

PHILIPPGROUP

Transport and mounting systems for prefabricated units



VB3-B1-001-en - 06/21

Product information – PB anchor

Version: 06.2021



CHANGE

TOGETHER2021 PHILIPPGRoup

Dear partner,
dear business friend,

While many things around us tend to become short-lived and hence the intrinsic value of products is partly getting questionable, we are looking to a future that will last for generations to come. Therefore, we are pleased to introduce you our durable fixations for precast concrete constructions, achieved with simple but high-quality components now - with the new PHILIPP PB anchor.

The intensive development work has paid off in every respect resulting in a system that creates confidence with its long-lasting design - entirely in the spirit of an excellent technical and even sustainable solution.

Convince yourself and everyone else who follows you (in the planning process)!

Yours

Thorsten Philipp

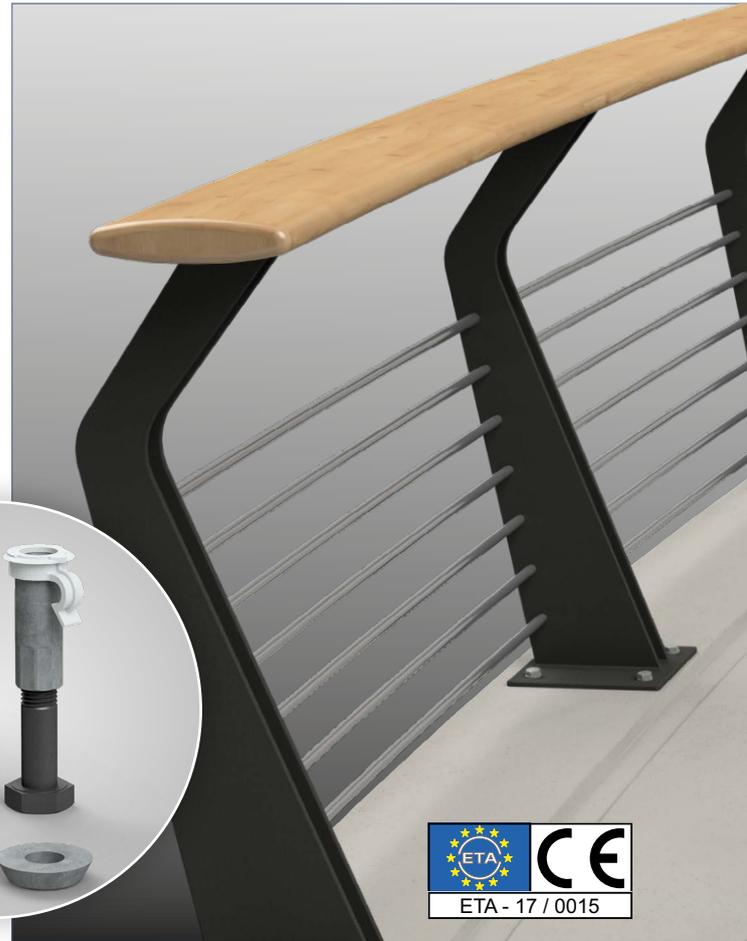
The world is in motion.
We provide it support.

More than 45 years
of trust

PHILIPPGROUP

PB anchor

These approved and certified, heavy-duty threaded anchors in five dimensions (RD12-30) can be applied to all places where load bearing constructions are to be fixed subsequently both to precast concrete elements or cast-in situ concrete elements. No matter whether in (un)reinforced and (un)cracked concrete, the PB anchor transfers tensile or shear forces as well as combinations of them safely and durably. Different installation alternatives (surface-flush or recessed) and materials (bright zinc galvanized or stainless steel) allow a wide range of applications.



