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## Metal tension test Report

Material: Mn18Cr2 Product: Mantle and Concave

Chemical element:	C	Mn	Si	P	S	Cr	Mo	Ni	Cu
Furnace No.:	1.24	18.58	0.41	0.034	0.005	2.16	0.01	0.029	0.042
	1.29	18.79	0.42	0.029	0.005	2.18	0.01	0.027	0.052

	Sample No.	Diameter	Diameter after fracture	Original gauge length	Gauge length after fracture	Upper yield strength	Yield strength	Force Max	Tensile strength
		mm	mm	mm	mm	MPa	MPa	kN	MPa
No.1	SD7117	14	12	70	98	765	780	124.96	810
No.2	SD7110	14	11.5	70	103	769	786	125.77	815

	Named non proportional extension strength	Named total extension strength	Modulus of elasticity	Elongation after fracture	Reduction of area
	MPa	MPa	MPa	%	%
No.1	435	435	5478	40	26.5
No.2	435	435	5335	47	32.5

Prepared by: Linjing Tao  
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