

# PHILIPPGRUPP

## PHILIPP Adapter for lateral tension



VB3-T-053-en - 01/16

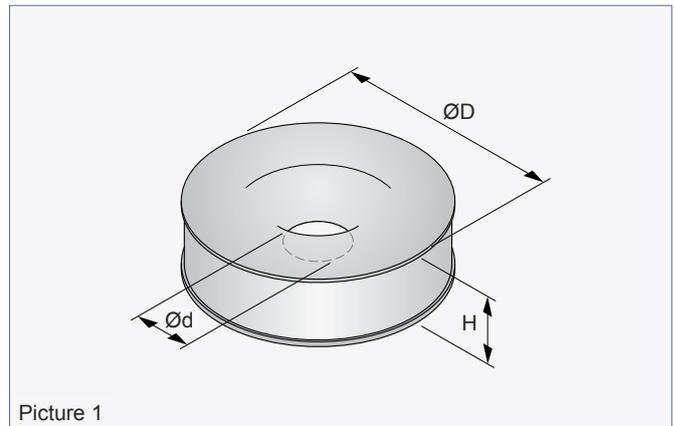
Application Instruction

### PHILIPP Adapter for lateral tension

The Adapter for lateral tension is part of the PHILIPP Transport anchor system and completes as an accessory the lifting device PHILIPP Lifting loop with threaded end (product group 69M\_\_ and 69RD\_\_). If the Adapter for lateral tension is used the PHILIPP Lifting loop with threaded end (diagonal tension up to 45°) can be used also for lateral tension up to 90°. Thus, there is no limitation regarding the load directions anymore when the adapter is used continuously. A large bending radius within the ring ensures a long-lasting protection of the Lifting loops.

#### Advantages:

- Standard Lifting loops with threaded end can be taken for all load directions (Picture 2 and 3) if the adapter is used. Axial, diagonal and lateral tension (Picture 2 and 3).
- Standard Lifting loops with threaded end can be used, no additional discard criteria have to be considered.
- Adapter for lateral tension is applicable repeatedly because it is made of durable material.
- Easy handling



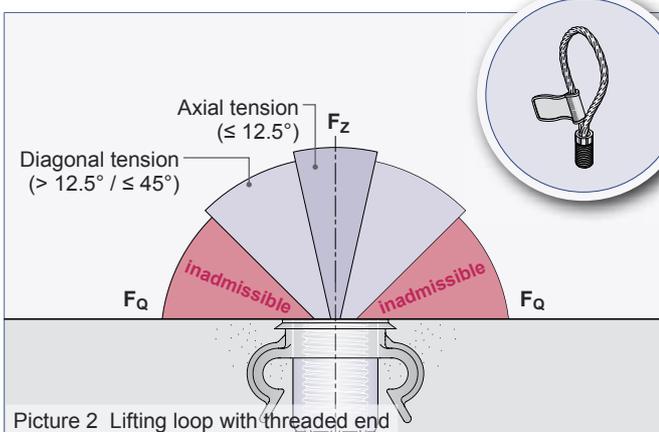
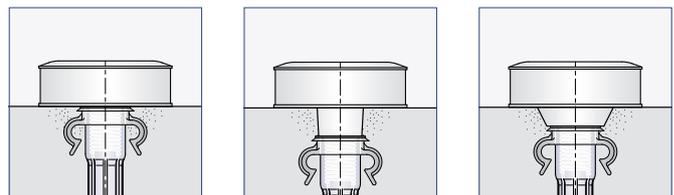
Picture 1

 The Adapter for lateral tension can be used for anchors fixed flush to the concrete surface as well as recessed anchors as long as following recess formers or nailing plates are used.

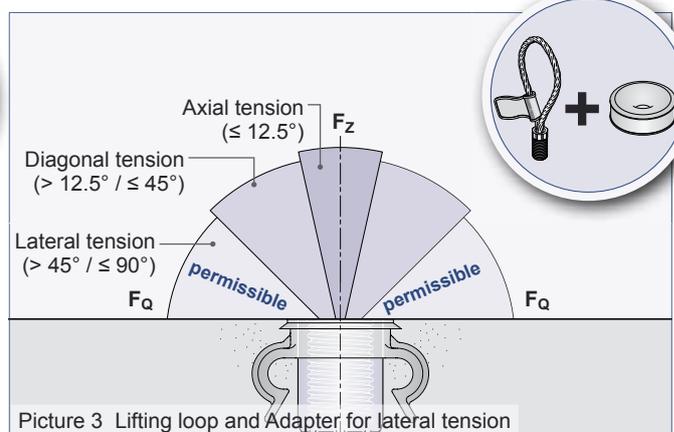
- 72KH12 - 72KH24
- 72KH12STAHL - 72KH52STAHL
- 72MAXKH12ST - 72MAXKH52ST
- 72MAXKH20SO - 72MAXKH52SO
- 72KHN12 - 72KHN52
- 72KHN12STK - 72KHN52STK
- 72MAXKHN12 - 72KHN52MAX
- 72KHS12 - 72KHS24

