

Süther & Schön GmbH
Bonifaciusring 18
45309 Essen

Chair of Machine Parts and
Materials Handling

Building IB 1/127
Universitätsstraße 150, 44801 Bochum

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Type testing according to EN 13411 - 6 on asymmetric wedge sockets			
Part 2 (2) 6.2.4 dynamic test			
Company:		Süther & Schön GmbH	
Rope			
Ø	construction	minimum breaking force	
12,0 mm	PAWO 819 W 1.770 N/mm ²	107,0 kN	
Wedge Socket:		G400 GS	
	socket body	wedge	pin
item no	KK3 1112 00 000 411	K02 0800 00 000 148	B03 1012 00 000 148
material	G 26 Cr Mo 4 V 1	GE 240	42 Cr Mo S 4 QT
Dynamic fatigue test			
no	lower load $F_u = 0,15 * F_{min}$ [kN]	upper load $F_o = 0,3 * F_{min}$ [kN]	load cycles
12 /12	16,05	32,10	75.000
result	The 2 type test samples bear the dynamic fatigue test (6.2.4) without visible cracks on body, wedge and bolt. Crack test, done by Süther & Schön GmbH, shows, that there are no cracks (enclosure).		



Prof. em. Dr.-Ing. G. Wagner

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(valid with signature)

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APPROACHE Underground: U35 | Car: A43, departure (19) Bochum Witten