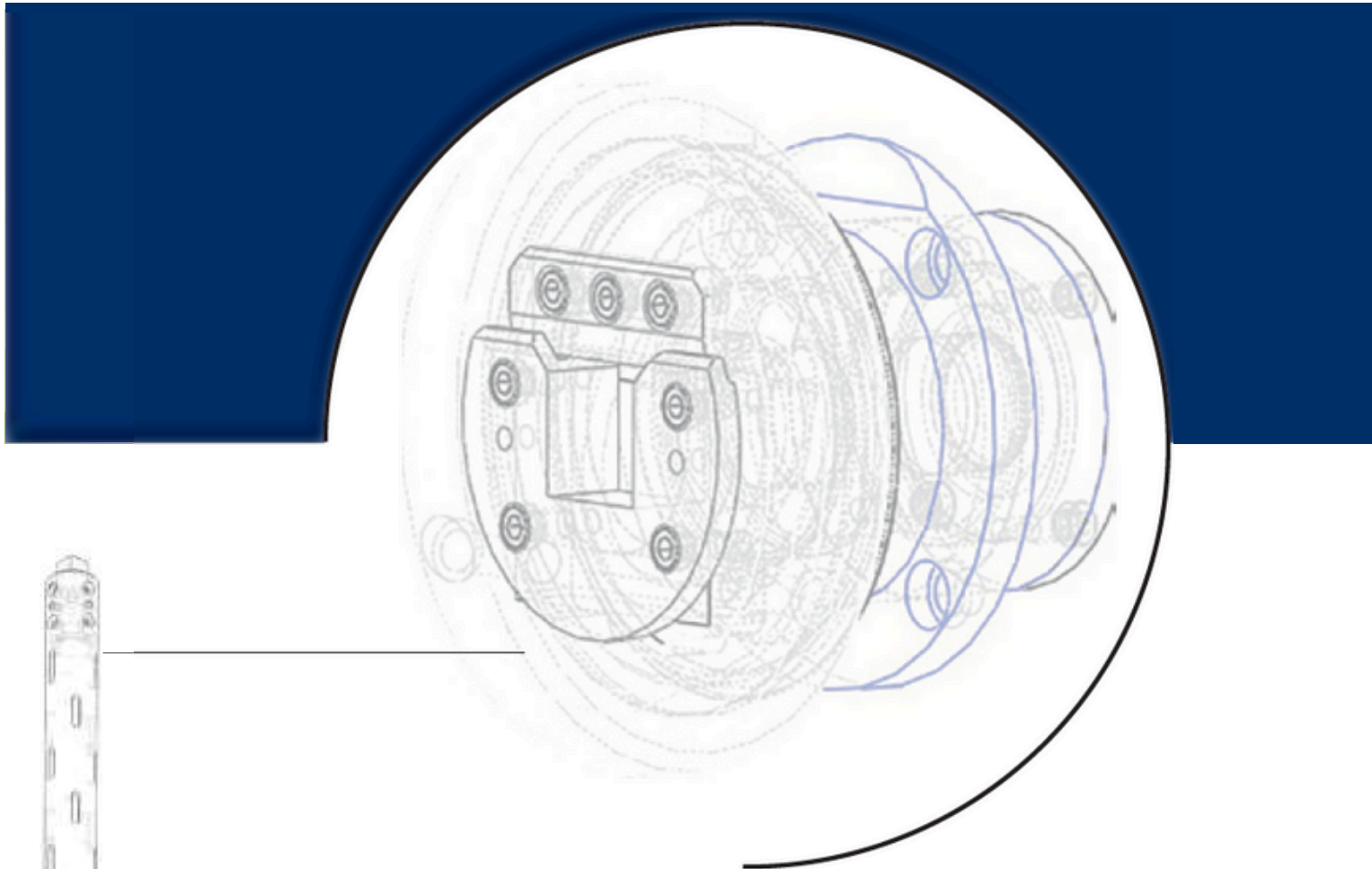




WINDING - UNWINDING EQUIPMENT

French Manufacturer of Expandable Airshafts - Safety chucks - Brakes - Spreader rolls



MECHANISM
BLOCKING
CONTROL

PRESENTATION

The Company



A passion, A family story

Founded in 1983 by Mr Christian Guttin, the company has grown and become a reference in its market.

