

## Equipment winding - unwinding

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



**MECHANISM  
BLOCKING  
CONTROL**

**Spreading**

**Unwinding**

Safety chuck  
(p4 et 5)

Guiding roll  
(p11)

Expansible shaft with lugs  
(p8 et 9)

**All Brands  
Appliance  
Service**

# Our Business

Safety chuck with shaft end for motorisation (p6)

Expansible airshaft with continuous filets (p7 & 8)

Spreader roll (p10)

Brake (p11)

**Winding**

**Braking**

French manufacturer since 1983, MBC GUTTIN assists its 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.

PLASTIC PROCESSING / PRINTING INDUSTRY / PACKAGING INDUSTRY

# SAFETY CHUCKS

## Benefits



### Made in France

100 % steel

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

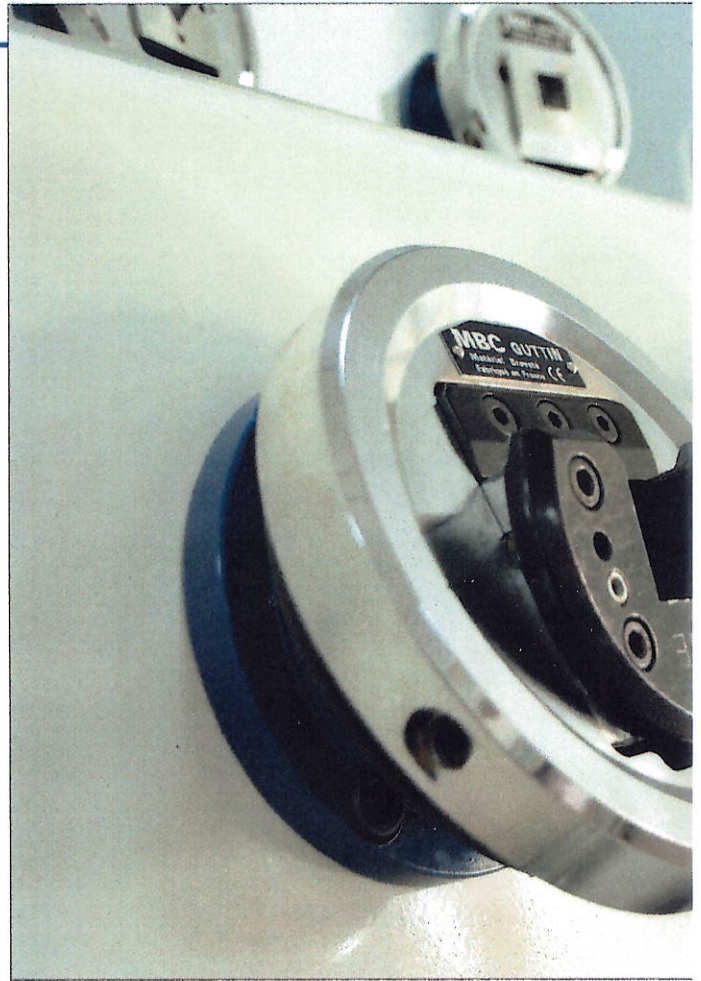
### Safety

A chuck that closes itself !



A chuck that protects from everyday little  
accidents !

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



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



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.

## Available goods

### Manual chuck

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

### Pneumatical chuck

- Pneumatical chuck simple or double effect
- Pneumatical selcentring and multifunction

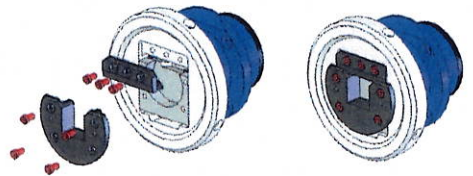
## Patents MBC



### Easier maintenance

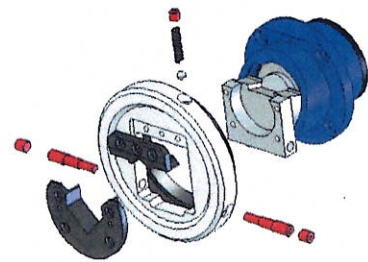
A chuck design to optimize your maintenance time. Gain nearly 15 minutes on the change of your wear parts.

7 screws and a disassembly only by the front face !



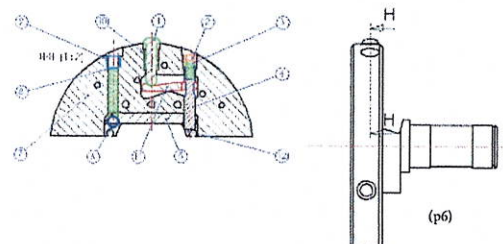
### Easier maintenance

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.

