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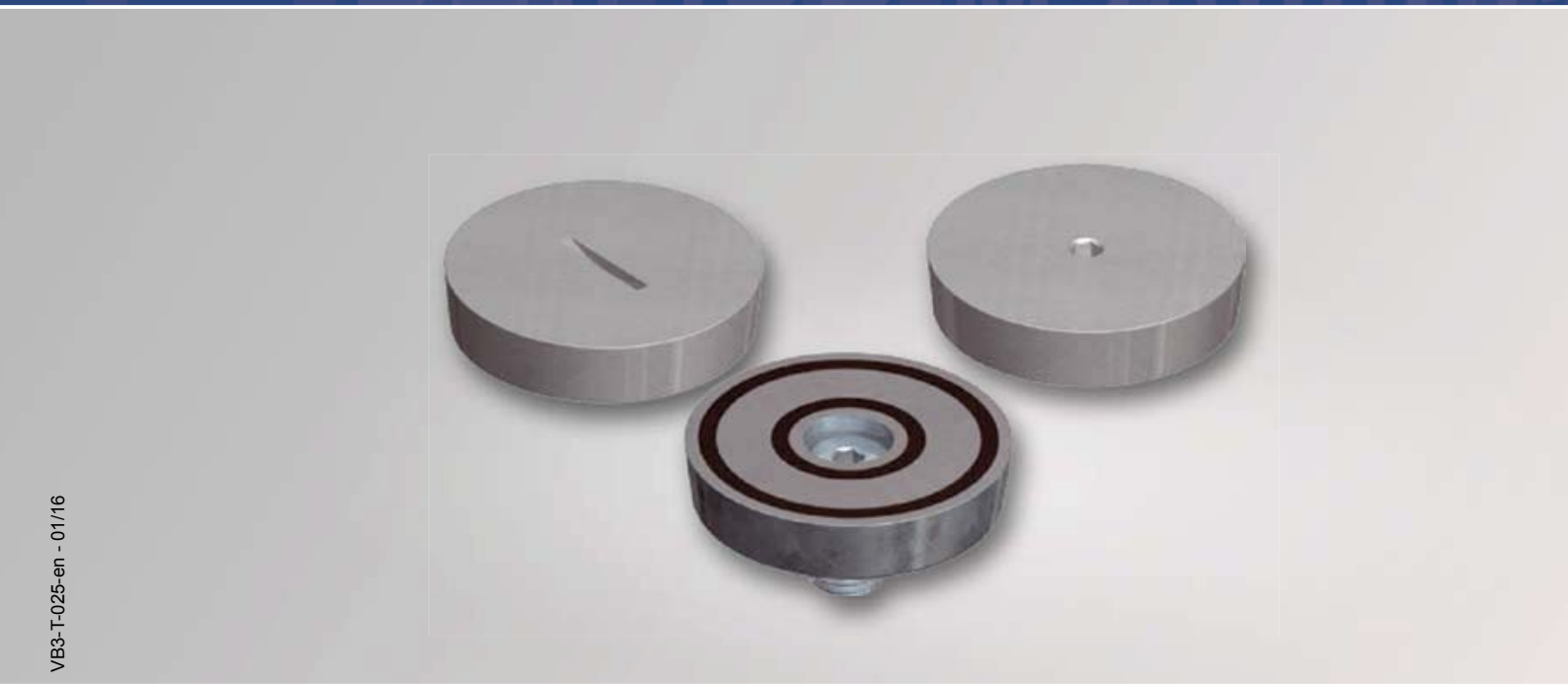
PHILIPP Magnetic fixations



