

Wire Rod specification sheet

Mechanical and electrical properties

Designation				Min. Conduct. (% IACS)	Max. Resist. (nOhm - m)
EN1715	HA-Temper.	UTS-Target (MPa)	Elongation (%)**		
O	HA6	MAX. 75*	25	63.3	27.25
H11	HA8	82.5	15	61.9	27.85
H11	HA8	87.5	15	61.9	27.85
H11	HA8	92.5	15	61.9	27.85
H12	HA10	97.5	12	61.5	28.01
H12	HA10	102.5	12	61.5	28.01
H12/13	HA10/11	107.5	10	61.5	28.01
H13	HA11	112.5	10	61.5	28.01
H13/14	HA11/12	117.5	8	61.5	28.01
H14	HA12	122.5	8	61.5	28.01
H14	HA12	127.5	8	61.5	28.01

* Homogenized

** The elongation is given as approx. values and is not corresponding to EN1715

*** Some tolerances does not correspond to EN1715

Designation		UTS- range (MPa)	UTS-targets (MPa)										
HA- Temper	EN 1715		Max. 75	82.5	87.5	92.5	97.5	102.5	107.5	112.5	117.5	122.5	127.5
HA6	O	60-80											
HA8	H11	80-95											
HA10	H12	95-110											
HA11	H13	105-120											
HA12	H14	115-130											

Alloys Designation EN1715		
Chemical	Numerical	Hydro Standard
AW-EAI 99.7	AW-1370	137015
AW-EAI 99.7	AW-1370	137011
AW-EAI 99.7	AW-1370	137006
AW-EAI 99.7	AW-1370	137005
AW-EAI 99.7	AW-1370	137005
AW-EAI 99.7	AW-1370	137004
AW-EAI 99.5	AW-1050A	105041
AW-EAI 99.5	AW-1050A	105045

Dimensions and weight

Rod Diameters and Tolerances			
Diameter target (mm)	Lower Tolerance (mm)	Upper Tolerance (mm)	Ovality (mm)
9.5	9.0 (5%)	10.0 (5%)	0.4 (4%)
12.0	11.6 (5%)	12.6 (5%)	0.5 (4%)
15.0	14.2 (5%)	15.8 (5%)	0.6 (4%)
19.0	18.0 (5%)	20.0 (5%)	0.8 (4%)
25.0	23.8 (5%)	26.2 (5%)	1.0 (4%)
30.0	28.5 (5%)	31.5 (5%)	1.2 (4%)

Coil Inner Diameter = 540 mm