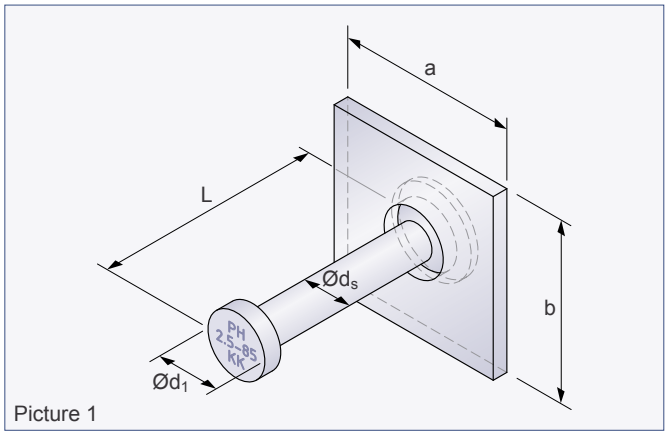
PHILIPPGROUP

PHILIPP Spherical head flat steel anchor

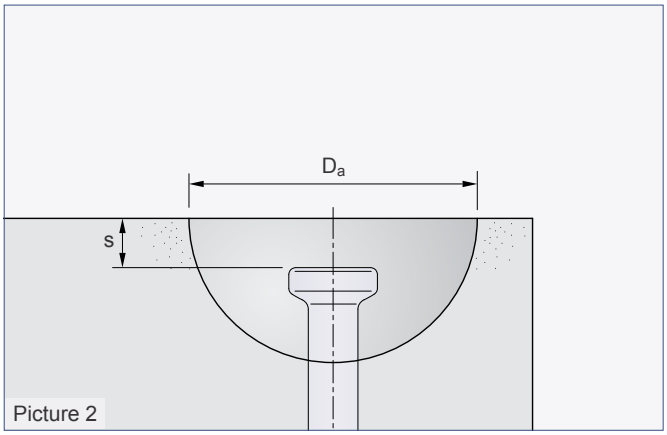
VB3-T-047-en - 02/18

Data sheet

PHILIPP Spherical head flat steel anchor



Picture 1



Picture 2

The Spherical head flat steel anchor is designed to be used in flat concrete elements, such as slabs. Its use requires also the compliance with the Application Instruction for the belonging lifting device (Spherical head lifting clutch). The anchor may only be used in combination with the mentioned original PHILIPP lifting device.

Depending on the individual load case it might be necessary to contact our technical department prior to use of the Spherical head flat steel anchor.
With matching recess formers (see data sheet PHILIPP Accessories) the Spherical head flat steel anchor is fixed to the mould before concreting.

Table 1: Dimensions of the Spherical head flat steel anchor

Ref.-No.	Type	L [mm]	Ød$_s$ [mm]	Ød$_1$ [mm]	a × b [mm]	s [mm]	D$_a$ [mm]	Weight [kg/100 pcs.]
81-025-055FL	KK 2.5	55	14	25	70 × 70	11	74	32.5
81-025-120FL	KK 2.5	120	14	25	70 × 70	11	74	40.0
81-050-055FL	KK 5.0	55	20	36	90 × 90	15	94	71.5
81-050-065FL	KK 5.0	65	20	36	90 × 90	15	94	74.0
81-050-110FL	KK 5.0	110	20	36	90 × 90	15	94	85.0
81-100-115FL	KK 10.0	115	28	46	90 × 90	15	118	138.0

Materials

The Spherical head flat steel anchor consists of a standardised round steel with a forged foot and head as well as a steel plate fixed to the foot. In following versions the anchor can be supplied: electro-galvanised, hot-dip galvanised or stainless steel.

Marking

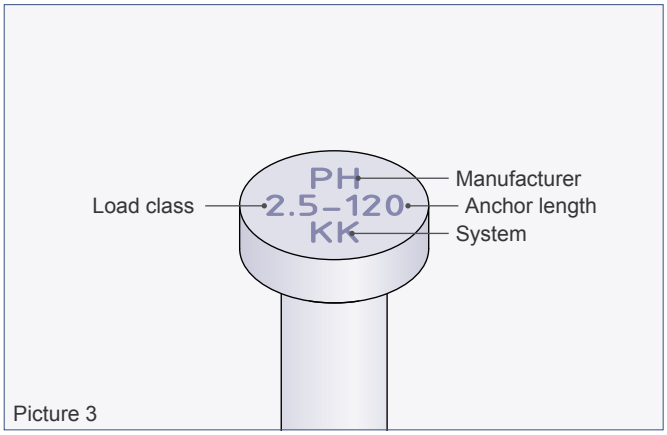
In order to distinguish the different sizes of Spherical head flat steel anchors a marking with load class and length is given on the anchor head.

- Marking on anchor head
  - Manufacturer (PH)
  - Load class (e.g. 2.5)
  - Anchor length (e.g. 120)
  - System (KK)
- Marking on anchor foot
  - CE marking ①
  - Material (e.g. A4 for stainless steel SS316)

ⓘ ① The EC Declaration of Conformity (DoC) of the Spherical head flat steel anchor is available on request or can be downloaded from our website www.philipp-gruppe.de.

Corrosion

If concrete elements with installed Spherical head flat steel anchors are stored outside for a longer time (contact with rain or humidity causes moisture insight the recesses) corrosion may reduce the bearing capacity of the Spherical head flat steel anchor. Therefore the anchor may fail under load. In addition, marks on the concrete surface caused by corrosion may appear.



Picture 3