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| Type testing of asymmetric wedge sockets | | | |
|---|--|--|-------------------------------|
| Standard | according to 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 | BEKAERT Flexisteel 7x7 + 7x19 W 1770 N/mm ² | | 28.00 kN |
| Wedge socket | | | |
| | Socket body | Wedge | Threaded rod |
| Item no. | KG1 0608 00 000 SSN | K00 0600 00 000 SSN | GS1 0010 00 XXX SSN |
| Material | G 20 Mn 5 | GE 240 | 8,8 |
| Fatigue test | | | |
| No. | Min. cycle force = $0.05 \cdot F_{min}$ | Max. cycle force = $0.5 \cdot F_{min}$ | Load cycles |
| 46/16 | 1.40 kN | 14.00 kN | 80,000 |
| Annotation | 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
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(valid only if signed)