RI
Continuous Inductive Inline Annealer

NIEHOFF GRUPPE

RI

Increase in quality:

- excellent working and processing properties of the wire by rapid cooling in the efficient cooling section producing a fine-grained structure
- excellent surface quality by contactless energy transfer

Increase in productivity:

- flat and profile wire annealing possible
- the few wearing parts can be taken out quickly and easily with minimum use of tools
- few wearing parts (no carbon brushes)

- **Energy and cost efficiency:**
- wearing parts with long service life
- high energy efficiency

Technical data

type		RI 120.2	RI 170.3	RI 250.3	RI 420.3
material		Cu, Cu alloys (e.g. brass, tin bronze, German silver) low-alloyed Cu alloys (e.g. CuMg, CuBe, CuCr) heating and resistance wires (e.g. CuNi44Nm1, NiCr10, Ni)			
max. production speed	m/s fpm	25 4,921	25/40* 4,921/7,874	25 4,921	16/25* 3,149/4,921
min. round wire diameter	mm AWG	0.15 34 ½	0.30 28 ½	0.80 20	2.00 12
max. round wire diameter	mm AWG	0.40 28 ½	1.20/1.60* 16/14	2.20 11 ½	4.60 5
min. cross section flat wire	mm^2 AWG	0.02 34	0.10 36	0.50 20	2.00 14
max. cross section flat wire	mm^2 AWG	1.60 15	4.00 11	6.00 9 ½	24.00 3 ½
min. height flat wire	mm	0.05	0.10	0.20	0.20
max. width flat wire	mm	8.00	8.00	10.00	14.00
short circuit pulley diameter	mm	120	170	250	420
max. annealing power	kW	50	50	100	300

*In use for copper