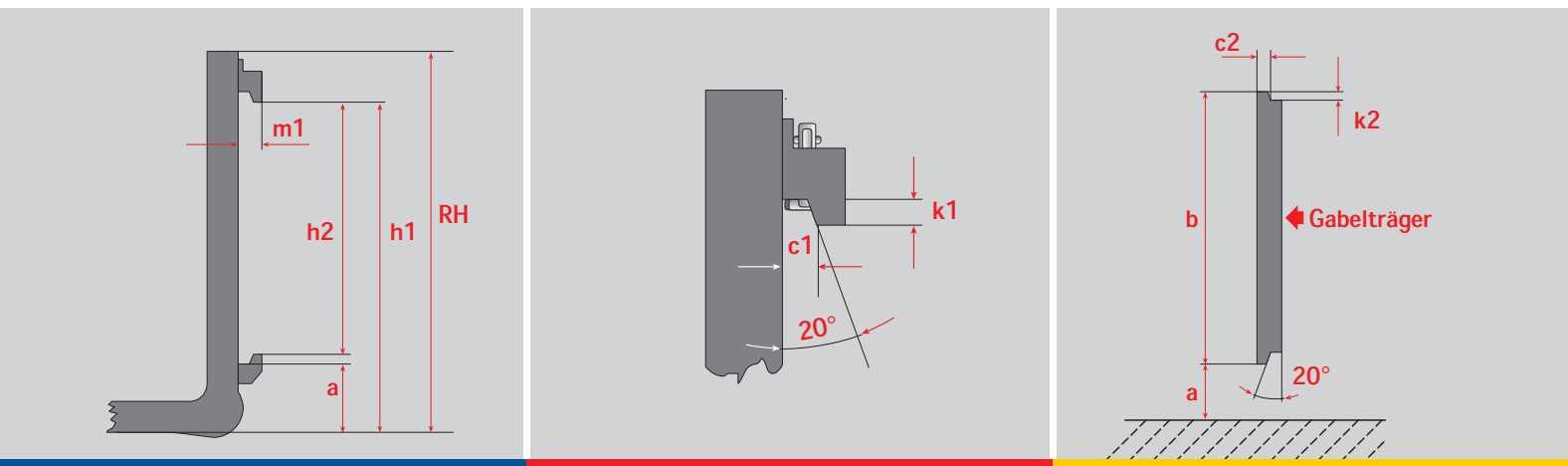


Quality**Forks** made by VETTER
Order- / Inquiry Forms

Connection measures ISO-suspension / Cross-sections



Connection measures ISO-suspension

Class	Rated lift-truck capacity kgs	Load centre mm	Form ISO	Drop a (clearance) mm	b mm	c1+1 mm	c2-1 mm	h1±3 mm	h2' mm	k1 min. mm	k2-1,5 mm	m1 max. mm	RH±1g ISO mm
ISO 1	0 - 999	400 + 600 ^{a)}	1 A	76	331	16,5	16	394	306	14	13	31	1 A 475
			1 B	114				432	306				1 B 510
ISO 2	1.000 - 2.500	500 + 600 ^{b)}	2 A	76	407	16,5	16	470	382	14	13	31	2 A 550
			2 B	152				546	382				2 B 625
ISO 3	2.501 - 4.999	500 + 600	3 A	76	508	22	21,5	568	477	17	16	40	3 A 655
			3 B	203				695	477				3 B 780
ISO 4	5.000 - 10.000	600	4 A	127	635	26	25,5	743	598	20	19	47	4 A 845
			4 B	254				870	598				4 B 970
ISO 5**	8.001 - 10.999	600	5A	127	728	35	34	830	680	26	25	65	5 A 930
			5B	257				960	680				5 B 1060

* ISO 1+2: Tolerance + 1 mm
ISO 3,4+5: Tolerance + 1,5 mm

** The ISO 5 is introduced in 2003 and therefore still unusual in Europe.
The capacity range of 5,000 – 10,000 kgs will still be covered by the ISO 4, as it was usual up to now.

a) 600 mm is used in the USA
b) 600 mm is used in USA, Asia, Australia

Available cross-sections

(in mm / width x thickness)

50 x 50	60 x 50	80 x 30	80 x 35	80 x 40	80 x 50	80 x 60	80 x 70
100 x 30	100 x 35	100 x 40	100 x 45	100 x 50	100 x 60	120 x 40	120 x 45
120 x 50	125 x 40	125 x 45	125 x 50	130 x 35	130 x 40	130 x 45	130 x 60
140 x 50	140 x 60	150 x 40	150 x 45	150 x 50	150 x 60	150 x 65	150 x 70
150 x 75	180 x 50	180 x 60	180 x 70	200 x 60	200 x 70	200 x 80	200 x 95

Further cross-sections on demand!

Order-/ Inquiry Form
Telefax +49 2736 4961-17



QualitätsGabelzinken · QualityForks

VETTER
DirektShipment

Order-No.: _____
 Enquiry-No.: _____
Date: _____

Sender	Customer No.: _____	Delivery address (if different from sender's address)
Company: _____	_____	Company: _____
Street: _____	_____	Name / dept.: _____
Zip / Town / Country: _____	_____	Street: _____
Phone No.: _____ Fax No.: _____	_____	Zip / Town / Country: _____
Contact person: _____	_____	Add. Delivery note remarks: _____

A. QualityForks

Quantity (piece)	Cross-section width (GB) x thickness (GD) mm	Blade length (L) mm	Capacity / Pair kgs	Load centre distance (LC) mm	ISO class	Truck-Type	Single Price €	Delivery time

B. QualityForkExtensions

Quantity (piece)	Dimension Fork width x thickness x length mm	Total length of Extension mm	Version	Single Price €	Delivery time
			<input type="checkbox"/> open <input type="checkbox"/> closed		
			<input type="checkbox"/> open <input type="checkbox"/> closed		

C. Accessories / spare parts / claddings

Quantity (piece)	Article No.	Article description / dimensions	Single Price €	Delivery time

D. Notes

Conditions of sale and delivery of **VETTER Umformtechnik GmbH** are basis for this order / enquiry.

