

## 1. DESCRIPTION

Weldable steel wire rod in coils for drawing and galvanization according to ISO 16120-4 C42D2.

## 2. HEAT CHEMICAL COMPOSITION

	C %	Mn %	Si %	P %	S %	Cr %
min	0.40	0.50	0.15	-	-	-
max	0.44	0.70	0.30	0.020	0.025	0.10

Chemical elements not listed above and permissible deviations of product analysis according to ISO16120-2.

## 3. MECHANICAL AND DIMENSIONAL PROPERTIES

D mm	Ovality mm	Z %	Rm MPa	
			min	max
5.5 ± 0.20	Max 0.32	≥ 30	700	750

Permissible variation for ultimate tensile strength according to ISO 16120-4 par. 5.8.

Diameter tolerance and out-of-round according to ISO 16124 grade T3.

Any geometric defect regarding the tail of the coils could occur within a distance from the end of wire rod not greater than those included in ISO 16124 Table 11.

## 4. GENERAL QUALITY PROPERTIES

Internal soundness and surface quality, depth of surface discontinuities, depth of decarburization, non-metallic inclusions, core segregation and microstructure according to ISO 16120-4.

## 5. STANDARD PACKING

In coils up to approx. 2500 kg, inside diameter about 800 mm, outside diameter about 1200 mm, maximum length 1900 mm, tied with wire rods.

## 6. STANDARD IDENTIFICATION

Each coil with label reporting: Heat number, nominal diameter, steel quality (grade), weight and date of rolling.

Additional colored label to distinguish different heats.

## 7. MINIMUM PRODUCTION LOT

Minimum production lot for each diameter corresponding to 150 t.

## 8. STANDARD CERTIFICATION

On demand Inspection Certificate according to EN 10204 3.1.



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