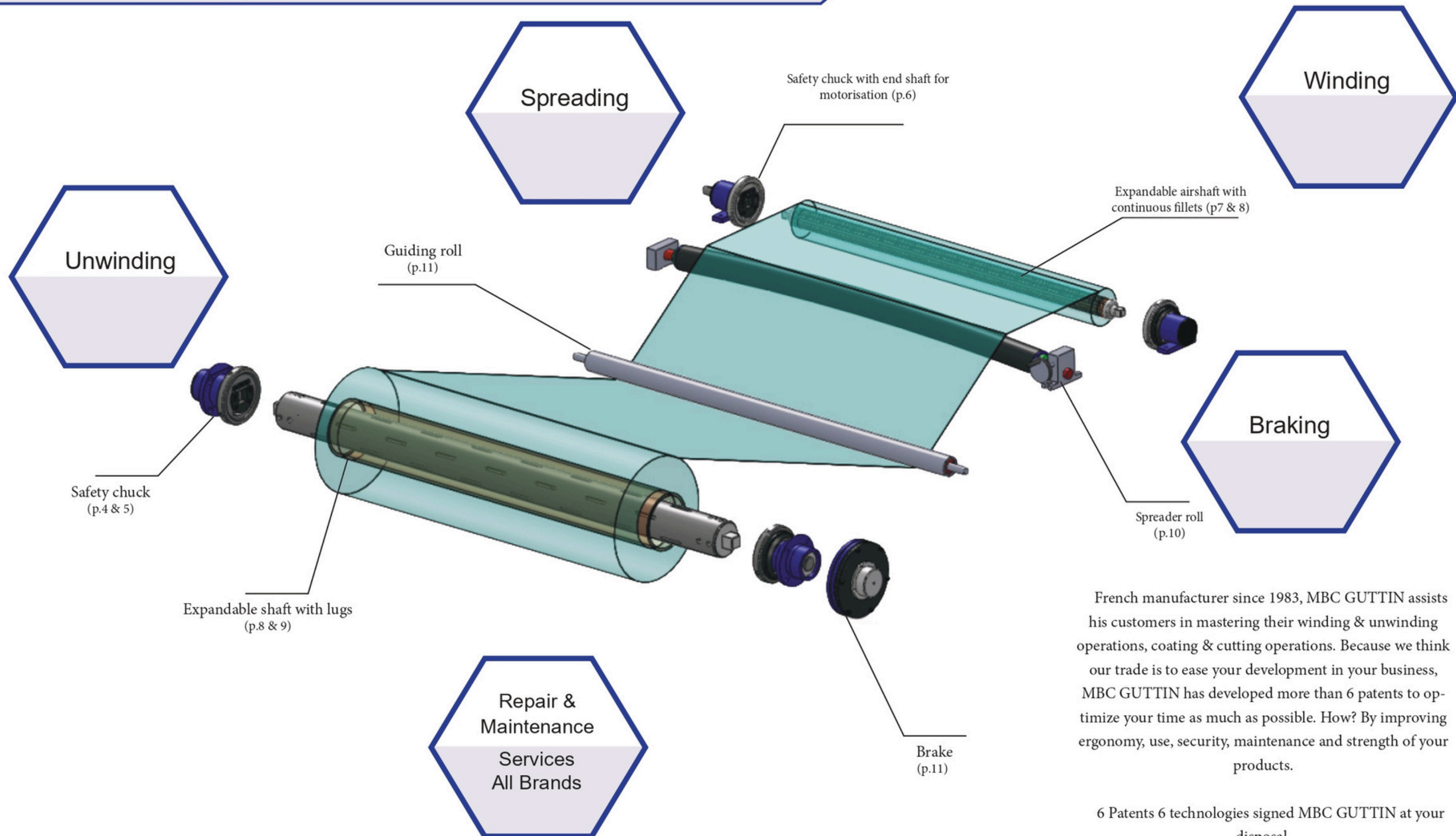


Winding - Unwinding Equipment

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



MECHANISM
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 of any installation :
replacement – custom made - repair

Possibility of certain adaptations according
to your requests

Safety

Auto- Lock system

Guarantee greater security

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



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

MBC's Patents



Easier maintenance

A chuck designed to optimize your maintenance
time.