We are a major player in its field of specialisation. The MBC company was build on the knowledge of the Guttin family and continues its development under the leadership of Sirs Fabrice and Stéphane Guttin. A family story ongoing !

A know-how and an expertise in its area.

With more than 32 years of activity, MBC Guttin provides new solutions for manufacturing processes, with collaborators who have sometimes been with us for years. MBC keeps integrating new talents to carry-on this legacy.

Today, MBC Guttin is the number one reference for long-standing customers relationship with companies like Airbus, Michelin, etc...

MBC for its customers !

The Philosophy of MBC Guttin resides in continuous improvement and customer care. We believe that our job is to facilitate yours. MBC has developed more than 6 patents in order to stream line and optimize your processes.

How ? By improving ergonomics, usability, safety, maintenance and durability of our products. 6 patents, 6 technologies designed by MBC, this is what we provide you.

Our fields of business

MBC Guttin operates in many fields such as :

- Paper Converting
- Textile Industry
- Rubber Industry
- Plastic Industry
- Printing Industry
- Packaging Industry
- Food Industry

The Philosophy of MBC Guttin

Made in France

Products developed, studied, designed and manufactured in France.



Ecological approach

French raw materials - Waste recycling.



Social approach

Loyal teams and talent acquisition.



Constant improvement

Patents, listening to customer expectations and prototype design.



Our daily work is to serve you better tomorrow !

Safety of people

MBC Guttin controlled blocking mechanism ensures the safety of its users.

Prevention
is key, MBC makes it its ally!

Patents - Control and Certification are
in place !



Performance

MBC works on patents, process optimization, opening system, maintenance processes, that will save you valuable minutes in your production. Our expertise has allowed us to develop more than 6 patents to improve your productivity.



Ergonomics at work

MBC Guttin cares about the constraints of hard work, this is why our ranges evolves to meet to expectations of our customers.

We reduce the efforts associated
with carrying heavy loads.



Precision and Adaptability

MBC uses its R&D to provide you with precision products that we are sometimes the only one to offer.

And if we don't do it yet ?
Let's create it together !

MBC studies all your requests to provide the customized solution that suits you.



Services

- Customer Service
- Design Office
- Sales Departement

The strength of a large group
and the proximity of a SME.

MBC Guttin provides you the best of its know-how and puts it at your service for strong and lasting relationships.



Safety-Chuck

Manual

Safety- Chuck



The MBC Safety Chucks (locking control mechanism) have been created to perform all your winding and unwinding actions. Its automatic locking system protect you from any incidents. Your security is the most important thing for us ! Discover all our designs and find the best solution for your installation.

What is an MBC GUTTIN Safety Chuck ?



Security

Safety Chucks lock up as soon as they are rotated in case the user forgets to close them manually

Safety Chuck that protect against small everyday incidents!
Chucks with several security options, featuring different types of locks



Maintenance

Safety Chucks designed to optimize your maintenance time
Save almost 15 minutes when changing your wear parts

Only 7 screws and one disassembly from the front side

A patented system you won't find anywhere else!



A Safety Chuck made in France

Safety Chucks 100% steel
Rise up in place of all

Facilities : replacement - custom - repair

Safety Chucks with possibilities of options that prove themselves since 1983

A complete product range that continues to evolve

SAFETY CHUCKS

Manuals

Safety Chuck pivoting disc
(serie 150 -250)



Safety Chuck with sliding
(serie 160 -260)



Safety Chuck with axial adjustment
(serie 1150 -1250)



