

Accessories for the Spherical head transport anchor system



Application Instruction

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SERVICES

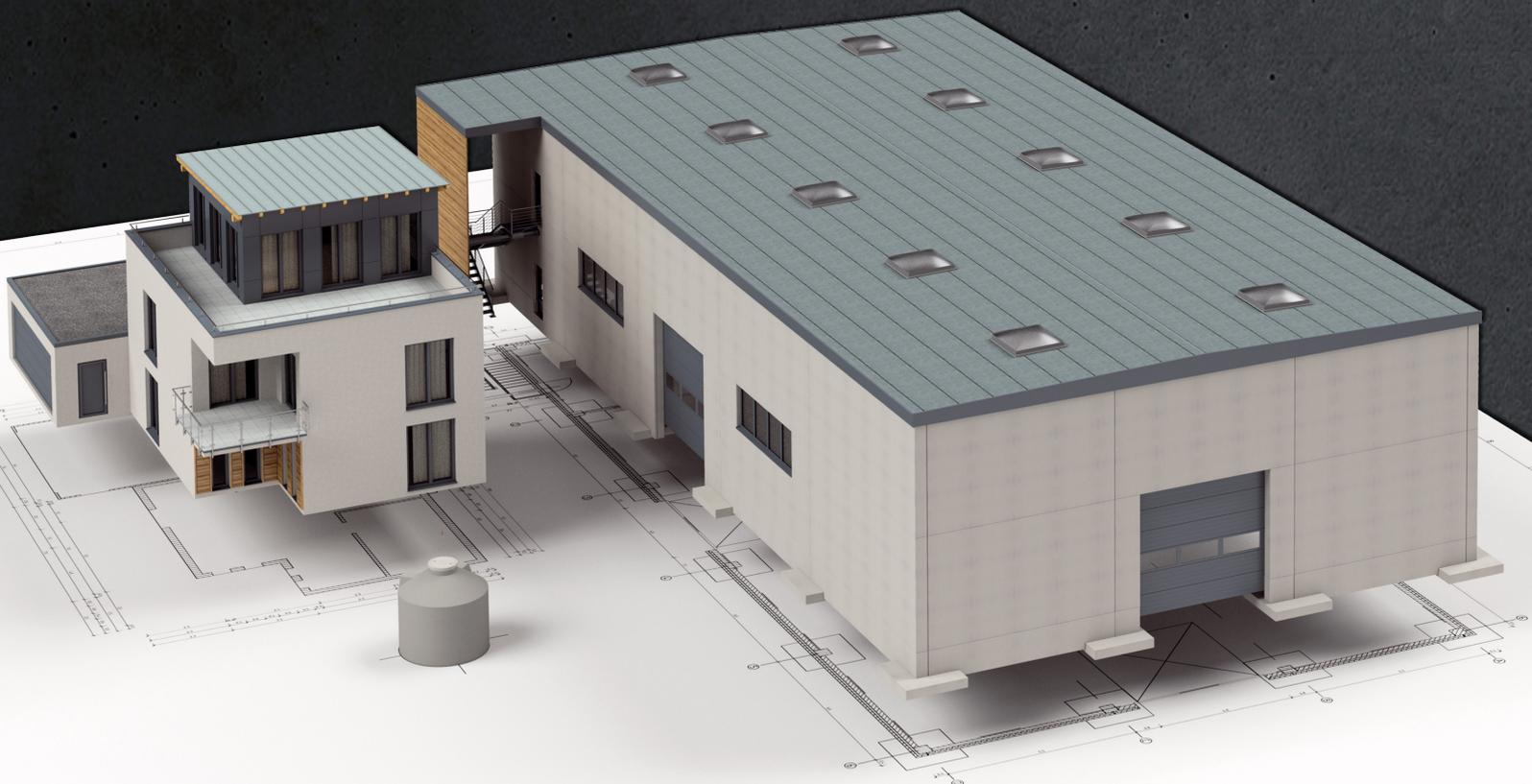
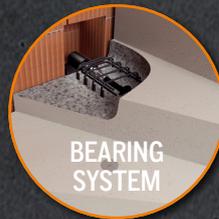
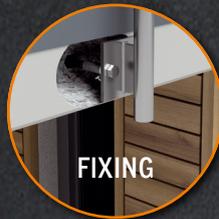
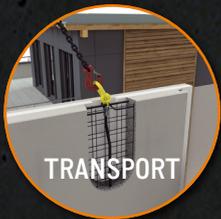
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- » Test reports -> for your safety and documentation.
- » Trainings -> the knowledge of your employees from planning and production is enhanced by our experts on site, online or via webinar.
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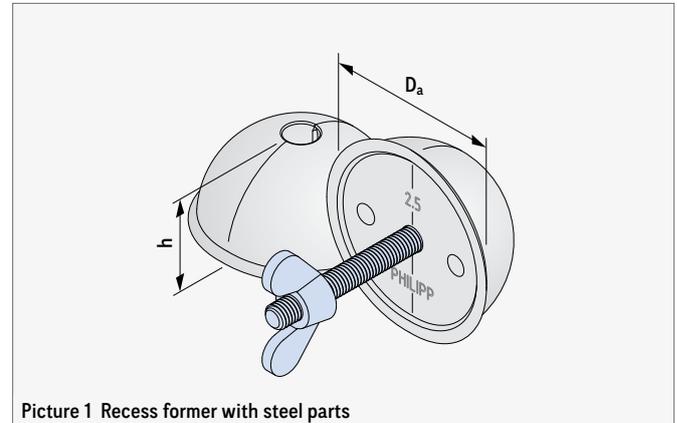
RUBBER RECESS FORMER