VB3-T-025-en - 01/16

Data sheet

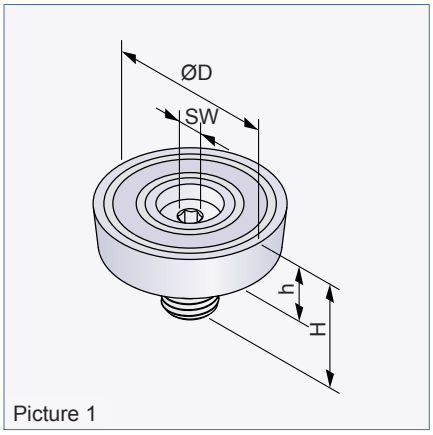
PHILIPP Magnetic fixations

Magnetic fixations are used to fix threaded transport anchors or inserts to a steel mould and thus guarantees a save fixation. Depending on the intended use magnets with different adhesion forces are available. For normal loads we recommend an adhesion force of 105 kg per magnet. High loads (e.g. horizontal position of the anchor) are covered by a type with 190 kg adhesion strength.
The Magnetic fixation can be combined with the Lifting loop with threaded end by default. For an application with the Wirbelstar and Lifty special recess formers are available (please refer to the data sheet Steel and Magnetic recess former for Wirbelstar, and the data sheet Nailing plate (plastic) for Lifty).
The recesses caused by the Magnetic fixation can be sealed easily with a PHILIPP standard sealing cap made of stainless steel. The dimensions of the sealing cap stainless steel are adapted to the Magnetic fixation.

Depending on the requirements a version with a slot or an internal hexagon is available.
In order to ensure an effortless loosening of the magnetic recess formers it is recommended to oil the magnetic body and the thread. To avoid a rotation of the threaded adapter the anchor or insert must be connected to the magnetic recess former prior fixing it to the mould (attention: screw in the threaded adapter only hand-tight). It must be ensured that the threaded insert has contact with the magnetic recess former. If it is required to move the magnet on the mould please use a plastic hammer or hammer shaft. It is not allowed to use threaded anchors as lever arm otherwise the magnetic recess former could be damaged.
The adhesive surface must be kept clean and unevennesses must be removed so that the adhesion force is not reduced. Any heating of the magnetic recess former is inadmissible because the magnetic structure can be destroyed.

Table 1: Magnetic fixation (Type R/G105)

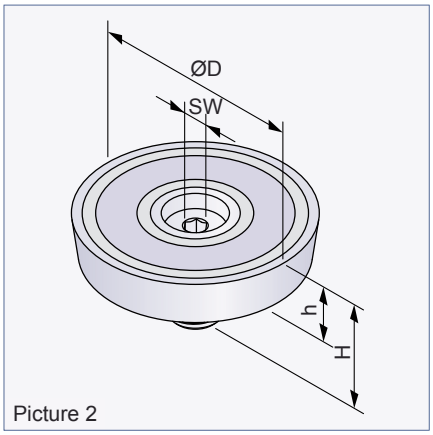
Ref.-No.	Type [RD/M]	Adhesion strength [kg]	ØD [mm]	H [mm]	h [mm]	SW [mm]	Weight [kg/100 pcs.]
72MAX12SI	12	105	54	31	15	10	28.0
Type RD 14 of the threaded transport anchor system is no longer available							
72MAX16SI	16	105	54	35	15	10	29.0
Type RD 18 of the threaded transport anchor system is no longer available							
72MAX20SI	20	105	54	35	15	10	31.0
72MAX24SI	24	105	54	35	15	10	33.0
72MAX30SI	30	105	54	35	15	10	37.0
72MAX36SI	36	105	54	35	15	10	43.0



Picture 1

Table 2: Magnetic fixation (Type R/G190)

Ref.-No.	Type [RD/M]	Adhesion strength [kg]	ØD [mm]	H [mm]	h [mm]	SW [mm]	Weight [kg/100 pcs.]
72MAX12SGI	12	190	69	31	15	10	44.0
72MAX14SGI	14	190	69	31	15	10	45.0
72MAX16SGI	16	190	69	35	15	10	45.0
72MAX18SGI	18	190	69	35	15	10	46.0
72MAX20SGI	20	190	69	35	15	10	47.0
72MAX24SGI	24	190	69	35	15	10	49.0
72MAX30SGI	30	190	69	35	15	10	53.0
72MAX36SGI	36	190	69	35	15	10	59.0

