Brief manual Click Screw 1.0 & 2.0

Lifting anchor / Loose load-handling device

This brief manual applies exclusively in conjunction with the Click Screw operating instructions.

User Requirements

Warning!

Possible damage to the Click Screw, the load and the load receptacle.
Danger from falling parts.

- **Read and follow the operating instructions.**
- **Use only by qualified and trained personnel.**
- **Load up only to the maximum specified load capacity.**
- **Exclusively for use with a hoist that has a load capacity equal to or greater than the load capacity of the Click Screw.**
- **Do not stay under a suspended load.**
- **Lifting / transporting of or over people is prohibited!**
- **The operator must check the functions of the Click Screw at the start of the work.**
- **Check that the Click Screw is in perfect condition after each use.**
- **Ensure correct and secure fastening when mounting the anchor points on the Click Screw.**
- **When using the angled impact, <u>always</u> screw the Click Screw into the receiving thread by hand after the "click", until the base body rests on the load.**
- **To avoid accidents, follow safety instructions and observe danger areas.**
- **The national regulations of the country where the Click Screw is used must be observed.**

Application area of the Click Screw

- Approved exclusively for lifting loads that have appropriate and suitable receiving threads in the load. The thread in the load must be capable of safely and permanently transferring the force exerted during lifting into the load.
- The split thread of the Click Screw must be able to be inserted freely into the receiving thread of the load and must fully engage in the load's thread.
- The thread must be clean and free of chips, swarf, paint, … etc.
- The base body of the Click Screw must rest on the load. There must be no interfering contours of the load in contact with the Click Screw.
- The Click Screw is not intended for transporting people! Lifting people is prohibited!
- The load must not be transported over people with the Click Screw.
- Max. load according to the load capacity specified on the Click Screw. The transverse forces are calculated and approved with a "folded" shackle / the centre point of a standard eyebolt in the load direction and are briefly listed in the respective operating instructions.
- Do not use below -10 °C and above +60 °C, Humidity 20% to 90% relative humidity, non-condensing.
- The Click Screw must not be used on construction sites.
- The Click Screw is designed for 16000 load cycles and must then be inspected by a qualified person.
- No contact with aggressive substances and chemicals.
- Using the Click Screw in explosive areas or explosive atmospheres is prohibited!
- No use with toxic substances and liquids assigned to §§ 9/10 of the Hazardous Substances Ordinance.
- Use of the Click Screw is only permitted in the intended manner.
- Any other use is misuse, improper operation.

Mounting the Click Screw with the attachment point

Warning!

Pinching of body parts possible. Danger from falling masses, due to incorrect mounting of the Click Screw on the lifting point:

- **the load can crash**
- **ensure correct and secure fastening when mounting the attachment points on the Click Screw.**
- **the requirements for safe fastening must be strictly observed.**
- **installation only by trained and instructed personnel.**

- Check if the crane, chain and crane hook are in perfect condition.
- Check if the load-handling device (chain, crossbeam, etc.) on the crane is in perfect condition.
- Check if the lifting point on the Click Screw is in perfect condition.
- Check if the Click Screw itself is in perfect condition.
- Check if the anchor point or the load-handling device is correctly fastened to the Click Screw.
- Check if the safety latch/catch on the crane hook is securely closed.

Brief manual Click Screw 1.0 & 2.0

Lifting anchor / Loose load-handling device

This brief manual applies exclusively in conjunction with the Click Screw operating instructions.

Picking up the load

1. Move the load-handling device to the load and bring it into the correct position.
2. Pull the actuation of the Click Screw all the way up.
3. Insert the thread of the Click Screw into the receiving thread of the load.
4. The split thread of the Click Screw must fully engage in the receiving thread of the load. The base body of the Click Screw must rest on the load.
5. Push the Click Screw actuation all the way down.
6. If the actuator is correctly locked, the engagement "click" is noticeable/audible.
7. If the actuator does not lock/"click", remove the Click Screw from the receiving thread, rotate the Click Screw 180° along its longitudinal axis, and start from step 3.
8. If the actuator is correctly locked, the red marking must not be visible.
9. After the "click", always screw the Click Screw by hand into the receiving thread until the base body rests on the load.
10. Remove hands from the Click Screw; the Click Screw must not be "guided."
11. Slowly lift the load with the crane.
12. Check if the load is held correctly and hangs almost vertically.

Placing the load

1. Use the crane to guide the load-handling device with the load to the correct position.
2. Lower the load-handling device with the crane, until the load rests securely at the correct position.
3. Release the Click Screw from the receiving threads of the load.
4. Rotate the Click Screw actuator until the base body no longer rests on the load and then pull the Click Screw actuator all the way up.
5. Fully remove the Click Screw thread from the receiving thread of the load.
6. Guide the load-handling device back with the crane.

Checking the Click Screw

An operator inspection is carried out for each application:

- Check if the Click Screw is in perfect condition.
- Inform the specialist department of any visible changes and/or damages.
- Do not use the Click Screw afterward.
- The Click Screw is designed for 16000 load cycles and must then be inspected by a qualified person/expert.

Maintenance of the Click Screw

- The Click Screw is maintenance-free. Regular maintenance is not required.
- If necessary, clean the Click Screw with a cloth. Do not use corrosive, metal-damaging cleaning agents, and no water for cleaning.
- If necessary, lightly lubricate the split thread of the Click Screw with a non-resinous spray oil. Wipe off excess oil with a soft cloth.

Technical data

Click Screw 1.0 / CS1.0 (without shackle)							
Designation / Type	M8	M10	M12	M16	M20	M24	M30
Load capacity (0°-Vertical):	140 kg	230 kg	340 kg	700 kg	1200 kg	1800 kg	3200 kg
Load capacity (30°- diagonal pull):	40 kg	65 kg	115 kg	215 kg	340 kg	450 kg	755 kg
Load capacity (45°- diagonal pull):	30 kg	50 kg	90 kg	165 kg	260 kg	345 kg	580 kg
Load capacity (90°- diagonal pull):	25 kg	40 kg	70 kg	130 kg	210 kg	275 kg	460 kg
Thread	M8x1,25	M10x1,5	M12x1,75	M16x2,0	M20x2,5	M24x3,0	M30x3,5
Discard maturity	7,75	9,7	11,7	15,6	19,5	23,5	29,5mm
Test load (2 x load capacity):	280 kg	460 kg	680 kg	1400 kg	2400 kg	3600 kg	6400 kg

Click Screw 2.0 / CS2.0 (with shackle / ring)								
Designation / Type	M6	M8	M10	M12	M16	M20	M24	M30
Load capacity (0°-Vertical):	50 kg	140 kg	230 kg	340 kg	700 kg	1200 kg	1800 kg	3200 kg
Load capacity (90°- diagonal pull):	50 kg	140 kg	230 kg	340 kg	700 kg	1200 kg	1800 kg	3200 kg
Thread	M6x1,0	M8x1,25	M10x1,5	M12x1,75	M16x2,0	M20x2,5	M24x3,0	M30x3,5
Discard maturity	5,80	7,75	9,7	11,7	15,6	19,5	23,5	29,5mm
Test load (2 x load capacity):	100 kg	280 kg	460 kg	680 kg	1400 kg	2400 kg	3600 kg	6400 kg