In order to couple the Spherical head lifting clutch easily and safely the Spherical head anchor shall be installed with the corresponding recess former.

These recess formers can be supplied in a rubber, steel or magnetic version.

TABLE 1: RUBBER RECESS FORMER (WITH STEEL PARTS)

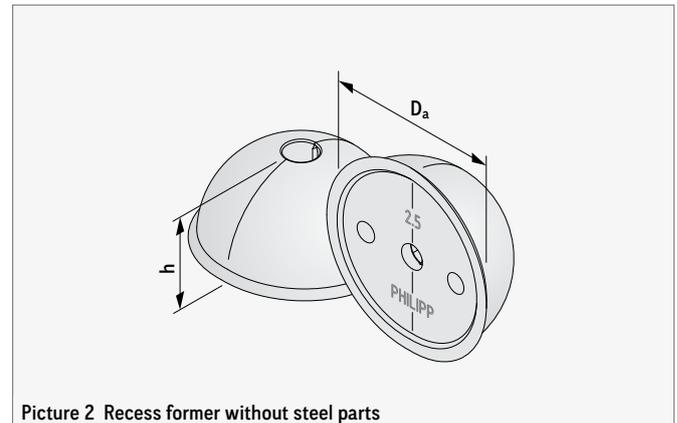
Ref. no.	Type	D _a (mm)	h (mm)	Colours
83-AKK-013	KK 1.3	60	30	● blue
83-AKK-025	KK 2.5	74	37	● yellow
83-AKK-050	KK 5.0	94	47	● blue
83-AKK-075	KK 7.5	118	59	● red
83-AKK-100	KK 10.0	118	59	● yellow
83-AKK-150	KK 15.0	160	80	● grey
83-AKK-200	KK 20.0	160	80	● grey
83-AKK-320	KK 32.0	214	107	● black



Picture 1 Recess former with steel parts

TABLE 2: RUBBER RECESS FORMER (WITHOUT STEEL PARTS)

Ref. no.	Type	D _a (mm)	h (mm)	Colours
83-AKK-013	KK 1.3	60	30	● blue
83-AKK-025	KK 2.5	74	37	● yellow
83-AKK-050	KK 5.0	94	47	● blue
83-AKK-075	KK 7.5	118	59	● red
83-AKK-100	KK 10.0	118	59	● yellow
83-AKK-150	KK 15.0	160	80	● grey
83-AKK-200	KK 20.0	160	80	● grey
83-AKK-320	KK 32.0 / 45.0	214	107	● black



Picture 2 Recess former without steel parts

ACCESSORIES FOR RUBBER RECESS FORMER

To fix a rubber recess former to the formwork, either an accessory with a finished threaded rod and wing nut or an internal thread for individually screwing in a fixing element is available. This ensures that the recess former can be easily loosened and reused.

