

# Vertical Single-Block Drawing Machines

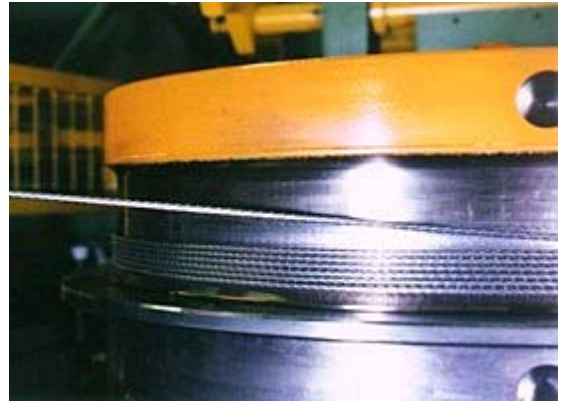


## Application

These machines are used for drawing round and profiled wires of steel or non-ferrous metals. Accumulation of in skin-pass drawn cold-heading quality wires with coil weight up to max. 1500 kg (depending on capstan – and wire dia.) is possible if capstan is equipped with special push-up ring fitted in inclined position. Moreover these machines may be combined with one of our spooling machines for production of normally layed spools or – if collapsible spools are used – with „turn by turn“ laying.

## Mechanical design features

- Capstan driven by high-efficiency helical toothed spur gear, designed either as reduction or as switch gear for torque conversion
- Central oil lubrication system with flow control and oil pump mounted outside of gear housing
- Water-cooled capstan executed with:
  - changeable drawing rim for production of wires for concrete reinforcement
  - slots for a riding stripper with incorporated pull-in dog
  - inclined pushing ring for drawing of any kind of profile wire or in case of skin passes
- Single disc brake as safety brake for quick stop
- Safety equipment according to EN-Standard



Capstan executed as drawing rim

## Electrical design features

- AC main drive motor, water-cooled = low noise level and environment emission; option: air cooling by individual fan
- SIEMENS frequency converter, either water-cool water-cooled or air conditioner for entire switch cabinet
- Stored-programm control SIMATIC S7
- Operator panel OP

## Technical Data

Size	Drawing - Force kN	Capstan dia. mm	max. Inlet dia. mm (750 N/mm <sup>2</sup> )	Drawing speed max. met/sec	Installed power kW
300	300	1000 / 900	35,0	2,5	160
200	200	900 / 800	26,0	3,0	132
150	150	900 / 800	22,0	3,0	110
100	100	900 / 800	18,0	3,0	110
70	70	750	15,0	4,0*	90
50	50	750 / 600	12,0	4,0*	90
40	40	750 / 600	10,5	5,0*	90
25	25	600	8,5	5,0*	75
16	16	600	6,5	5,0*	45

\* = Higher drawing speeds on special request

Modifications reserved without prior notice.