

Big Diameters (60-90 mm)

24/342

12/432

12/680

32/342

16/432

8/724

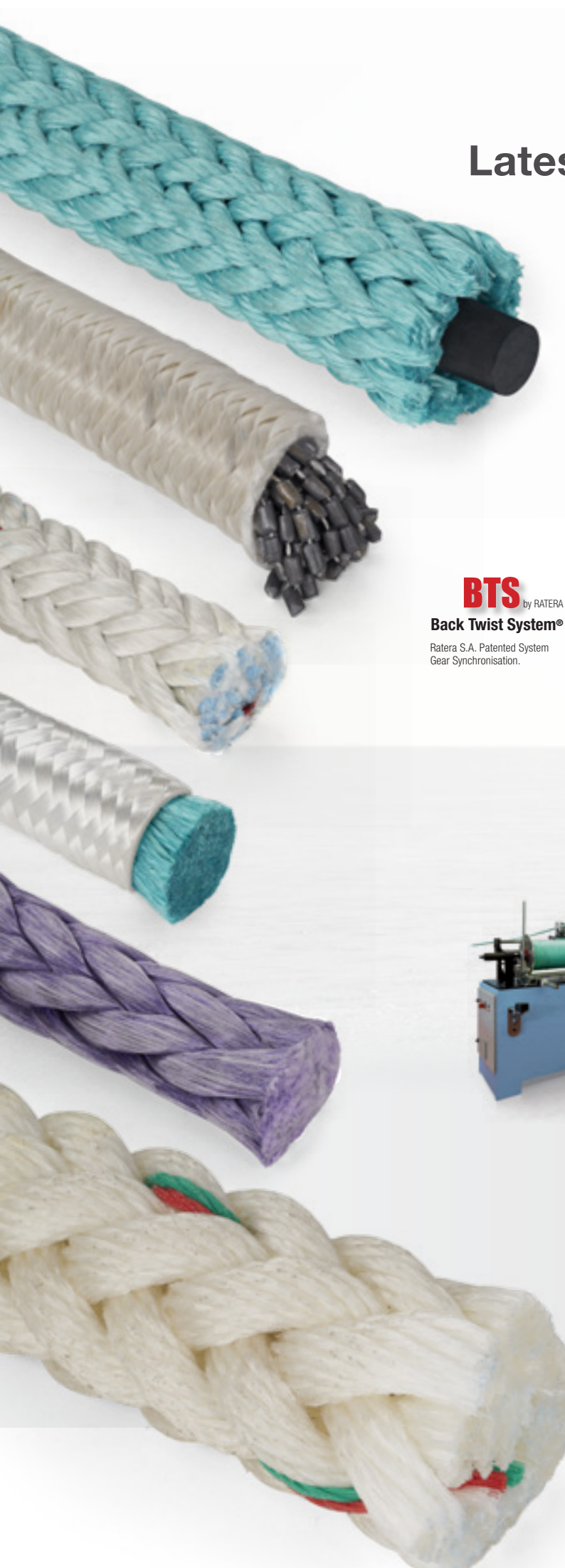
24/432

**Top quality,
latest technology.**



RATERA®
Founded in 1942

Your Braiding Industry



Latest technology for the best

reel capacity/speed ratio on the market

Capacity and speed mean profitability

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

With the latest generation technology

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

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

This is achieved because the spindles are always facing the same direction. The result is a braid with more estable strands thanks to the steady, 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.



Smart reels

Reels with photoelectric detectors for immediate detection of the end of the yarn, thereby avoiding imperfections in the work area.



Height adjustment

Motorised height adjustment at the braiding point.



Improved traction

Helical platen-folding pinions for improved traction.



Lubrication

Constant, permanent lubrication.



Advanced platens & spindles

Platens and spindles 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
- Horngear speed: 60 rpm
- Spindle speed: 10 rpm / 7,5 rpm



