

Süther & Schön GmbH
Bonifaciusring 18
45309 Essen

Research Group for Off-Road Machines

Building IB 1/127
Universitätsstraße 150, 44801 Bochum

PROF. DR.-ING. JAN SCHOLTEN

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

| Type testing comparable to EN 13411 - 6 on belt sockets | | | |
|---|--|---------------------|------------------------|
| Part 1 (2) 6.2.5 efficiency test on belttermination | | | |
| Company: | | Süther & Schön GmbH | |
| belt | | | |
| size | name | | minimum breaking force |
| 50,0 mm | XHP II | | 73,6 kN |
| belt socket: | | NG 50 | |
| | socket body | wedge | pin |
| item no | RG1 0050 00 000 SSN | K00 0050 00 000 SSN | B01 0050 00 000 SSN |
| material | G20Mn5N | AlSi9Cu3 | quality 8.8 |
| statical tensile efficiency test | | | |
| no | measured breaking force Fw [kN] | | Fw/Fmin [%] |
| 29 /13 | 67,74 | | 92,04 |
| 30 /13 | 68,34 | | 92,85 |
| result | In the tensile efficiency test (6.2.5), the samples fulfill the requirements (5.3.4) that efficiency hast to be more than 80%. | | |



Dipl. Ing. A. vom Hofe

29 May 2013

(send with signature)

ADDRESS Universitätsstraße 150 | 44801 Bochum, Germany

APPROACHE Underground: U35 | Car: A43, departure (19) Bochum Witten

WWW.BMT.RUB.DE