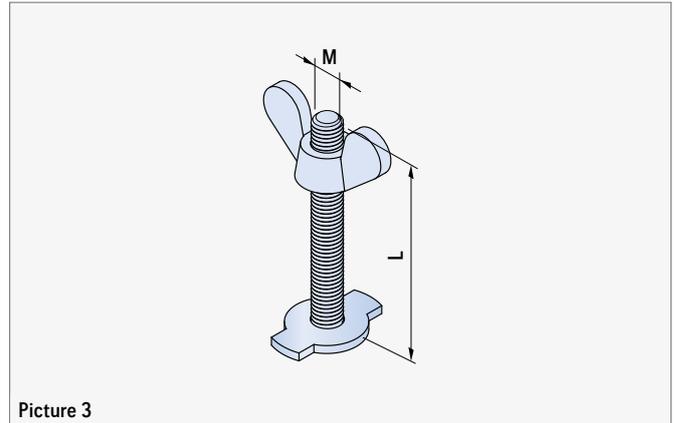
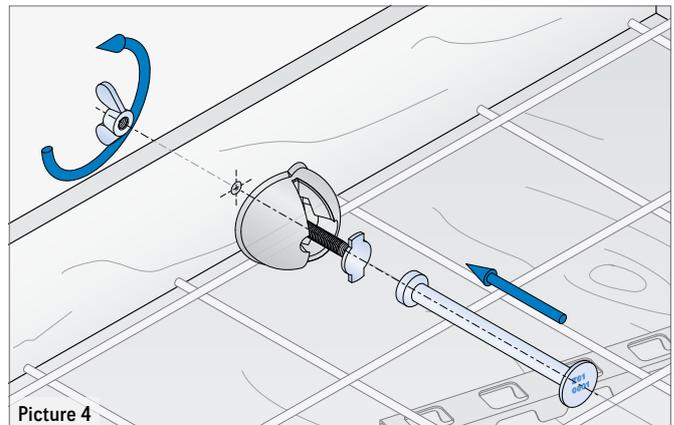


TABLE 3: STAMPED PART WITH THREADED ROD

Ref. no.	Type	M (mm)	L (mm)
83-SGS-013	KK 1.3	8	80
83-SGS-025	KK 2.5	10	80
83-SGS-050	KK 4.0 / 5.0	10	80
83-SGS-075	KK 7.5 / 10.0	12	100
83-SGS-200	KK 15.0 / 20.0	12	100
83-SGS-320	KK 32.0	16	100



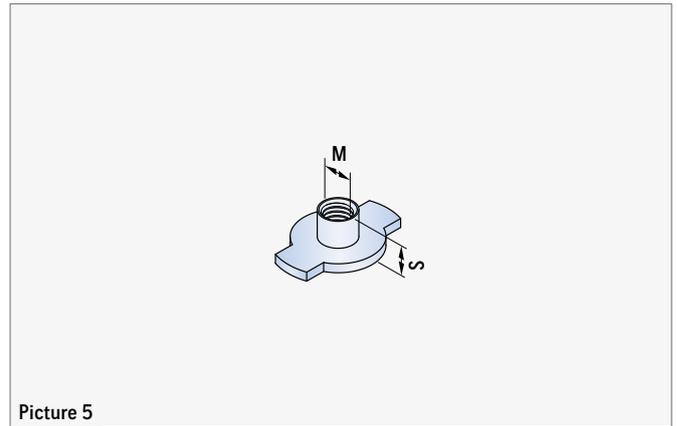
REMOVING THE RECESS FORMER

See next page, picture 7a and 7b.