Minimum order value: 50.00 Euro

Additional charge for smaller orders: 10.00 Euro

Date / sign _____

www.vetter-forks.com

VETTER Umformtechnik GmbH

Carl-Benz-Strasse 45 · 57299 Burbach / Germany · Telefon: +49 2736 4961-0 · Telefax: +49 2736 4961-17 · info@vetter-forks.com

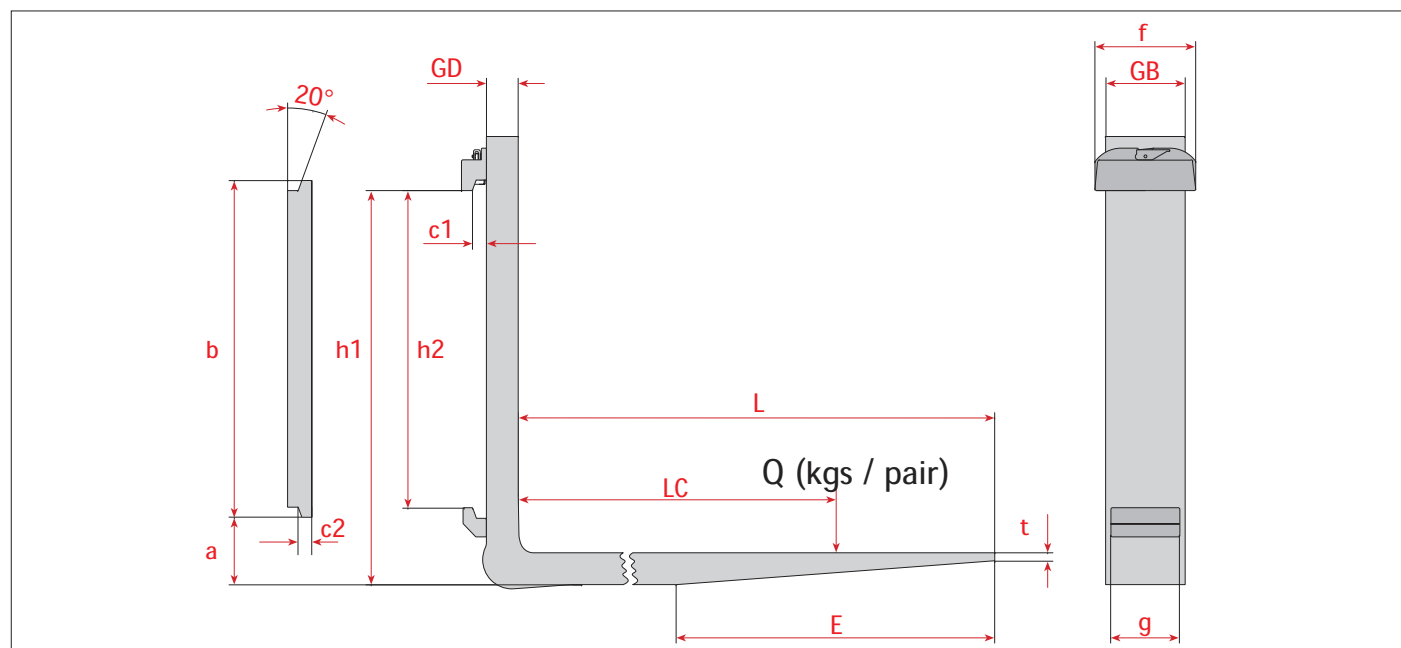
QualityForks

with ISO-suspension

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender _____ **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____



"Must" Data	
Quantity:	_____
Cross-section:	_____ mm x _____ mm <small>Width (GB) Thickness (GD)</small>
Blade length (L):	_____ mm
Capacity / Pair:	_____ kgs
Load Center Distance:	_____ mm
Suspension Class	Please Tick:
→ <u>Standard Data</u>	<input type="checkbox"/> 1A <input type="checkbox"/> 1B
see page 2	<input type="checkbox"/> 2A <input type="checkbox"/> 2B
	<input type="checkbox"/> 3A <input type="checkbox"/> 3B
	<input type="checkbox"/> 4A <input type="checkbox"/> 4B
	<input type="checkbox"/> 5A <input type="checkbox"/> 5B
Price per piece	_____ €
Delivery date	week _____

"Optional" Data (fill in only if deviations from the standard)	
Taper length	(E): _____ mm
Tip thickness	(t): _____ mm
	(h1): _____ mm
Distance between hooks	(h2): _____ mm
Drop (clearance)	(a): _____ mm
Carriage height	(b): _____ mm
Width of upper hook	(f): _____ mm
Width of lower hook	(g): _____ mm
Opening of hook	(c1): _____ mm

Additional Data
 Brand of lift truck: _____
 Lift truck type: _____

Date / sign _____

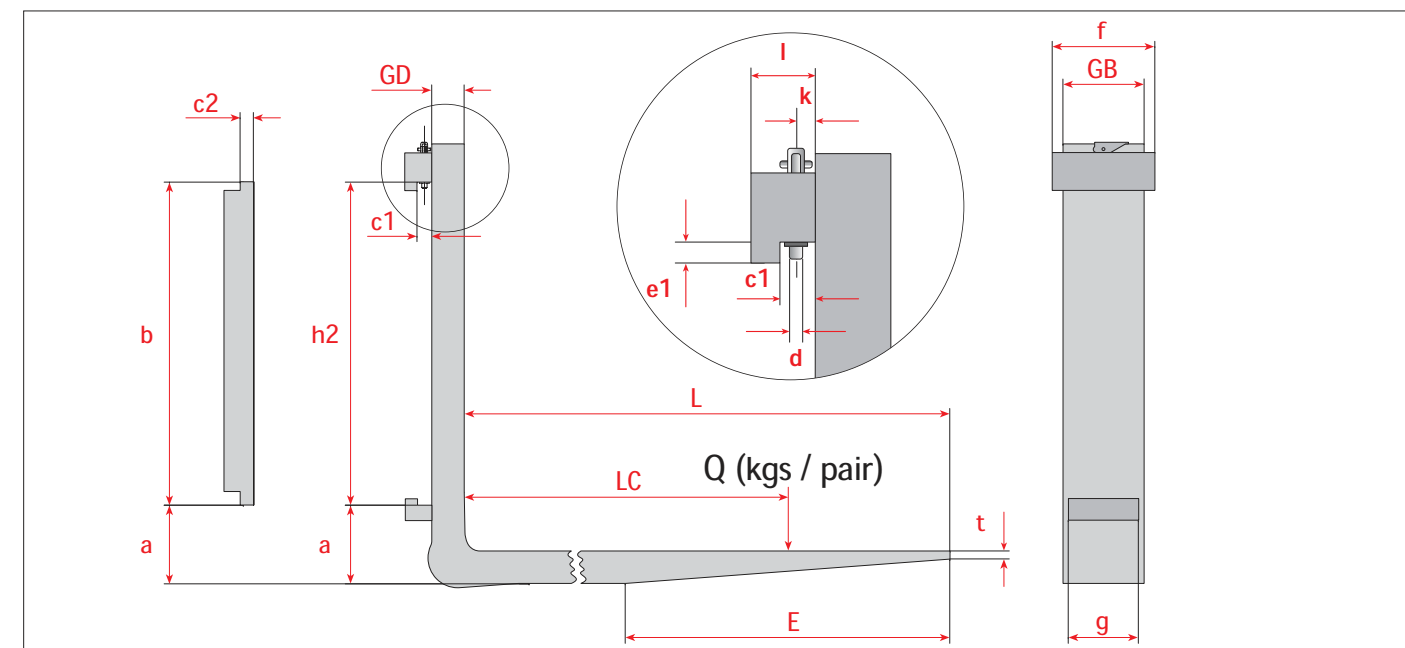
QualityForks

with square hooks (DIN hooks)

