

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

Süther & Schön GmbH  
Bonifaciusring 18  
45309 Essen

**Prof. Dr.-Ing. Gerhard Wagner**

Fakultät für Maschinenbau

Lehrstuhl für


Maschinenelemente und Fördertechnik

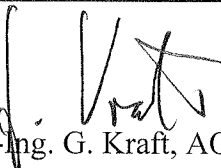
Telefon: +49 (0) 234 / 700-6722, -6723

Telefax: +49 (0) 234 / 7094-161

E-Mail: [sekr@lmf.ruhr-uni-bochum.de](mailto:sekr@lmf.ruhr-uni-bochum.de)

March 23, 2007

		<b>Type testing acc. DIN EN 13411 -6 on casted asymmetric wedge socket</b> <b>Part 1 (2) Statical test</b>	
		<b>Company: Süther &amp; Schön GmbH</b>	
<b>Rope</b>			
∅	Construction		Minimum breaking force
30 mm	CASAR Eurolift ( 1960 N/mm <sup>2</sup> )		817,40
<b>NG 700</b>			
	socket body	wedge	pin
item-no.	KK2 2732 00 000 148	K02 2732 00 000 148	B01 2732 00 000 148
new item-no.	KK2 2730 00 000 411	K02 2732 00 000 411	B01 2732 00 000 148
material	GS 26 CrMo 4V1	GS 45	42 CrMo4 V
<b>Statical tensile efficiency test</b>			
no.	Minimum breaking force $F_{min}$ [kN]	Measured breaking force $F_w$ [kN]	$F_w/F_{min}$ [%]
139.06	817,40	679,40	83,12
140.06	817,40	662,70	81,07
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.		

  
 Dr.-Ing. G. Kraft, AOR