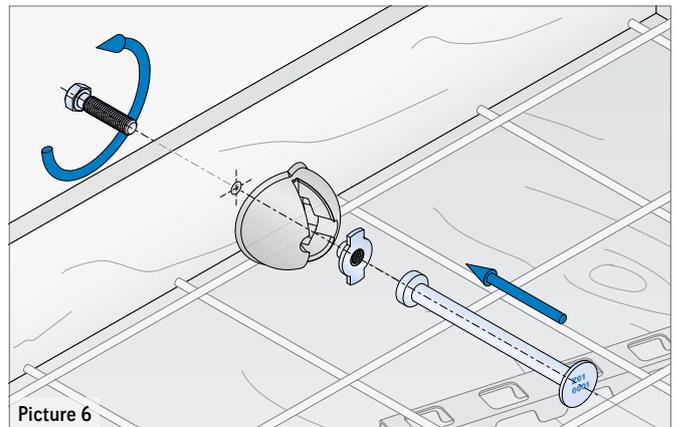
ACCESSORIES FOR RUBBER RECESS FORMER

TABLE 4: STAMPED PART WITH INTERNAL THREAD

Ref. no.	Type	M (mm)	S (mm)
83-SIG-013	KK 1.3	8	8
83-SIG-025	KK 2.5	10	12
83-SIG-050	KK 4.0 / 5.0	10	13
83-SIG-100	KK 7.5 / 10.0	12	13
83-SIG-200	KK 15.0 / 20.0	12	12



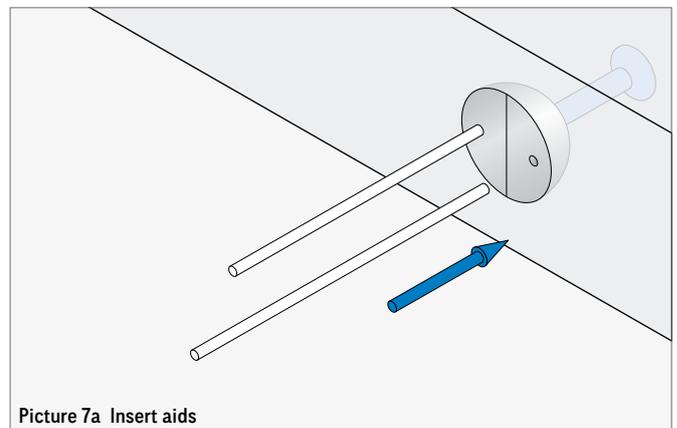
Picture 5



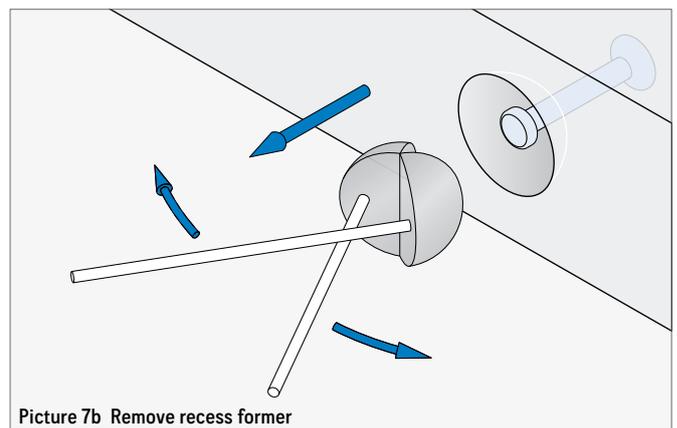
Picture 6

REMOVING THE RECESS FORMER

The recess formers have two holes on the outside so that they can be lifted out of the hardened concrete. Suitable rods (aids) are inserted into these holes for this purpose. Now, the recess former can be opened and removed by applying a tilting lever action. Concrete residues shall be removed also.