Features and benefits compact

- ✓ Certified system (ETA approval)
- ✓ Multi-purpose, permanent fixing of all types of constructions
- ✓ High load-bearing capacities
- ✓ Releasable connection at any time
- ✓ Flexible formwork installation - recessed or surface-flush
- ✓ Easy, software-based design acc. to EN 1992-4:2018

Applications

- ✓ Balcony or staircase railings
- ✓ Bridge railings
- ✓ Stadium seats
- ✓ Facade constructions
- ✓ Line routes, maintenance and supply constructions
- ✓ Attachment of steel or timber constructions to concrete elements

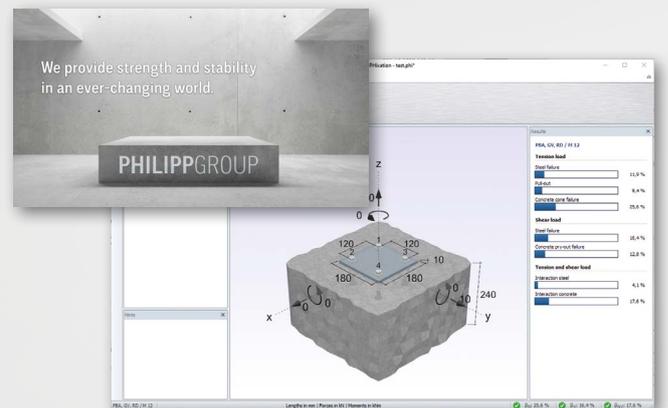
Design software

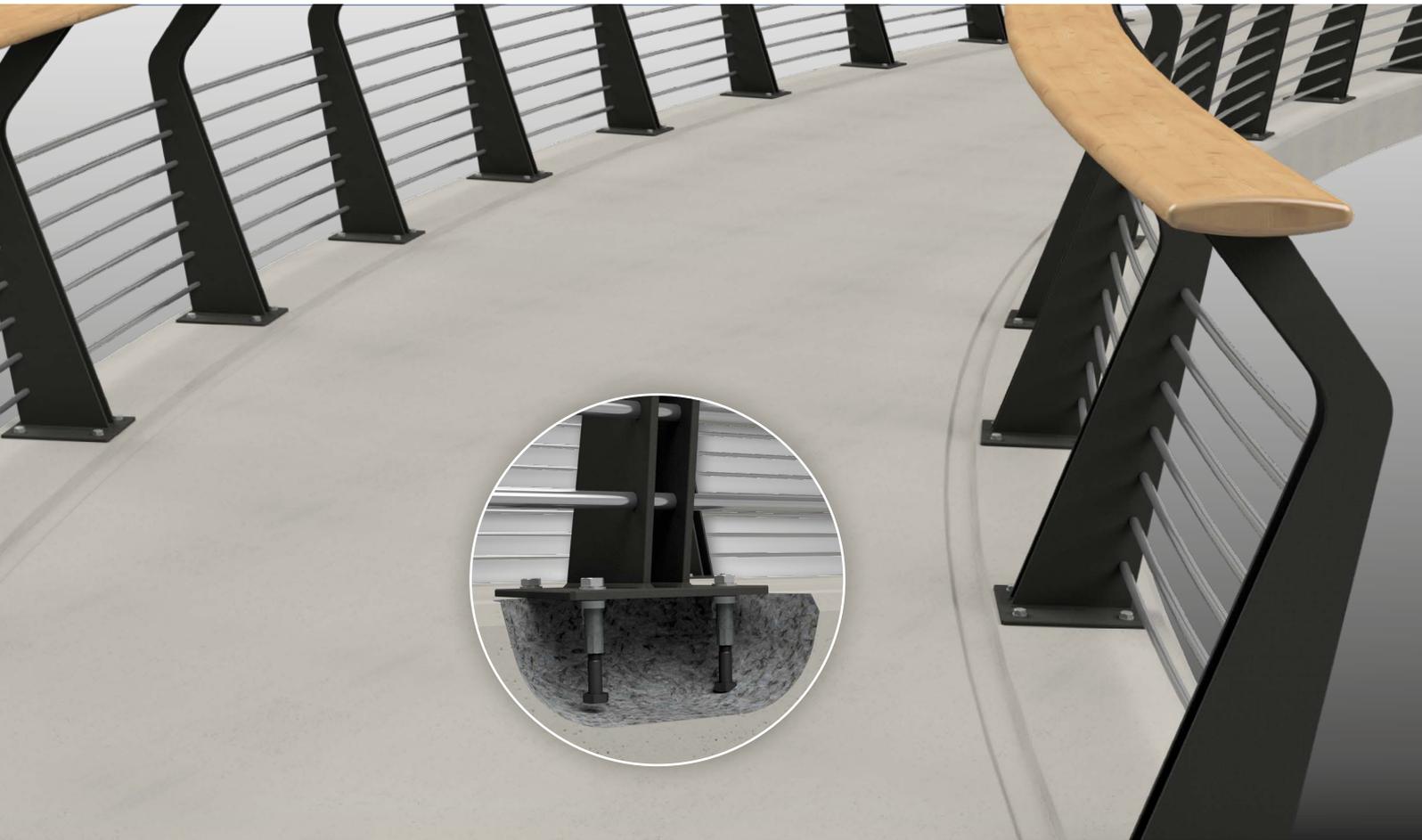
Our free software for the design of the PB anchors is available on the PHILIPP website with following benefits:



