



Lehrstuhl für Maschinenelemente und Fördertechnik
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March 21, 2007

		Type testing acc. DIN EN 13411 -6 on casted asymmetric wedge socket	
Part 1 (2) Statical test			
Company: Süther & Schön GmbH			
Rope			
Ø	Construction		Minimum breaking force
15	CASAR EUROLIFT (2160 N/mm ²)		219,50
NG 450 GS			
	socket body	wedge	pin
item-no.	KK3 1215 00 000 148	K01 1215 00 000 148	B01 1215 00 000 148
new item-no.	KK3 1315 00 000 411	K01 1215 00 000 411	B01 1215 00 000 148
material	GS 26 CrMo 4V 1	GS 45	Cq 45, heat treated to 10.9
Statical tensile efficiency test			
no.	Minimum breaking force F_{min} [kN]	Measured breaking force F_w [kN]	F_w/F_{min} [%]
84.06	219,50	191,15	87,08
85.06	219,50	199,22	90,76
86.06	219,50	189,15	86,17
results	The 6 samples fulfil termination and wedge security test (6.22) and the deformation test (6.23).In the following tensile efficiency test the 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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