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender _____ **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____



"Must" Data	
Quantity:	_____
Cross section:	_____ mm x _____ mm <small>Width (GB) Thickness (GD)</small>
Blade length (L):	_____ mm
Capacity / pair:	_____ kgs
Load center distance:	_____ mm
Suspension	Please tick (if known):
	<input type="checkbox"/> DIN 360 <input type="checkbox"/> Special (fill in
	<input type="checkbox"/> DIN 400 "Optional"
	<input type="checkbox"/> DIN 500 Data)
	<input type="checkbox"/> DIN 570
Price per piece	_____ €
Delivery date	week _____

"Optional" Data (fill in only if deviations from the standard)	
Taper length	(E): _____ mm
Tip thickness	(t): _____ mm
Drop (clearance)	(a): _____ mm
Carriage height	(b): _____ mm
Opening of hook	(c1): _____ mm
Carriage bar thickness	(c2): _____ mm
Diameter of bolt	(d): _____ mm
	(e1): _____ mm
Width of upper hook	(f): _____ mm
Width of lower hook	(g): _____ mm
Distance between hooks	(h2): _____ mm
Measure to center of bolt	(k): _____ mm
Thickness of hook	(l): _____ mm

Additional Data
 Brand of lift truck: _____
 Lift truck type: _____

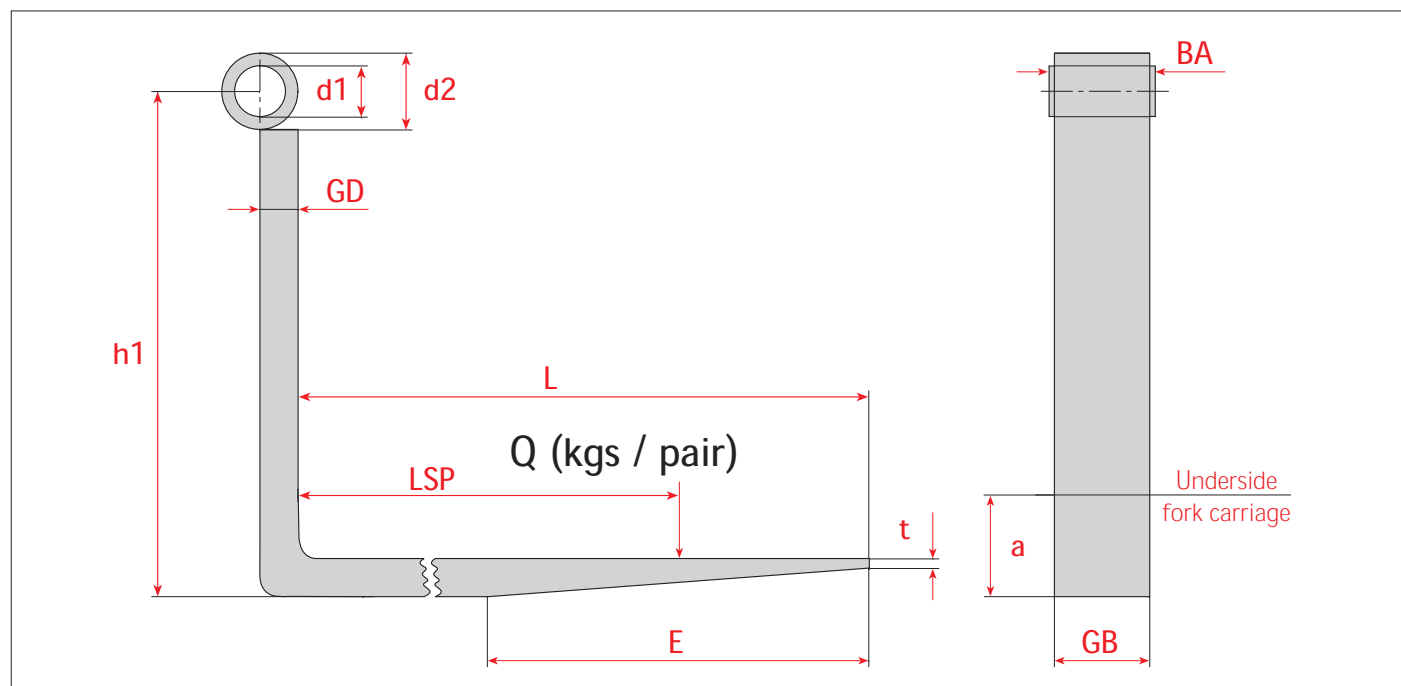
Date / sign _____

Pin type (shaft mounted) QualityForks

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

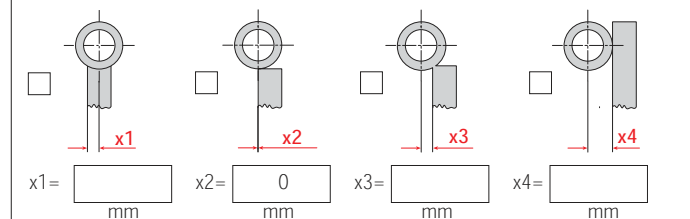
Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____



"Must" Data

Quantity: _____
 Cross section: _____ mm x _____ mm
Width (GB) Thickness (GD)
 Blade length (L): _____ mm
 Capacity / pair: _____ kgs
 Load center distance: _____ mm

Suspension version (Please tick only **one** version):



"Must" Data

Width of eye (BA): _____ mm
 Backheight to middle of eye (h1): _____ mm
 Drop clearance (a): _____ mm
 Inside diameter of eye (d1): _____ mm
 Outside diameter of eye (d2): _____ mm

Price per piece: _____ €
 Delivery date: _____ week

"Optional" Data (fill in only if deviations from the standard)

