



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. 04.2018