

1. DESCRIPTION

Weldable steel wire rod in coils suitable for cold drawing or rolling to produce reinforcing steel wire (mesh quality). Material according to the standard ASTM A510M SAE 1008.

2. CHEMICAL COMPOSITION ON PRODUCT

	C %	Mn %	Si %	P %	S %	Ceq %
min	0.03	0.30	0.07	-	-	-
max	0.10	0.50	0.15	0.040	0.050	0.45

Formula $C_{eq} = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$.

Permissible variations for product analysis according to ASTM A 510M Table 7.

3. MECHANICAL AND DIMENSIONAL PROPERTIES

Tensile strength R_m (MPa): ≤ 470 .

Standard diameter range: 5.5 – 16 mm.

Diameter tolerance and out-of-round: according to ASTM A510.

Surface quality: absence of defects visible with naked eye.

Internal quality: absence of defects that prejudice the use.

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, steel quality (grade), product code and date of rolling.

6. STANDARD CERTIFICATION

On demand certificate 3.1 according to EN 10204.

