Interlift Crane Fork Operating Instructions

The Interlift Crane Fork complies with EC-Machinery Directive 98/37/EC.

Type	**1.0 ton**	**1.5 ton**	**2.0 ton**	**3.0 ton**	**5.0 ton**
loading capacity	1000 kg	1500 kg	2000 kg	3000 kg	5000 kg
weight	140 kg	165 kg	220 kg	280 kg	380 kg
tine length	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm
adjustable range	350 - 900mm	350 - 900 mm	400 - 900 mm	450 - 900 mm	500 - 1000 mm
useable height	1420-1920 mm	1650-2350 mm	1655-2355 mm	1720-2420 mm	1710-2410 mm
loading height	1100-1600 mm	1300-2000 mm	1300-2000 mm	1300-2000 mm	1300-2000 mm
tines (w x h)	100 x 30 mm	100 x 40 mm	120 x 40 mm	120 x 50 mm	150 x 60 mm

These Operating Instructions are also applicable for crane forks in special design.

These crane forks are designed for the transport of palletised goods and commodities, which on account of their dimensions - can be safely placed on the tines.

Crane forks may only be attached to lifting appliances (cranes, fork trucks etc.) that are provided with safety hooks.

When using crane forks, the operator has to make sure that the rated capacity (W.L.L.) is not exceeded. The rated capacity applies to a distance of 500 mm between the load's centre of gravity and the stems (half tine length).

The tines have to be adjusted to the width as required by the size of the load and secured by the locking mechanisms.

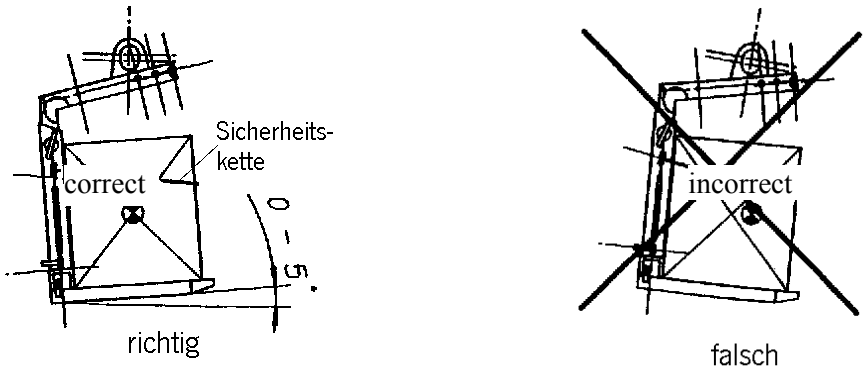
The useable height of the crane forks can be adjusted to the height of the load within the indicated limits. For this purpose remove the plug-in bolt from the carrying tube and adjust the internal tube to the required useable height. Now replace the plug-in bolt and secure.

With the unloaded crane fork attached to the lifting appliance, the tines have a slight inclination of approx. 3^{O}. This adds to the better entry of the tines into the pallet or under the load. When lifting the load, the suspension eye will automatically move on the upper carrying tube until seated. Two positions for the stop bolt make possible two stop positions of 400 and 500 mm respectively from the carrying tube. Switching over these positions serves to correct the tine settings with respect to the centre of gravity of the load carried.

The automatic balancing system requires a minimum load of 20% of the crane fork's rated capacity

When loaded below 20% of the rated capacity, the suspension eye will not adjust to the load centre – the tines will tilt downwards.

Safety chain



The tines may not be tipped forward when the loaded crane forks are raised.

Outside the immediate area of the floor the load must be secured with a safety chain.

Eyebolts have been installed on the vertical carrying tube for securing the chain.

Inspections, precautionary measures and restrictions in the field of applications

Before initial operation, qualified personnel must inspect the crane forks, and any defects must be remedied. The regular inspections must be conducted in accordance with Sec. 39, 40 and 41 of the regulation for the prevention of accidents. (Unfallverhütungsvorschrift Lastaufnahmeeinrichtungen im Hebezeugbetrieb VBG 9a).

In order to prevent overloading, the weight of the lifted goods must be determined before the stop is reached and compared with the rated capacity specified on the rating plate.

The lifted goods may not extend beyond the clearance height of the crane forks and the length of the tines.

During transport, severe oscillations and impact with obstacles must be avoided.

The crane forks may transport those goods, which are firmly lashed to the pallets or those commodities whose form and size permit the direct engagement of the tines.

Persons are forbidden from entering the area beneath the lifted load and the danger zone.

Maintenance

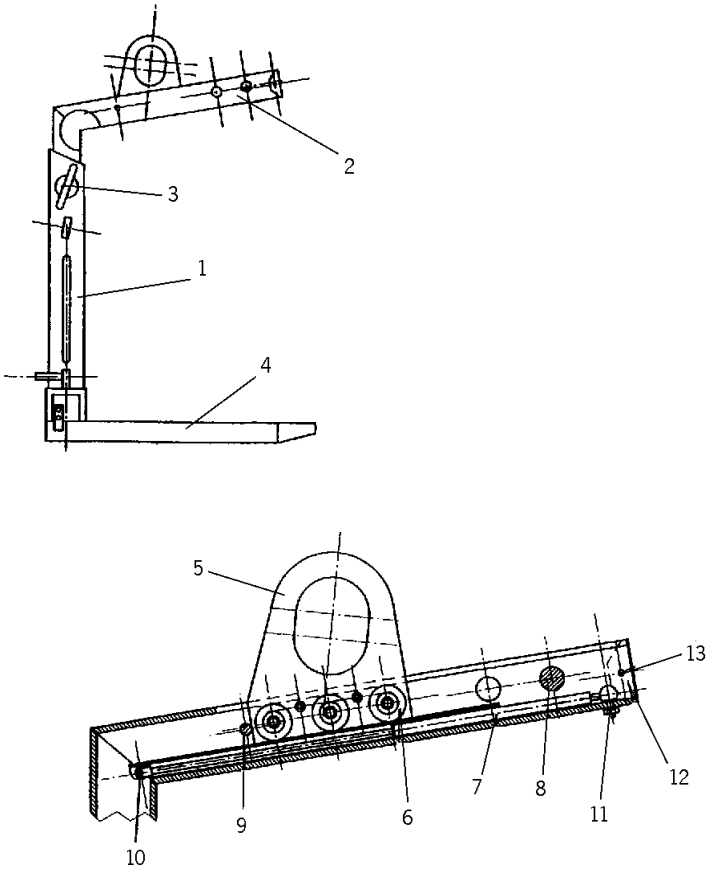
Damage to paint must be repaired to prevent corrosion. The fork tines must be clean of dirt, oil, grease, and, for outdoor operations, ice.

Repairs to damaged crane forks and the final inspections are to be performed preferably by the manufacturer. In the event of emergencies, however, there are spare parts available for installation by the customer.

Only competent personnel may perform repairs.

Applying to the operation and maintenance are the regulations for the prevention of accidents *Lastaufnahmemittel im Hebezeugbetrieb (load carrying devices in hoisting gear operations VBG 9a in wording of 1 October, 1990.*

SPARE PARTS



1. Base frame – lower part
2. Base frame – upper part
3. Socket pin with locking device
4. Tines
5. Suspension lug
6. Roller
7. Gas pressure spring
8. Stop bolt with tilting split-pin
9. Setting bolt with tilting split-pin
10. Bolt with safety ring
11. Hex nut with split washer
12. Cover
13. Hex bolt with split washer

To be quoted for spare parts orders please supply type, manufacturing year, and part designation.