

Süther & Schön GmbH
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Research Group for Off-Road Machines

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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
75 mm	XHP11		110,4 kN
Belt NG75			
	socket body	wedge	pin
item no	RG1 0075 00 000 SSN	K00 0075 00 000 SSN	B01 0075 00 000 SSN
material	G 20 Mn5 N	226 D EN AC AlSi9Cu3 (Fe)	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
40 /13	16,56	33,12	75.000
result	The 2 type test samples bear the dynamic fatigue test (6.2.4) without visible cracks on body, wedge and threadrod. Crack test, done by Süther & Schön GmbH, shows, that there are no cracks (enclosure).		



Dipl.-Ing. J. Höhbusch

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(valid with signature)

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