

CHARACTERISTICS	
TYPE:	Hot-Rolled Wire Rod
STEEL GRADE:	1) SAE 1006 according to ASTM A510M 2) SAE 1008 according to ASTM A510M 3) SAE 1010 according to ASTM A510M 4) ELECTRODES (USD 7) according to DIN 17145 5) S235JR acc. EN10025 (RSt 37-2 according to DIN 17100)
FORM - DIAMETER:	Coils diameters from Ø5.5 to Ø16mm
COIL WEIGHT:	Approximately 1,250 to 1,450kg
DIMENSIONS, WEIGHTS & TOLERANCES:	According to DIN 59110

CHEMICAL COMPOSITION OF WIRE ROD STEEL GRADES									
STEEL GRADE	C (%) max	Mn (%) max	S (%) max	P (%) max	Si (%) max	Cr (%) max	Ni (%) max	Cu (%) max	TYPICAL USES
SAE 1006	0.080	0.300 - 0.400	0.025	0.020	0.080	0.100	0.100	0.150	Black & galvanized wires, small nails
SAE 1008	0.090	0.300 - 0.500	0.030	0.020	0.100	0.150	0.150	0.250	Black & galvanized wires, nails, galvanized fencing mesh
SAE 1010	0.100	0.400 - 0.600	0.040	0.025	0.150	0.200	0.200	0.350	Concrete reinforcing light mesh, nails, galvanized fencing mesh
ELECTRODES	0.090	0.400 - 0.600	0.025	0.020	0.050	0.100	0.100	0.150	Coated welding electrodes (according to DIN 17145 / USD7)
S235JR	0.120	0.400 - 0.650	0.040	0.025	0.200	0.200	0.200	0.400	Concrete reinforcing wire mesh

DIMENSIONS, WEIGHTS AND TOLERANCE OF WIRE ROD				
DIAMETER d (mm)	PERMISSIBLE DEVIATION (mm)	NOMINAL CROSS-SECTION (cm ²)	NOMINAL WEIGHT (Kg/m)	PERMISSIBLE OUT-OF-ROUNDNESS (mm)
5.5	± 0.3	0.238	0.187	0.480
6.0	± 0.3	0.283	0.222	0.480
6.5	± 0.3	0.332	0.260	0.480
7.0	± 0.4	0.385	0.302	0.640
8.0	± 0.4	0.503	0.395	0.640
9.0	± 0.4	0.636	0.499	0.640
10.0	± 0.4	0.785	0.617	0.640
11.0	± 0.4	0.950	0.746	0.640

12.0	± 0.4	1.130	0.888	0.640
14.0	± 0.4	1.540	1.210	0.640
16.0	± 0.5	2.010	1.580	0.800