Create your Safety Chuck

MBC Guttin Offer

MBC Guttin undertakes to carry out a feasibility study
for all your requests

Contact us : +33 (0)4 76 32 07 82

Fax your expectations : + 33 (0)4 76 32 29 56

Or send us an email : mbc@guttin.com

1. Choose your serie :



Manual Safety Chuck



Pneumatic Safety Chuck



**Safety Chuck
with pivoting
disk**



**Safety Chuck
with slidding**



**Safety Chuck
with axial
adjustment**

- ☐ Stroke 50 mm
- ☐ Stroke 100 mm



**Pneumatic Safety
Chuck with sliding
disk, simple or
double effect**



**Self-centring and
multifunction
Pneumatic Safety
Chuck**

2. Choose your Model :

	MODEL	ROLL WEIGHT	TORQUE	SQUARE SIZE
☐	14 – 20	150 kg	40 Nm	14 to 20 mm
☐	18 - 25	400 kg	120 Nm	18 to 25 mm
☐	20 - 30	800 kg	185 Nm	20 to 30 mm
☐	30 - 40	1 600 kg	350 Nm	30 to 40 mm
☐	40 – 50	2 850 kg	1100 Nm	40 to 50 mm
☐	50 – 80	7 200 kg	2350 Nm	50 to 80 mm
☐	80 – 120	11 500 kg	9000 Nm	80 to 120 mm
☐	120 – 180	22 000 kg	20000 Nm	120 to 180 mm
☐	180 - 230	60000 kg	40000 Nm	180 à 230 mm

You can choose your Options



SAFETY CHUCK :

... - ...

Choice of Options:

Technical specifications:

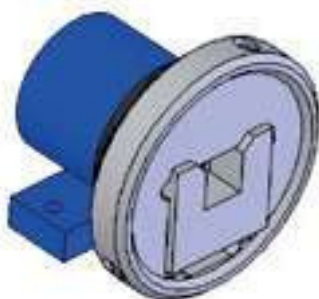
- Max weight of the roll :Kg
- Max Torque:Nm
- Choose your square size :mm
- Other :
- (if replacement, indicate the serial number) :

Choose your fixing type:



Foot

(serie 150)
(serie 160)
(serie 1150)
(serie 2000)
(serie 2200)
(serie 2400)

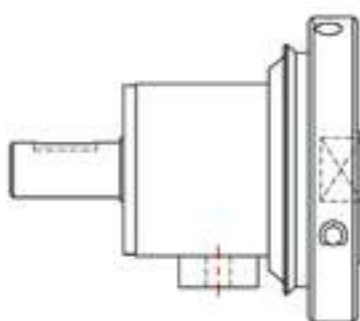


Flange

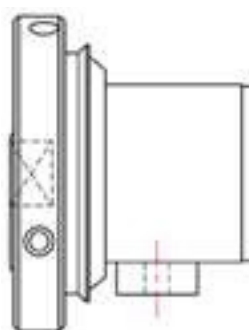
(serie 250)
(serie 260)
(serie 1250)
(serie 2100)
(serie 2300)
(serie 2500)



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



Chuck with shaft
end = SFE/G

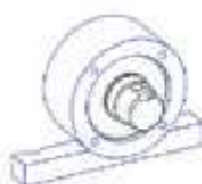


Chuck without shaft
end = SFE

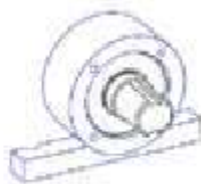
If with shaft end, choose the type best suited for your application:



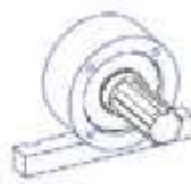
STD



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 VPU
ex : AVPU,
EVPU or BVPU



Type WPU
ex : AWPU,
EWPU or BWPU

Choose your anti opening lock



Type 1 - Left Knurl



Type 1 - Right Knurl



Type 2 - Push Bouton

Summary :

Fastening	☐ Foot (ex: serie 150)			☐ Flange (ex: serie 250)				
End shaft	Without (SFE)			With end shaft (SFE/G)				
	☐ Type A	☐ Type E	☐ Type B	☐ Type APU	☐ Type EPU	☐ Type BPU	☐ Type AVPU	☐ Type AWPU
Anti opening locking System	Knurl			Pushing button				
	☐ Type 1 (left)	☐ Type 1 (right)		☐ Type 2				
Option	☐ Without		☐ Single disk	☐ Two disk		Others :		
Dimensions of the square	 in mm			Comments :				

You create your Safety Chuck !

For any requests, MBC Guttin offers you a feasibility study

Advantages

- + MBC PATENT
- + Balanced Rotation
- + Ease of opening
- + Ease of maintenance
- + Front-facing Disassembly of wear parts
- + 2 half axes integrated in the wheel,
= No impurities
- + Multitude of options



A simple pressure of the palm of the hand
(perfect with locking type A)



Automatic closure in case of user
forgetfulness



Low Maintenance

Dissassembly of the wheels axes and locking ball
becomes child's play



Low Maintenance

The Safety Chucks designed to optimize your
maintenance time
Save nearly 15 min. when changing your wear parts
Only 7 screws and disassembly from the front side



