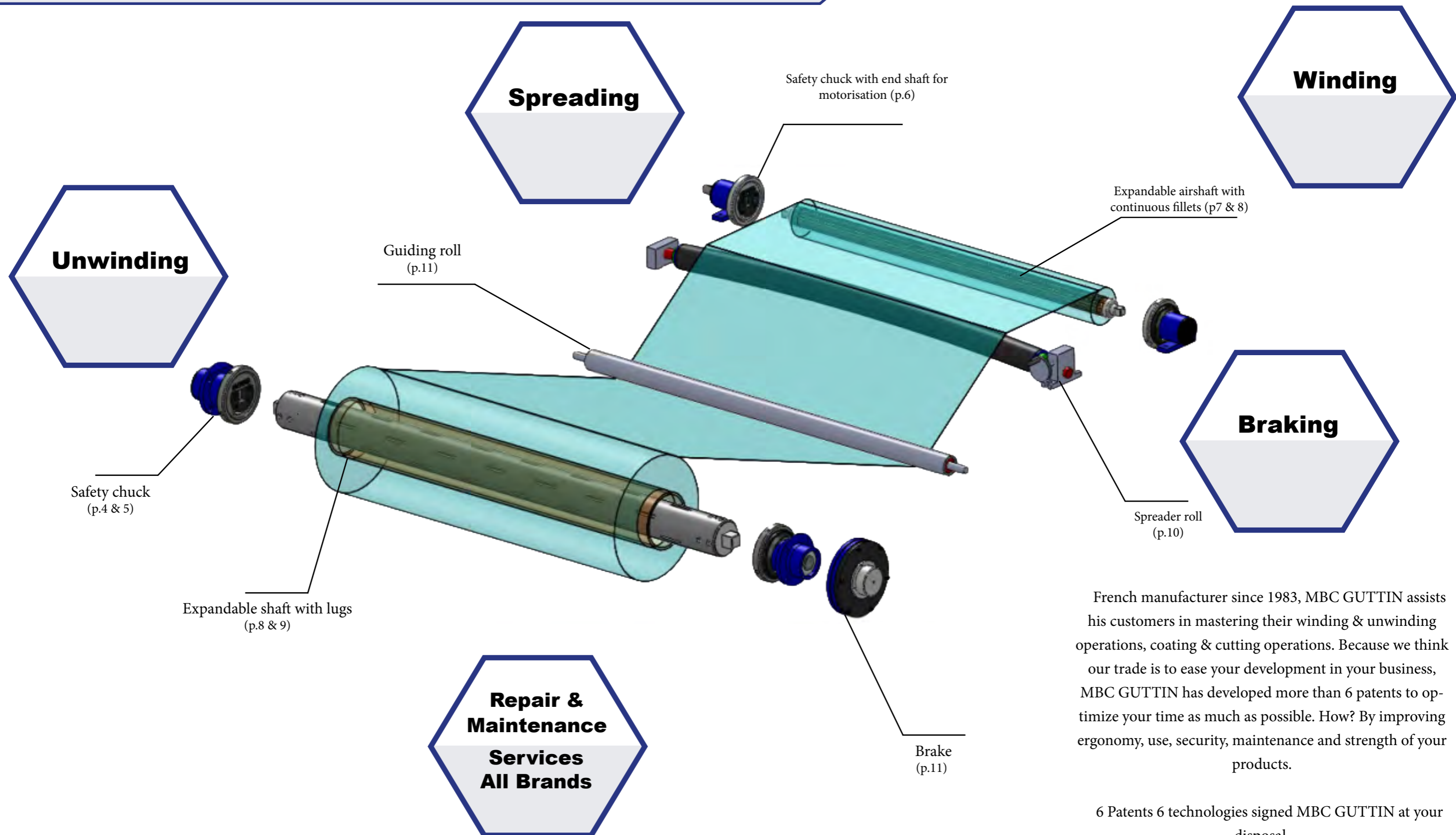


Equipment winding - unwinding

French Manufacturer of expandable airshafts - Safety chucks - Brakes - Spreader rolls



MECANISM
BLOCKING
CONTROL



French manufacturer since 1983, MBC GUTTIN assists his customers in mastering their winding & unwinding operations, coating & cutting operations. Because we think our trade is to ease your development in your business, MBC GUTTIN has developed more than 6 patents to optimize your time as much as possible. How? By improving ergonomy, use, security, maintenance and strength of your products.

