



M 31

Cone Type Drawing Machine for the Intermediate Wire Range



M 31

Design:

- optimum wire cooling/lubrication by fully submerged drawing basin
- extremely smooth operation and uniform load transmission by helical precision gear
- highly reliable separation of drawing emulsion and gear oil via mechanical seal (long service intervals)
- user-friendly design

Increase in quality:

- straight wire path caused by staggered cone pairs (very high wire surface quality)

Increase in productivity:

- NMI (NIEHOFF Machine Interface) color touchscreen for data entry, display of production parameters and maintenance instructions

Energy and cost efficiencys:

- reduced consumption of electrical energy per ton of produced wire
- long service intervals and extended drawing die service life minimize costs and spare die stock levels
- reduced consumption of oil and drawing lubricant

Technical data

material		Cu
max. production speed	m/s fpm	40 7874
no. of wires		1
max. inlet dia.	mm AWG	3,5 7 ½
for inlet strength:	N/mm ²	450
finished dia.	mm AWG	0,35 ... 1,6 27 ½ ...14
max. no. of drafts		17
wire elongation per draft	%	26
drive technology		AC-Motor
machine dimensions (W x D x H)	m	3.40 x 1.80 x 1.20
weight	kg	approx. 3,200