Type of options : Foot or Flange mounted - Choice of Geometry - Wear Parts - Anti Opening system Type 1 or Type 2
- With or without shaft end - Possibility to set position sensors

Safety Chuck

Manual Safety Chuck with sliding disc

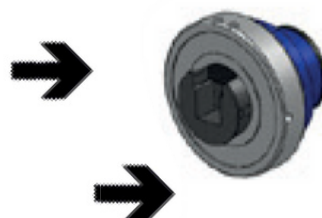
Serie 160 and 260



Advantages

- + MBC Patent
- + Balanced Rotation
- + Front-facing disassembly of wear parts
- + Reduced footprint
- + Option sensor of position

Opening with both hands, right and left,



Automatic closure in case of user forgetfulness



Option Type :

- Foot or Flange mounted
- Choice of Geometry
- Wear part
- Locking Type 1 or Type E
- With or without shaft end
- Possibility to set position sensors



Low Maintenance

Safety Chucks designed to optimize your maintenance time

Save nearly 15 min. when changing your wear parts

Only 7 screws and disassembly from the front side

Create your Safety Chuck !



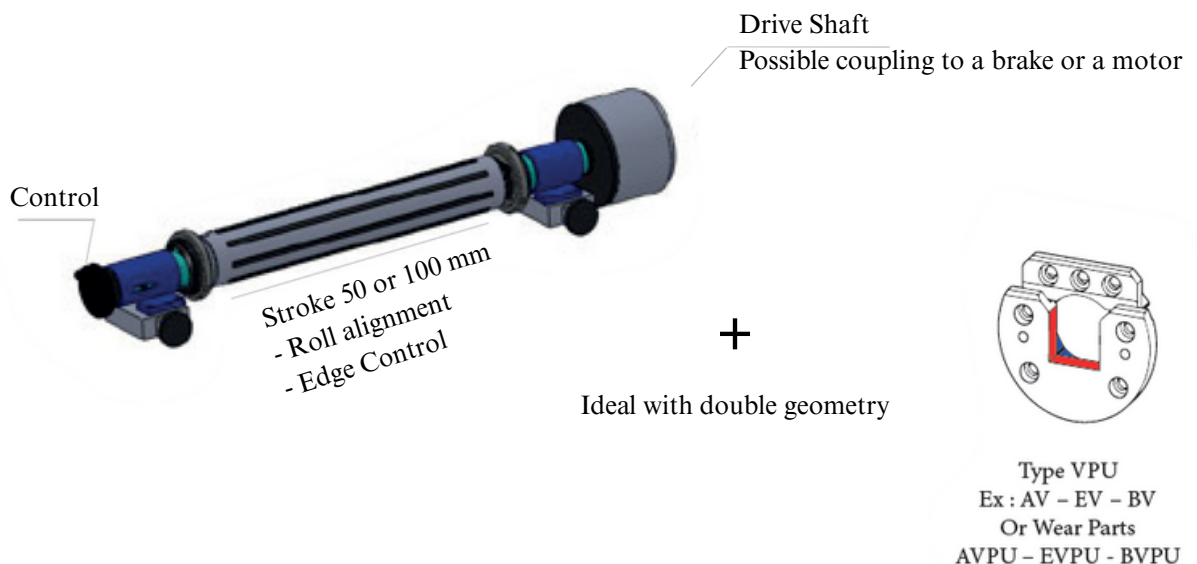
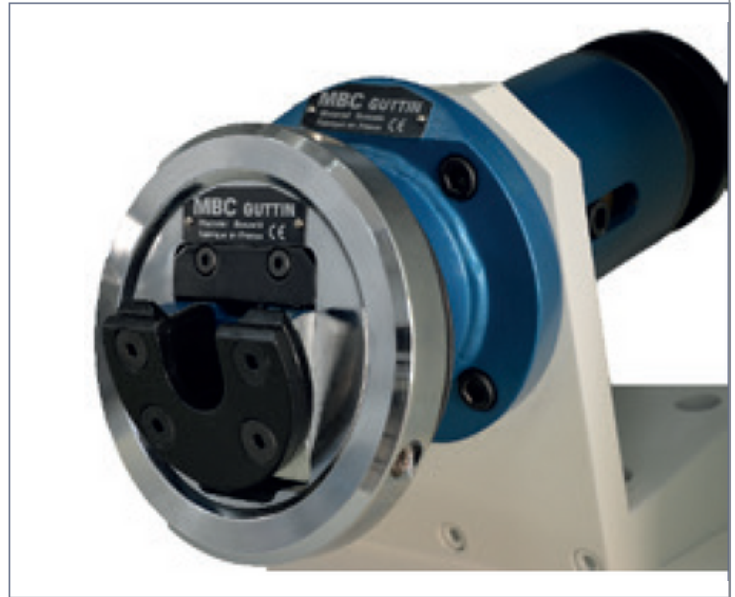
Safety Chuck