Picture 7a. Insert aids

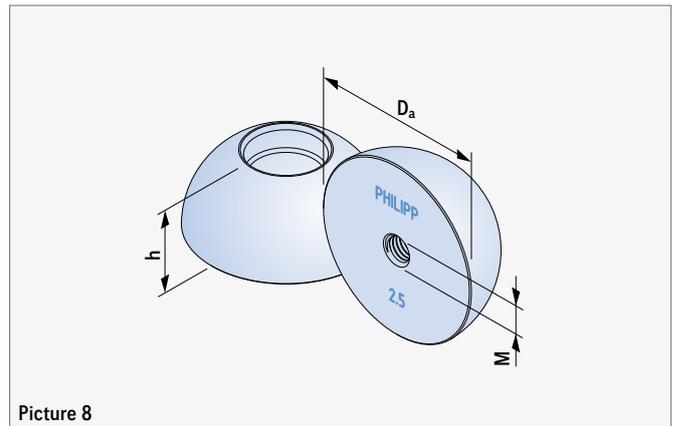


Picture 7b. Remove recess former

STEEL RECESS FORMER

TABLE 5: STEEL RECESS FORMER

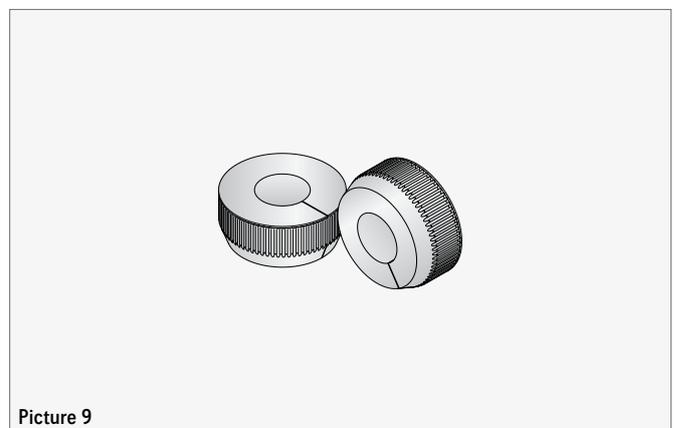
Ref. no.	Type	D _a (mm)	M (mm)	h (mm)
83-AKS-013	KK 1.3	60	8	28
83-AKS-025	KK 2.5	74	12	33
83-AKS-050	KK 5.0	94	12	42
83-AKS-100	KK 7.5 / 10.0	118	12	52



Picture 8

TABLE 6: RUBBER RING

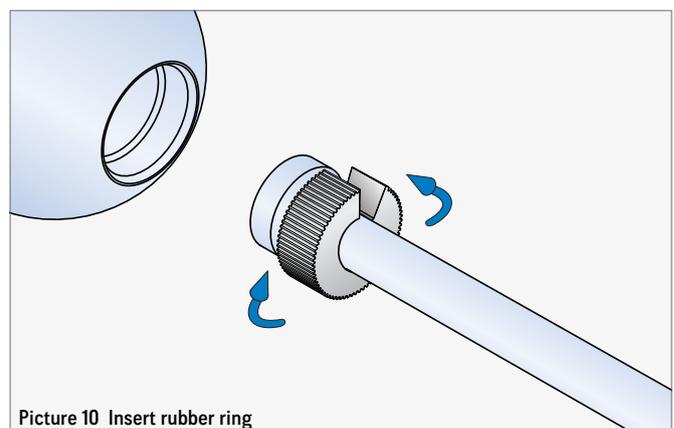
Ref. no.	Type	Weight (kg/100 pcs.)
83-GMS-013	KK 1.3	0.40
83-GMS-025	KK 2.5	0.90
83-GMS-050	KK 5.0	1.40
83-GMS-750	KK 7.5	2.20
83-GMS-100	KK 10.0	2.20