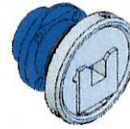
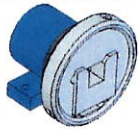


# Choice of options :

## Choose your fixation type :



Foot  
(serie 150)



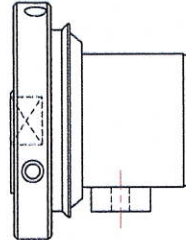
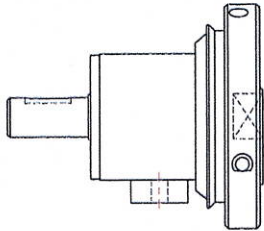
Flange  
(serie 250)



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



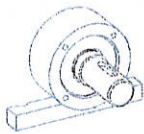
Chuck with shaft  
end = SFE/G



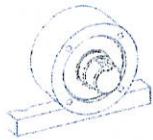
Chuck without shaft  
end = SFE



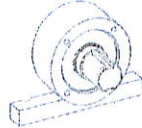
## If with shaft end, choose the type best suited for your application :



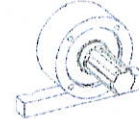
STD



MD



BD



AC

Other applications  
on demand

## Choose your geometry :

### WITHOUT wear parts



Type A

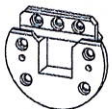


Type E

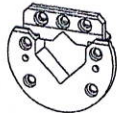


Type B

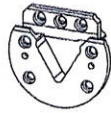
### WITH wear parts



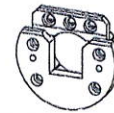
Type APU



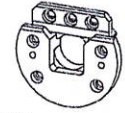
Type EPU



Type BPU



Type AVPU

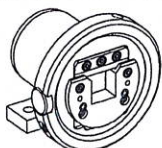


Type AWPU

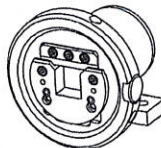
## Choose your anti opening system :



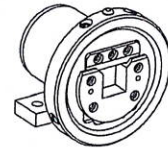
Type 1 - Left knurl



Type 1 - Right knurl



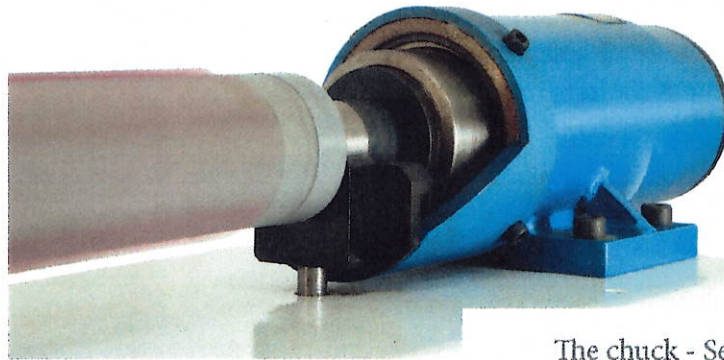
Type 2 - Push button



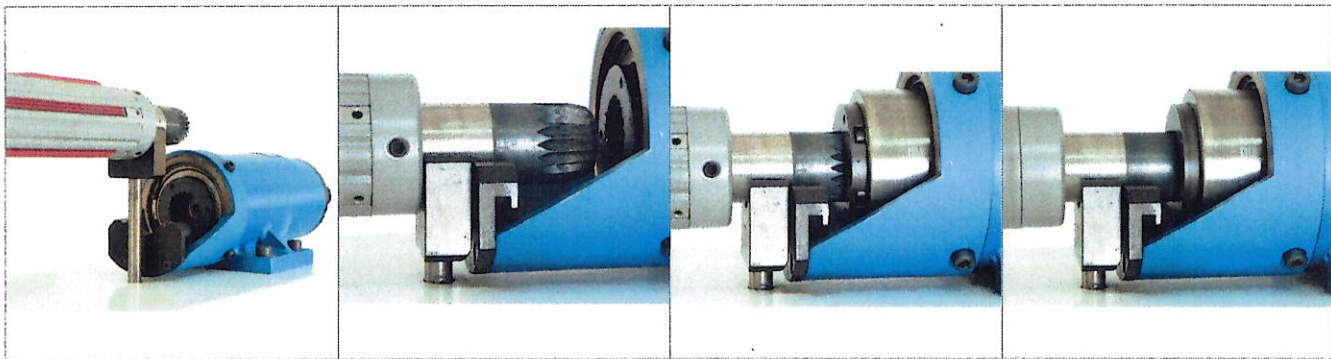
# Patent MBC : Chuck serie 2000

## Benefits

- Work at high speed
- No vibration
- Selfcentring of the shaft
- Multifunctions



The chuck - Serie 2000 & 2100 is a pneumatical chuck which allows an ease of handling and enhances performances.



Step 1

Step 2

Step 3

Step 4

Install your shaft on the support

Start your pneumatical system

Thanks to its 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.

### Various options :

Smooth shaft support



Expansible head with shells



Shaft support with journal bearing



Expansible head with lugs



# EXPANSIBLE MATERIALS

## Benefits



Made in France  
since 1983

Engineering Department  
Custom made - Repairs

Lightness : MBC Guttin  
thinks about your users !