Axial sliding Manual Safety Chuck

Serie 1150 and 1250

Advantages

- + MBC Patent
- + Mounted in place of any existing installation
- + Axial adjustment Stroke 50 or 100 mm



Low Maintenance

Dissassembly of the wheels axes and locking ball becomes child's play



Low Maintenance

The Safety Chucks designed to optimize your maintenance time
Save nearly 15 min. when changing your wear parts
Only 7 screws and disassembly only by front side

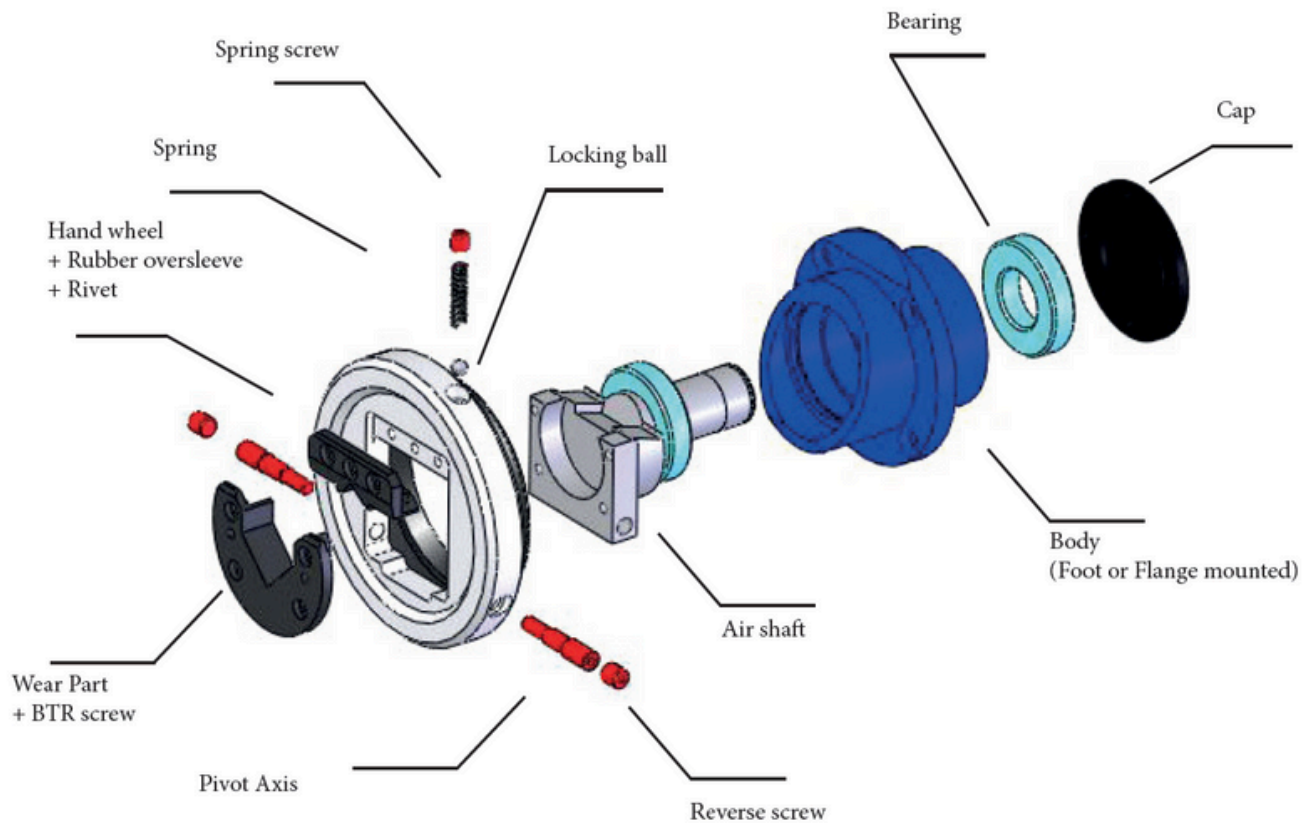


Type of options : Foot or Flange mounted - Choice of Geometry - Wear Parts - Anti Opening system Type 1 or Type 2
- With or without shaft end - Possibility to set position sensors

