

Süther & Schön GmbH
Bonifaciusring 18
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 NG40 with internal screw thread		
Belt			
Width	Denomination		Min. breaking force F_{min}
40,0 mm	XHP II		59.80 kN
Wedge socket			
	Socket body	Wedge	Threaded rod
Item no.	RG1 0040 00 GE0 SSN	K00 0040 00 000 SSN	GS5 0016 00 xxx SSN
Material	G 20 Mn5 N	AlSiCu3	8.8
Fatigue test			
No.	Min. cycle force = $0.15 \cdot F_{min}$	Max. cycle force = $0.3 \cdot F_{min}$	Load cycles
19/19	8.97 kN	17.94 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.		

(valid only if signed)


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