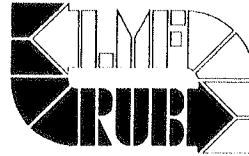




EINGEGANGEN
19. Dez. 2008



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

Prof. Dr.-Ing. Gerhard Wagner

Fakultät für Maschinenbau

Lehrstuhl für

Maschinenelemente und Fördertechnik

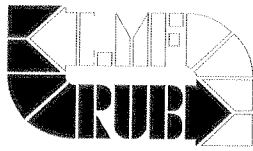
Telefon: +49 (0) 234 / 700-6722, -6723

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

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

Süther & Schön GmbH
Bonifaciusring 18
45309 Essen

November 11, 2008

		Type testing acc. DIN EN 13411 - 7 on symmetrical wedge socket clevis (casted body DIN 15315) Part 2 (2) Fatigue test	
		Company: Süther & Schön GmbH	
Rope			
Ø	Construction		Minimum breaking force F_{min} [kN]
22 mm	9x19 IWRC 1960 U sZ		374,00
NG 25			
	socket body	wedge	pin
item-no	SS1 2125 00 000 315	K01 2125 00 000 315	B01 2125 00 000 315
material	GS 26 CrMo4V	GS 45	S 355 J2G3
Fatigue test			
no.	Minimum force $F_u = 0,15 * F_{min}$ [kN]	Maximum force $F_o = 0,3 * F_{min}$ [kN]	Load cycles
46.08	56,10	112,20	75.000
results	The 2 test samples fulfil the fatigue test (6.24). The non destructive testing of the component parts by dye penetrant method did not exhibit visible cracks.		


 Dr.-Ing. G. Kraft, AOR