6 Patents 6 technologies signed MBC GUTTIN at your disposal.

SAFETY CHUCKS

Benefits

Made in France

100 % steel

To be mounted instead any installation :
replacement – custom made - repair

Possibility of certain adaptation according to
your requests

Safety

Auto- Lock system

Garantee more security

A chuck with several options for your safety
& different types of locking system (p6)



The MBC safety chucks (Mechanism Blocking Control) were designed to achieve all your winding & unwinding operations. Its automatic locking system protects in the event of an accident. Discover all our designs and find the solution that best suits your needs.

Patents MBC

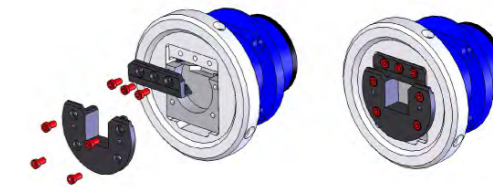


Easier maintenance

A chuck design to optimize your maintenance time.

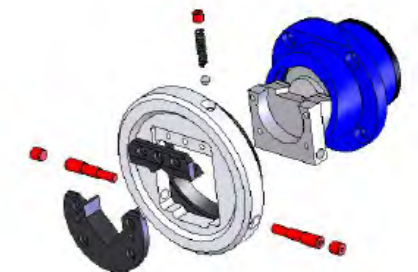
Gain nearly 15 minutes on the change of your wear parts.

7 screws and a disassembly only by the front face !



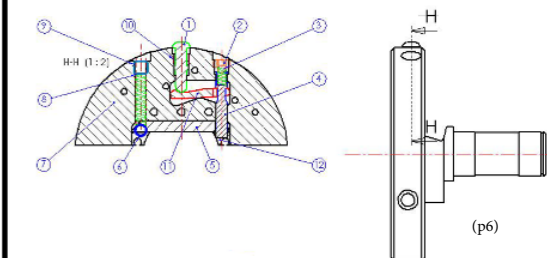
Easier maintenance

Disassembly of steering wheel axis and the locking ball becomes simply as child's play.



Design

Design of the locking system made with a push button stronger, more secure, more ergonomic.



MODEL	REEL WEIGHT	TORQUE	SQUARE DIMENSION
14 – 20	150 kg	40 Nm	14 to 20 mm
18 – 25	400 kg	120 Nm	18 25 mm
20 – 30	800 kg	185 Nm	20 to 30 mm
30 – 40	1600 kg	350 Nm	30 to 40 mm
40 – 50	2850 kg	1 100 Nm	40 to 50 mm
50 – 80	7200 kg	2 350 Nm	50 to 80 mm
80 – 120	11 500 kg	9 000 Nm	80 to 120 mm
120 – 180	22 000 kg	20 000 Nm	120 to 180 mm
180 – 230	60 000 kg	40 000 Nm	180 to 230 mm

Available goods

Manual chuck

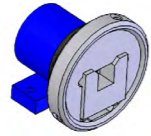
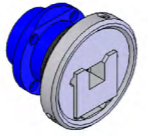
- Chuck with pivoting disc
- Chuck with slidding disc
- Translatory chuck, stroke 50 or 100 mm

Pneumatical chuck

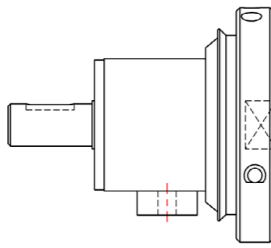
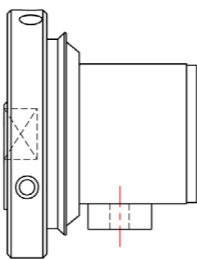
- Pneumatical chuck simple or double effects
- Pneumatical selcentring and multifunctions

Choice of options :

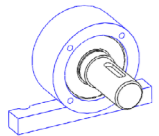
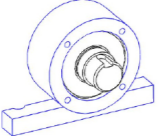
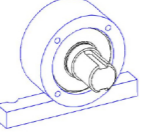
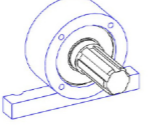
Choose your fixation type :

