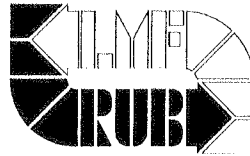




EINGEGANGEN
19. Dez. 2008



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

July 22, 2008

		Type testing acc. DIN EN 13411 - 7 on symmetrical wedge socket clevis (welded body DIN 15315) Part 2 (2) Fatigue test	
Company: Süther & Schön GmbH			
Rope			
Ø	Construction		Minimum breaking force F_{min} [kN]
11 mm	DRAKO 300 T 11,0 U 1570 sZ EGL		79,90
NG 11			
	socket body	wedge	pin
item-no	SS1 0911 00 000 315	K01 0911 00 000 315	B01 0911 00 000 315
material	Q235B	GS 45	Y15
Fatigue test			
no.	Minimum force $F_u = 0,15 * F_{min}$ [kN]	Maximum force $F_o = 0,3 * F_{min}$ [kN]	Load cycles
26.08	11,99	23,97	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 visable cracks.		

Dr.-Ing. G. Kraft, AOR