www.philipp-group.de

- ✓ Simple and easy to understand user interface
- ✓ All important information at a glance
- ✓ Compact or complete, comprehensible design
- ✓ In accordance to EN 1992-4:2018
- ✓ Multiple calculations





Version galvanised steel



PB marking ring with clip



PB adapter plate (galvanised steel)



PB anchor (insert SS316)



PB marking ring with clip



PB adapter plate (SS316)



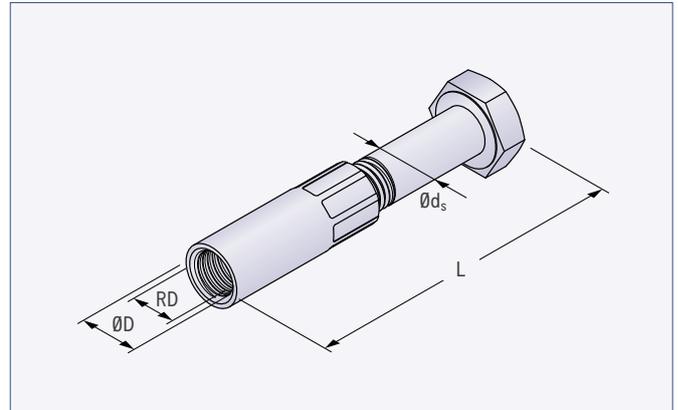
PHILIPP PB-System (permanent fixation system)

PB anchor

The PB anchor is designed for fixations in un/cracked normal concrete with a minimum compressive strength of C20/25 under predominantly static or a quasi-static load. It is certified and approved via the European Technical Assessment (ETA-17/0015) by the Deutsches Institut für Bautechnik (DIBt), Berlin, Germany.

