



WIRE ROD Fe41

DESCRIPTION

Weldable steel wire rod in coils suitable for cold rolling to produce steel wire for concrete.

HEAT CHEMICAL COMPOSITION						
	C%	Mn%	Si%	P%	S%	Ceq %
min	0.03	0.35	-	-	-	-
max	0.12	0.65	0.25	0.050	0.050	0.45

Permissible deviations of product analysis according to UNI 5598-71
Formula $C_{eq} = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$

MECHANICAL AND DIMENSIONAL PROPERTIES	
Tensile strength	$R_m \text{ (N/mm}^2\text{)} \leq 490$
Standard diameter range	5.5 ÷ 16 mm
Diameter tolerance and ovality	according to UNI 5598-71 (DIN 59110)
Surface quality	absence of defects visible with naked eye
Inner quality	absence of defects that prejudice the use

STANDARD PACKAGING

In coils of about 2000 kg, inside diameter \approx 800 mm, outside diameter \approx 1200 mm, minimum 3 ties of wire rod 6 mm diameter.

STANDARD IDENTIFICATION

Each coil with label reporting: Manufacturer, heat number, nominal diameter, steel quality (grade).

STANDARD CERTIFICATION

On demand document according to EN 10204.



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