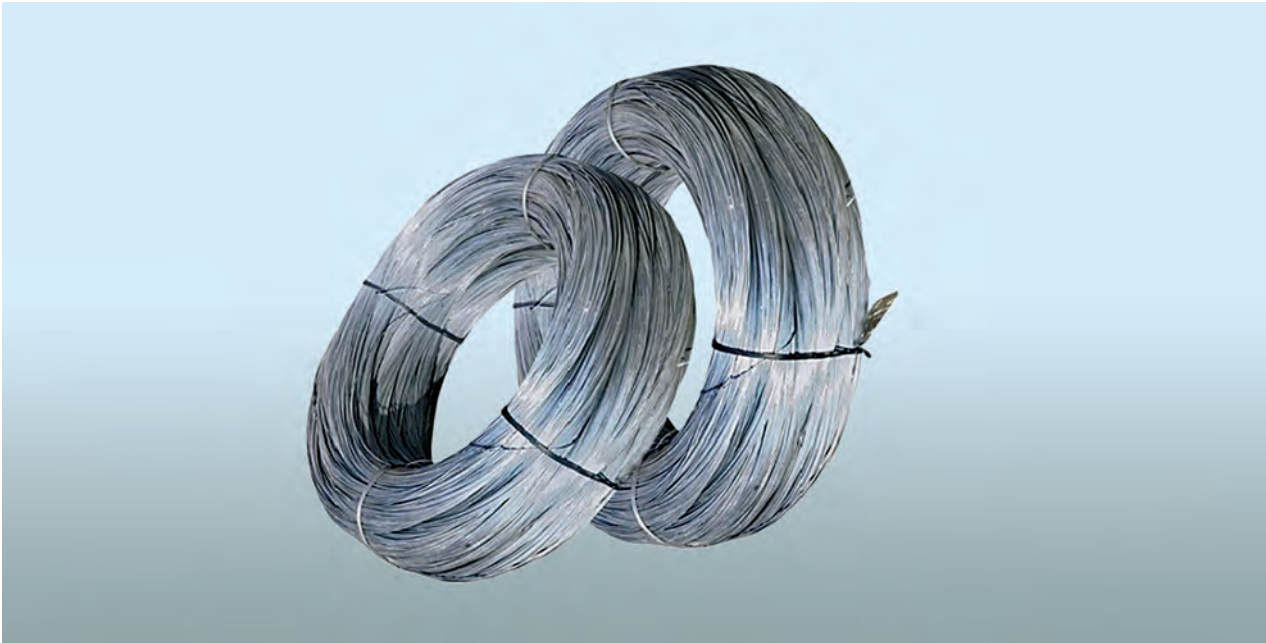


TECHNOLOGY FOR PRODUCTION OF WIDE-APPLICATION WIRE ROD



Round-section rolled wire

Areas of Application

Wire rod for manufacture welding materials and metal products

Advantages

The proposed technology enables producing wire from the rod by direct drawing without prior annealing operations

Specification

The high-carbon type is used to produce steel ropes for critical structures; the low-carbon SAE1005-1010 type with guaranteed mechanical properties enables drawing wires with a diameter from 0.8 to 1.0 mm at optimal rate without additional softening heat treatment; the welding type with guaranteed mechanical properties enables drawing wires with a diameter from 0.8 to 1.0 mm at optimal rate without additional softening heat treatment; the construction type is designed for cold upset

Stage of Development. Suggestions for Commercialization

IRL8, TRL8
BTechical specifications for steel wire rod heat treatment modes and for steel composition

IPR Protection

IPR3

Contact Information

Oleksii Ye. Merkulov, Iron and Steel Institute of Z.I. Nekrasov of the NAS of Ukraine;
+38 056 790 05 15, e-mail: office.isi@nas.gov.ua