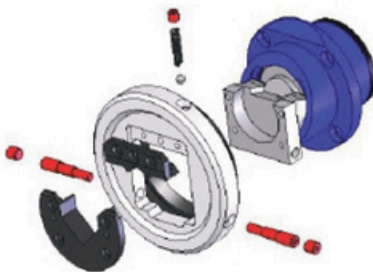
Save nearly 15 minutes on the change
of your wear parts.

Only 7 screws and disassembly from
the front face !



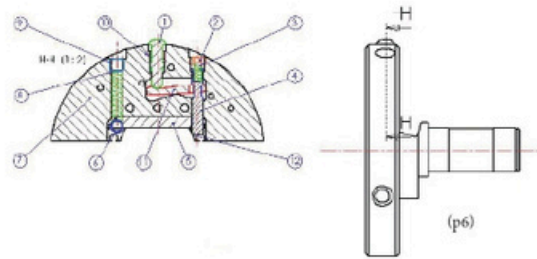
Easier maintenance

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



Design

The design of the locking system features a push
button that is stronger, more secure, more
ergonomic



Available goods

Manual chuck

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

Pneumatic chuck

- Pneumatic chuck simple or with double effects
- Pneumatic selfcentring and multifunctional

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

Range of options :

Choose your fixation type :



Foot
(serie 150)



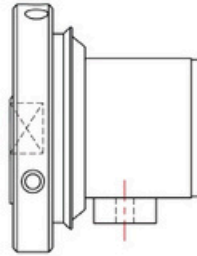
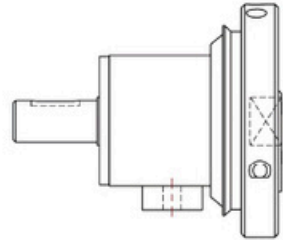
Flange
(serie 250)



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



Chuck with shaft end
= SFE/G



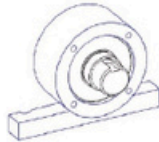
Chuck without shaft
end = SFE



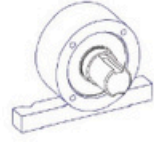
If with shaft end, choose the type best suited for your application :