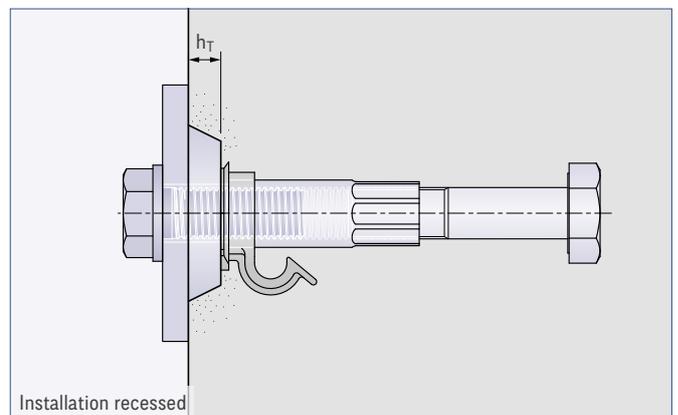
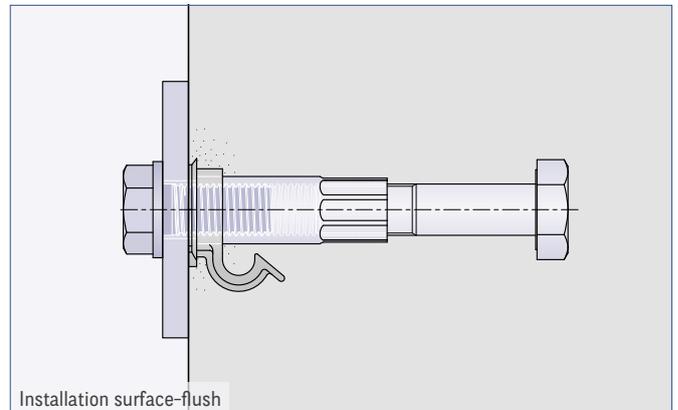


The PB anchor must be always installed in combination with the PB marking ring with clip



PB anchor

Ref. no.	Type	RD	Dimensions			
			ØD (mm)	L (mm)	Øds (mm)	h _T (mm)
Version: galvanised steel						
70PBA12	PBA 12	12	15.0	67.5	12	10.0
70PBA16	PBA 16	16	21.0	114.5	16	10.0
70PBA20	PBA 20	20	27.0	155.0	20	10.0
70PBA24	PBA 24	24	31.0	201.0	24	10.0
70PBA30	PBA 30	30	39.5	250.0	30	10.0
Version: stainless steel						
70PBA12VA	PBA 12	12	15.0	67.5	12	10.0
70PBA16VA	PBA 16	16	21.0	114.5	16	10.0
70PBA20VA	PBA 20	20	27.0	155.0	20	10.0
70PBA24VA	PBA 24	24	31.0	201.0	24	10.0
70PBA30VA	PBA 30	30	39.5	250.0	30	10.0



You can find further details about the application of the PB anchor on our website www.philipp-group.de.



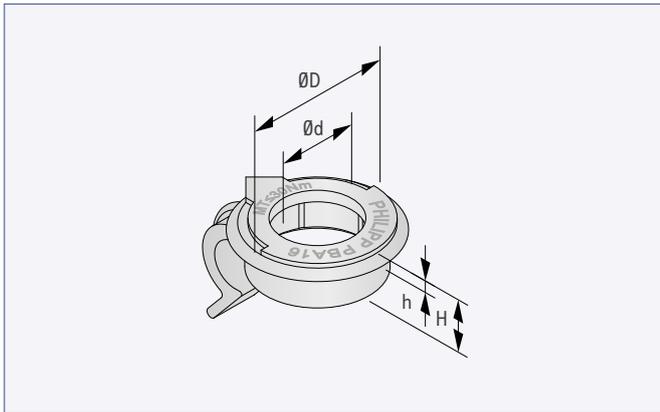
www.philipp-group.de

[Home](#) / [Products](#) / [Transport and Mounting Systems](#) / [Fixing technology](#)

PB marking ring with clip / PB adapter plate

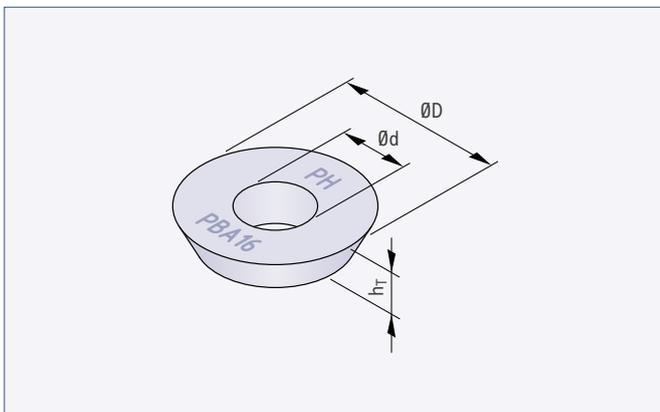
PB marking ring with clip

The PB marking ring with clip is used in order to identify the anchor in installed position, to fix the additional reinforcement in the right position (if necessary) and to show the load direction.