Taper length (E): _____ mm
 Tip thickness (t): _____ mm

Additional Data

Brand of lift truck: _____
 Lift truck type: _____

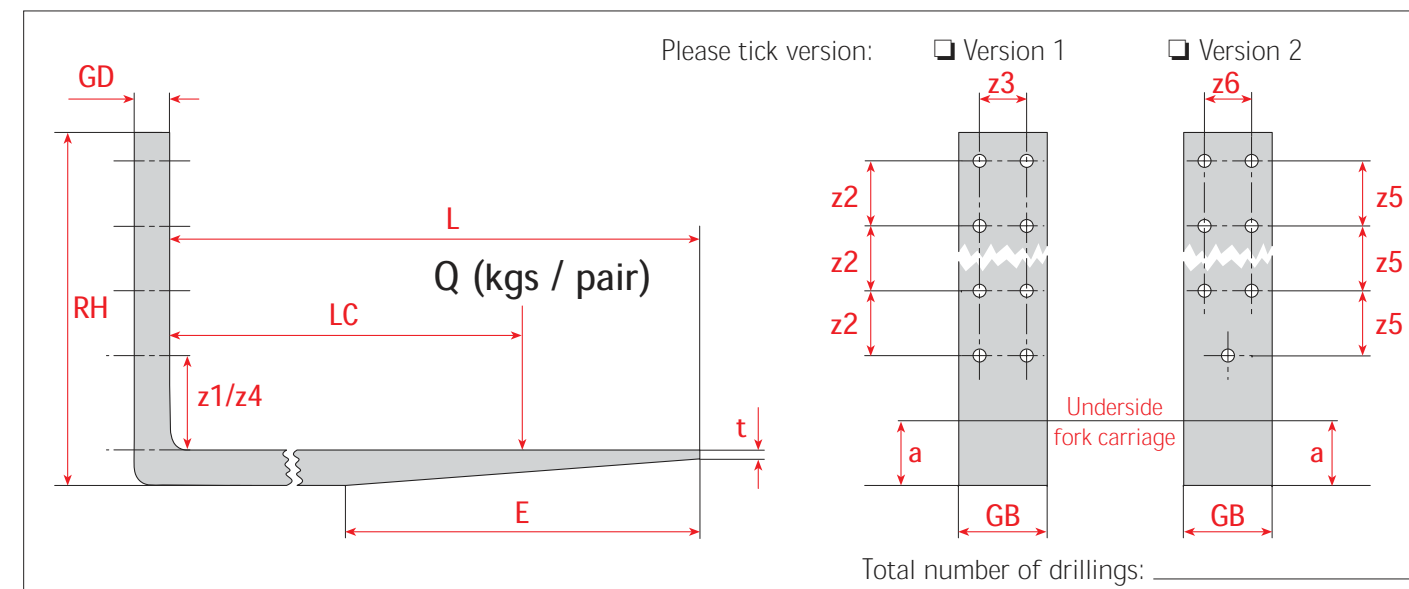
Date / sign _____

Bolt-on (screw fastenend) QualityForks

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

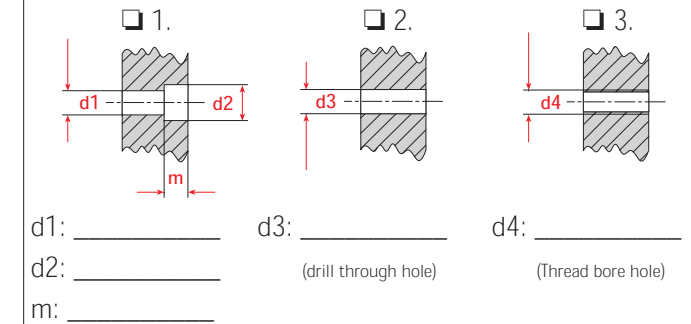
Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____



"Must" Data

Quantity: _____
 Cross section: _____ mm x _____ mm
Width (GB) Thickness (GD)
 Blade length (L): _____ mm
 Capacity / pair: _____ kg
 Load center distance: _____ mm

Please tick **one** version of drilling:



Date / sign _____

"Must" Data

Backheight (RH): _____ mm
 Drop clearance (a): _____ mm

Please tick version and fill in the data: Version 1 Version 2

z1: _____ mm z4: _____ mm
 z2: _____ mm z5: _____ mm
 z3: _____ mm z6: _____ mm

Price per piece _____ €
 Delivery date _____ week

"Optional" Data (fill in only if deviations from the standard)

Taper length (E): _____ mm
 Tip thickness (t): _____ mm

Additional Data

Brand of lift truck: _____
 Lift truck type: _____

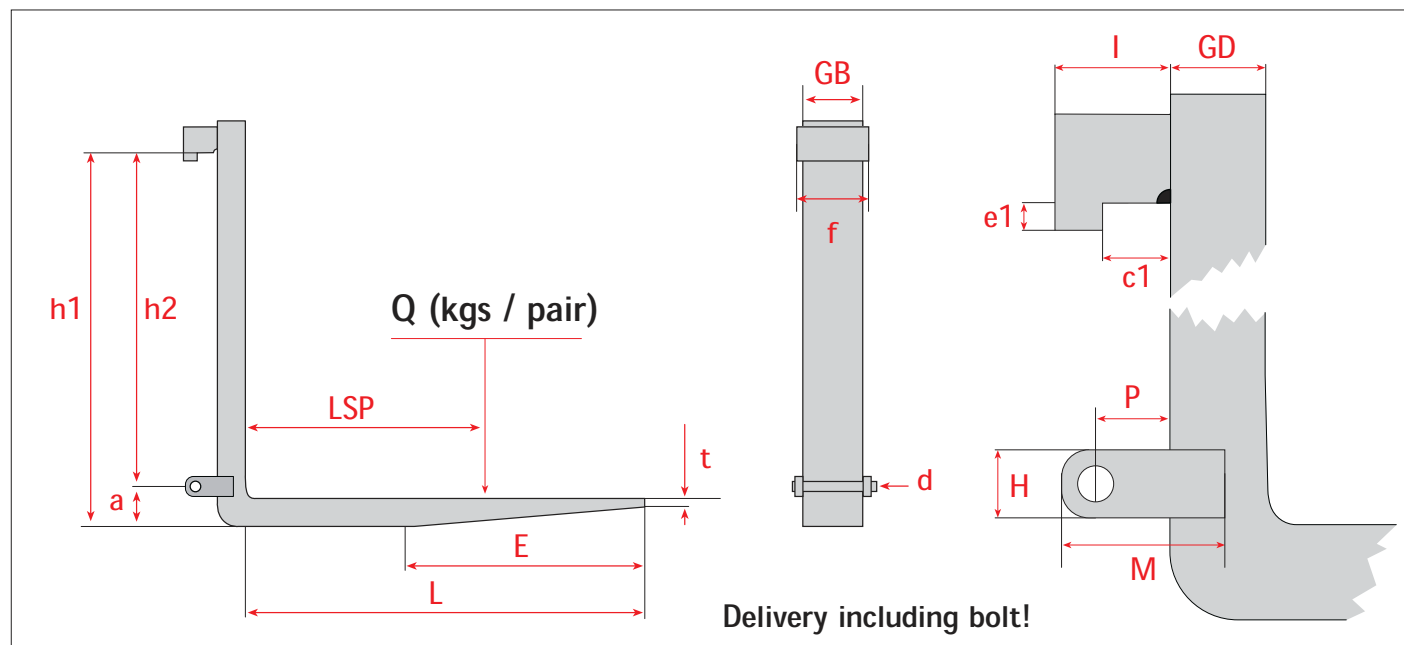
QualityForks

with TWS suspension

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender _____ **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____