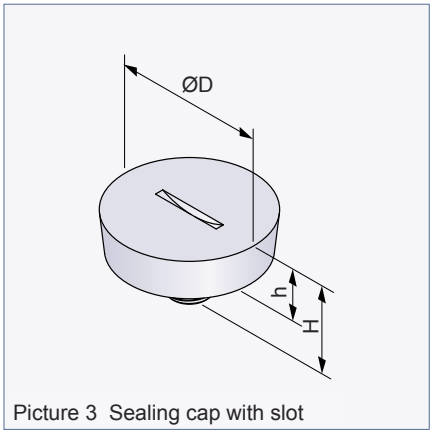


Picture 2

Sealing caps

Table 3: Sealing cap stainless steel (with slot) for type R/G 105

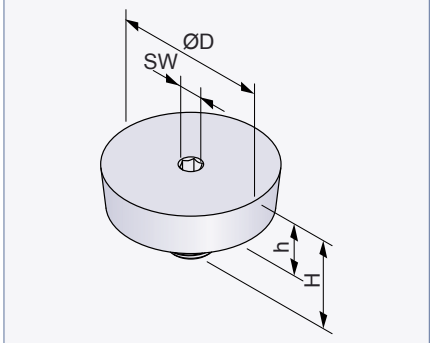
Ref.-No.	Type [RD/M]	ØD [mm]	H [mm]	h [mm]	Weight [kg/100 pcs.]
72ASMAX12105VA-S	12	54	30	15	28.0
72ASMAX14105VA-S	14	54	30	15	29.0
72ASMAX16105VA-S	16	54	30	15	29.0
72ASMAX18105VA-S	18	54	30	15	30.0
72ASMAX20105VA-S	20	54	30	15	31.0
72ASMAX24105VA-S	24	54	35	15	33.0
72ASMAX30105VA-S	30	54	35	15	37.0
72ASMAX36105VA-S	36	54	35	15	43.0



Picture 3 Sealing cap with slot

Table 4: Sealing cap stainless steel (with internal hexagon) for type R/G 105

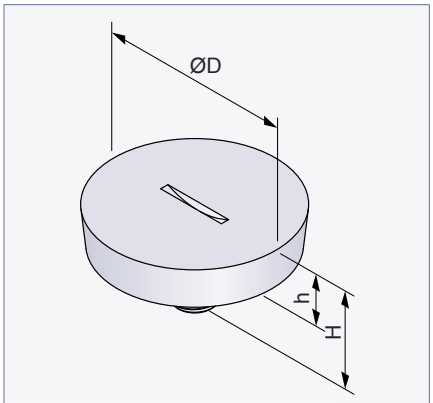
Ref.-No.	Type [RD/M]	ØD [mm]	H [mm]	h [mm]	SW [mm]	Weight [kg/100 pcs.]
72ASMAX12105VA-I	12	54	30	15	6	28.0
72ASMAX14105VA-I	14	54	30	15	6	29.0
72ASMAX16105VA-I	16	54	30	15	6	29.0
72ASMAX18105VA-I	18	54	30	15	6	30.0
72ASMAX20105VA-I	20	54	30	15	6	31.0
72ASMAX24105VA-I	24	54	35	15	6	33.0
72ASMAX30105VA-I	30	54	35	15	6	37.0
72ASMAX36105VA-I	36	54	35	15	6	43.0