PB adapter plate

If the PB anchor is installed recessed by using a recess former, the PB adapter plate can be placed into the recess during mounting procedure.



PB marking ring with clip (plastic)

Ref. no.	Type	ØD (mm)	Ød (mm)	H (mm)	h (mm)
Version: galvanised steel					
74KR12PBA	PBA 12	28	13	10.5	2.5
74KR16PBA	PBA 16	32	17	10.5	2.5
74KR20PBA	PBA 20	37	21	10.5	2.5
74KR24PBA	PBA 24	41	25	10.5	2.5
74KR30PBA	PBA 30	52	31	10.5	2.5
Version: stainless steel					
74KR12PBAVA	PBA 12	28	13	10.5	2.5
74KR16PBAVA	PBA 16	32	17	10.5	2.5
74KR20PBAVA	PBA 20	37	21	10.5	2.5
74KR24PBAVA	PBA 24	41	25	10.5	2.5
74KR30PBAVA	PBA 30	52	31	10.5	2.5

PB adapter plate

Ref. no.	Type	ØD (mm)	Ød (mm)	h _T (mm)
Version: galvanised steel				
72AS12PBA	PBA 12	40.0	12.5	10.0
72AS16PBA	PBA 16	40.0	16.5	10.0
72AS20PBA	PBA 20	55.0	20.5	10.0
72AS24PBA	PBA 24	55.0	24.5	10.0
72AS30PBA	PBA 30	70.0	30.5	10.0
Version: stainless steel				
72AS12PBAVA	PBA 12	40.0	12.5	10.0
72AS16PBAVA	PBA 16	40.0	16.5	10.0
72AS20PBAVA	PBA 20	55.0	20.5	10.0
72AS24PBAVA	PBA 24	55.0	24.5	10.0
72AS30PBAVA	PBA 30	70.0	30.5	10.0



All recess formers from the PHILIPP KHN system can be used for a recessed installation.



You can find further details about the application of the PB anchor on our website www.philipp-group.de.



www.philipp-group.de

Home / Products / Transport and Mounting Systems / Fixing technology

Our customers trust us to deliver.

We do everything in our power to reward their faith and we start each day intending to do better than the last. We provide strength and stability in an ever-changing world. We provide it support.

Welcome to the PHILIPP Group

Sustainable
solutions

PHILIPPGROUP



PHILIPP GmbH

Lilienthalstrasse 7-9
D-63741 Aschaffenburg
Phone: + 49 (0) 6021 / 40 27-0
Fax: + 49 (0) 6021 / 40 27-440
info@philipp-gruppe.de

PHILIPP GmbH

Roßlauer Strasse 70
D-06869 Coswig/Anhalt
Phone: + 49 (0) 34903 / 6 94-0
Fax: + 49 (0) 34903 / 6 94-20
info@philipp-gruppe.de

PHILIPP GmbH

Sperberweg 37
D-41468 Neuss
Phone: + 49 (0) 2131 / 3 59 18-0
Fax: + 49 (0) 2131 / 3 59 18-10
info@philipp-gruppe.de

PHILIPP ACON Hydraulic GmbH

Hinter dem grünen Jäger 3
D-38836 Dardesheim
Phone: + 49 (0) 39422 / 95 68-0
Fax: + 49 (0) 39422 / 95 68-29
info@philipp-gruppe.de



PHILIPP Vertriebs GmbH

Leogangerstraße 21
A-5760 Saalfelden / Salzburg
Phone + 43 (0) 6582 / 7 04 01
Fax + 43 (0) 6582 / 7 04 01 20
info@philipp-gruppe.at

For more information visit our website: www.philipp-group.de