



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 traverse with 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 fpm	300 984	200	150
max rotating speed	twists/min (tpm)	2000	1200	1000
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 AWG - KCMIL	6 – 120 9 – 250	16 – 240 5 – 450	16 – 400 5 – 800
conductors Class 2 Cu	mm ² AWG - KCMIL	6 – 95 9 – 2/0	16 – 150 5 – 300	16 – 400 5 – 800
conductors Class 2 Al	mm ² AWG - KCMIL	6 – 120 9 – 250	16 – 150 5 – 300	16 – 500 5 – 1000
compacting	Cu mm ² Al mm ²	70 120	150 150	300 400
lay length, steplessly variable	mm	25 – 750	40 – 400	50 – 500
max. cable diameter	mm	25	30	30
max. spool size				
flange diameter	mm	1250	1600	2000
spool width	mm	950	1180	1500
max spool weight	kg	4000	8000	12000

We reserve the right to modify technical specifications according to technical improvement and advances. ND06.2021