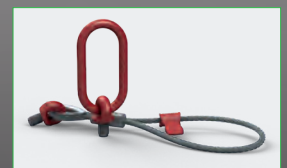
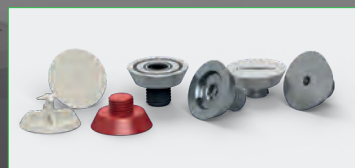
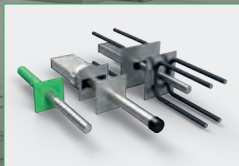


For faster construction



Building Solutions by PHILIPPGROUP





Examples of applications

- 01** **THREADED ANCHORS**
- 02** **SPHERICAL HEAD SYSTEM**
- 03** **CONNECTION TECHNOLOGY**
- 04** **FIXING TECHNOLOGY**
- 05** **NOISE REDUCTION SYSTEM**



THREADED TRANSPORT ANCHOR - STRAIGHT VERSION

Straight tail threaded transport anchors can be used universally for various precast concrete elements on the one hand, but on the other hand they can show their capabilities in e.g. bar-shaped elements or walls. Either with extremely thin or heavy prefabricated elements – depending on the element type and its dimensions different sizes are available. Axial-, diagonal and lateral tension are no problem for the threaded anchor with straight tail.

Characteristics

- ✓ no parts projecting above the element's surface
- ✓ resistant to light soiling due to special round thread
- ✓ small recesses on the concrete surface



LIFTING LOOP WITH THREADED END



For the complete range of PHILIPP Threaded transport anchors the Lifting loop with threaded end, consisting of a galvanized wire rope, can be used for axial and diagonal tension.

Characteristics

- ✓ System suitable for all load directions (axial, diagonal and lateral tension)
- ✓ Solutions made of plastic or stainless steel complete the system with practical or visually attractive sealing caps
- ✓ Continuous colour coding enables clear assignment of system components
- ✓ Durable and reusable system devices

LIFTING LOOP PLUS

For all load directions, axial, diagonal and lateral tension, and in combination with the complete range of PHILIPP Threaded transport anchors the Lifting loop plus can be used universally.

Characteristics

- ✓ Load up to 6,3 t
- ✓ suitable for all load directions (axial, diagonal and lateral tension)
- ✓ Round or metric thread
- ✓ well-priced



The Lifty with wire rope is a universally applicable lifting device for the PHILIPP threaded anchor system. It consists of a forged ring bolt with a thread and galvanized pressed-steel wire rope.

Characteristics

- ✓ load up to 8 t
- ✓ applicable for all load directions (axial, diagonal and lateral tension)
- ✓ metric or round thread

KHN SYSTEM

The KHN system is the most versatile system of recess formers and lifting devices that can be used. On applications around the universal lifting device Lifty resp. Lifty with wire rope the main focus is set here.

Characteristics

- ✓ System suitable for all load directions (axial, diagonal and lateral tension)
- ✓ Solutions made of plastic or stainless steel complete the system with practical or visually attractive sealing caps
- ✓ Continuous colour coding enables clear assignment of system components
- ✓ Durable and reusable system devices



SPHERICAL HEAD TRANSPORT ANCHOR



Spherical head transport anchors are very universally applicable anchors for wall-like geometries, which are used in both light and very heavy precast concrete parts. They convince with their simplicity and robust components as well as an easy installation with the appropriate accessories. Here, the applicable load directions are axial and diagonal tension.

Characteristics

- ✓ no parts projecting above the element's surface
- ✓ quick coupling of the lifting device into the anchor
- ✓ easy installation due to the rotation symmetry
- ✓ robust, long-lasting lifting device

SPHERICAL HEAD LIFTING CLUTCH

Exclusively for the Spherical head anchor system the Spherical head lifting clutch is designed and enables with its simple mechanism an easy, safe and very fast (un) coupling of a precast element. Due to its robust design it is very durable and therefore ideal for daily use. In order to increase the safety of the clutch a check gauge for a fast and easy test of important wear measurements is available.



