

Big Diameters (60-90 mm)

24/342

32/342

12/432

16/432

24/432

12/680

8/724



Big Diameters

**Top quality,
latest technology.**



Latest technology for the best

Capacity and speed mean profitability

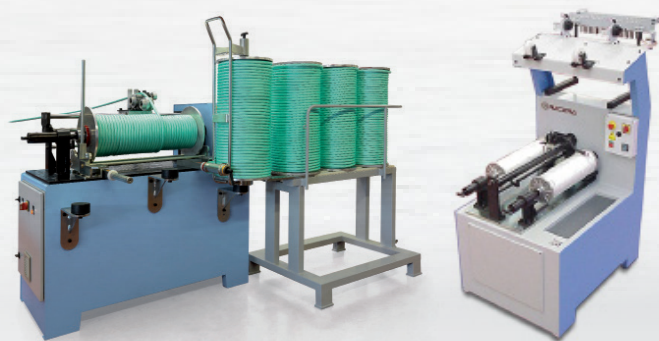
Discover the best bobbin capacity/speed ratio on the market. Unfailing profitability.

With the latest generation technology

Braiding machines include the latest electronic technology. Like the new synchronized **Back Twist System**[®]. This is a mechanism for maintaining the most accurate twist of each strand during the braiding operation.

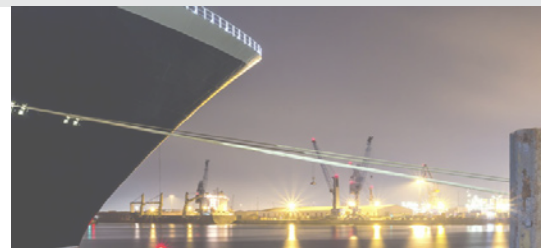
This is achieved because the carriers are always facing the same direction. The result is a braid with more stable strands thanks to the steady, and uniform spindle movement.

BTS by RATERA
Back Twist System[®]
Ratera S.A. Patented System
Gear Synchronisation.



Winding machines: Indispensable complement

As an indispensable complement to its wide-diameter braiding machines, Ratera offers winding machines that feature the same robustness and technology.



bobbin capacity/speed ratio on the market



Smart bobbins

Bobbins are equipped with photoelectric detectors to stop the machine when they run out of yarn, preventing defects in the rope.



Height adjustment

Motorized height adjustment at the braiding point.



Improved traction

Horn gears with helicoidal gears for a better traction.



Lubrication

Constant, permanent lubrication.



Advanced platens & spindles

Horn gears and carriers with treated and rectified feet.





24/342 32/342

- Carriers: 24 / 32
- Gauge: 342 mm
- Bobbin diameter: Ø 190 x 540 mm
- Bobbin capacity: 14.333 cm³
- Motor power: 2,2 Kw / 3 Kw
- Horn gear speed: 60 rpm
- Carrier speed: 10 rpm / 7,5 rpm