"Must" Data	
Quantity:	_____
Cross-section:	_____ mm x _____ mm <small>Width (GB) Thickness (GD)</small>
Blade-length (L):	_____ mm
Capacity / Pair:	_____ kg
Load Center Distance:	_____ mm
Bracket measure (H):	_____ mm
(P):	_____ mm
(M):	_____ mm
Backheight to underside of upper hook (h1):	_____ mm
Distance between hooks (h2):	_____ mm
Hook thickness (I):	_____ mm
Alternative: upper hook ISO suspension (dimensions see page 2)	ISO _____
Price per piece:	_____ €
Delivery date:	_____ week

"Optional" Data (fill in only if deviations from the standard)	
Taper length (E):	_____ mm
Tip thickness (t):	_____ mm
Drop (clearing) (a):	_____ mm
Opening of hook (c1):	_____ mm
Bolt diameter (d):	_____ mm
(e1):	_____ mm
Hook thickness (f):	_____ mm

Additional Data	
Brand of lift truck:	_____
Lift truck type:	_____

Date / sign _____

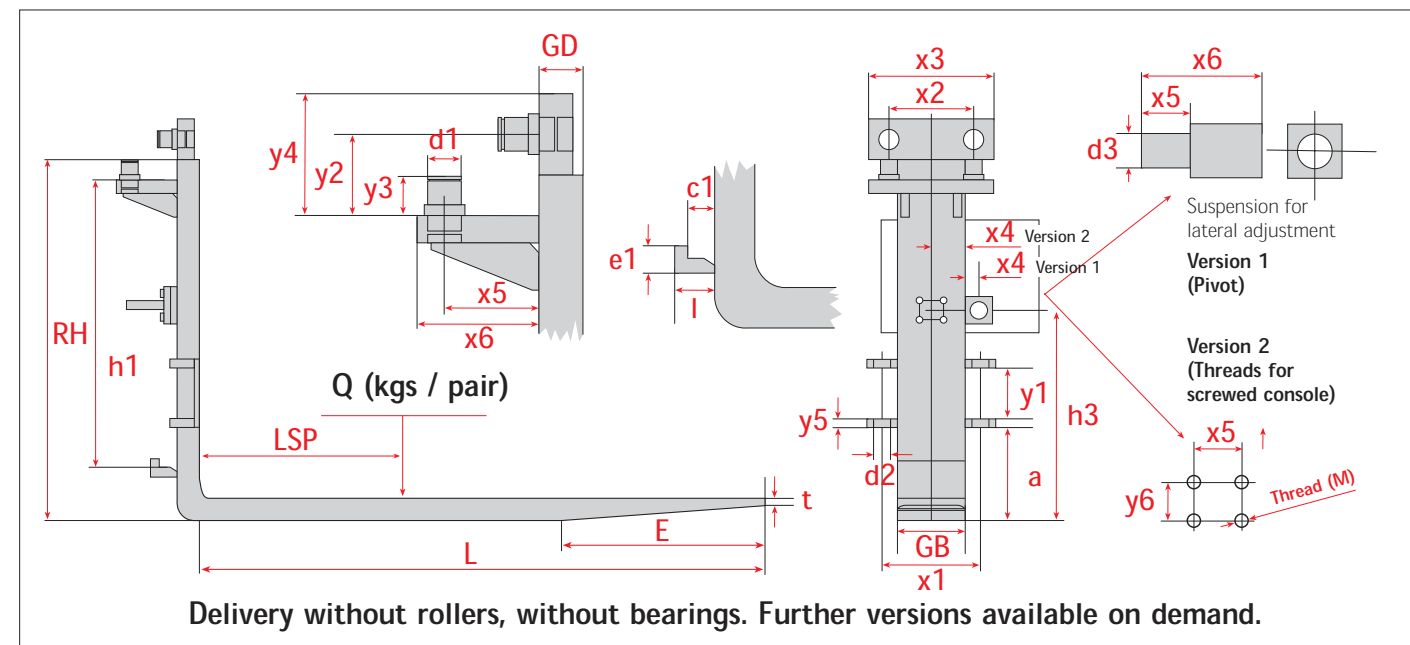
QualityForks

with Kalmar suspension

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender _____ **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____



"Must" Data	
<input type="checkbox"/> Right version	<input type="checkbox"/> Left version
<input type="checkbox"/> Version 1	<input type="checkbox"/> Version 2
Quantity:	_____
Cross-section:	_____ mm x _____ mm <small>Width (GB) Thickness (GD)</small>
Blade length (L):	_____ mm
Capacity / Pair:	_____ kg
Load Center Distance:	_____ mm
Total Backheight (RH):	_____ mm
(h1):	_____ mm
(h3):	_____ mm
Bolt diameter (d1):	_____ mm
Bore diameter (d2):	_____ mm
Pivot diameter (d3):	_____ mm
Price per piece:	_____ €
Delivery date:	_____ week

"Must" Data	
Taper length (E):	_____ mm
Tip thickness (t):	_____ mm
Drop (clearing) (a):	_____ mm
Opening of hook (c1):	_____ mm
(e1):	_____ mm
(I):	_____ mm
(x1):	_____ mm
(x2):	_____ mm
(x3):	_____ mm
(x4):	_____ mm
(x5):	_____ mm
(x6):	_____ mm
(y1):	_____ mm
(y2):	_____ mm
(y3):	_____ mm
(y4):	_____ mm
(y5):	_____ mm
(y6):	_____ mm
Thread (M):	_____ mm