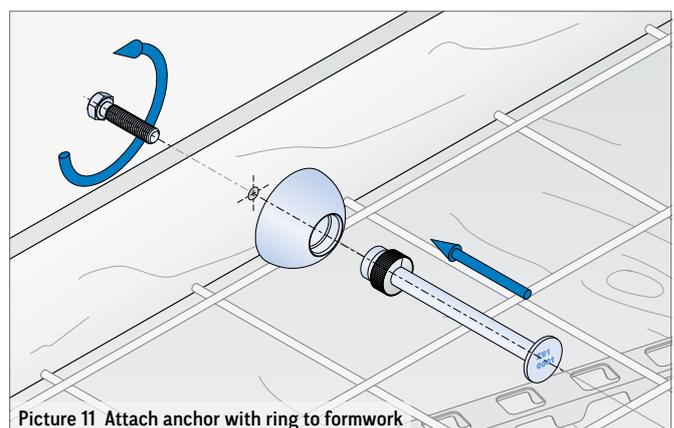
Picture 9

INSTALLATION OF SPHERICAL HEAD ANCHORS USING RUBBER RING

The rubber ring is placed around the transport anchor. Then, both parts are pressed together into the hole of the steel recess former. Beforehand, the rubber ring may need to be greased slightly. It is important to ensure that the transport anchor is securely fixed so that it does not slip out during the concreting process.



Picture 10 Insert rubber ring

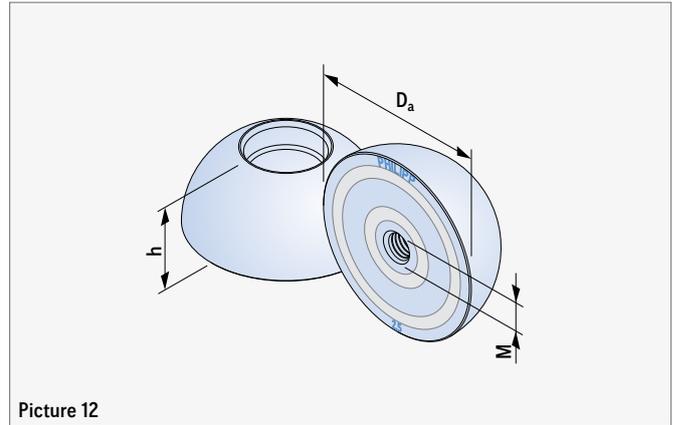


Picture 11 Attach anchor with ring to formwork

MAGNETIC RECESS FORMER

TABLE 7: MAGNETIC RECESS FORMER

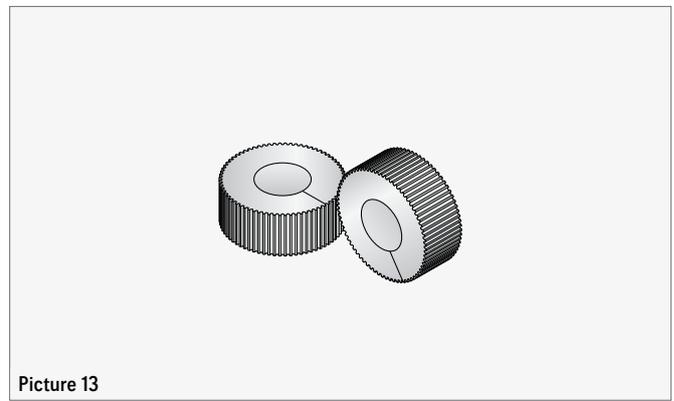
Ref. no.	Type	D _a (mm)	M (mm)	h (mm)
83-AKM-013	KK 1.3	60	8	28
83-AKM-025	KK 2.5	74	12	33
83-AKM-050	KK 5.0	94	12	42
83-AKM-100	KK 7.5 / 10.0	118	12	53



Picture 12

TABLE 8: RUBBER RING

Ref. no.	Type	Weight (kg/100 pcs.)
83-GMS-013M	KK 1.3	0.40
83-GMS-025M	KK 2.5	0.90
83-GMS-050M	KK 5.0	1.40
83-GMS-750M	KK 7.5	2.20
83-GMS-100M	KK 10.0	2.20



Picture 13



FURTHER INFORMATION ON MAGNETS

HANDLING!

Improper handling may result in skin bruises and haematomas. Due to the high impact speeds, parts of the magnet can splinter and cause injuries. Magnets do not belong in children's hands. Also swallowing of the magnets can cause serious medical problems. Persons with pacemakers are advised to keep a certain safety distance to strong magnets. Also direct contact with magnetic materials can lead to allergic reactions (e.g. Against ceramic and metallic materials as well as zinc, nickel or plastics).