Table 1: Dimensions

Ref.-No.	For Lifting loop with threaded end Type [RD/M]	H [mm]	ØD [mm]	Ød [mm]
69M12Q90	 12	24	60	14
69M16Q90	 16	23	70	18
69M20Q90	 20	31	90	23
69M24Q90	 24	38	110	27
69M30Q90	 30	45	130	35
69M36Q90	 36	52	150	40
69M42Q90	 42	64	180	47
69M52Q90	 52	72	210	57



Picture 2 Lifting loop with threaded end



Picture 3 Lifting loop and Adapter for lateral tension

## Adapter for lateral tension

### Material

The Adapter for lateral tension is made of a high-quality plastic whose hardness and resistance to abrasion enables a frequent use without any loss of quality.

### Marking

Each Adapter for lateral tension is marked as follows:

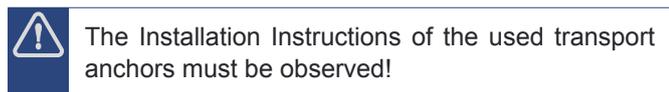
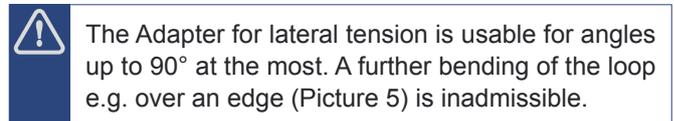
- Manufacturer
- Reference number
- Type / size
- Application instruction
- Additional marking of type (e.g. on the bottom of the adapter)



Picture 4

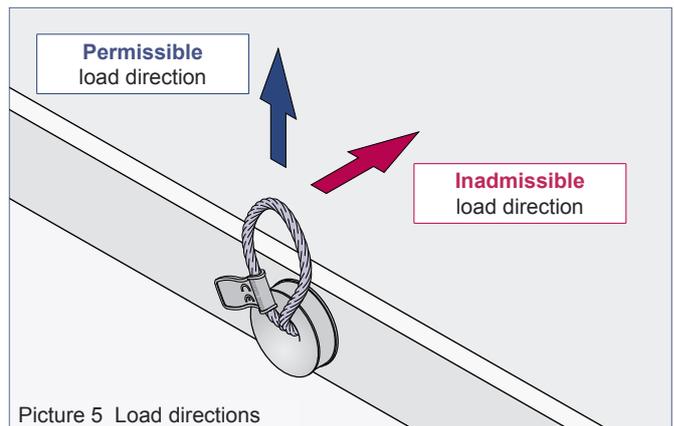
### Permissible bearing capacities

The bearing capacity of the Adapter for lateral tension is conform to the installed threaded transport anchor. Here, the permissible loads for the particular lifting situation (axial, diagonal or lateral tension) must be considered.



### Application

The use of the Adapter for lateral tension is quite simple. Either the ring can be pushed over the thread of the Lifting loop and screwed together into the insert of the anchor or the ring is held over the opening of the insert and the Lifting loop is screwed in. A fixing of the Adapter for lateral tension is not necessary at all. After the lifting or mounting process the adapter and the Lifting loop are removed easily so that they are ready for the next application.

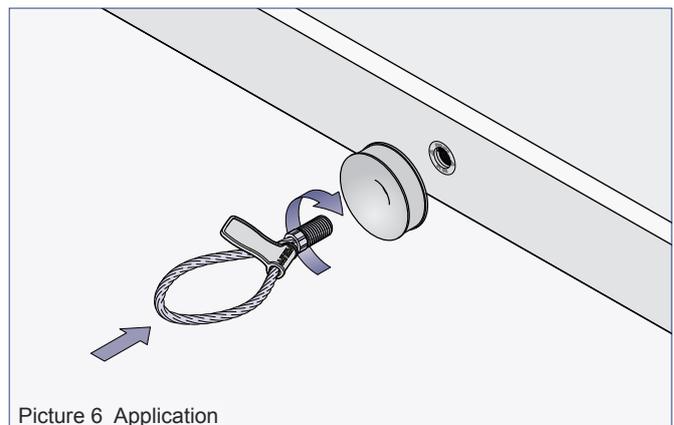


Picture 5 Load directions

### Material, stocking

The material of the Adapter for lateral tension

- is resistant to temperature influence from -50°C up to 110°C (Stocking or use of the Adapter for lateral tension close to heat sources must be avoided).
- complies with the fire resistance grading for normal flammable materials.
- has a good UV resistance. Nevertheless, the Adapter for lateral tension should not be exposed to sunlight for a long time resp. stored outdoors. Stocking or use of the Adapter for lateral tension close to heat sources must be avoided.
- has a good chemical resistance particularly to organic solvents.



Picture 6 Application

Notes:

A large grid area for taking notes, consisting of a 30x30 grid of small squares. The grid is empty and occupies the central portion of the page.