Foot (serie 150)   Flange (serie 250)

Choose your shaft end (coupled to a motorisation or a braking system) :




Chuck with shaft end = SFE/G   Chuck without shaft end = SFE

If with shaft end, choose the type best suited for your application :

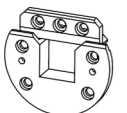
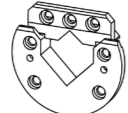
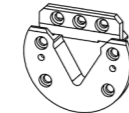
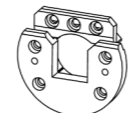
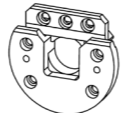
STD  MD  BD  AC  Other applications on demand

Choose your geometry :

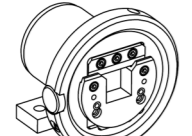
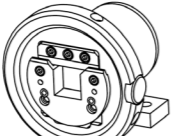
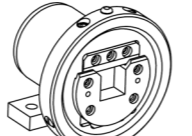
WITHOUT wear part

Type A  Type E  Type B 

WITH wear parts

Type APU  Type EPU  Type BPU  Type AVPU  Type AWPU 

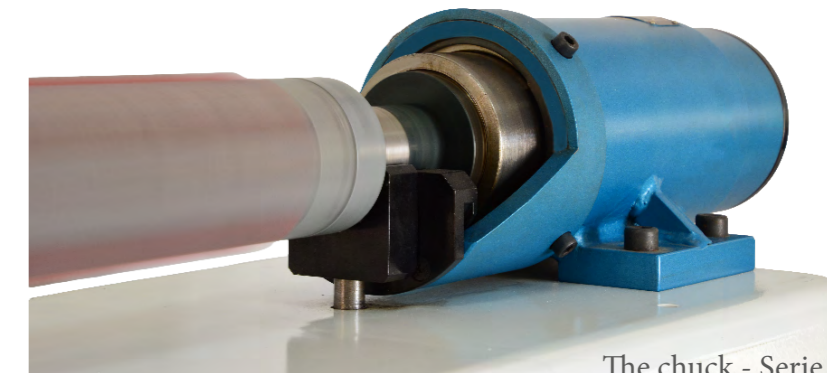
Choose your anti opening system :

Type 1 - Left knurl  Type 1 - Right knurl  Type 2 - Push button 

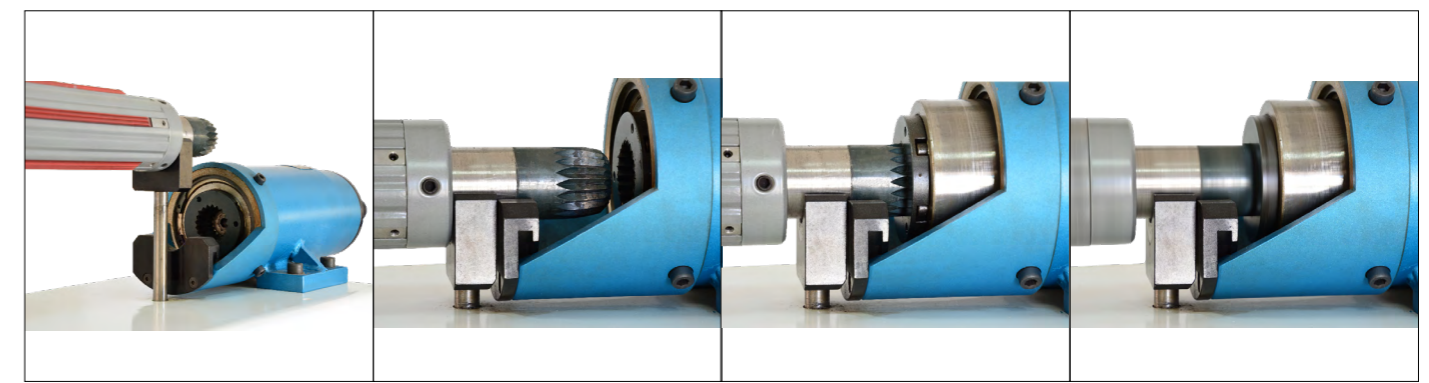
Patent MBC : Chuck serie 2000

Benefits

- Work at high speed
- No vibration
- Selfcentring
- Multifunction
- Axial adjustment







The chuck - Serie 2000 & 2100 is a pneumatical chuck that simplify your operation and improve your performance.