TEMPERATURE!

Please note that the magnets have a maximum operating temperature of 80 °C. At temperatures above 80 °C, they may permanently lose some of their adhesive force.

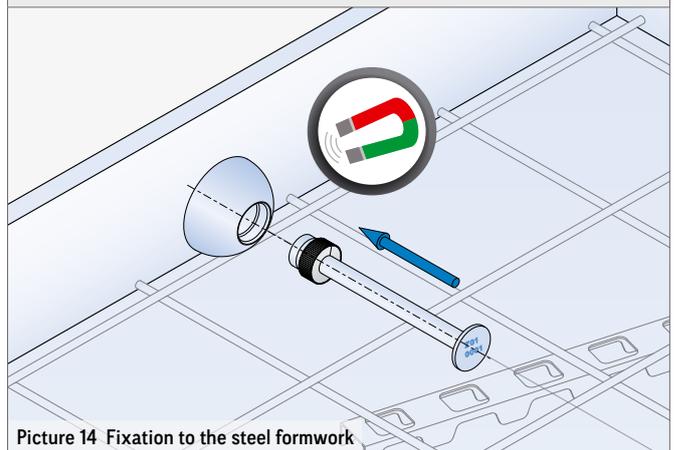
EFFECT!

Please notice that magnetic fields can delete data media such as hard disks, cards with magnetic stripes etc. Electronic and mechanic components such as pacemaker, watches, counters, compasses, displays can be influenced or destroyed. Therefore, keep a distance of at least one metre to these objects.



NOTE ON CONCRETING

If concrete is poured over the magnetically fixed transport anchor, the magnetic recess former on the formwork may be displaced. To avoid this, the area of the anchor must be skipped during concreting.



Picture 14 Fixation to the steel formwork

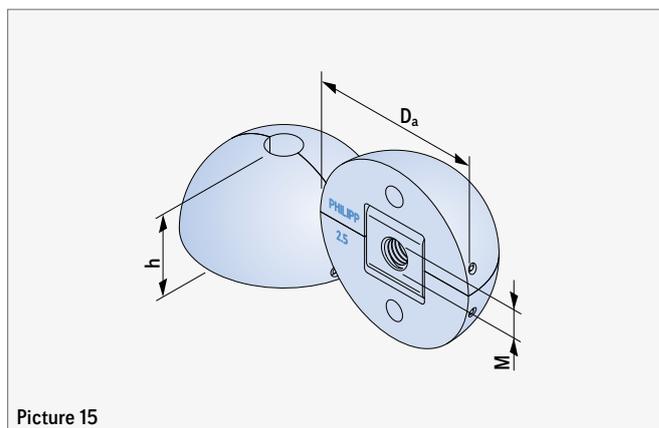
RESPONSIBILITY!

The magnets are coated to protect them. This coat can be removed during normal use. Splintering of the coating is possible when magnets collide. But this does not affect the performance of the magnets and is no reason for complaint. Mechanical influences such as welding or grinding must be avoided in all cases.

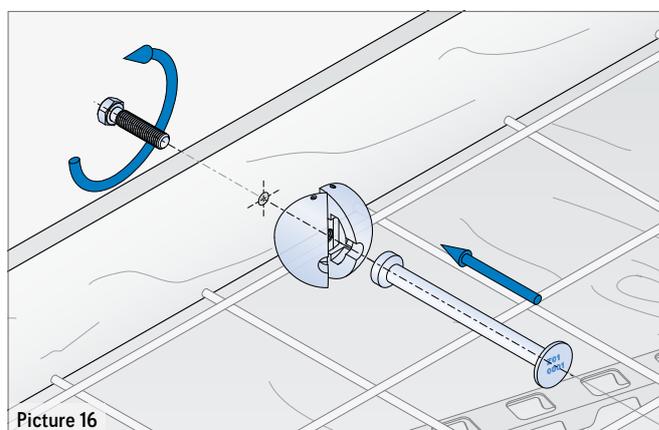
STEEL RECESS FORMER, TO BE OPENED

TABLE 9: STEEL RECESS FORMER, TO BE OPENED

Ref. no.	Type	D _a (mm)	M (mm)	h (mm)
83-AKA-013	KK 1.3	60	8	28
83-AKA-025	KK 2.5	74	10	33



