



Lehrstuhl für Maschinenelemente und Fördertechnik
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Süther & Schön GmbH
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		Proof of the load capacity of casted asymmetric wedge socket	
Company: Süther & Schön GmbH			
Rope			
Ø	Construction		Minimum breaking force [kN]
17 mm	CASAR Turbolift (1960 N/mm ²)		274,80
G 500			
	Socket body	wedge	pin
item-no.	KK2 1620 00 000 148	KK2 1617 00 000 148	B01 1620 00 000 148
new item-no.	KK2 1618 00 000 411	KK2 1617 00 000 411	B01 1620 00 000 148
material	GS 26 CrMo 4 heat treated	GS 45	42 CrMo 4 V
Static breaking test			
no.	Minimum breaking force F_{min} [kN]	Measured breaking force F_w [kN]	F_w/F_{min} [%]
142.06	274,80	266,74	97,07
143.06	274,80	261,02	94,99
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.		


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