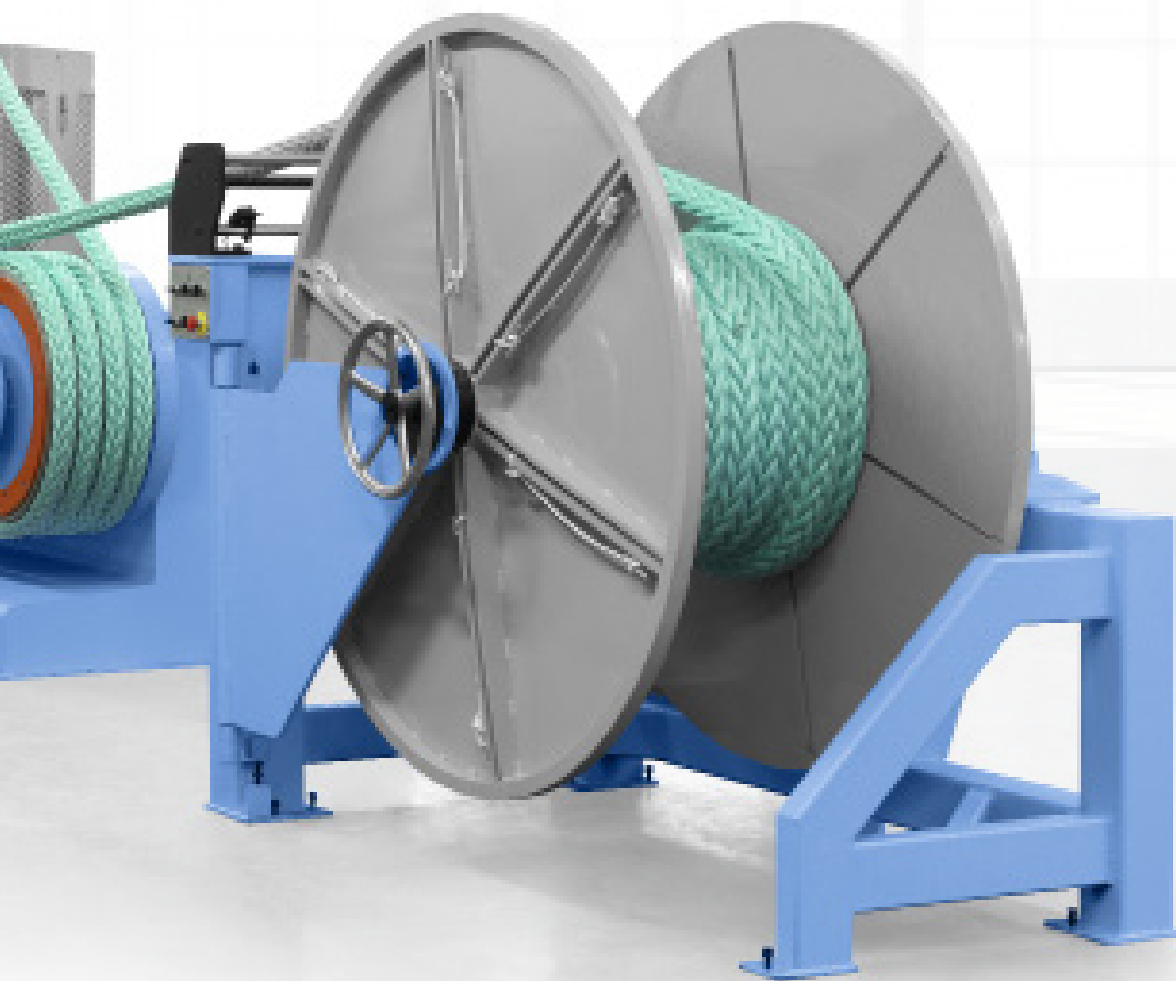


12/432 16/432 24/432

- Carriers: 12 / 16 / 24
- Gauge: 432 mm
- Bobbin diameter: Ø 250 x 650 mm
- Bobbin capacity: 30.065 cm³
- Motor power: 3 Kw / 3 Kw / 4 Kw
- Horngear speed: 50 rpm / 50 rpm / -
- Carrier speed: 16,67 rpm / 12,50 rpm / 8,33 rpm

12/680

- Carriers: 12
- Gauge: 680 mm
- Bobbin diameter: Ø 365 x 730 mm
- Bobbin capacity: 74.319 cm³
- Motor power: 7,5 Kw
- Horn gear speed: 33 rpm
- Carrier speed: 11 rpm



Automatic lubrication



Advanced carriers



Detachable



8/724

- Carriers: 8
- Gauge: 724 mm
- Bobbin diameter: Ø 335 x 730 mm
- Bobbin capacity: 62.280 cm³
- Motor power: 7,5 Kw
- Horgear speed: 24 rpm
- Carrier speed: 12 rpm



Automatic lubrication



Advanced carriers



Detachable

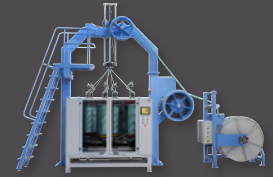
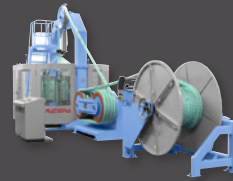
BTS by RATERA

Back Twist System®

Ratera S.A. Patented System
Gear Synchronisation.

The new synchronised **Back Twist System**® is a mechanism for maintaining the most accurate twist of each stand during the braiding operation.

Technical Characteristics



Gauge

	342		432			680	724
Number of carriers	24	32	12	16	24	12	8
Bobbin dimensions (mm)	Ø 190 x 540		Ø 250 x 650			Ø 365 x 730	Ø 335 x 730
Bobbin capacity	14.333 cm ³		30.065 cm ³			74.319 cm ³	62.280 cm ³
Horn gear speed	60 rpm	60 rpm	50 rpm	50 rpm	-	33 rpm	24 rpm
Spindle speed	10 rpm	7,5 rpm	16,67 rpm	12,50 rpm	8,33 rpm	11 rpm	12 rpm
Motor power	2,2 Kw	3 Kw	3 Kw	3 Kw	4 Kw	7,5 Kw	7,5 Kw
Length	1.700 mm	3.900 mm	2.070 mm	2.250 mm	3.900 mm	7.500 mm	4.512 mm
Width	1.900 mm	2.500 mm	2.600 mm	2.950 mm	2.500 mm	3.300 mm	2.444 mm
Height	2.900 mm	5.020 mm	3.670 mm	3.670 mm	5.020 mm	5.200 mm	5.078 mm
Weight	3.600 Kg	4.500 Kg	3.050 Kg	3.500 Kg	6.000 Kg	9.250 Kg	6.635 Kg
Maximum rope Ø	70 mm	85 mm	70 mm	70 mm	85 mm	85 mm	60 mm

Options

	342	432	680	724
Carriers with turning head	Included	Included	Included	Included
Carriers with roller guides	Included	Included	Included	Included
Ø max. of yarn at braiding point	-	-	-	-
Electronic braiding point height adjustment	Included	Included	Included	Included
Electronic lay length / helix adjustment	Included	Included	Included	Included
Slow start	Included	Included	Included	Included
Inching operation	Included	Included	Included	Included
Meter counter	Included	Included	Included	Included
Connection for an autonomous collector	Included	Included	Optional	Optional
Automatic lubrication pump	Optional	Optional	Included	Included
Back Twist System	-	-	-	Included

