ARD 630 D
Double Twist Backtwist Pay-off

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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 und 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	300
	fpm	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	3
	AWG	8 ½
product dia. – triple twist	mm	1.75
	AWG	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:		standard AC motor
winding spool		AC servo motor
sound pressure level (acc. to EN ISO 3743-2 and DIN 45635-1)	dBA	80
machine dimensions (W x D x H):	m	3.60 x 1.65 x 3.20
weight	kg	approx. 4,800