

Lehrstuhl für Maschinenelemente und Fördertechnik
Ruhr-Universität Bochum, D-44780 Bochum

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Fakultät für Maschinenbau

Lehrstuhl für

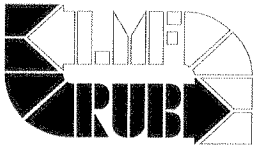
Maschinenelemente und Fördertechnik

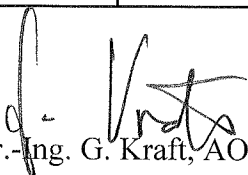
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March 19, 2007

		Type testing acc. DIN EN 13411- 6 on casted assymmetric wedge socket Part 1 (2) Statical test	
		Company: Süther & Schön GmbH	
Rope			
∅	Construction	Minimum breaking force [kN]	
10 mm	CASAR Paraplast (2160 N/mm ²)	100,70	
G 350 GS			
	socket body	wedge	pin
item-no.	KK3 0608 00 000 148	K02 0800 00 000 148	B03 0607 00 000 148
new item-no.	KK3 0610 00 000 411	K02 0800 00 000 148	B03 0607 00 000 148
material	GS 26 CrMo 4V	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} [%]
55b.05	100,70	93,35	92,70
56b.05	100,70	92,30	91,66
results	The 4 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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