Picture 4 Sealing cap with internal hexagon

Table 5: Sealing cap stainless steel (with slot) for type R/G 190

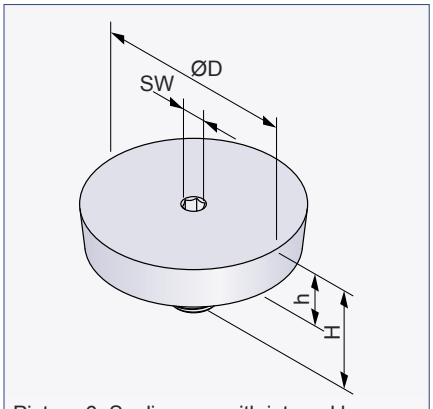
Ref.-No.	Type [RD/M]	ØD [mm]	H [mm]	h [mm]	Weight [kg/100 pcs.]
72ASMAX12190VA-S	12	69	30	15	44.0
72ASMAX14190VA-S	14	69	30	15	45.0
72ASMAX16190VA-S	16	69	30	15	45.0
72ASMAX18190VA-S	18	69	35	15	46.0
72ASMAX20190VA-S	20	69	35	15	47.0
72ASMAX24190VA-S	24	69	35	15	49.0
72ASMAX30190VA-S	30	69	40	15	53.0
72ASMAX36190VA-S	36	69	40	15	59.0



Picture 5 Sealing cap with slot

Table 6: Sealing cap stainless steel (with internal hexagon) for type R/G 190

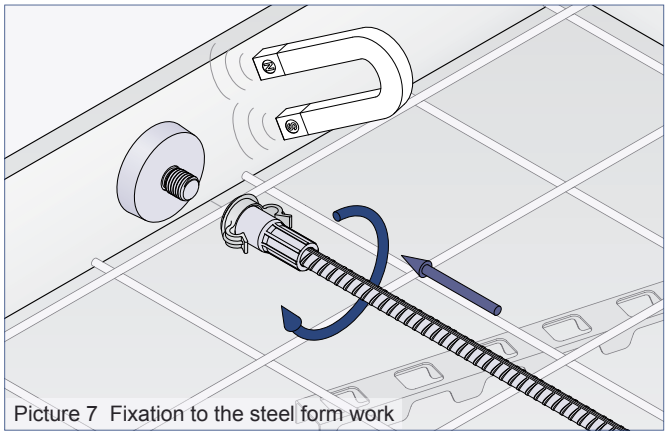
Ref.-No.	Type [RD/M]	ØD [mm]	H [mm]	h [mm]	SW [mm]	Weight [kg/100 pcs.]
72ASMAX12190VA-I	12	69	30	15	6	44.0
72ASMAX14190VA-I	14	69	30	15	6	45.0
72ASMAX16190VA-I	16	69	30	15	6	45.0
72ASMAX18190VA-I	18	69	35	15	6	46.0
72ASMAX20190VA-I	20	69	35	15	6	47.0
72ASMAX24190VA-I	24	69	35	15	6	49.0
72ASMAX30190VA-I	30	69	40	15	6	53.0
72ASMAX36190VA-I	36	69	40	15	6	59.0



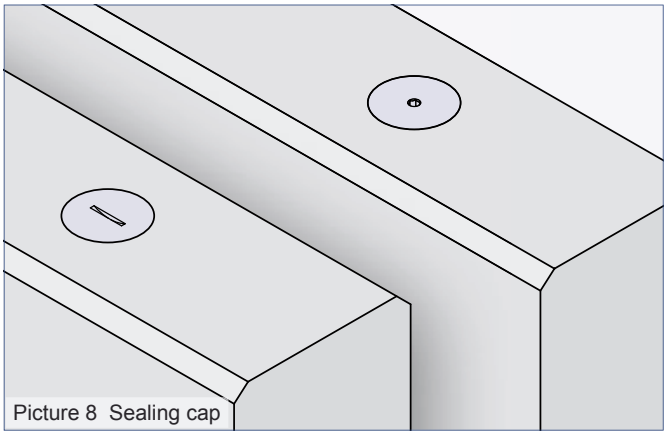
Picture 6 Sealing cap with internal hexagon

Application

The stainless steel recess former seals the recess of the magnetic fixation completely. On the top there is a small slot or a hexagon socket for screwing. Hence, the Sealing cap in stainless steel offers an optical attractive solution to close the recess flush to the concrete surface. In order to avoid the penetration of moisture the Sealing cap in stainless steel should be pasted into the socket with a self-adhesive sealant.



Picture 7 Fixation to the steel form work



Picture 8 Sealing cap