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Table 1 Chemical compositions of steels examined (mass%) Nb, Ti, B 0.015 0.015 0.034 Tr. Tr. Extremely low carbon bainitic steel 0.009 0.26 1.99 0.21 0.016 0.014 0.026 1.08 Conventional low alloy steel (SCM435) 0.34 0.22 0.80 1 000 300 ි 800 දි 600

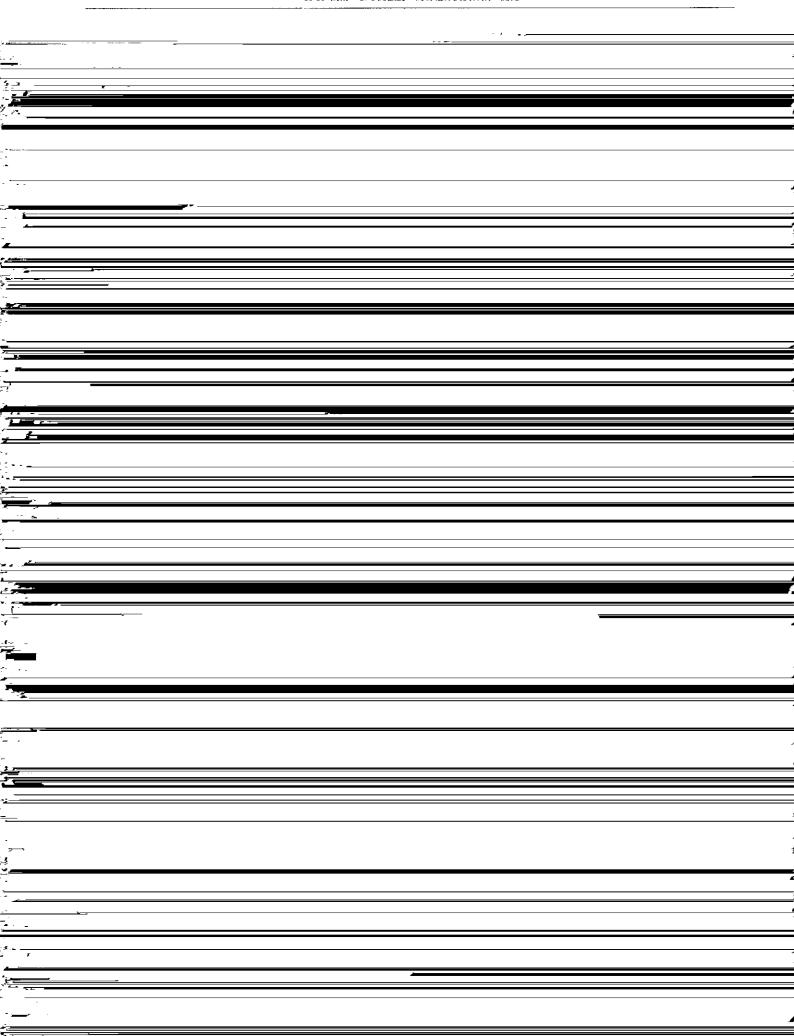
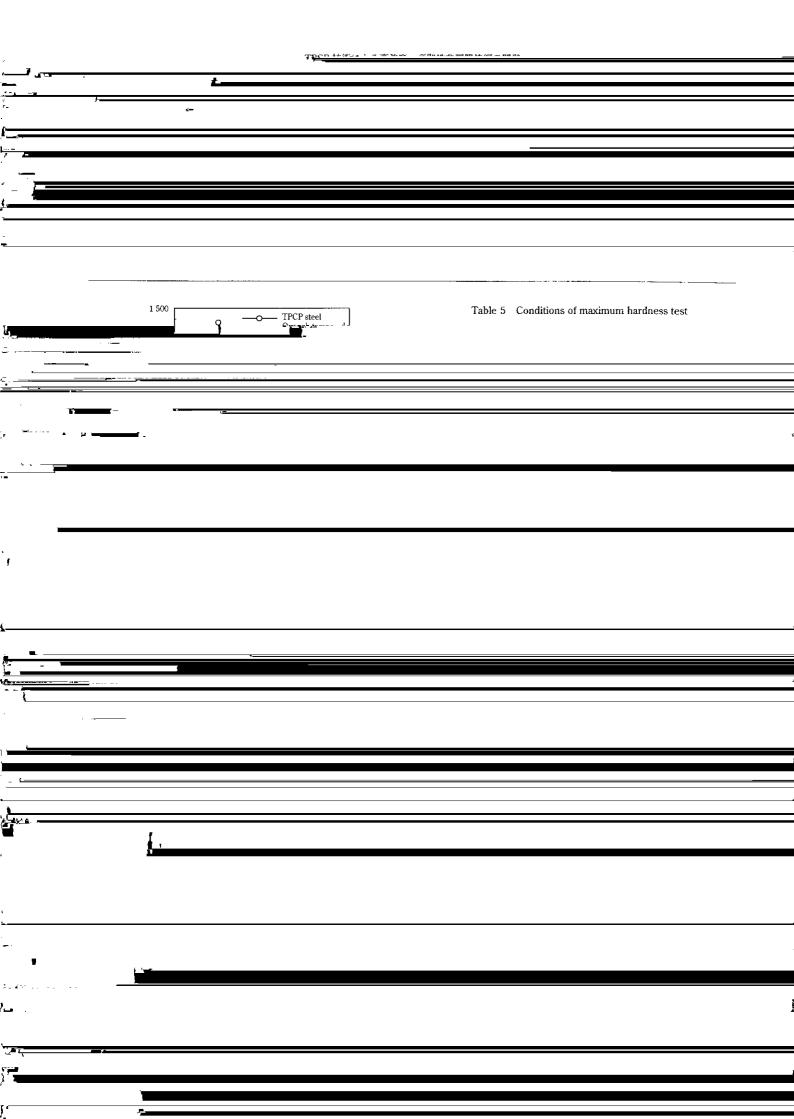


Table 3  $\,$  Mechanical properties of the TPCP steel bar and the quench-tempered SCM435  $\,$ 

. 4.140.4.100	Surface*	730	840	87	26	74
TPCP steel	1/4D	708	818	87	25	72
	1/2D	689	813	85	22	66
	Surface*	644	820	79	23	62
Quench-tempered SCM435	1/4D	638	811	79	22	59
	1/2D	636	807	79	20	52

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\*15 mm inside from surface



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