

# SAE 1006 and SAE 1008 wire rod for hot dip galvanizing

## Product description

Low carbon silicon alloyed wire rod for drawing and hot dip galvanizing.

## Application

Wire rod is used for drawing without preliminary or intermediate heat treatment. The chemical composition of steel helps achieve optimal parameters for wire rod to be used for the production of galvanized wire and facilitates high adhesion of galvanized coating with base metal. Heat treatment in the wire rod mill line ensures high quality products, perfect drawing properties, and high mechanical properties.

## Product parameters

Low carbon SAE 1006 and SAE 1008 wire rod for galvanized wire production is manufactured by Yenakiieve Iron and Steel Works according to ASTM A510M. Marking tags specify the wire rod producer, steel grade, heat number, wire rod diameter, and wire rod coil weight. Coils are strapped with packaging wire rod 7.0 mm in diameter with four radial straps. The ends of packaging wire rod should be mechanically twisted.

Wire rod diameter	5.5-13.0 mm
Coil weight	1,800-2,000 kg (95%) 800-1,800 kg (5%)
Outer diameter of wire rod coil	1,200-1,400 mm
Inner diameter of wire rod coil	800-900 mm
Height of wire rod coil	1,450-1,550 mm

## Chemical composition and mechanical properties

Steel grade	Chemical composition, %					Tensile strength, N/mm <sup>2</sup> (max)	Elongation, % (min)
	C	Mn	Si	P, max	S, max		
SAE 1006	Max 0.08	0.40-0.55	0.15-0.30	0.030	0.015	420	37
SAE 1008	Max 0.10	0.40-0.55	0.15-0.30	0.030	0.015	430	35

Note. It is possible to supply wire rod with different chemical composition and mechanical properties. Upon the request of the buyer, 0.004-0.010% boron can be added.

### Segment development

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