

Süther & Schön GmbH  
Bonifaciusring 18  
45309 Essen

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

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

Type testing of non-standardised wedge sockets			
Standard	based on DIN EN 13411-6		
Chapter	6.2.4 Fatigue test		
Client	Süther & Schön GmbH		
Wedge socket	belt socket NG 60 short		
Belt			
Width	Denomination	Min. breaking force $F_{min}$	
60,0 mm	XHP II	92.00 kN	
Wedge socket			
	Socket body	Wedge	Pin
Item no.	RG1 0060 KA 002 SSN	K00 0060 00 000 SSN	B01 0075 KA 000 SSN
Material	G20Mn5N	AlSiCu3	8.8
Fatigue test			
No.	Min. cycle force = $0.15 \cdot F_{min}$	Max. cycle force = $0.3 \cdot F_{min}$	Load cycles
21/17	13.80 kN	27.60 kN	75,000
Annotation	The test was in accordance with DIN EN 13411-6.		
Result	The fatigue test (6.2.4) did not lead to any signs of permanent deformations or indications of cracks. The crack test was carried out by Süther & Schön GmbH (annex). Hence the samples meet the requirements of 5.3.3 and the test has been passed.		



M.Sc. Milan Peschkes

19 October 2017

(valid only if signed)