

PFEIFER WK Quicklift

Item No. 05.184

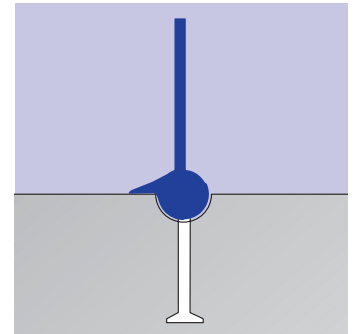
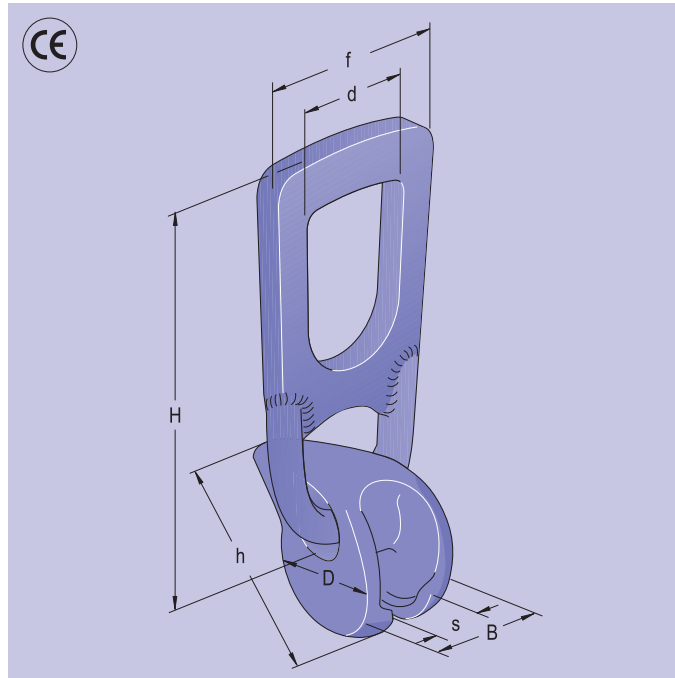


PFEIFER

WK System
Lifting device

The PFEIFER WK Quicklift enables the anchors in the WK System to be attached quickly. This makes the transportation and mounting of precast concrete parts easy. The WK Quicklift grasps the head of the WK Anchor by means of a slot on the suspension ball of the cast body. Due to the construction of the suspension link and its flexibility to move in all directions, both straight pull as well as parallel and transversal shear pull is possible.

Construction material:
Tempered cast steel, tempered round steel, coated



Ref.-No.	Load bearing capacity t	adm. F* kN	for Anchors in the WK System			Dimensions in mm						Weight kg/piece	
			with load bearing capacity t	with head \varnothing mm	with shaft \varnothing mm	D	H	h	B	s	d		f
05.184.013.3	1,3	13	1,3	18	10	54,0	162,0	74,0	33,0	11,5	46,0	74,0	0,99
05.184.025.3	2,5	25	2/2,5	25/26	14	63,0	194,0	89,0	42,0	16,0	58,0	88,0	1,41
05.184.050.3	5,0	50	4/5	36	20	82,0	236,0	112,0	60,0	21,5	70,0	118,0	3,22
05.184.100.3	10,0	100	6,3 bis 10	46/47	24/25/28	105,0	339,0	155,0	76,0	29,0	84,0	160,0	8,92
05.184.200.3	20,0	200	12,5 bis 20	69/70	34/36/39/40	153,0	441,0	231,0	115,0	41,0	118,0	186,0	22,00

(Annotation: 10 kN = 10 Kilonewton \approx weight of a mass of 1 t)

Sample order for 5 PFEIFER WK Quicklifts with 2.5t load bearing capacity:
5 PFEIFER WK Quicklifts Ref.-No. 05.184.025.5



Warning:

If the Quicklift is used incorrectly through forces perpendicular to the slot in the suspension ball (transversal shear pull in the wrong direction) there is the danger that it will slip out.

Instructions for use

WK Quicklift

1. General

The PFEIFER WK Quicklift is designed as a lifting device for the PFEIFER WK System. It grasps the head of the PFEIFER WK System anchor in the hollow in the concrete which is created by the PFEIFER WK Moulding Insert (Figure 25). The grasping claw is made of robust, tempered cast steel and the suspension link out of high-performance chain steel. The WK Quicklift adheres to the specifications of the "Safety Regulations for Lifting Anchors and Lifting Anchor Systems for Precast Concrete Units" BGR 106, the BGR 500 "Lifting machines with suspended loads" as well as the EC machinery directive.

2. Instruction details

In order to attach the Quicklift, the cast head is placed with the opening turned downwards onto the head of the anchor (figure 25). After being placed onto the anchor and after pulling on the suspension link (figure 26), the casted head is turned in order to ensure that the WK Anchor head is held securely in place in the slot of the suspension ball. If there is any parallel shear pull or transversal shear pull, the WK Quicklift has to be turned into the direction of force so that the pressure tongue rests on the concrete (figure 27).

