



## S 401 Dynamic Single Spooler

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



# S 401

## Design:

- available with cantilever spool shaft or spool take-up with outboard bearing
- cylindrical and conical winding
- user-friendly spool loading and unloading with spool carriage (in version with outboard bearing with track)

## Increase in quality:

- wire traversing via linear ball screw unit

## Increase in productivity:

- maintenance-free traverse and spool drives by AC servo motors

## Energy and cost efficiency:

- compact design with integrated dancer
- electric equipment with independent freely programmable control (PLC) for flexible integration in lines)

## Options:

- spool vibration monitoring system
- automatic traverse width adjustment
- wire tension monitoring
- optoelectronic spool scanning

### Technical data

single wire dia.	mm	0.05 ... 0.90
	AWG	44 ... 19

at max. production speed	m/s	50
	fpm	9,842

spool dimensions		
max. spool flange dia.	mm	400
min. bore dia. with expanding arbour	mm	90
min. bore dia. with clamping cones	mm	80
min. bore dia. with counter support	mm	< 80
max. total length	mm	300

multi-wire bundle Cu soft		
min. cross section	mm <sup>2</sup>	0.011
	AWG	36 ½
max. cross section	mm <sup>2</sup>	0.65
	AWG	19

input rating (AC motor)	kW	7.5
	HP	10

machine dimensions (W x D x H):	m	0.90 x 1.50 x 1.80
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weight	kg	approx. 830
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