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KES

Carbon Steel Wire Rods for Cold Forging

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1. Scope of Application

This standard specifies the carbon steel wire (hereinafter referred to as the "wire") used for manufacturing carbon steel wire for cold forging.

2. Type and Symbol

Type of wire shall be classified into 6 types of rimmed steel, 10 types of alumi-killed steel and 21 types of killed steel, and the symbols are as shown in Table 1.

3. Chemical Composition

Chemical compositions of the wires are in accordance with sample analysis and their values are as shown in Table 1.

4. External Appearance and Dimension

4.1 The wires shall not have harmful defects.

4.2 Standard diameters of the wire are as shown in Table 2.

4.3 Tolerance and deviation in diameter of the wire are as shown in Table 3.

5. Depth of Decarburization Layer

In SWRCH 30K-50K or in case there is Kia's specification, average depths of decarburization layer are as shown in Table 4.

6. Test

6.1 Analysis test

6.6.1 Sampling methods of sample analysis test piece shall conform to the regulation 3 of KES B-A015.