Additional Data	
Brand of lift truck:	_____
Lift truck type:	_____

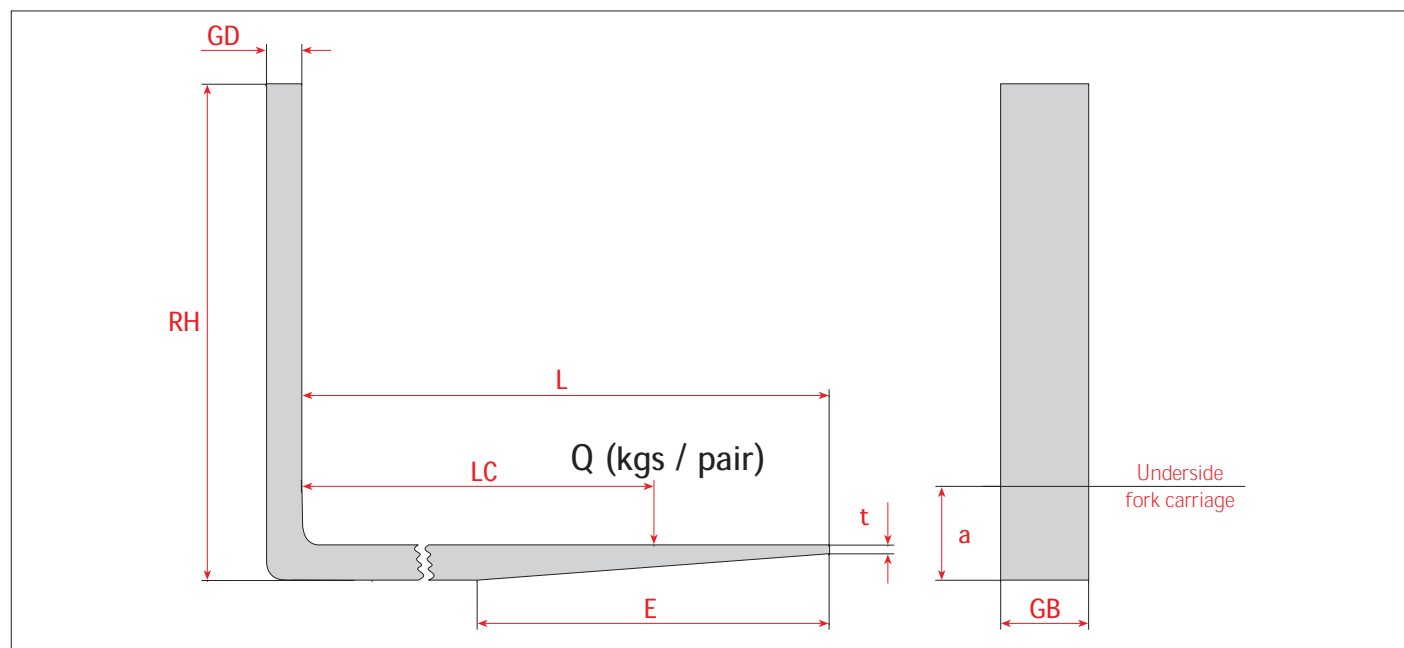
Date / sign _____

Blank QualityForks without suspension (blanks)

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____



"Must" Data	
Quantity:	_____
Cross section:	_____ mm x _____ mm <small>Width (GB) Thickness (GD)</small>
Blade length (L):	_____ mm
Capacity / pair:	_____ kg
Load center distance:	_____ mm
Backheight (RH):	_____ mm
Drop / clearance (a):	_____ mm
Price per piece	_____ €
Delivery date	week _____

"Optional" Data (fill in only if deviations from the standard)	
Taper length	(E): _____ mm
Tip thickness	(t): _____ mm

Additional Data
 Brand of lift truck: _____
 Lift truck type: _____

Date / sign _____

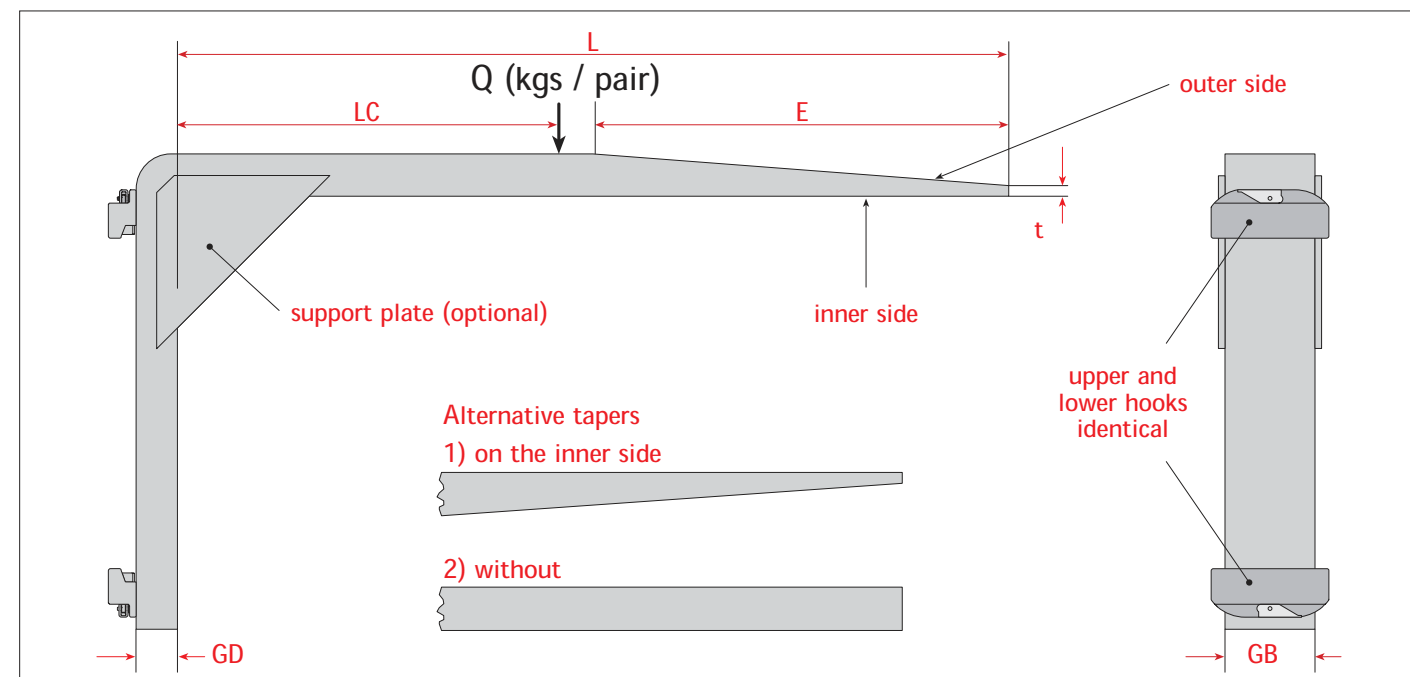
QualityForks for upside down suspension

(upside down forks)

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____



"Must" Data				
Quantity:	_____			
Cross section:	_____ mm x _____ mm <small>Breite (GB) Dicke (GD)</small>			
Blade length (L):	_____ mm			
Capacity / pair:	_____ kg			
Load center distance:	_____ mm			
Suspension	Please tick:			
<input type="checkbox"/> ISO 1A	<input type="checkbox"/> ISO 2A	<input type="checkbox"/> ISO 3A	<input type="checkbox"/> ISO 4A	<input type="checkbox"/> ISO 5A
<input type="checkbox"/> ISO 1B	<input type="checkbox"/> ISO 2B	<input type="checkbox"/> ISO 3B	<input type="checkbox"/> ISO 4B	<input type="checkbox"/> ISO 5B
<input type="checkbox"/> Special suspension (please attach drawing / inquiry form)				
<input type="checkbox"/> Fork will only be used as upside down fork				
<input type="checkbox"/> Fork will be used as upside down fork as well as "normal" fork				

"Must" Data	
Taper	Please tick:
	<input type="checkbox"/> at the outer side
	<input type="checkbox"/> at the inner side
	<input type="checkbox"/> without taper
Support plate:	<input type="checkbox"/> is possible
	<input type="checkbox"/> is not possible
Price per piece	_____ €
Delivery date	week _____