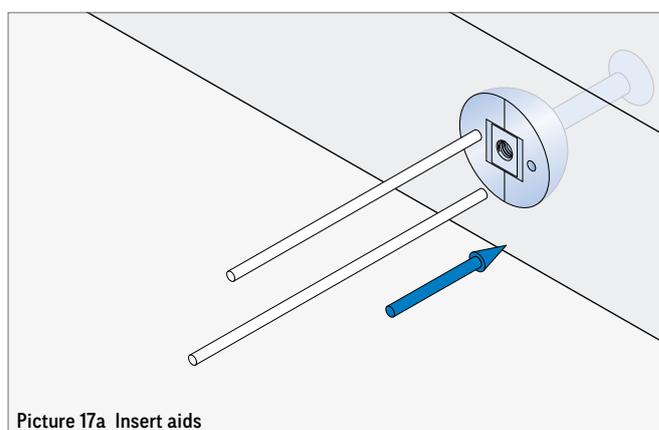
Picture 15



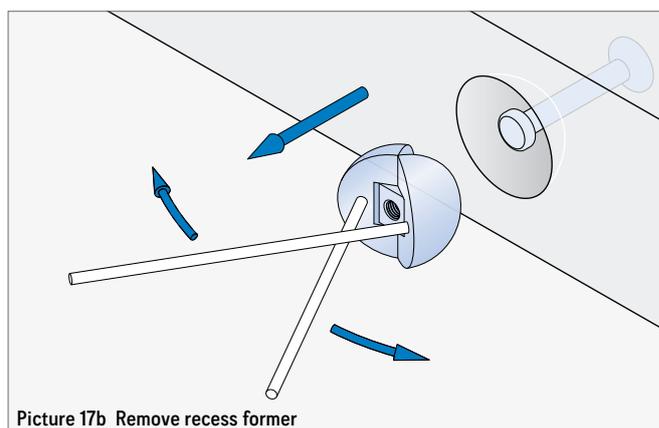
Picture 16

REMOVING THE RECESS FORMER

The recess formers have two holes on the outside so that they can be lifted out of the hardened concrete. Suitable rods (aids) are inserted into these holes for this purpose. Now, the recess former can be opened and removed by applying a tilting lever action. Concrete residues shall be removed also.



Picture 17a Insert aids



Picture 17b Remove recess former

HEADQUARTERS

Lilienthalstraße 7-9
63741 Aschaffenburg
☎ +49 6021 40 27-0
✉ info@philipp-gruppe.de

PRODUCTION AND LOGISTICS

Hauptstraße 204
63814 Mainaschaff
☎ +49 6021 40 27-0
✉ info@philipp-gruppe.de

OFFICE COSWIG

Roßlauer Straße 70
06869 Coswig /Anhalt
☎ +49 34903 6 94-0
✉ info@philipp-gruppe.de

OFFICE NEUSS

Sperberweg 37
41468 Neuss
☎ +49 2131 3 59 18-0
✉ info@philipp-gruppe.de

OFFICE TANNHEIM

Robert-Bosch-Weg 12
88459 Tannheim /Allgäu
☎ +49 8395 8 13 35-0
✉ info@philipp-gruppe.de

PHILIPP VERTRIEBS GMBH

Pfaffing 36
5760 Saalfelden / Salzburg
☎ +43 6582 7 04 01
✉ info@philipp-gruppe.at

PHILIPP POLSKA SPÓŁKA Z O.O.

ul. Wojska Polskiego 1
47-220 Kędzierzyn-Koźle / Opole
☎ +48 503 353 816
✉ polska@philipp-gruppe.de



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