

Method for thermo-deformation processing of slabs with a thickness of 51–100 mm made of low-carbon unalloyed steel includes heating and holding the slabs, rough and finish rolling stages, followed by final cooling. The finishing stage is performed with a total reduction of 15–20% of the slab thickness and is completed at a metal temperature of: $T=[1075 \cdot (h)^{-0.06}] \pm 10 \text{ }^{\circ}\text{C}$, where h is the specified plate thickness, in mm. Cooling is performed outdoors.