Composition of an MBC GUTTIN Safety Chuck,

Classic manual Safety Chuck

Identification of the different parts :



Identification of the Wear Parts :

Upper Part

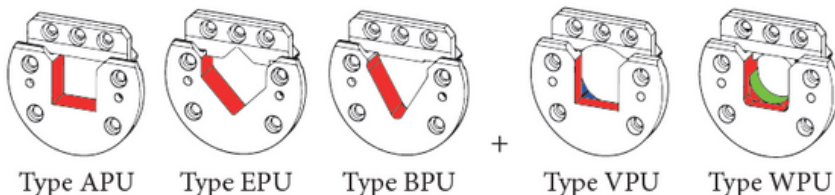
- Exemple -
Safety Chuck Model :
20/30
Type A - PU (Wear Parts)
Square 30 mm

You can have the double geometry option
VPU or WPU (ex : AVPU, EVPU, BVPU)



Identification of the Safety Chuck:

For new Safety Chuck, a label on the body of the chuck indicates its reference. Each reference is unique to each product.

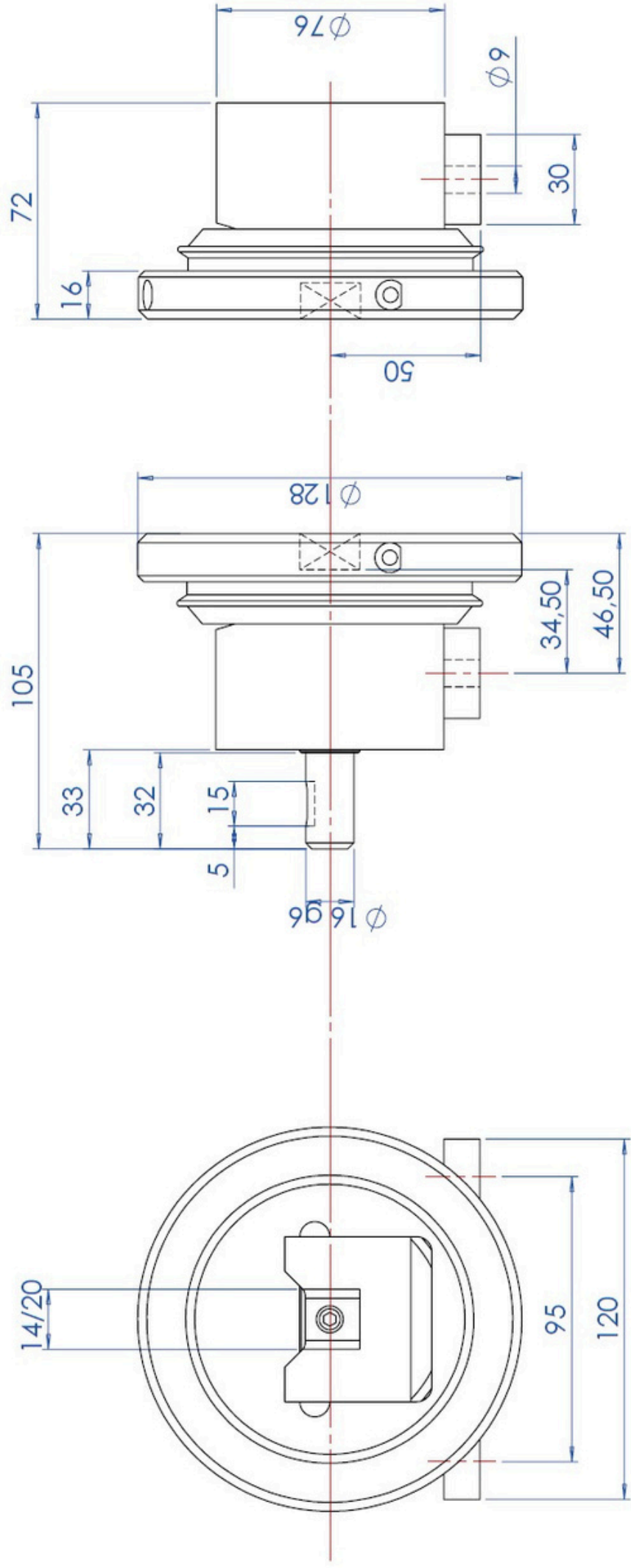


+ possibility of adding a Lock Type 1 or Type 2

Layout map

- Manual Safety Chuck

Chuck serie 150 and 250



SFE/G

SFE



SAFETY CHUCK SERIE 150 14/20

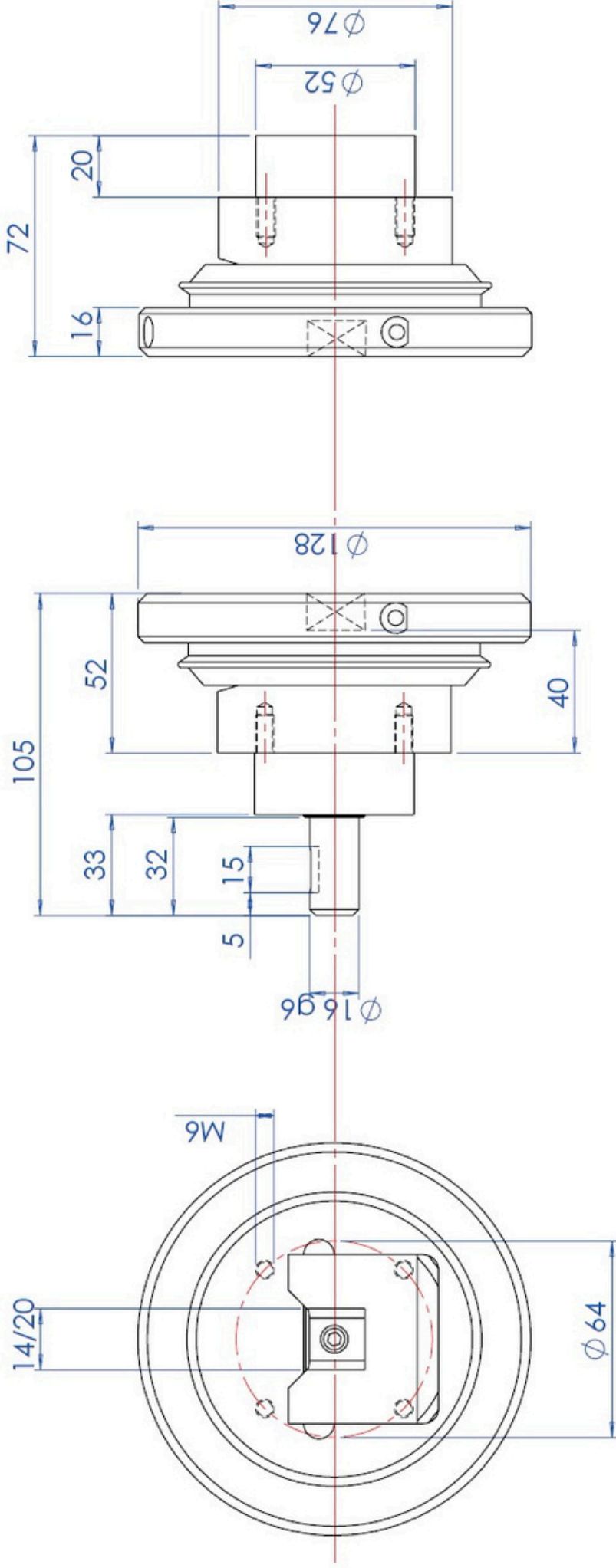
