

PFEIFER WK Moulding Insert

Item No. 05.181



PFEIFER

WK System
Accessories

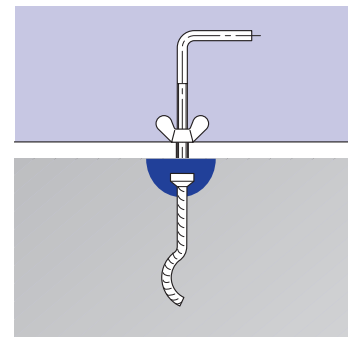
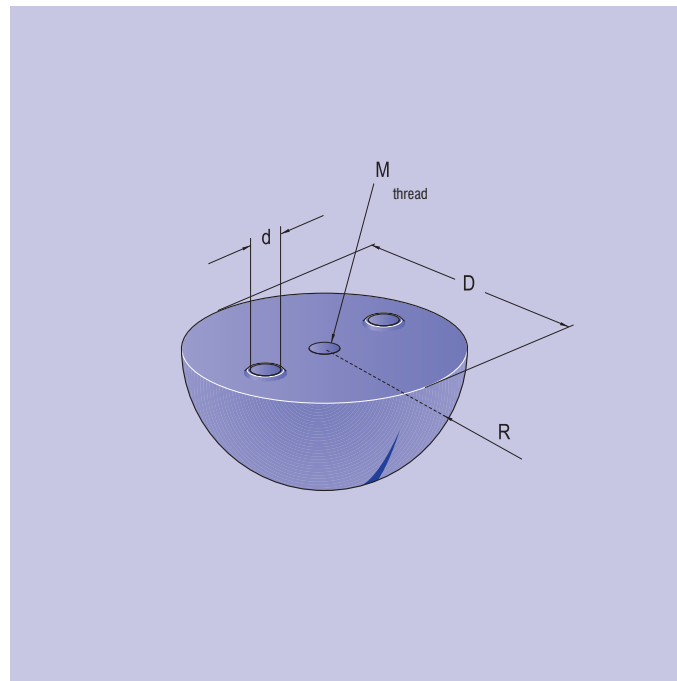
Using the WK Moulding Insert ensures that the WK Anchor is securely and reliably fastened to the formwork. After stripping the forms, the insert is removed thus leaving the correctly sized hollow in the concrete, into which the WK Quicklift sits in order to gain a hold on the WK Anchor head. There is an exchangeable metal plate with metric screw thread in the WK Moulding Insert enabling it to be fastened to the formwork. The ent-

rance of concrete slurry is avoided by means of multiple sealing lips.

Construction material:

Rubber
Retaining plate

The threaded plate or alternatively the threaded stud is included in the delivery.



Ref.-No. with threaded plate	Ref.-No. with threaded stud	for anchor with load bearing capacity t	Thread	Dimensions in mm			Weight approx. kg/piece
				R	D	d	
05.181.013	05.191.013	1,3	M 8	30	60	7	0,11
05.181.025	05.191.025	2/2,5	M 10	37	74	7	0,15
05.181.040	05.191.040	4/5	M 10	47	94	11	0,30
05.181.063	05.191.063	6,3/7,5	M 10	59	118	11	0,51
05.181.100	05.191.100	8/10	M 10	59	118	11	0,50
05.181.125	05.191.125	12,5	M 10	80	165	11	1,20
05.181.150	05.191.150	15,0	M 10	80	165	11	1,20
05.181.200	05.191.200	20,0	M 10	80	165	11	1,20

Sample order for

50 PFEIFER WK Moulding Inserts with threaded plate for WK Anchor 4 t:

50 PFEIFER WK Moulding Inserts Ref.-No. 05.181.040



Warning:

Under certain unfavourable conditions, for example storage of the mould in formwork oil, changes in the size of the mould can occur. It is therefore necessary to check the diameter of the mould prior to use. Discrepancies in the dimensions of more than 5% require that the WK Moulding Insert is discarded.