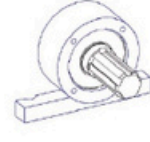
☐ STD



☐ 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

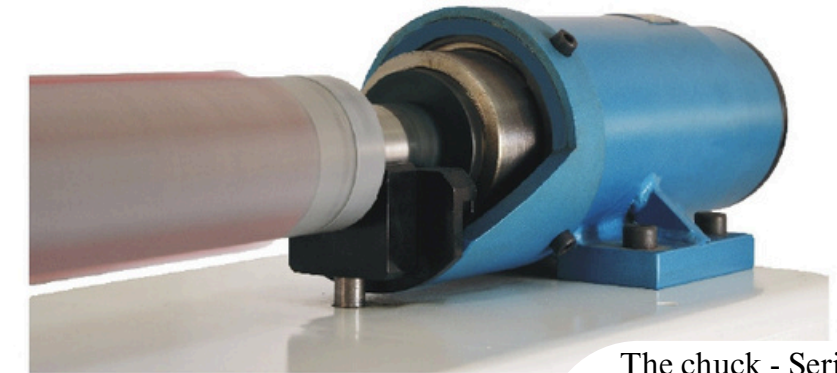


Type 2 - Push button

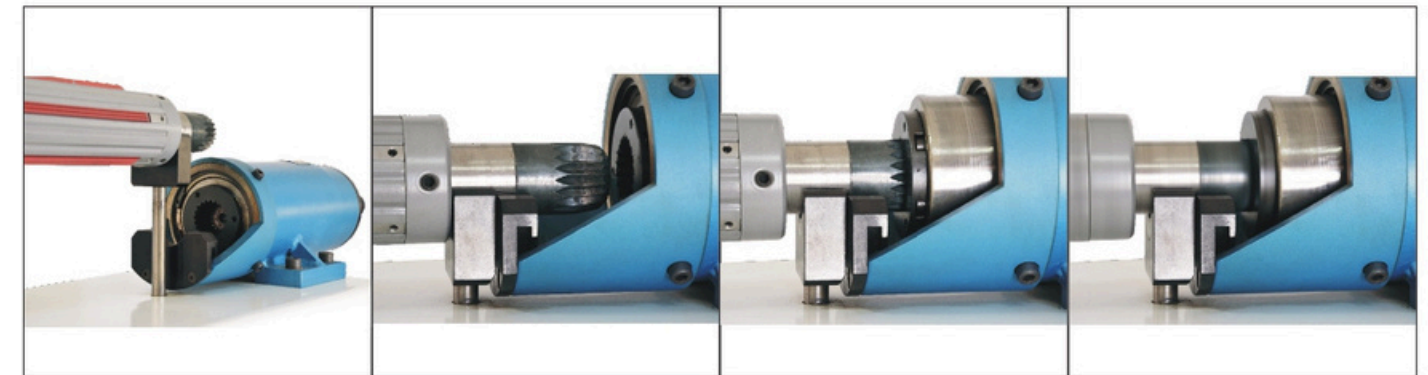
MBC's Patent : Chuck serie 2000

Benefits

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



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



Step 1

Install your shaft
onto the support

Step 2

Start your pneumatic
system

Step 3

Thanks to its conical tip,
the Serie 2000 collects and
centers automatically
the shaft.
The double conical tip
avoids damaging effects on
the notched end

Step 4

Start the rotation.
You now have a smooth
rotation with no
vibration, allowing work
at very high speed, in
safer conditions, with
better performances.

Options available:

Smooth shaft support



Shaft support with journal
bearing



Expansible head
with shells



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 reinforced aluminium :
+ 35 % load
- 40% bending
for the same weight as 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.



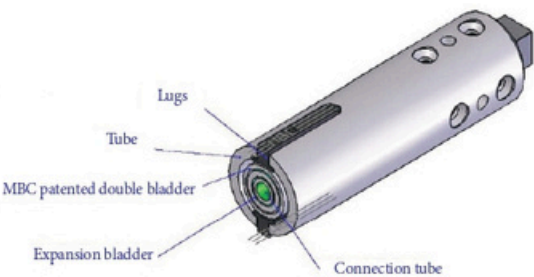
Expansible airshafts allows the inner core
to mold the shaft and to exert winding &
unwinding operations.

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

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

MBC's Patents

Airshaft with lugs



Strenghtness

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



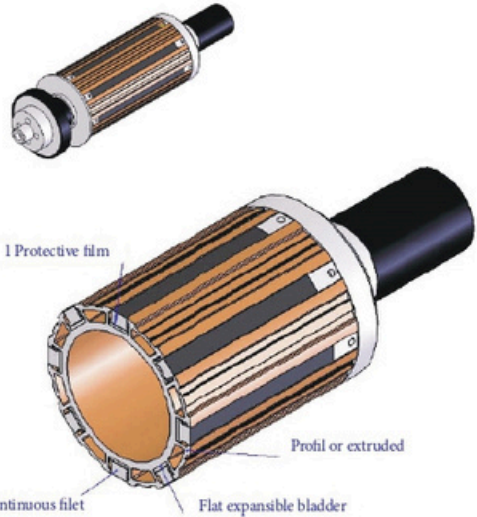
Easier maintenance

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



Expansible head



- Cantilevered work
- Rigidity & adaptability
- Stationary bar

Sleeve



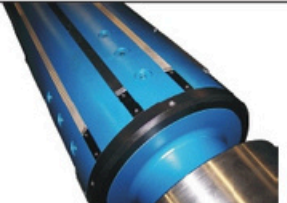
- Quick use
- Change of \varnothing if desired
- Easily switch from $\varnothing 74$ mm to $\varnothing 150$ mm

Airshaft with shells



- Protects the final product
- Thin core thickness
- Can be used without any cores

Design for paper industry



- Locking & centring continuous fillets
- 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

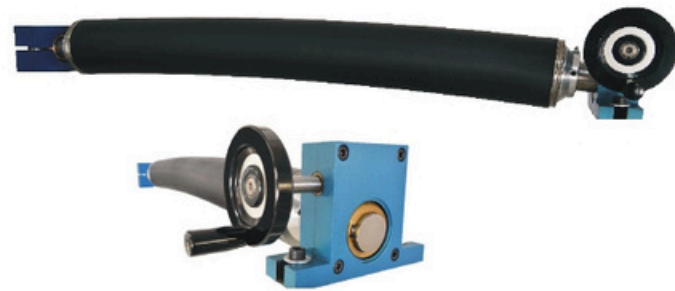
SPREADER ROLLS

Get the best spreading system for your material.

