

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

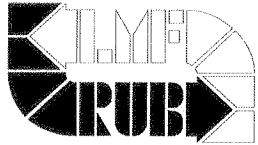
Maschinenelemente und Fördertechnik

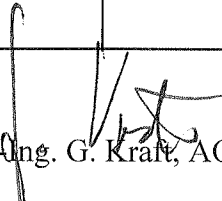
Telefon: +49 (0) 234 / 700-6722, -6723

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

E-Mail: sekr@lmf.ruhr-uni-bochum.de

March 23, 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
18	CASAR Eurolift (2160 N/mm ²)		317,50
NG 500			
	socket body	wedge	pin
item-no.	KK2 1620 00 000 148	K02 1620 00 000 148	B01 1620 00 000 148
new item-no.	KK2 1618 00 000 411	K02 1618 00 000 411	B01 1620 00 000 148
material	GS 26 CrMo 4V1	GS 45	42 CrMo4 V
Statical tensile efficiency test			
no.	Minimum breaking force F_{min} [kN]	Measured breaking force F_w [kN]	F_w/F_{min} [%]
67a.05	317,50	261,03	82,21
68a.05	317,50	257,85	81,21
88.06	317,50	279,34	87,98
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.		


 Dr.-Ing. G. Kraft, AOR