



Süther & Schön GmbH  
Bonifaciusring 18  
45309 Essen

**Chair of Machine Parts and  
Materials Handling**

Building IB 1/127  
Universitätsstraße 150, 44801 Bochum

**PROF. DR.-ING. JAN SCHOLTEN**

Fon +49 (0)234/32-28723  
Fax +49 (0)234/32-14161  
sekretariat@lmf.rub.de

<b>Type testing according to EN 13411 - 7 on symmetric wedge sockets</b>			
<b>Part 2 (2) 6.2.3 dynamic test</b>			
Company:		Süther & Schön GmbH	
<b>rope</b>			
Ø	construction	minimum breaking force	
7,5 mm	TEPE 8 x 19 Seale -IWRC 1960 N/mm <sup>2</sup>	39,2 kN	
wedge socket:		G280	
	socket body	wedge	pin
item no	KK1 0407 00 000 148	K00 0407 00 000 148	B01 0407 00 000 148
material	G 20 Mn5 N	A 380	9SMn28K
<b>dynamic fatigue test</b>			
no	lower load $F_u = 0,15 \cdot F_{min}$ [kN]	upper load $F_o = 0,3 \cdot F_{min}$ [kN]	load cycles
52 /12	5,88	11,76	75.000
result	The 2 type test samples bear the dynamic fatigue test (6.2.3) without visible cracks on body, wedge and bolt. Crack test, done by Süther & Schön GmbH, shows, that socket body, wedge and pin have no cracks (enclosure).		

Dipl. Ing. A. vom Hofe

08 November 2012

(valid with signature)

ADDRESS Universitätsstraße 150 | 44801 Bochum, Germany

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

WWW.LMF.RUB.DE