

# → GV20 vertical gill



- The essential element of the fine yarn preparation units
- High speed vertical drafter up to 500m/min
- Production of light slivers at high speed down to 2ktex
- Access to feeding and drafting zones from the same operator position
- Manual or automatic delivery: 2 cans single end (2 heads) or double end (4 heads)
- Equipped in option with the on-line TEXGATE® sliver checking.



2 different types of drafting systems which enable it to extend its field of application to the finest fibres and improve the sliver quality.



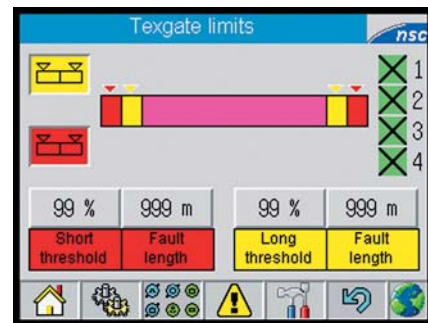
With pins



With aprons



Optional on-line TEXGATE® sliver checking



## GV20 vertical gill

### Technical characteristics\*

	GV20 A	GV20 M
Uses	Wool and long staple chemical fibres combing and blends	
Feeding	Creels for cans Ø 700 or 800mm (2 or 4 heads) Ø 1,000mm (2 heads) single or double end	
Number of heads	2 or 4 heads	
Delivery	Manual or automatic delivery, cans Ø 700mm (2 or 4 heads), 800mm (2 heads), height 1,000 or 1,200mm single or double sliver	
Drafting system	With pins	With aprons
Number of slivers at delivery	1 sliver per head	
Feeding linear speed	Max. 85m/min depending on material	
Delivery speed	Max. 500m/min (2 heads) Max. 400m/min (4 heads)	
Input load	Max. 70ktex depending on material	Max. 40ktex depending on material
Number of fallers	2 x 56 (per head)	
Number of working fallers	2 x 16 (per head)	
Chain pitch	9.525mm (3.8")	
Pinned width	4 to 7 flat pins/cm n° 18 x 24 pressed insert	
Pinned field depth	160mm	
Feed cylinder	Ø 50mm	Ø 45mm
Top feed cylinder	Ø 80mm	Ø 70mm
Pressure on feed cylinder	25daN (approx. 25kg)	125daN (approx. 125kg)
Draft cylinders	Ø 30/62.5mm	Ø 45mm
Top draft cylinder	Ø 80mm	Ø 70mm

	GV20 A	GV20 M
Pressure on draft cylinder	125daN (approx. 125kg)	
Distance feed-draft cylinder	300mm	145 - 230mm
Nip distance	36mm	40 - 125mm
Mechanical draft	4.5 - 13.2 (gear box in 2% increments) - 64 possibilities	
Overall speed control	By frequency variation	
Main motor power	11kW	
Suction motor power	2.2kW	
Installed power	15kW	
Compressed air	Pressure: 6bars Average consumption: 1Nm³/h Instantaneous consumption: 30Nm³/h	
Net weight	5,600kg	
Cubage	31m³	
Options	Hoist On-line TEXGATE® sliver checking	

\*Subject to modifications

[www.nsc-fibretoyarn.com](http://www.nsc-fibretoyarn.com)

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