



version "right to left"

EDR 15 / EDR 13 High Speed Rod Breakdown Machine

Expertise, Customer Driven, Service – in Good Hands with NIEHOFF



EDR 15 / EDR 13

Design:

- single wire rod breakdown machine
- sprayed lubrication for dies, cones and wire
- high speed, high efficiency design
- compact with small footprint in left to right and right to left orientation
- welded steel frame with cartridge bearing housing for the main shafts
- 3-step drawing cones with B&S drafting arranged in "parallelogram" layout
- ceramic rings for drawing cones
- high velocity die lubrication virtually clog proof
- designed for inline operation with extrusion

Increase in productivity:

- reduced set-up time due to string-up bypass for heavy gauges
- suitable for redraw wire production and in line operation with high speed extrusion lines

Energy and cost efficiency:

- AC drives and motors for lower maintenance costs and reduced energy consumption

Options:

- two-motor quick die change version (3 wire sizes)
- rotating die holder
- inline electric continuous resistance annealer R501

Typical hard wire finish diameters and corresponding speeds

Wire range		EDR15		EDR13	
mm	AWG	m/s	fpm	m/s	fpm
1.29	16	43	8,500		
1.45	15	43	8,500		
1.63	14	43	8,500	38	7,500
1.83	13	43	8,500	38	7,500
2.05	12	41	8,000	38	7,500
2.30	11	37	7,300	34	6,700
2.59	10	33	6,500	31	6,100
2.91	9	31	6,000	29	5,700
3.26	8	28	5,500	27	5,400
3.67	7	23	4,500	18	3,500
4.12	6	22	4,300	18	3,500

Technical data

max. inlet diameter		5/16" (8 mm) Cu			
finish diameter range	AWG	EDR 15: 16 – 6 AWG (1.29 – 4.12 mm) EDR 13: 14 – 6 AWG (1.63 – 4.12 mm)			
number of drafts		15 (EDR 15) or 13 (EDR 13)			
wire elongation		26.1% B&S			
maximum production speed	fpm	8,500 (EDR15)	7,500 (EDR13)		

We reserve the right to modify technical specifications according to technical improvement and advances. 04.2014