

GB Assembly instructions
DK Monteringsanvisning

POWERTEX

Wire Rope Grip PWRG



User Manual



POWERTEX Wire Rope Grip (EN 13411-5) Assembly instructions (GB) (Original instructions)



- Failure to follow the regulations of this mounting instruction may cause serious consequences such as risk of injury.
- Read and understand these instructions before using wire grips.
- Match the same size wire grip to the same size wire rope.
- Do not mismatch POWERTEX wire grips with other brands.

1. Generally description:

Wire rope grip type POWERTEX is approved for lifting only if assembly is carried out according to the instruction manual. The wire rope grip are to be used with 6 and 8 strand steel wire ropes with steel or fibre core with tensile strength up to 1960 N/mm². Correctly mounted the assembly will withstand 80% of the rope's minimum breaking load (MBL).

Not to be used with compacted, hammered or plastic coated steel wire ropes. It is not recommended to use plastic covered ropes for lifting purposes with wire rope grips.

2. Handling

The number of grips needed for a satisfactory assembling, see table below.

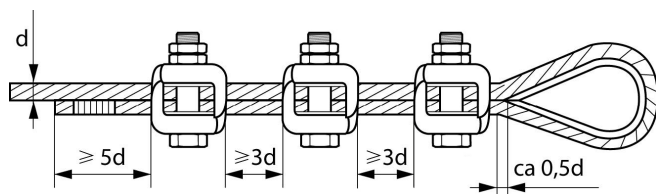
Type	Wire rope dia Ø mm	Class 10.9 Thread M	No. of clamps when lifting *	Torque Nm
PWRG-4	3-4	M5	3	5
PWRG-6	5-6	M6	3	9
PWRG-8	7-8	M6	3	12
PWRG-10	9-10	M8	3	33
PWRG-12	10-12,5	M8	3	33
PWRG-16	13-16,5	M10	3	45
PWRG-20	17-20	M12	3	75
PWRG-25	21-25	M16	3	190
PWRG-35	26-35	M16	4	277

* Minimum number of grips required to fulfill 80% of the rope MBL can vary, and must be according to local regulations.

Preparatory steps:

Before assembling ensure that the grip is well cleaned thoroughly and that screws and nuts are greased.

Assembling:



The screws to be tightened after first use.

The eye to have a thimble suitable for the rope dimension and considering the load of the rope. The grip closest to the thimble to be placed so that the thimble cannot fall out.

Proof load the application with maximum allowed force.



Joining:

Joining of steel wire ropes using grips normally to be done by two end attachments connected with an extension link.

Steel wire ropes may not be joined by overlapping and locked with a grip.

3. Maintenance

The grips are to be further tightened after some time, from a few days up to 3 weeks, depending on operation intensity.

- Before and after use the mounted grips to be checked in regard to shifting, deformation and deterioration.
- Check the mounting regularly, at least every 12 months.

Must be inspected at least once a month and must undergo a complete overhaul at least every 12 months. Please note local rules and regulations must be complied with regards to inspection.

End of use/Disposal

PowerTex wire rope grip shall always be sorted / scrapped as general steel scrap.

Main material is C45/ 40Cr.

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 Wirelåse (EN 13411-5) Monteringsanvisning (DK)



- Manglende overholdelse af reglerne i denne brugs- og monteringsvejledning kan forårsage alvorlige konsekvenser, såsom risiko for skader.
- Læs og forstå disse instruktioner, inden du bruger wirelåsene.
- Match samme størrelse wirelås med samme størrelse wire.
- Kombinér **ikke** POWERTEX wirelåse med andre fabrikater.

1. Beskrivelse:

Wirelåse af typen POWERTEX er godkendt til løft, såfremt montering foretages i henhold til brugsanvisningen. Wirelåsen kan anvendes med 6 eller 8-slåede stålwirer med stål- eller fiberhjerter, med en trådkvalitet på op til 1960 N/mm². Ved korrekt montering kan samlingen klare op til 80% af wirens mindste brudlast. (MBL).

