



D 1252 / D 1602 / D 2002 Double Twist Stranding Machine

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



D 1252 / D 1602 / D 2002

Design:

- universally applicable for bunching and stranding of insulated conductors
- working height of 1300 mm for all range of double twist stranders
- rotor bearings with temperature control & vibration sensor
- automatic flange detection

Increase in quality:

- adjustable winding force
- strong compacting degree achievable
- smooth cable passage for highest quality of conductor
- compacting rollers or long set of post-formers useful for special cables
- motorized compacting die with cable lubrication
- dancer tension control for winding the cable onto the spool (optional)
- perfect repeatable product quality

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

- infinitely variable lay length for max. flexibility by virtue of the haul-off capstan with separate drive without change gear
- highest flexibility for the production of sector-shaped conductors, insulated cables, ropes and strands
- telemetric system for reliable contactless data transfer
- highest automation, best production control via recipe management

Energy and cost efficiency:

- AC technology for precise synchronization and reduced maintenance requirement by means of contactless data transfer
- single bow type machine, minimum energy consumption, low noise emission
- wireless telemetry for all signals including encoders
- excellent efficiency and fast return on investment

Technical data			D 1252	D 1602	D 2002
max. line speed	m/min		300	200	150
	fpm		984	655	490
max rotating speed	twists/min (tpm)		2,000	1,300	1,000
wire diameter	mm		1.0 – 3.2	1.5 – 4.8	1.5 – 4.8
strand cross-section conductors, Al + Cu, Class 5	mm ²		6 – 120	16 – 275**	16 – 400
	AWG - KCMIL		9 – 250	5 – 535**	5 – 800
round Class 2 Cu	mm ²		6 – 95	16 – 150	16 – 400
	AWG - KCMIL		9 – 3/0	5 – 300	5 – 800
round Class 2 Al	mm ²		6 – 120	16 – 150	16 – 500
	AWG - KCMIL		9 – 250	5 – 300	5 – 1,000
sector shaped*	Cu mm ²		70 2/0 AWG	150 300 KCMIL	150** 300 KCMIL**
	Al mm ²		95 3/0 AWG	150 300 KCMIL	150** 300 KCMIL**
lay length, steplessly variable	mm		25 – 750	40 – 750	50 – 750
max. cable diameter	mm		25	30	30
max. spool size:					
flange diameter	mm		1,250	1,600	2,000
spool width	mm		950	1,180	1,500
max spool weight	kg		4,000	8,000	12,000

* larger cross-section upon on request

** non-standard cross-section

We reserve the right to modify technical specifications according to technical improvement and advances. 03.2026