



Lehrstuhl für Maschinenelemente und Fördertechnik
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		Type testing acc. DIN EN 13411 - 6 on casted asymmetric wedge socket Part 2(2) Fatigue test	
Company: Süther & Schön GmbH			
Rope			
Ø	Construction		Minimum breaking force F_{min} [kN]
10 mm	CASAR Paraplast (2160 N/mm ²)		100,70
Asymmetric wedge socket G 350 GS			
	socket body	wedge	pin
item-no	KK3 0608 00 000 148	K02 0800 00 000 148	B03 0607 00 000 148
new item-no	KK3 0610 00 000 411	K02 0800 00 000 148	B03 0607 00 000 148
material	GS 26 CrMo 4V	GS 45	Cq 45 heat treated to 10.9
Fatigue test			
no.	Minimum force $F_u = 0,15 * F_{min}$ [kN]	Maximum force $F_o = 0,3 * F_{min}$ [kN]	Load cycles
13.06	15,11	30,21	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