R&D (Research & Development) 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 filets

### Choose your shaft end :

Square - triangle - double  
geometry or custom made.

### Expansible head



- Cantilevered work
- Rigidity & adaptability
- Stationary bar

### Sleeve



- Fast rapid use
- Change of  $\phi$  if desired
- Easily switch from  $\phi 74$  mm to  $\phi 150$  mm

### Airshaft with shells



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





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 desire shaft end with all your specifications needed for your application.

## Design for paper industry



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

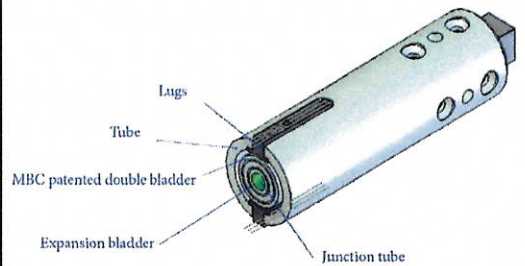
## Friction bar



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

## Patent MBC

### Airshaft with lugs



### Strengthness

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

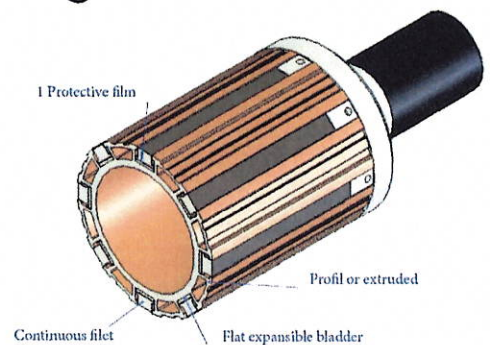


### Easier maintenance

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

## Design

### Airshaft with continuous filets



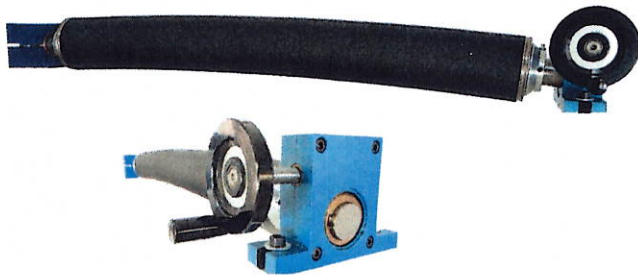
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Tél : + 33 (0) 4 76 32 07 82 - Fax : + 33 (0) 4 76 32 29 56  
www.guttin.com - mbc@guttin.com

# SPREADER ROLLS

Obtain 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 offers 4 kinds of spreader rolls, all specific to each application.

Curved spreader roll or Banana roll



## Benefits

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

Spreader roll with stainless steel laths



## Benefits

- Acts by spreading
- Advisable for heavy and delicate materials
- Different kinds of coating for the laths

Spreader rolls with ropes



## Benefits

- Acts by spreading
- Ideal for technical textiles & delicate materials
- Polyvalent (film, plastic...).
- Different kinds of ropes

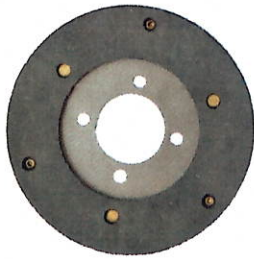
Spiral spreader rolls  
(machinated or add-on)



## Benefits

- Acts 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



Master the tension of your product thanks to our MBC braking system. At MBC we offer a ferrodo 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 !

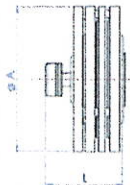
Mono-disc



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

*MBC  
Cuttin*



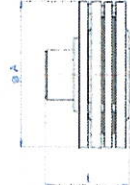
Mono-disc



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

*MBC  
Cuttin*

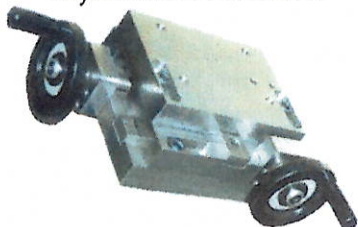


# Miscellaneous

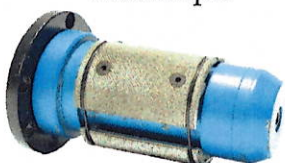
Guiding roll



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



RESALE

Mechanical head with axial thrust



Shaft with bearing case for cantilevered  
unloading



Aluminium locking cones



- Anti-static Material
- Tension Control

# GLOBAL PRESENCE

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<b>Administrative</b>	<b>Commercial Assistant Export Dpt :</b> <i>Sandra MATTEI</i>		<b>Technical &amp; After sales</b> <i>Aimé CHEGUT</i>
<i>Isabelle LECUYER</i>			<b>Quality &amp; Production Manager</b> <i>Gérard REYNAUD</i>
<b>Compagny Fonder &amp; Consultant</b> <i>Christian GUTTIN</i>			

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