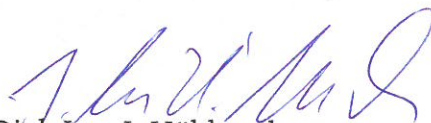


Süther & Schön GmbH
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45309 Essen

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 33 medium		
Belt			
Width	Denomination	Min. breaking force F_{min}	
33,0 mm	Polyrope	40.00 kN	
Wedge socket			
	Socket body	Wedge	Pin
Item no.	RG1 0033 00 185 SSN	K00 0033 00 000 SSN	B01 0030 00 000 SSN
Material	G 20 Mn 5	AlSi9Cu3	8.8
Fatigue test			
No.	Min. cycle force = $0.05 \cdot F_{min}$	Max. cycle force = $0.5 \cdot F_{min}$	Load cycles
43/16	2.00 kN	20.00 kN	80,000
Annotation	With the exception of the following points the test was in accordance with DIN EN 13411-6: Increased test loads for proving an advanced loading capacity (cycle force from 1/24 to 1/12 of F_{min} , 2,000,000 cycles). [standardised test loads (for comparison): cycle force from 15% to 30% of F_{min} , 75,000 cycles].		
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.		


Dipl. Ing. J. Höhbusch
11 November 2016
(valid only if signed)