

**nsc** fibre to yarn

# FMV 40

## vertical rubbing frame



### Model FMV 41

- Tubes length: 300 mm
- Maxi bobbin weight: 4.5 kg of material.

### Model FMV 42

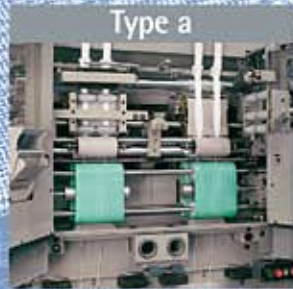
- Tubes length : 330 mm
- Maxi bobbin weight: 5 to 6 kg of material.

- Entirely automatic bobbin doffing
- 3 interchangeable types of drafting
- Produced rubbed rovings Nm 0.66 to 6
- Delivery speed up to 275 m/min with only one rubbing level
- Rubbing speed up to 1500 cycles/min
- The man/machine dialogue is achieved by a touch type screen terminal giving access to functions of counting and of tachometry and proposes numerous means for helping in the diagnosis.

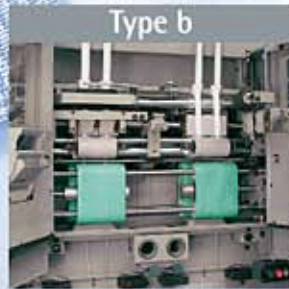


Designed by N. Schlumberger, they have the following characteristics:

- The distance between feed cylinders and draft cylinder is adjustable by motor
- The pressure on feed cylinder is ensured by springs
- The draft cylinder pressure is operated by pneumatic ram with individual pressure relief.



Long drafting system with control barrels on wide apron



Short drafting system with double apron



Short drafting system with control barrels on wide apron

# FMV 40

## vertical rubbing frame

### Technical characteristics FMV 40

Processed materials	Wool, long staple chemical fibres, blends	Total nip	a : 205 - 260 mm b : 145 - 260 mm c : 130 - 260 mm
Feeding	Creel for cans of Ø 400 to 800 mm single or double end	Mini distance between draft cyl. and apron	31 mm
Number of bobbins	12, 16, 20 or 24	Draft range	7.2 à 20.7 (by gear box)
Pitch	FMV 41: 420 mm FMV 42: 450 mm	Weight of the delivery roving	a : Nm 0.66 - 5 b : Nm 1.5 - 6 c : Nm 1.5 - 6
Rovings per bobbin	2	Rubbing speed	1 vertical tier 1500 cycles/min maxi
Tubes	FMV 41: length: 300 mm - Ø 70 mm FMV 42: length: 330 mm - Ø 70 mm	Number of rubs	5 - 5.8 - 7 - 8 rubs/m
Bobbin diameter	Maxi 300 mm	Stop motion	Electronic, without contact with the material, adapted to the process of any material
Bobbin weight	FMV 41: up to 4.5 kg according to material FMV 42: from 5 to 6 kg according to material	Delivery speed	275 m/min maxi according to material
Bobbin ticketing	Automatic	Compressed air pressure	6 bars
Drafting system type	Interchangeable a : long - wide apron and 3 barrels b : short - double apron c : short - wide apron and 2 barrels	Compressed air consumption	3 Nm <sup>3</sup> /h
Maximal load	a : 8.5 to 16 ktex according to material b : 7.5 to 14 ktex according to material c : 5 to 9 ktex according to material	Main motor power	12, 16, 20 and 24 bobbins: 18.5 kW
Doubling	1 or 2	Suction motor power	12 and 16 bobbins: 7.5 kW - 20 and 24 bobbins: 11 kW
Feed cylinder diameter	40 mm	Installed power	12 and 16 bobbins : 30 kW - 20 and 24 bobbins : 33.5 kW
Draft cylinder diameter	25 and 50 mm	Approx. net weight	12 bobbins: 8400 kg - 16 bobbins: 9700 kg - 20 bobbins: 11000 kg - 24 bobbins: 12500 kg
Pressure cylinder diameter	70 mm	Packed volume	12 bobbins: 36 m <sup>3</sup> - 16 bobbins: 42 m <sup>3</sup> - 20 bobbins: 45 m <sup>3</sup> - 24 bobbins: 48 m <sup>3</sup>
Pressure on draft cylinders	80 daN (env. 80 kg) with pneumatic jack		

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