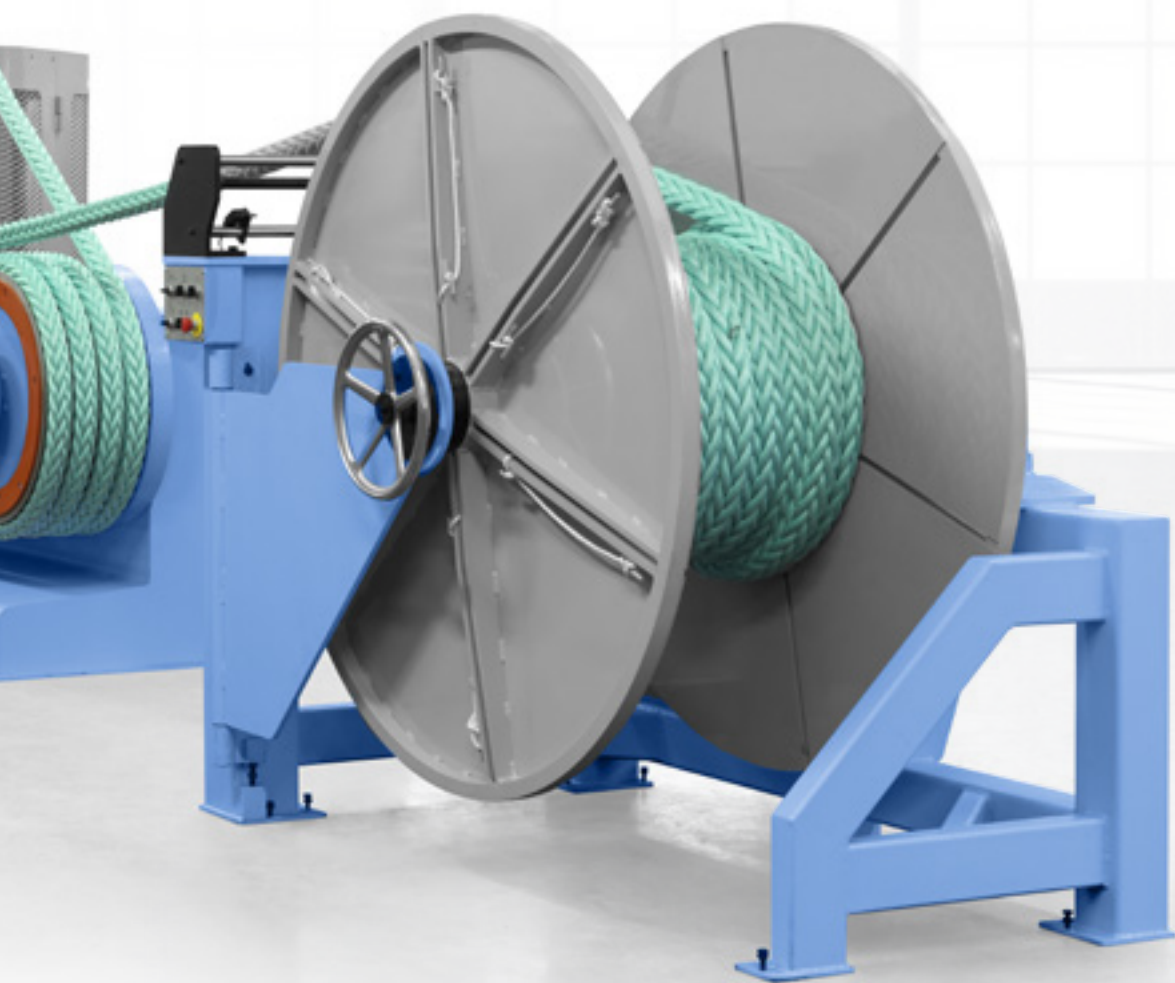
12/432 16/432 24/432

- 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 / -
- Spindle 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
- Horngear speed: 33 rpm
- Spindle speed: 11 rpm



8/724

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



Automatic lubrication



Advanced spindles



Detachable



Automatic lubrication



Advanced spindles



Detachable

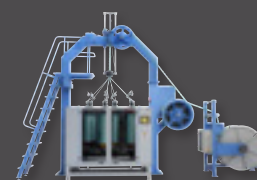
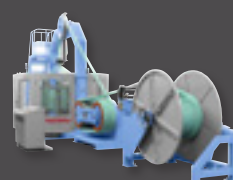
BTS by RATERA

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
Lenght	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
Spindle with turning head	Serial	Serial	Serial	Serial
Spindles with roller advances	Serial	Serial	Serial	Serial
Ø max. of yarn at braiding point	-	-	-	-
Electronic braiding point height adjustment	Serial	Serial	Serial	Serial
Electronic advance length adjustment	Serial	Serial	Serial	Serial
Slow start	Serial	Serial	Serial	Serial
Jog operation	Serial	Serial	Serial	Serial
Meter counter	Serial	Serial	Serial	Serial
Connection for autonomous beam	Serial	Serial	Optional	Optional
Automatic lubrication pump	Optional	Optional	Serial	Serial
Back Twist System	-	-	-	Serial

