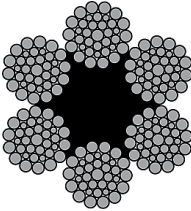
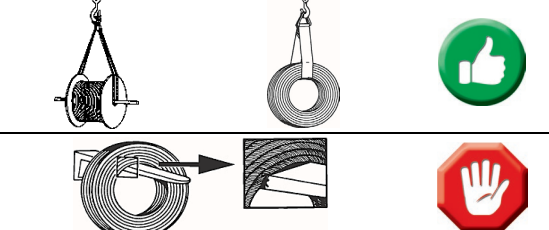

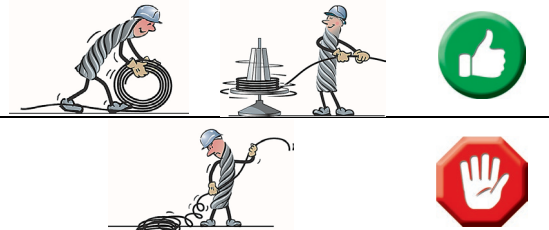

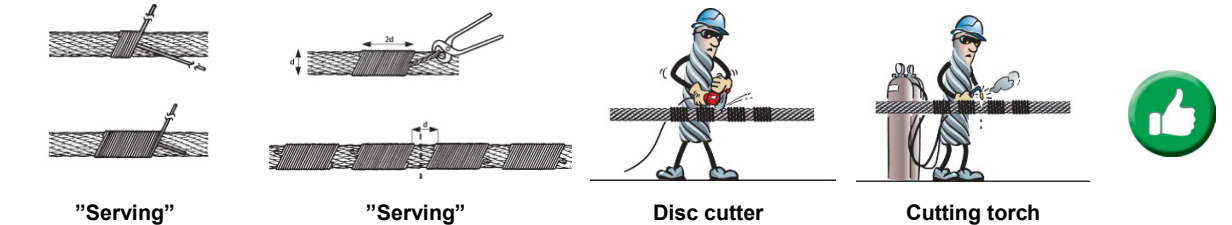


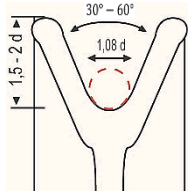

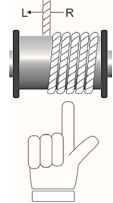
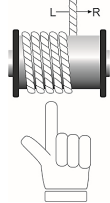
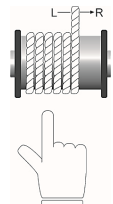
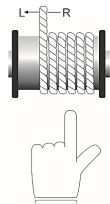


Installation manual for steel wire rope

Original installation manual, issue 8, 2024-12-09

	<p>CERTEX Svenska AB declares under its sole responsibility that delivered steel wire rope is in accordance with standard EN 12385–1 to –10.</p> <p><i>If the customer makes any modification of the product or if the customer combines the product with a non-compatible product/component, CERTEX Svenska AB takes no responsibility for the consequences regarding to the safety of the product.</i></p> <p>For further information, read the EN 12385–3 Steel wire ropes - Safety Part 3: Information for use and maintenance</p>
<p>1. A choice of a steel rope construction A rope construction for an application/facility is designed by the manufacturer regarding to the operation safety and rope service life. Other constructions than stated in the technical documentation should not be used without a consent of the manufacturer. Criteria for choice of ropes and rope end fixings are stated in Swedish standards for the corresponding application/facility.</p> <p>2. Safety factors Criteria for the determination of safety factors specified in standard for the corresponding application/system.</p> <p>4. Rope terminations Rope terminations should be made in accordance with EN 13411–1 to –9. Please note that a rope termination can reduce min breaking load of the rope with up to 20% depending on the termination method. Further please note that the rope termination should be made by a competent and experienced person, or according to instructions prepared by the rope termination designer.</p> <p>3. Splicing of steel ropes Splicing of steel wire ropes shall be performed in accordance with standard EN 13411–2. Note that the splicing according to EN 13411–2 reduces the min breaking load of the rope up to 20%. Splicing/long splicing shall be performed by a competent and experienced person, and/or approved by the rope manufacturer.</p> <p>If a termination/splicing is done by a person not having the right knowledge and experience CERTEX Svenska AB takes no responsibility for any property damage or personal injury arising from the use of the rope.</p> <p>The work with lifting devices and equipment's must be planned, organized and executed in order to prevent hazardous situations.</p> <p>In accordance with national statutory regulations lifting devices and equipment's must only be used by someone well familiar with the work and having theoretical and practical knowledge of safe use.</p> <p>Before the equipment is used the instruction manual must be read. It contains important information about how the equipment will work in a safe and correct way. If the equipment is used in accordance with this instruction manual risks and damages can be avoided.</p> <p>Apart from the instruction manual we refer to existing national regulations on each workplace.</p>	

Lifting and transport		Stocking	 <p>Prevent rope from dust moisture!</p>
Winding		Rewinding	
Cutting	 <p>"Serving" "Serving" Disc cutter Cutting torch</p>		

Installation	  <p>Installing rope under tension, about 10 % of the nominal rope pull.</p>	  <p>Groove of pulley = nominal rope diameter * 1,05 ~1,10</p>
	 <p>Right-hand-lay rope: From right to left</p>	 <p>Left-hand-lay rope: From left to right</p>
 <p>Right-hand-lay rope: From left to right</p>	 <p>Left-hand-lay rope: From right to left</p>	



Please consider.....

- ▶ to follow the standards EN 12385 and EN 12927 in applicable parts
- ▶ that, where appropriate, use the correct end termination
- ▶ that, the terminations often reduces the wire rope min breaking force
- ▶ to follow the recommendations for use and maintenance of wire ropes according to EN 12385-3
- ▶ to follow the recommendations on the service, maintenance, inspection and scrapping of steel wire ropes in cranes according to ISO 4309
- ▶ to store related documents and instructions
- ▶ to visit www.certex.se for more information