General installation guidelines

WK Moulding Insert

1. Application

The WK Moulding Insert serves to fix the WK Anchor to the formwork. The moulding insert creates a hollow in the concrete which enables the WK Quicklift to be attached to the WK Anchor. The WK Moulding Insert is bent open and placed around the head of the WK Anchor. Where the WK Anchor is enclosed in the WK Moulding Insert there are several rows of soft sealing lips (figure 30), which close around the shaft of the WK Anchor. There is also an all-round sealing lip along the opening on the bottom of the moulding insert. This ensures that no concrete slurry can enter. On the inside there is a thick, threaded, metal plate, so that the WK Moulding Insert, with the WK Anchor inside it, can be securely attached to the formwork with a hexagon bolt M10 (or M8 for WK 1.3 t) or the PFEIFER Fixing Screw, ref. no. 05.206.103 (05.206.083). The threaded plate (Figure 30) is held fast in the WK Moulding Insert and can not fall out or get lost even if it is handled carelessly. The mould is however so designed that removal or replacement of the plate is possible at any time.



Figure 30

2. Installation of the formwork

Drill a hole, 11 mm in diameter, into the centre-line of the planned position of the WK Anchor (Figure 31). Pull apart the rubber formwork at the parting line and place it onto the WK Anchor, so that it fits into the recess in the rubber. The WK Anchor should also be fixed to existing reinforcement in order to prevent it from moving sideways. In order to fix the WK Moulding Insert with the inserted WK Anchor to the formwork, use PFEIFER Fixing Screw 05.206.083 for WK 1.3 t and for all other load bearing capacities use Ref.-No. 05.206.103. Screw the fixing screws into the WK Moulding Insert's threaded plate. If using the WK Moulding Insert with threaded stud the threaded stud has to be pushed through the drilled hole in the formwork and tightened with the provided wing nut. By tightening the wing nut the WK Moulding Insert is pressed against the formwork and the sealing lips close so that no concrete slurry can enter the hollow.

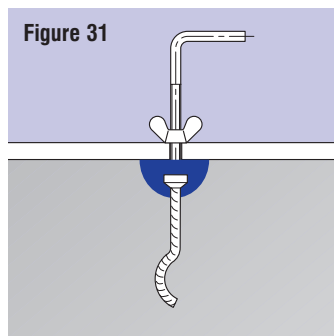


Figure 31

3. Formwork stripping

After stripping the formwork the WK Moulding Insert can be lifted out of the concrete with the help of two reinforcement bars (figure 32) and after that it can immediately be reused.

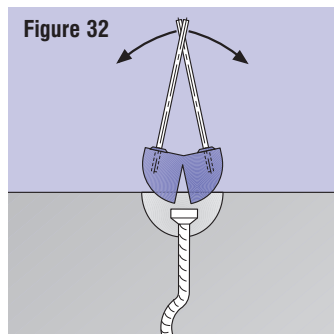


Figure 32

4. Alternative designs

Alternatively the WK Moulding Insert can be provided with a zinc-plated threaded plate with inside thread (figure 30) or with a zinc-plated threaded stud (figure 33). The threaded stud is welded onto a holding plate with a suitable wing nut being provided. So the WK Moulding Insert can be screwed with a nut onto formworks of different thicknesses.

Please pay attention to the different reference numbers for the alternative designs!



Figure 33

5. Accessories

The threaded plate and the threaded stud with the holding plate welded on are available individually.

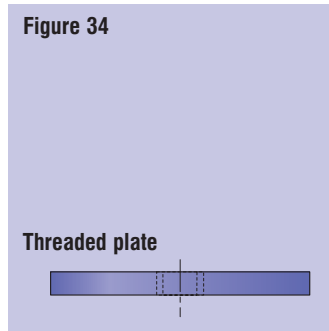


Figure 34

Threaded plate

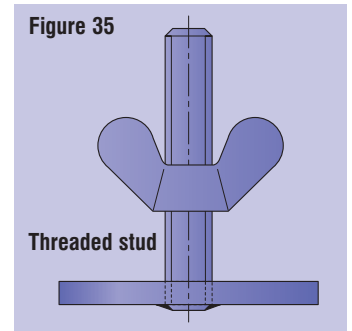


Figure 35

Threaded stud

Ref.-No. Threaded plate	Ref.-No. Threaded stud	Thread	for WK System with Load bearing capacity t
05.181.013.003	05.191.013.003	M 8	1,3
05.181.025.003	05.191.025.003	M 10	2,0/2,5
05.181.100.003	05.191.100.003	M 10	4,0 – 10,0
05.181.200.003	05.191.200.003	M 10	12,5 – 20,0

If using the WK Moulding Insert with threaded stud the threaded stud has to be pushed through the drilled hole in the formwork and tightened with the provided wing nut.