

Lehrstuhl für Maschinenelemente und Fördertechnik  
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Lehrstuhl für


Maschinenelemente und Fördertechnik

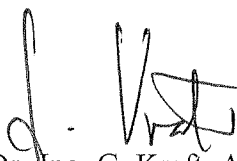
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		<b>Proof of the load capacity of a symmetrical wedge socket clevis ( welded body DIN 15315 )</b>	
		Company: <b>Süther &amp; Schön GmbH</b>	
<b>Rope</b>			
Ø	Construction		Minimum breaking force [kN]
6	HRS-BRUGG 6 9x8-PWRC 1770 U SZ		25,77
<b>Wedge socket G 6, 5 Charge 04/J1</b>			
	Socket body	wedge	pin
Item-no.	SS1 0506 00 000 315	K01 0506 00 000 315	B01 0506 00 000 315
material	S235JR n. DIN EN 10025	GTW 40-05 DIN 1692	9 S Mn Pb 28 K
<b>Static breaking test</b>			
no.	Minimum breaking force $F_{min}$ [kN]	Measured breaking force $F_w$ [kN]	$F_w/F_{min}$ [%]
01.05	25,77	23,47	91,07
02.05	25,77	23,03	89,37
03.05	25,77	23,34	90,57
results	The test samples yielded by breaking of strands at the entry of the socket body. Socket body, wedge and pin do not exhibit visible cracks.		

  
 Dr.-Ing. G. Kraft, AOR