



ARD 630 D

Double Twist Backtwist Pay-off

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



ARD 630 D

Design:

- with two pay-off units
- spool clamping: using a spring loaded pintle with pneumatic release
- dancer-controlled spool drive
- no foundations required – unit is installed on vibration damping elements
- optimum use of space and flow of material due to machine availability in left or right-hand version

Increase in quality:

- designed for backtwisting of single conductors, pairs and quads for highest quality demands

Increase in productivity:

- Touchscreen display for clear input and display of production parameters
- easy insertion of the product due to easy accessibility in the spool carrier
- maximum production reliability and production quality (overturn monitoring, force measurement and wire break sensors on the spool carrier, monitoring of the bearing temperature)
- higher stranding speed due to the NIEHOFF triple twist stranding

Energy and cost efficiency:

- all drives feature three-phase AC drive
- technology and digital technology, which offer precise synchronization and reduced maintenance requirements by virtue of contactless data transfer
- use of a single bow system for reduced energy consumption and reduced noise emission
- highly user-friendly due to infinitely variable adjustment of the production parameters via the operator panel



Technical data

max. production speed	m/min fpm	300 985
production range		
lay length, infinitely variable	mm	10 ... 120
max. no. of twists, infinitely variable	twists/min	3,200
wire range		
product dia.	mm AWG	3 8 ½
product dia. – triple twist	mm AWG	1.75 13 ½
individual conductor, solid		AWG 30 ... AWG 20
individual conductor, flexible		AWG 26 ... AWG 15
max. twist aperture (with NIEHOFF triple twist stranding)	mm	5
backtwist, adjustable	%	0 ... 100
spool dimensions		
max. spool flange dia.	mm	630
total length	mm	475
drive for rotor bow: winding spool		standard AC motor AC servo motor
sound pressure level (acc. to EN ISO 3743-2 and DIN 45635-1)	dB(A)	80
machine dimensions (W x D x H):	m	3.60 x 1.65 x 3.20
weight	kg	approx. 4,800

We reserve the right to modify technical specifications according to technical improvement and advances. 03.2018