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Type testing of terminations for polymer belts with steel-wire cords			
Termination	Type	Belt socket similar to DIN EN 13411-6	
	Name	belt socket NG 50 GE	
Standard	DIN EN 13411-6		
Chapter	6.2.5 Tensile efficiency test		
Client	Süther & Schön GmbH		
Belt			
Width	Denomination		Min. breaking force $F_{\min}$
50 mm	Polyrope DP		60.00 kN
Termination			
	Socket body	Wedge	Threaded rod
Item No.	RG1 0050 GE 000 SSN	K00 0050 00 GE0 SSN	GS5 0016 00 XXX SSN
Material	G 20 Mn5	AlSi9Cu3	8.8
Tensile efficiency test			
No.	Breaking force F_w		Termination efficiency $F_w/F_{\min}$
51/21	64,42 kN		107,37 %
52/21	62,47 kN		104,12 %
Annotation	The test was in accordance with DIN EN 13411-6.		
Result	The tensile efficiency test (6.2.5) showed that both samples obtained the required termination efficiency of 80% (5.3.4). Hence the test has been passed.		

(valid only if signed)


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