Süther & Schön GmbH
Bonifaciusring 18
45309 Essen

Type testing of asymmetric wedge sockets

Standard	based on DIN EN 13411-6		
Chapter	6.2.4 Fatigue test		
Client	Süther & Schön GmbH		
Wedge socket	wedge socket NG 14.45		

Rope

Diameter	Denomination	Min. breaking force F_{min}
6,5 mm	Brugg CTP 6,5 G2	23.60 kN

Wedge socket

	Socket body	Wedge	Threaded rod
Item no.	KG1 0608 00 000 SSN	K01 0600 00 000 SSN	GS1 0010 00 XXX SSN
Material	G 20 Mn 5	GE 240	8.8

Fatigue test

No.	Min. cycle force = 0.05*Fmin	Max. cycle force = 0.5*Fmin	Load cycles
32/17	1.18 kN	11.80 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 Fmin, 2,000,000 cycles). [standardised test loads (for comparison): cycle force from 15% to 30% of Fmin, 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.		

M.Sc. Milan Peschkes

04 December 2017

(valid only if signed)