



Godet Rolls



Components in production process of synthetic filaments
Godet rolls – singlezone induction heated – (STS or RTS)



Characteristics

- Singlezone induction heated
- Stationary (STS) or rotating (RTS) temperature transmission system
- PT100 temperature sensor (thermocouple optional) with monitoring sensor (for overtemperature protection)
- Diverse surface materials available (chrome, ceramic or others)
- Diverse surface finishes available (to give optimum frictional properties)
- Thermoblocker (bearings outside the hot part of the roll)
- Non-heated versions available

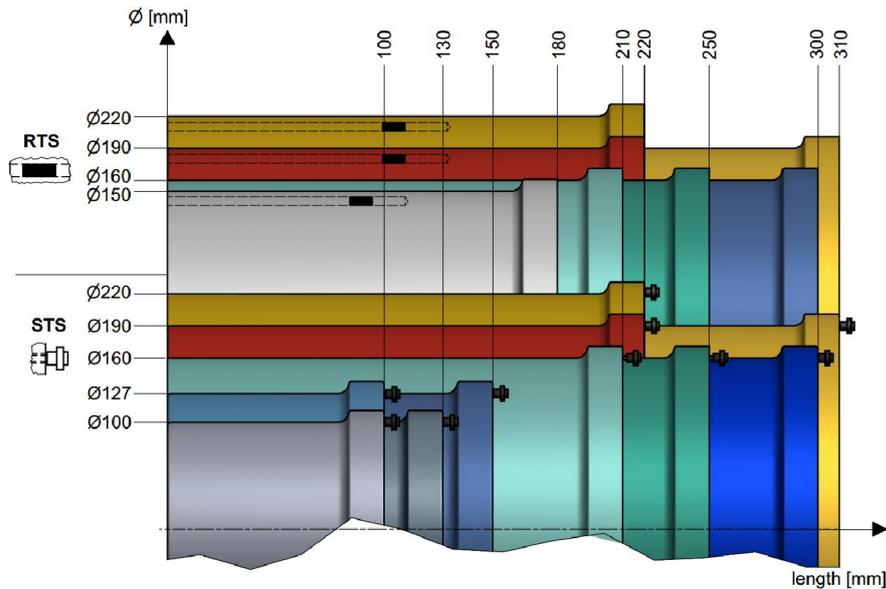
Advantages

- Accurate surface temperature (for consistent yarn quality)
- High speed range
- Inexpensive
- Robust, simple modular design with installation from the front
- Low maintenance
- All electrical connections with “plug-in” facility
- No system balancing (roll exchange without rebalancing)
- No additional lubrication (lifetime bearings)
- Integrated cooling without additional cooling systems (water, oil mist, etc.)
- Low speed versions available (with gearbox, down to <5 m/min)



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Standard Dimensions



Brief Technical Specification

| | | |
|-------------------------|----------------------|--|
| Yarn data | denier [max dtex] | 8000 (depending on process conditions and godet size) |
| Process data | temperature [max °C] | 60 to 250 (standard) |
| | speed [max m/min] | 6500 (depending on roll size) |
| Godet data | diameter [mm] | from 100 to 220 |
| | length [mm] | from 100 to 310 |
| | heater type | induction |
| | supply voltage [V] | 230 / 400 |
| | installed power [W] | up to 10000 (depending on process conditions and godet size) |
| Other dimensions | | available according to customer request |