



D 402 / D 562 / D 632 / D 802 Double Twist Bunching Machine

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



D 402 / D 562 / D 632 / D 802

Design:

- machine available in left and right-hand versions for maximum space utilization and optimum material flow
- foundation-free installation on vibration damping elements
- Rotating components aerodynamically optimized (e.g. ECO-Bow)

Increase in quality:

- adjustable winding force, controlled via a load cell in the spool carrier
- die holder for compacting die or control die in the spool carrier

Increase in productivity:

- NMI (NIEHOFF Machine Interface) color touchscreen for data entry, display of production parameters (winding force, laying width, lay length) and maintenance instructions
- telemetric system for reliable contactless data transfer
- infinitely variable lay-length for max. production flexibility
- extended service intervals

Energy and cost efficiency:

- AC technology for precise synchronization and reduced maintenance requirement
- reduced energy consumption and low noise emissions due to the ECO-Bow system (Monobow)
- Energy saving through demand-driven cabinet fan
- IE3 energy-saving main drive

Technical data (for Cu soft)

type		D 402	D 562	D 632	D 802	
max. production speed	m/min	200	200	300	300	
production range for copper	mm ²	0.013 ... 2.5	0.055 ... 2.5	0.09 ... 6.0	0.25 ... 16.0*	
strand / conductor cross section	AWG	36 ... 13	29 ½ ... 13	27 ½ ... 9 ½	23 ... 5	
lay length, infinitely variable	mm	1 ... 75	2 ... 60	6 ... 100	15 ... 160	
max. no. of twists, infinitely variable	twists/min	9,000	7,000	7,000	5,000	
spool sizes	flange dia.	mm	400	560	630	800
	spool width	mm	300	425	475	600
drive for	rotor bow (AC motor)	standard	standard	standard	standard	
	winding spool (AC motor)	servo	servo	servo	servo	
max. sound pressure level (acc. to EN ISO 3743-2 and DIN 45635-1)	dBA	80	80	80	80	
machine dimensions (W x D x H)	m	2.80 x 1.23 x 1.55	2.70 x 1.53 x 1.52	3.00 x 1.68 x 1.60	3.80 x 2.10 x 2.10	
weight (incl. noise protection cabin and switch cabinet)	kg	approx. 2,500	approx. 2,200	approx. 3,000	approx. 6,300	

*in combination with ECO-Bow max. 6 mm²

We reserve the right to modify technical specifications according to technical improvement and advances. 04.2024