Må ikke anvendes til kompakterede stålwire.
Det anbefales, ikke at anvende plastikbelagte wirer til løfteopgaver med wirelåse.

2. Håndtering

For at opnå en tilfredsstillende sammenspænding, kræves følgende antal låse – i henhold til nedenstående tabel.

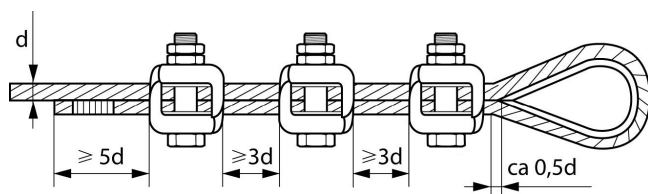
Type	Wire dia. Ø mm	Class 10.9 Gevind	Min. antal wirelåse stk. *	Tilspænding Nm
PWRG-4	3-4	M5	3	5
PWRG-6	5-6	M6	3	9
PWRG-8	7-8	M6	3	12
PWRG-10	9-10	M8	3	33
PWRG-12	10-12,5	M8	3	33
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PWRG-20	17-20	M12	3	75
PWRG-25	21-25	M16	3	190
PWRG-35	26-35	M16	4	277

* I henhold til Arbejdstilsynet (AT-meddelelse nr. 2.02.5). For brug uden for Danmark, kontakt venligst de lokale myndigheder i det pågældende land.

Inden ibrugtagning

Forud for montagen skal man sikre, at låsen er grundigt rengjort og at alle skruer og møtrikker er smurt.

Montage:



Alle skruer skal strammes skiftevis og jævnt.
Skruerne skal strammes efter, når wiren har været belastet.
Wireøjjet skal være monteret med en kovs, der passer til wirens dimensioner og tager hensyn til wirens last. Den lås der sidder tættest på kovsen, skal placeres således, at kovsen ikke kan falde ud.
Foretag en prøvebelastning af funktionen med den maksimalt tilladte last.



Splejsning/ sammenkobling:

Sammenkobling af stålwirer ved brug af wirelåse skal normalt ske ved hjælp af to ende befæstninger, som kobles sammen med et forlængerled.

Stålwirer må ikke kobles sammen ved overlappning og låst med wirelåse.

3. Vedligeholdelse

Alle wirelåse skal efterspændes efter et stykke tid – fra få dage op til 3 uger – afhængig af opgavens intensitet.

- Før og efter brug skal de påmonterede wirelåse efterses hvad angår forskydninger, deformation og slitage.
- Efterse monteringen regelmæssigt – mindst én gang årligt.

Skal efterses mindst én gang om måneden, og skal gennemgå et komplet eftersyn mindst hver 12. måned. Bemærk venligst lokale regler og regulativer skal overholdes med hensyn til eftersyn.

Kassation/Bortskaffelse

PowerTEX wirelåse skal altid sorteres/bortskaffes som generel stålsrot. Materiale er C45/ 40Cr.

Leverandøren vil være dig behjælpelig med bortskaffelse, hvis det kræves.

Ansvarsfraskrivelse

Vi forbeholder os retten til at modificere produktdesign, materialer, specifikationer eller anvisninger uden forudgående varsel og uden forpligtelse over for andre.

Hvis produktet modificeres på nogen måde, eller hvis det kombineres med et ikke-kompatibelt produkt/komponent, påtager vi os intet ansvar for konsekvenserne hvad angår produktets sikkerhed.

CertMax+

The CertMax+ system is a unique leading edge certification management system which is ideal for managing a single asset or large equipment portfolio across multiple sites. Designed by the Lifting Solutions Group, to deliver optimum asset integrity, quality assurance and traceability, the system also improves safety and risk management levels.

CertMax

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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POWERTEX

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