

Süther & Schön GmbH
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Research Group for Off-Road Machines

Building IB 1/127
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Type testing comparable to EN 13411 - 6 on belt sockets			
Part 2 (2) 6.2.4 dynamic test			
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
dynamic fatigue test			
no	lower load $F_u = 0,15 * F_{min}$ [kN]	upper load $F_o = 0,3 * F_{min}$ [kN]	load cycles
31 /13	11,04	22,08	75.000
result	The 2 type test samples bear the dynamic fatigue test (6.2.4) without visible cracks on body, wedge and bolt. Crack test, done by Süther & Schön GmbH, shows, that there are no cracks (enclosure).		



Dipl. Ing. A. vom Hofe

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(valid with signature)

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