"Optional" Data (fill in only if deviations from the standard)	
Taper length	(E): _____ mm
Tip thickness	(t): _____ mm

Additional Data
 Brand of lift truck: _____
 Lift truck type: _____

Date / sign _____

QualityForkCladding



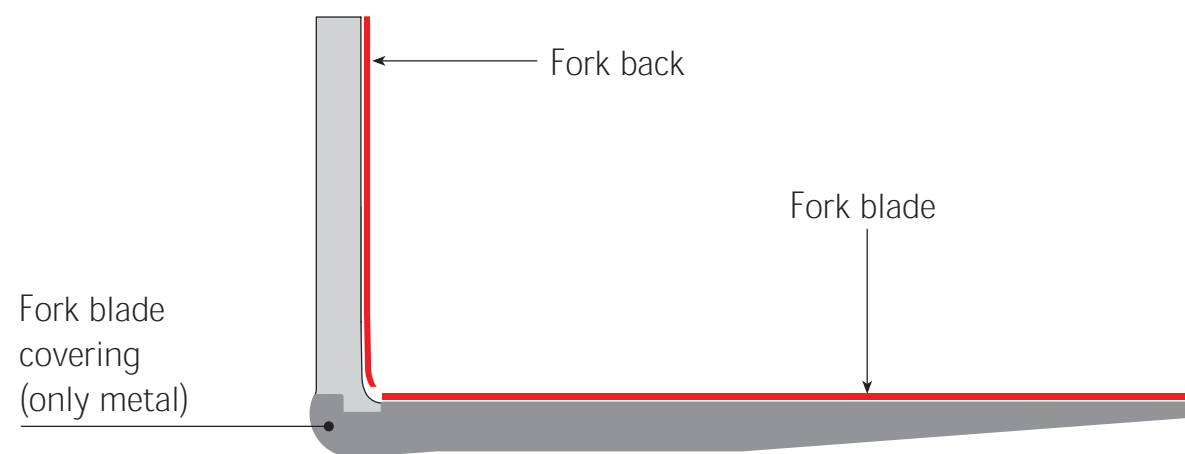
QualitätsGabelzinken · QualityForks

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____

Please indicate fork measures on the corresponding order- / inquiry form!



"Must" Data

Please tick:

Cladding of: Fork back
 Fork blade
 Fork blade covering (only meta see below)

Cladding material **GrippFix®**
 Polyurethane
 Stainless steel (1.4301)
 Brass (2.0321)
 DuplEx®

For more information, please see page 14.

Price per piece: _____ €
 Delivery date: _____ week

"Must" Data

Fork shoe Fork width: _____
 Fork length: _____

Material **GrippFix®**
 Polyurethane

Date / sign _____

QualityForkExtensions

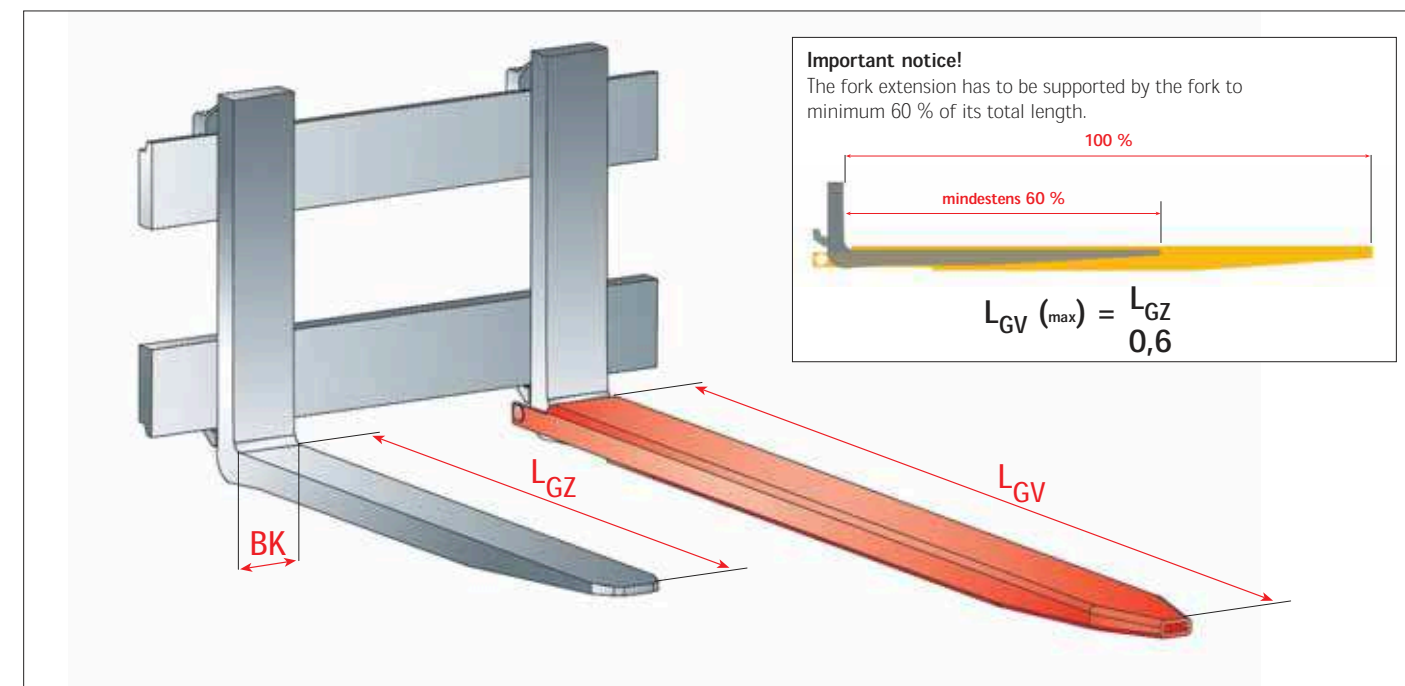


QualitätsGabelzinken · QualityForks

Order-No.: _____
 Enquiry-No.: _____
 Date: _____

Sender **Customer No.:** _____
 Company: _____
 Street: _____
 Zip / Town / Country: _____
 Phone No.: _____ Fax No.: _____
 Contact person: _____

Delivery address (if different from sender's address)
 Company: _____
 Name / dept.: _____
 Street: _____
 Zip / Town / Country: _____
 Add. Delivery note remarks: _____



"Must" Data

Total length of extension L_{GV} : _____ mm
 Length of fork (min. $0,6 \times L_{GV}$) L_{GZ} : _____ mm
 Cross section of fork (width x thickness) : _____ mm
 Width of fork in the heel section (BK) : _____ mm
 Capacity supporting fork : _____ kg
 Load Center distance supporting fork : _____ mm

Version of extension:

closed The underside of the fork extension is closed, The extension is suitable for heavier usage. The load is allowed to lie in the area which is not supported by the fork.

open The underside of the fork is open for light or medium usage, the load is only allowed to have its load center in the area of the supporting fork.

