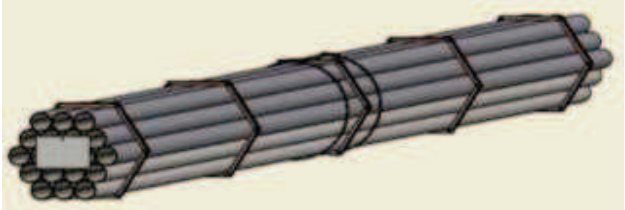












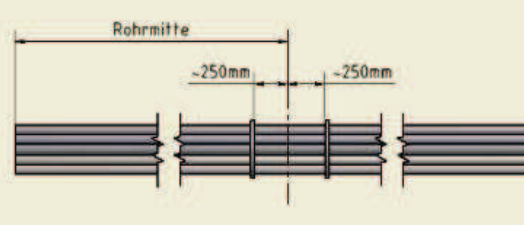
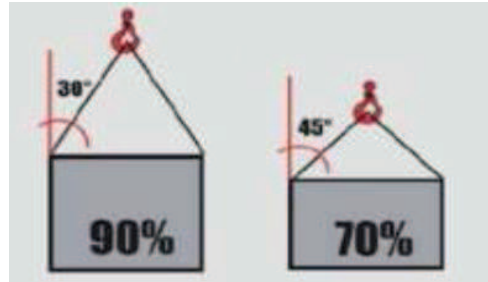


	Fastening of a tube bundle Deliveries to Steins Company	08.08.2022
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The ideal tube bundle	
<p>Tube length: 5000-7000m Bundle weight: max. 2000kg bundle label on the front surface</p> <p>Customize form, packaging, and seal on the requirements!</p> <p>bundles > 2000kg are not accepted!</p>	 <p>ideal: same dimensions of the bundles</p>

Fastening																	
<p>The bundle is fastened with two one-way lifting straps according to DIN60005 with 1000kg* payload (80% in the choker).</p> <p>*The 1000kg payload refers to a bundle weight of max. 1400kg if the one-way lifting straps are fastened in the choker and the angle α is smaller than 30°!</p> <p>At a bundle weight > 1400kg the payload of the lifting straps must be calculated appropriate!</p>	<p>Tabelle 1. Anschlagarten für Einweg-Hebebänder DIN</p> <table><tr><th colspan="4">Tragfähigkeiten in Tonnen</th></tr><tr><th>Direkt</th><th>Schnüggang</th><th>Parallel</th><th>Umgelegt</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>M = 1</td><td>M = 0,5</td><td>M = 2</td><td>M = 1,4</td></tr></table> <p><small>M = Anschlagfaktor für symmetrische Belastung. Die Bemessungstoleranz für Hebebänder oder Seile, die als vertikal angegeben sind, beträgt 10°.</small></p>	Tragfähigkeiten in Tonnen				Direkt	Schnüggang	Parallel	Umgelegt					M = 1	M = 0,5	M = 2	M = 1,4
Tragfähigkeiten in Tonnen																	
Direkt	Schnüggang	Parallel	Umgelegt														
																	
M = 1	M = 0,5	M = 2	M = 1,4														
<p>Fasten the bundle from the middle in the same distance, in each case 100 – 250 mm in the choker.</p> <p>Observe inclination angles!</p>																	

Choose the length of the lifting straps in order that the distance between tube bundle and the crane hook is > 400mm and that the inclination angle is smaller than 30°.



Heavier bundle weight?

In the choker, another lifting strap can be loaded with 80%. At an inclination angle of <30° the bundle weight isn't allowed to exceed 90% of the max. weight.

bundle weight – payload per strap
1400kg – 2500kg = 1500kg payload
2500kg – 3200kg = 2000kg payload

Examples for ideal tube bundles

