

1. DESCRIPTION

Weldable steel wire rod in coils for cold rolling and drawing. Chemical composition according to standard ASTM A 510M - SAE 1006, ISO16120-2 C4D and EN 10025-2 S235JR.

2. CHEMICAL COMPOSITION ON PRODUCT

	C %	Mn %	Si %	P %	S %
min	-	0.30	-	-	-
max	0.06	0.45	0.12	0.030	0.030

Permissible deviations of product analysis according to ASTM A 510M, ISO16120-2 and EN 10025-2.

3. DIMENSIONS, FINISH AND MECHANICAL PROPERTIES

Diameter (mm)	5,5 ÷ 16	18 ÷ 20
Tensile strength (MPa)	380 ÷ 430	360 ÷ 410
Yield strength (MPa)	≥ 235	≥ 225
Elongation A5 (%)	≥ 36	≥ 36
Max variation in Ø (mm)	± 0,25	± 0,35
Max out-of-round (mm)	0,40	0,56

Variations in Diameter and Out-of-round according to ASTM A 510M and ISO 16124 grade T2.

Finish and appearance: according to ASTM A 510M, ISO16120-2 parts 4.3 and 4.4 and EN10221 class A.

4. STANDARD PACKING

In coils up to approx. 2600 kg, inside diameter > 800 mm, outside diameter 1200 ± 50 mm, maximum length 1950 mm, tied with 4 wire rods of 7 mm diameter.

5. STANDARD IDENTIFICATION

Each coil with label reporting: Manufacturer, heat number, nominal diameter, trade name, steel quality (grade), CE marking (only for diameter range 5,5 ÷ 16mm), internal code and production date.

6. STANDARD CERTIFICATION.

On demand MILL TEST REPORT showing mechanical and chemical according to EN 10204 3.1 and for diameter range 5,5 ÷ 16mm the Declaration of Performance according to CPR (Reg UE 305/2011).