- | | | | |
|-----------------------------------|-------------------------------|---|--|
| Step 1 | Step 2 | Step 3 | Step 4 |
| Install your shaft on the support | Start your pneumatical system | Thanks to his conical tip, the Serie 2000 collects and center automatically the shaft. The double conical tip avoids damaging effects on the notched end. | Start rotation. You have now a rotation with no vibration which allows the work at very high speed, in safer conditions, with better performances. |

Options available:

- | | | | |
|------------------------------------|---|-----------------------------|---|
| Smooth shaft support |  | Expansible head with shells |  |
| Shaft support with journal bearing |  | Expansible head with lugs |  |

Benefits



Made in France
since 1983

Engineering Department
Custom made - Repairs

Lightness : MBC Guttin
thinks about your users !



R&D of a reinforced aluminium :
+ 35 % load
- 40% bending
for an equal weight to a standard
aluminium shaft

Choose your material :
Aluminium - Steel,
and only for shaft with lugs :
Carbon - reinforced Aluminium

Choose your expansion :
Rubber - Aluminium - Steel

Choose your expansion :
With lugs or continuous fillets

Choose your shaft end :
Square - triangle - double
geometry or custom made.



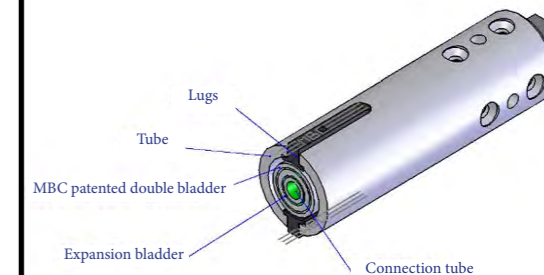
Expandable airshafts allows the inside core
to mold the shaft and to exert winding &
unwinding operations.

Manufacturer, MBC offers expandable
airshafts from $\varnothing 1''$ (25.4 mm) up to
 $\varnothing 35''$ (900 mm) and up to 9 m length.

We carry out the desired shaft end with all
your specifications needed for your
application.

Patent MBC

Airshaft with lugs



Strengthness

Protection of the bladder kit with the
«double skin».
Unique & patented by MBC Guttin.

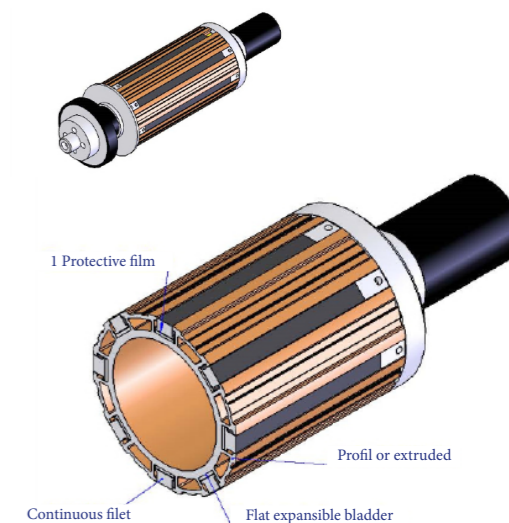


Easier maintenance

Thanks to our double skin bladder, the
lugs remain in place !
You save 45 minutes when changing the
bladder kit.

Design

Airshaft with continuous fillets



Expandible head



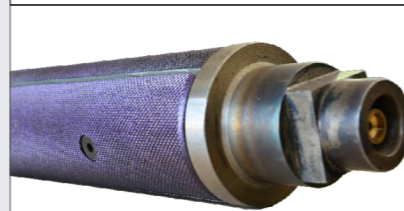
- Cantilevered work
- Rigidity & adaptability
- Stationary bar

Sleeve



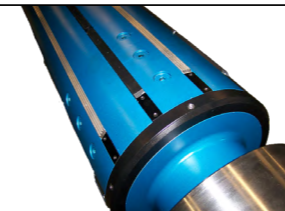
- Quick use
- Change of \varnothing if desired
- Easily switch from $\varnothing 74$ mm to $\varnothing 150$ mm

Airshaft with shells



- Protects the final product
- Thin thickness cores
- Use without cores

Design for paper industry



- Locking & centring continuous filets
- Static balancing of the tube
- 1750 m/ min - up to 15 tons

Friction bar



- Multitracks
- Friction rings (balls or pawls)
- Equal tension on each spool

SPREADER ROLLS

Get the best spreading system for your material.