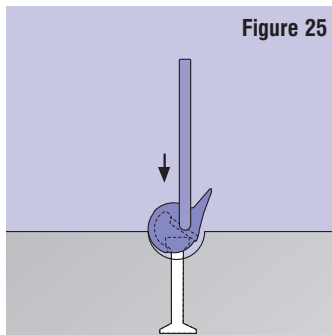


Figure 25

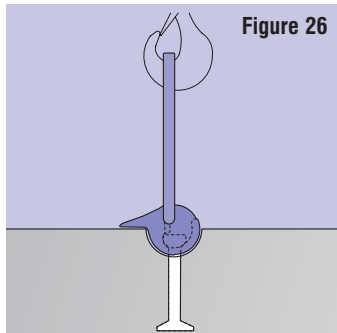


Figure 26

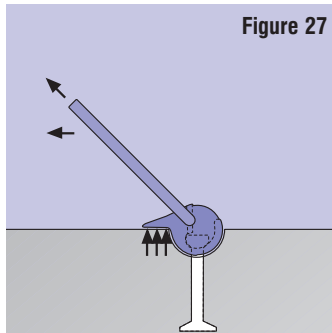


Figure 27

The PFEIFER WK Quicklift can be used for straight pull (figure 26) as well as for parallel and transversal shear pull (figure 27). The admissible forces of the WK Anchor for the individual load cases are to be observed! The anchor can only accept forces pointing in the same direction as the slot of the suspension ball, otherwise the anchor head can bend. Turning the WK Quicklift around the head of the anchor allows it to bear stresses from all directions.



Warning

In the event of transversal shear pull the pressure tongue, as shown in figure 28, should lie in the direction of pull, otherwise the Quicklift, as shown in figure 29, can come loose from the anchor.

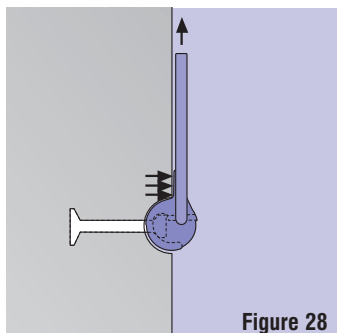


Figure 28

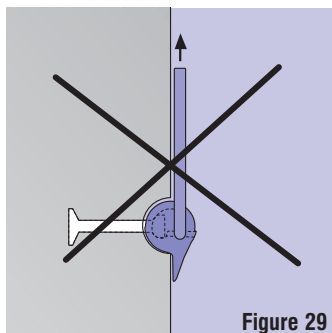


Figure 29



Please note:

Here you will find only item-specific information. Please also consult the "General technical introduction to PFEIFER Lifting Anchor Systems" and the "General installation guidelines for the PFEIFER WK System".

The PFEIFER Quicklift is an integral component of the WK System and meets the "Safety Regulations for Lifting Anchors and Lifting Systems for Precast Concrete Parts" and the EC Machinery directive.

3. Identification marking

The identification markings comply with the "Safety Regulations for Lifting Anchors and Lifting Anchor Systems for Precast Concrete Parts" BGR 106, of the BG (employer's liability) rules and regulations:

Manufacturer	PFEIFER
Type	WK
Load bearing capacity	e.g. 2.5 t
Year of manufacture	e.g. 04
Factory/batch no.	e.g. 12345
CE Mark	

4. Wear and tear and monitoring of usage

The PFEIFER WK Quicklift, in its capacity as a lifting device, is to be tested by a qualified person before first operation and then at least once a year, in accordance with BGR 500, paragraph 2.8. A thorough inspection with regard to wear and tear must also be carried out after unscheduled stress (e.g. if the object has fallen from a great height, in the event of exposure to fire, after great excesses of stress, etc.) These inspections can also be carried out by the mobile PFEIFER Inspection Service, which can at the same time check all lifting and attachment devices in use in your factory.

The WK Quicklift must be cleaned prior to being inspected. It will be inspected for marked wear and tear, damage and external flaws such as cracks as well as, if present, for wear and tear in the chain links. Marked wear and tear can be seen, for example, in widening throat openings or wear and tear in excess of the nominal size of more than 1 mm for WK 1.3/2.5 t and 2 mm for WK 5/10/20 t. Damage can mean cracks, bending and deformation of the cast steel element or of the suspension link. Such damage requires that the WK Quicklift is to be disposed of immediately, as is also the case in the event of exposure to temperatures over 250°C. The suspension link will be tested after the chains have been checked according to the appropriate criteria.



Warning

Welding on the WK Quicklift is not allowed!



Our qualified staff are happy to carry out the legally required yearly inspections in your company using the specially equipped inspection service van.