POWERTEX

EN Assembly instructions

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Wire Rope Clip with casted Bridge PCTA

Generally according to EN 13411-5A

User Manual

UMPCTA20240426UK

POWERTEX Wire Rope Clip PCTA
Assembly instructions (EN) (Original instruction)

Suitable applications of wire rope clips to EN 13411-5 standards include suspending static loads and single use lifting operations which have been assessed by a competent person considering appropriate safety factors. Correctly mounted the assembly will withstand 80% of the rope's minimum breaking load (MBL).

These clips are for use with 6 stranded right hand lay ropes in 6x19(M) and 6x36 classes and rotation – resistant right hand langs lay wire rope in 8x19 class up to 1960 N/mm².

Do not use these wire rope clips with compacted, hammered or plastic covered steel wire ropes. These wire rope clips are not suitable for use with spiral stand ropes.

Don't use the clips if the clips have:

- Missing marking
- Wrong size in relation to the diameter of wire rope
- Deformation, cracks, or severe corrosion
- Been modified by machining, welding, heat treatment

Certain temperature limits need to be considered. These are defined by the surrounding temperatures to the wire material, the lubricant, and rope terminations.

Following limits:

- -20°C / +100°C without limitation
- Over 100°C or less than -20°C consult the manufacturer.

The distance between clips 'e' (see Figure 1) should be at least 1,5 t and not more than 3 t where t is the width of the bridge (see Figure 2).

When using a thimble in the eye assembly, the first wire rope clip should be placed immediately against the thimble. The bridge should always be placed on the load bearing part of the rope.

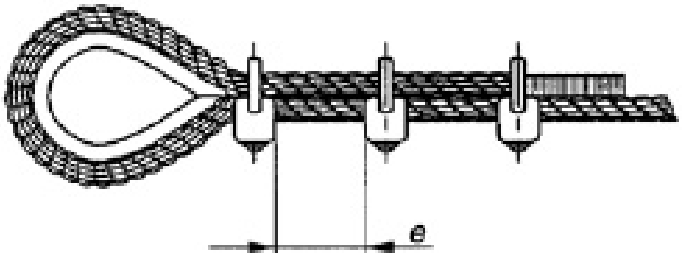

Figure 1

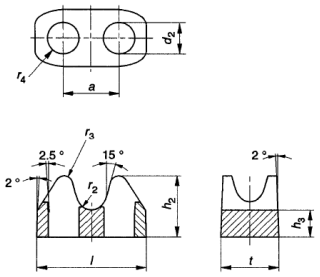

Figure 2

When making the assembly and before bringing into service, the collar nuts should be tightened to the torque given in Table A.

Apply first load to test the assembly. This load should be of equal or greater weight than loads expected in use. Next, check and retighten nuts to recommended torque.

Periodically re-tightening of the nuts can be at 10.000 cycles (heavy usage), 20.000 cycles (moderate usage) or 50.000 cycles (light usage). If cycles are unknown, a time period could be used, e.g. every 3 months, 6 months, annually.

The wire rope end termination should be inspected periodically for cracks, wear, abuse, and general adequacy by a competent person in accordance with national regulations.

Table A gives the recommended number of clips to be used relative to rope size.

Type	Nominal diameter of rope* mm	Tightening torque** Nm	Number of clips
PCTA-5	5	2,0	3
PCTA-6	6,5	3,5	3
PCTA-8	8	6,0	4
PCTA-10	10	9,0	4
PCTA-12	12	20	4
PCTA-14	14	33	4
PCTA-16	16	49	4
PCTA-19	19	68	4
PCTA-22	22	107	5
PCTA-26	26	147	5
PCTA-30	30	212	6
PCTA-34	34	296	6
PCTA-40	40	363	6

Table A

Note: **This equates with the maximum nominal diameter of rope. For intermediate nominal diameters of rope, use the next larger clip size.*
*** Tightening torques are for clips with greased bearing surfaces and nut threads..*

End of use/Disposal
Powertex wire rope clip shall always be sorted / scrapped as general steel scrap. Main material is carbon steel. The supplier will assist you with the disposal, if required

Disclaimer
We reserve the right to modify product design, materials, specifications or instructions without prior notice and without obligation to others.

If the product is modified in any way, or if it is combined with a non-compatible product/component, we do not take responsibility for the consequences in regard to the safety of the product.

POWERTEX

User Manuals

You can always find the valid and updated User Manuals on the web.
The manual is updated continuously and valid only in the latest version.

NB! The English version is the Original instruction.

The manual is available as a download under the following link:
www.powertex-products.com/manuals

Product compliance and conformity

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