A good spreading is obtained by the choice of an advisable material adapted to your product as well as the type of fold. MBC provides 4 kinds of spreader rolls, all specific to each application.

Curved spreader roll or Banana roll



Spreader roll with stainless steel laths



Benefits

- Operates by deformation
- The most polyvalent of our spreader rolls (moisture, corrosive..)
- Different kind of coating or fully made of stainless steel
- Fixed or variable curvature

Benefits

- Operates by spreading
- Suitable for heavy and delicate materials
- Different kind of coating for the laths

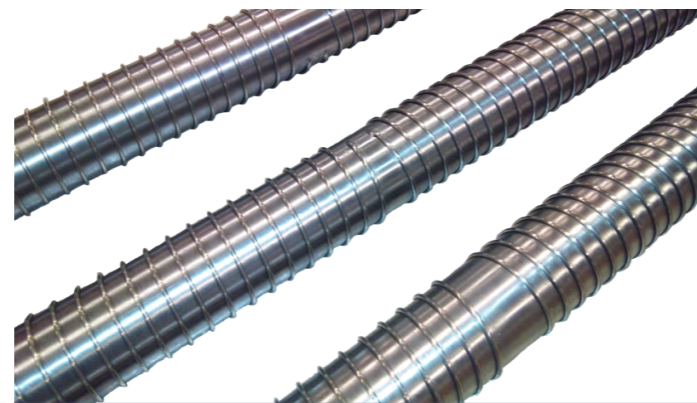
Spreader rolls with ropes



Benefits

- Operates by spreading
- Perfect for technical textiles & delicate materials
- Polyvalent (film, plastic...)
- Different kind of ropes

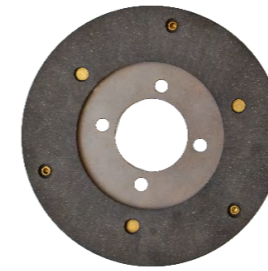
Spiral spreader rolls (machinated or add-on)



Benefits

- Operates by spreading the material effortless
- To be mounted instead of guiding rolls
- Thickness & depth choices
- Available in aluminium, steel, stainless steel, rubber
- No maintenance

BRAKES



Manage the tension of your product thanks to our MBC braking system. At MBC we offer a ferodo brake, manual or pneumatical, made in France, fitting all your applications.

Even more accuracy? We also have multi-piston and electrical brakes. Do not hesitate to contact us !

Power	∅A	L
40 Nm	145	100
70 Nm	220	100
480 Nm	300	100

Mono-disc

Power	∅A	L
90 Nm	145	125
180 Nm	220	125
900 Nm	300	125

Bi-disc

MANUAL BRAKE

MBC Guttin

Power	∅A	L
40 Nm	145	125
70 Nm	220	125
480 Nm	300	125

Mono-disc

Power	∅A	L
90 Nm	145	145
180 Nm	220	145
900 Nm	300	145

Bi-disc

PNEUMATICAL BRAKE

MBC Guttin

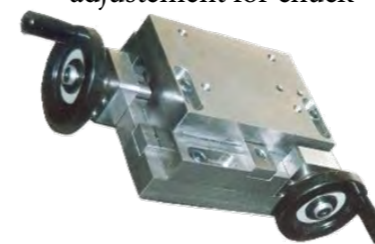
Miscellaneous

- Anti-static Material
- Tension Control

Guiding roll



Support base axial and or radial adjustment for chuck



Mechanical head expansion with torque



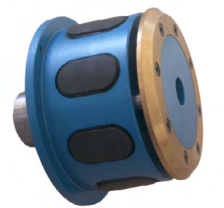
Trolley and/or frame design



Mechano pneumatical or manual reel riser



Mechanical head with axial thrust



Shaft with bearing case for cantilevered unloading



Fiberglass Core



Aluminium locking cones



GLOBAL PRESENCE

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is coming...



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