

Lehrstuhl für Maschinenelemente und Fördertechnik  
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Fakultät für Maschinenbau

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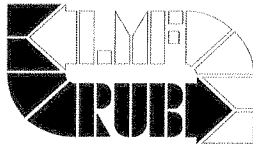
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Süther & Schön GmbH  
Bonifaciusring 18  
45309 Essen

		<b>Type testing acc. DIN EN 13411 -6 on casted asymmetric wedge socket</b> <b>Statical test</b>	
		<b>Company: Süther &amp; Schön GmbH</b>	
<b>Rope</b>			
∅	Construction		Minimum breaking force
7 mm	CASAR Paraplast ( 2160 N/mm <sup>2</sup> )		48,90
<b>G 350 GS</b>			
	socket body	wedge	pin
item-no	KK3 0608 00 000 148	K02 0607 00 000 148	B03 0607 00 000 148
new item-no	KK3 0610 00 000 411	K02 0607 00 000 148	B03 0607 00 000 148
material	GS 26 CrMo 4V	GS 45	Cq 45 heat treated to 10.9
<b>Statical tensile efficiency test</b>			
no.	Minimum breaking force $F_{min}$ [kN]	Measured breaking force $F_w$ [kN]	$F_w/F_{min}$ [%]
80.05	48,90	45,97	94,01
81.05	48,90	48,51	99,20
results	The 4 samples fulfil termination and wedge security test ( 6.22 ) and the deformation test (6.23). In the following tensile efficiency test the samples yielded by breaking of strands at the entry of the socket body. Socket body, wedge and pin do not exhibit visible cracks.		

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