A good spreading is achieve by selecting the right material suited to your product as well as the type of fold.

MBC offers 4 kinds of spreader rolls, each tailored to specific application.

Curved spreader roll or Banana roll



Spreader roll with stainless steel laths



Benefits

- Operates by deformation
- The most versatile of our spreader rolls (moisture, corrosive..)
- Various coatings or fully made of stainless steel
- Fixed or variable curvature

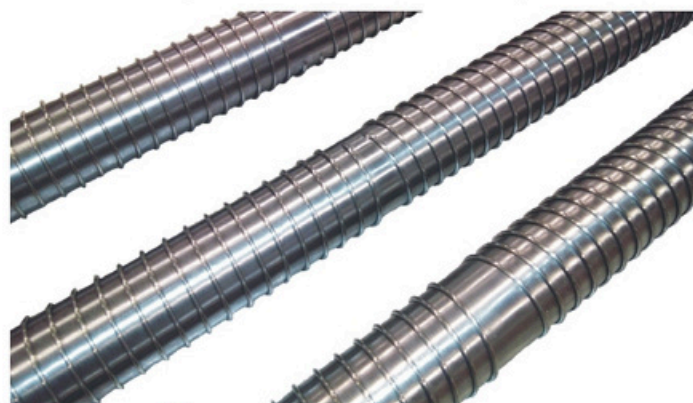
Benefits

- Operates by spreading
- Suitable for heavy and delicate materials
- Various coatings for the laths

Spreader rolls with ropes



Spiral spreader rolls (machinated or add-on)



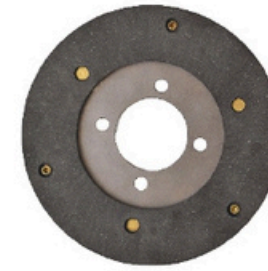
Benefits

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

Benefits

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

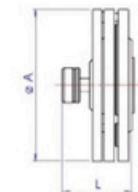
BRAKES



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

Looking for even more accuracy?
We also offer multi-piston and electric brakes.
Do not hesitate to contact us !

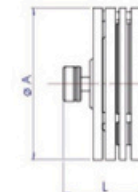
Mono-disc



Power	øA	L
40 Nm	145	100
70 Nm	220	100
480 Nm	300	100



Bi-disc

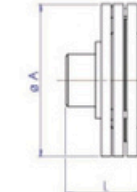


Power	øA	L
90 Nm	145	125
180 Nm	220	125
900 Nm	300	125

MANUAL
BRAKE



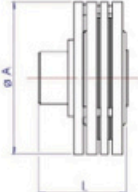
Mono-disc



Power	øA	L
40 Nm	145	125
70 Nm	220	125
480 Nm	300	125



Bi-disc



Power	øA	L
90 Nm	145	145
180 Nm	220	145
900 Nm	300	145

PNEUMATICAL
BRAKE



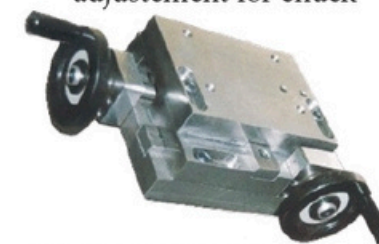
Miscallaneous

- Anti-static Material
- Tension Control

Guiding roll



Support base axial and or radial
adjustement for chuck



Mechanical head expansion
with torque



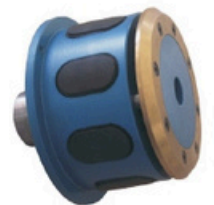
Trolley and/or frame design



Mechano pneumatic
reel riser or manual



Mechanical head with axial thrust



Shaft with bearing case for cantilevered
unloading



Fiberglass Core



Aluminium locking cones



GLOBAL PRESENCE



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Alexis DLOUHY

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Christian GUTTIN

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