"Must" Data

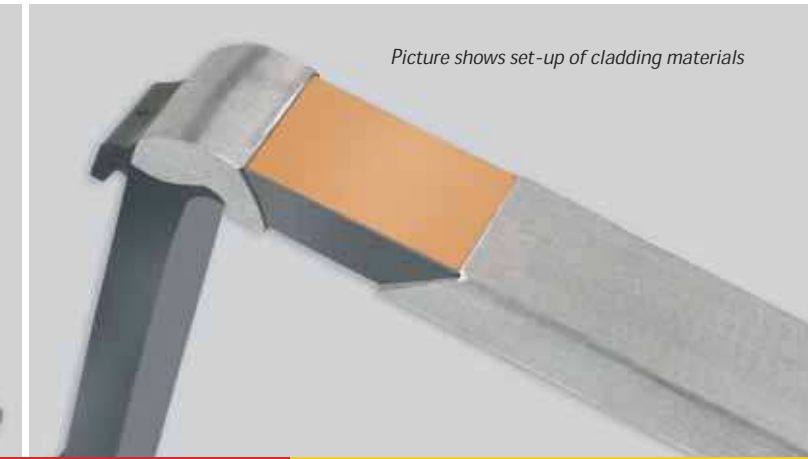
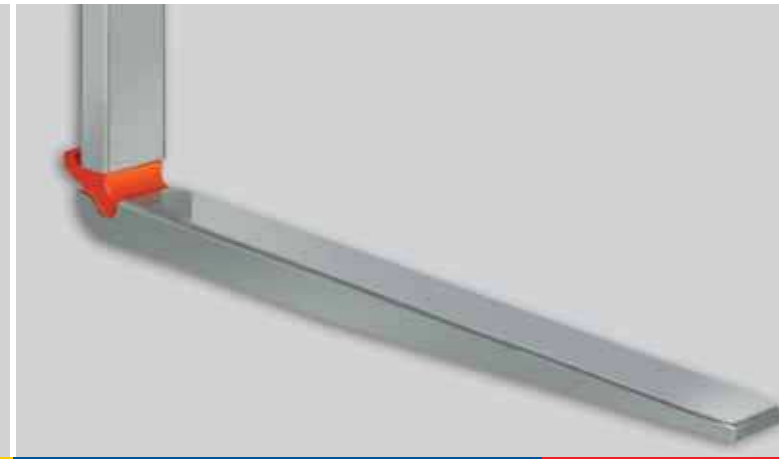
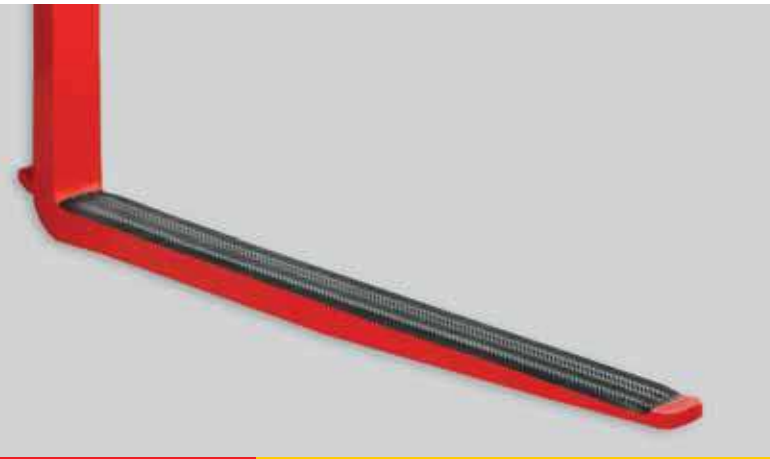
Price per piece _____ €
 Delivery date _____ week

Additional Data

Brand of lift truck: _____
 Lift truck type: _____

Date / sign _____

More grip for your forks!
QualityForkCladding made by VETTER



Why ForkCladding?

Fork **Cladding** is mainly used for the following applications:

- Transport of sensitive or high-value goods
- Palletless Loads
- Noise reduction
- Meeting hygiene regulations
- Transport in hazardous areas

GrippFix® and polyurethane cladding

Very often, delicate goods need to be transported directly on the forks e.g. painted steel parts, stainless steel or plastic products, furniture, flagstones etc.

When using standard forks, parts can easily become scratched or damaged.

GrippFix® or polyurethane cladding minimizes such damage. Both materials are extremely resistant to cutting or abrasion and furthermore prevent the goods from sliding off (**GrippFix**® even when it is wet!). Also noise from the transport of metal goods can be reduced.

You may choose between a fixed (bonded) cladding on the fork resp. fork extension and a removeable protective shoe.

Brass- or stainless steel cladding

According to the application, legal demands need to be fulfilled:

- Hygiene demands in the food and chemical industry
- Safety laws for transport in hazardous areas

For this, brass- or stainless steel cladding is the perfect solution. A fixed cladding of 4 mm is made on the fork blade or – if desired – on the whole fork.

Advantages:

- Simple cleaning
- Safety against dirt and bacteria
- Spark proof when contacting the load or the ground

Thus, safety risks can be avoided efficiently.



A further option for high safety is **DuplEx**®-Cladding, using 2 different materials:

- An outer material as well as
- A different coloured inner material at the underside of the fork

Wear mainly occurs underneath the forks. As soon as the cladding is reduced to the minimum 1 mm thick, the fork needs to be replaced and the cladding renewed (EN 1755).

Wear indication at a glance

Previously, wear could not be determined visibly. Regular, daily measuring is time consuming and requires special measuring tools and knowledge. This is the significant advantage of the **DuplEx**®-Cladding. As soon as the outer cladding is worn away, the inner cladding becomes visible. By using materials of different colours (e.g. brass / stainless steel), wear can be determined immediately. A real plus for safety and convenience.



VETTER is the reliable and fair manufacturing partner
of the international lift truck, construction and agricultural industry!

Based on this philosophy, VETTER Umformtechnik GmbH is recognised as one of the leading manufacturers of QualityForks today. This success is based on a constant commitment to quality, permanent investment in human resources and technology as well as the high personal goals within the family company.

Traditional values together with innovative processes lead to high competence in solving solutions as well as a successful future.

VETTER has been certified according to ISO 9001 since 1992.

Intensive efforts in environmental protection are accompanied with the environmental management system according to ISO 14001.

VETTER Umformtechnik GmbH

Carl-Benz-Strasse 45
57299 Burbach / Germany
Telefon: +49 2736 4961-0
Telefax: +49 2736 4961-17

info@vetter-forks.com
www.vetter-forks.com