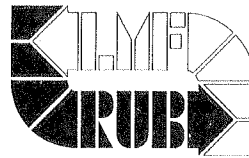




Lehrstuhl für Maschinenelemente und Fördertechnik
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Süther & Schön GmbH
Bonifaciusring 18
45309 Essen



Prof. Dr.-Ing. Gerhard Wagner

Fakultät für Maschinenbau

Lehrstuhl für

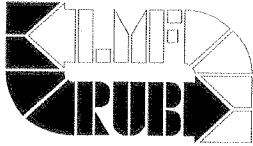
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February 14, 2008

		Type testing acc. DIN EN 13411 -6 on symmetrical wedge socket clevis (welded body DIN 15315) Part 2 (2) Fatigue test	
		Company: Süther & Schön GmbH	
Rope			
∅	Construction	Minimum breaking force F_{min} [kN]	
14 mm	DRAKO 250T 14,0 IWRC 1570 U sZ	133,00	
Wedge socket NG14 H1/07			
	socket body	wedge	pin
item-no	SS1 1214 00 000 315	K01 1214 00 000 315	B01 1214 00 000 315
material	S 235 J2G3	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
52.07	19,95	39,90	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