

USING INSTRUCTION OF PHILIPP LIFTING LOOP WITH THREADED END

The **PHILIPP Lifting Loop** is part of the **PHILIPP Transport Anchor System** and complies with the „Safety Rules for Transport Anchors and Systems for Precast Concrete Units“ (German regulation, BGR 106).

On use of **PHILIPP Lifting Loops** attention must be paid to this using instruction, the installation instructions of **PHILIPP Threaded Transport Anchors** as well as the general installation instruction.

The **PHILIPP Lifting Loop** is available with metric thread (Table 1) or with special RD-thread (with metric pitch).

Table 1: Permissible Load Bearing Capacities and Dimensions

Art.-No. RD- Thread	Art.-No. M- Thread	Type	Permissible Load Bearing Capacity F_z 0°-45° [kN]	h [mm]	e [mm]	Weight [kg/100 pcs.]	PU [pcs.]
69RD12	69M12	12	5.0	155	22	6.00	10
69RD14	69M14	14	8.0	155	25	9.50	10
69RD16	69M16	16	12.0	165	27	13.00	10
69RD18	69M18	18	16.0	190	34	19.00	10
69RD20	69M20	20	20.0	215	35	26.00	10
69RD24	69M24	24	25.0	255	44	46.00	5
69RD30	69M30	30	40.0	300	55	88.00	5
69RD36	69M36	36	63.0	360	68	145.00	1
69RD42	69M42	42	80.0	425	75	216.00	1
69RD52	69M52	52	125.0	530	95	450.00	1

The weight of 1.0ton results in 10kN.

1. Material

The **PHILIPP Lifting Loop** consists of special steel wire rope in galvanized quality. The threaded part is made of bright precision steel.

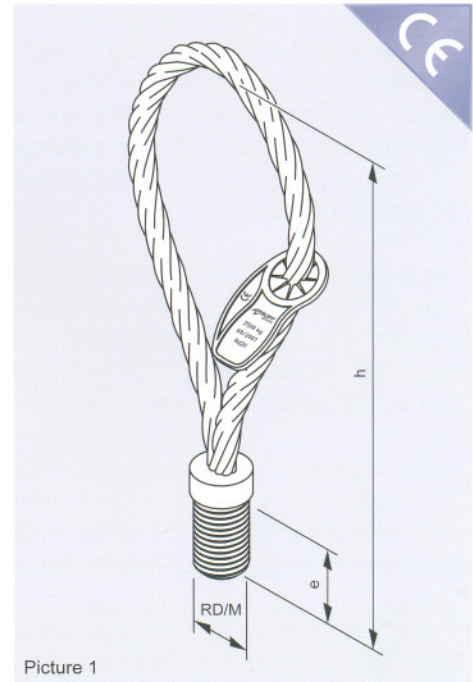
2. Application

The **PHILIPP Lifting Loop** is used as a lifting device within the **PHILIPP Threaded Anchor System** and can be turned in or out of the threaded anchor like a standard screw. The **PHILIPP Lifting Loop** must be screwed in completely.

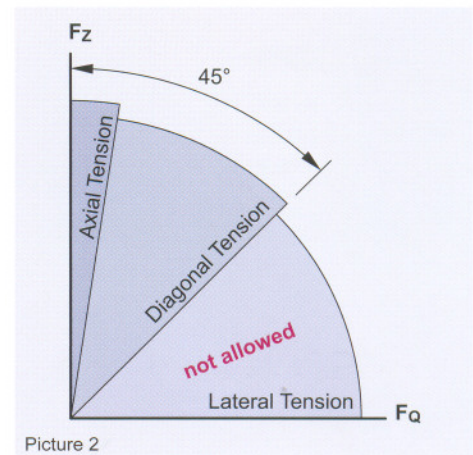
The **PHILIPP Lifting Loop** can only be used for axial and diagonal tension.

On use attention must be paid to the following points:

- lateral tension on **PHILIPP Lifting Loop** is inadmissible
- thread must be screwed in totally
- dirty threads of transport anchors and lifting loops must be cleaned
- consider replacement state (German regulation, UVV (BGR 500) see also Section 4)
- contact of **PHILIPP Lifting Loop** with aggressive media such as acids and leaches is not allowed



Picture 1



Picture 2