Characteristics

- ✓ load up to 45 t
- ✓ applicable for all load directions (axial, diagonal and lateral tension)
- ✓ use exclusively for spherical head anchors

SPHERICAL HEAD ACCESSORIES



For an optimum fixing of spherical head anchors and easy coupling of a lifting clutch various recess formers are available for this anchor system.

Characteristics

- ✓ available in rubber or steel version

SHEAR DOWEL SYSTEMS

Just see, how easy a planned transfer of shear forces between reinforced concrete elements can be realized. Simple combinations of a dowel and a sleeve part each cover a wide range of applications and result in highly load-bearing, restraint-free and flexibly displaceable constructions. The ease of installation and mounting completes the systems. Overall, the shear dowel systems meet the highest requirements in regard to cost-effectiveness, quality and safety.

Characteristics

- ✓ Two approved, high-capacity systems: heavy duty dowel DB (Ø20-40 mm) and simple shear dowel ESD (Ø16-35 mm)
- ✓ Flexible in material, joint width, fire protection requirements and much more
- ✓ Wide range of applications combined with easy installation
- ✓ Special dowel for the compensation of height tolerances of up to 11 mm available

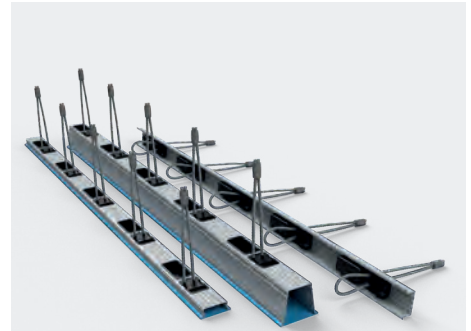


POWER DUO SYSTEM

The true classic connecting rail system creates a force- and form-fit connection of precast concrete elements starting from a thickness of 12 cm. Forces in three load directions are transferred safely, shear forces parallel and right-angled to the joint as well as tensile forces in rope direction. High design values as also the consideration of fire exposure characterise this connection solution. A wide range of suitable mortar types completes the system.

Characteristics

- ✔ Transfer of shear forces parallel and right-angled to the joint, tension forces in the wall plane
- ✔ in combination with thixotropic mortar, the most economical way of connecting precast elements
- ✔ application in case of fire regulated in the approval
- ✔ certified solution



German national approvals
PHILIPP Power Duo System
 Power Duo rails
 (Z-21.8-2028 / Z-21.8-2066)



BT-SPANNSCHLOSS®

The BT-Spannschloss® enables rational and precise assemblies as BT-Spannschloss® well as permanent connections of precast concrete elements. By using the BT turnbuckle with PHILIPP PB Anchor, precast elements can be joined together without a mineral grout. This eliminates curing times or downtimes due to low temperatures. The connection with the BT-Spannschloss® can be fully loaded immediately.

Characteristics

- ✔ Dry, force-fitting, and durable connection of precast concrete elements without the necessity of grouting
- ✔ Easy to assemble by hand
- ✔ Weather-independent construction



ETA-19/0013
 European Technical Assessment

THE APPROPRIATE PERMANENT ADDITION TO THE BT-SPANNSCHLOSS®



ETA-17/0015
 European Technical Assessment

These approved, high-performance internal threaded anchors in five different sizes (RD12-30) can be used wherever load-bearing structures are to be subsequently attached to prefabricated reinforced concrete or cast-in situ concrete elements. No matter whether in un/reinforced and un/cracked normal concrete, the PB anchors transmits tensile and shear loads or a combination thereof safely and permanently. Different installation options (surface-flush, recessed) and materials (galvanised or stainless steel type) enable a wide range of applications.

Characteristics

- ✔ Certified system (ETA approval)
- ✔ Flexible formwork installation – recessed or surface-flush
- ✔ Multi-purpose, permanent fixing of all types of constructions
- ✔ Easy, software-based design acc. to EN 1992-4:2018

PB ANCHOR

You will find more products in the field of building solutions on our website www.philipp-group.com.

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