Square : 14 to 20 depth 12

Roll weight : 1 500 N

Torque : 40 Nm

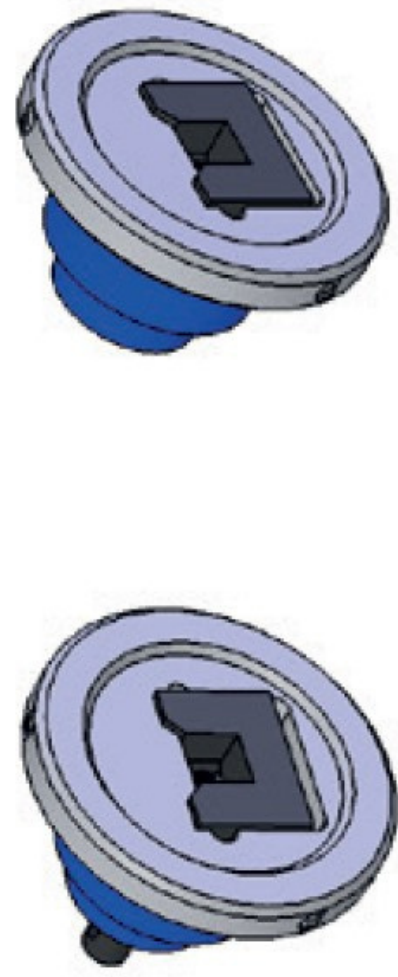
MBC
Guttin





SFE/G

SFE



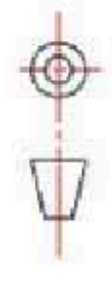
SAFETY CHUCK SERIE 250 14/20

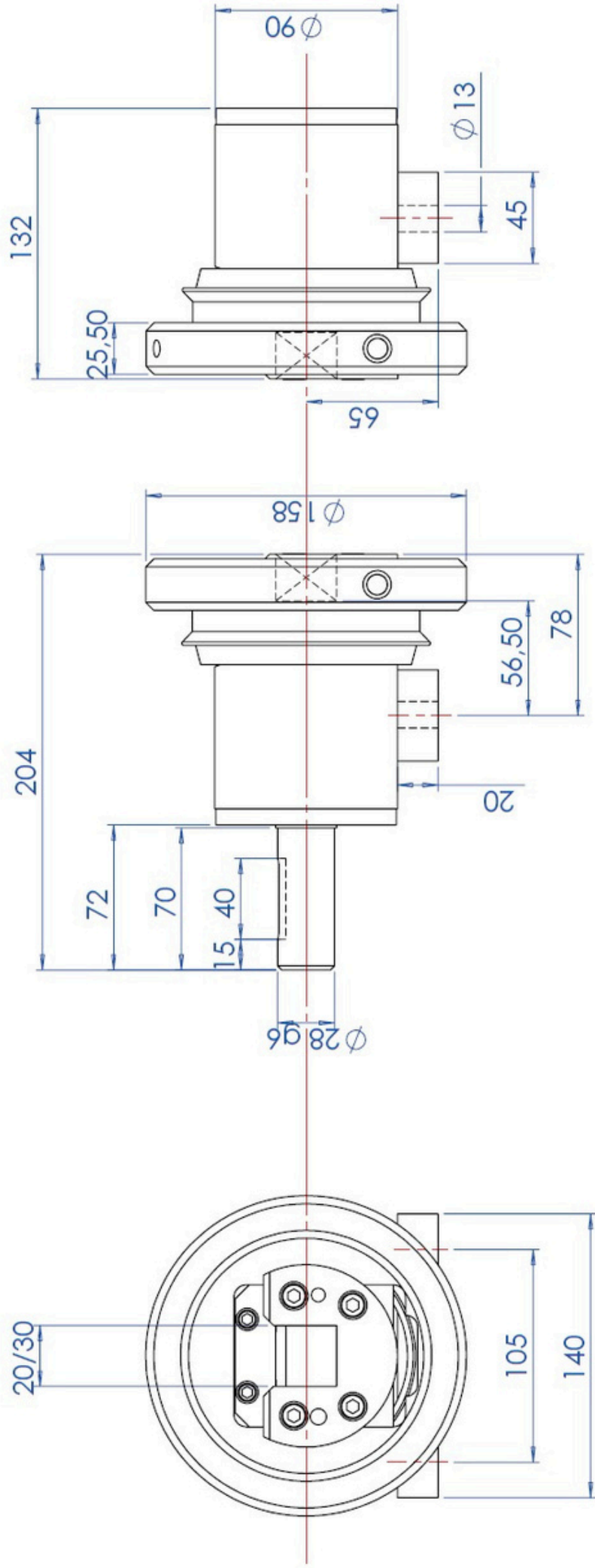
Square : 14 to 20 depth 12

Roll weight : 1 500 N

Torque : 40 Nm

MBC
Guttin





SFE/G

SFE



SAFETY CHUCK SERIE 150 20/30

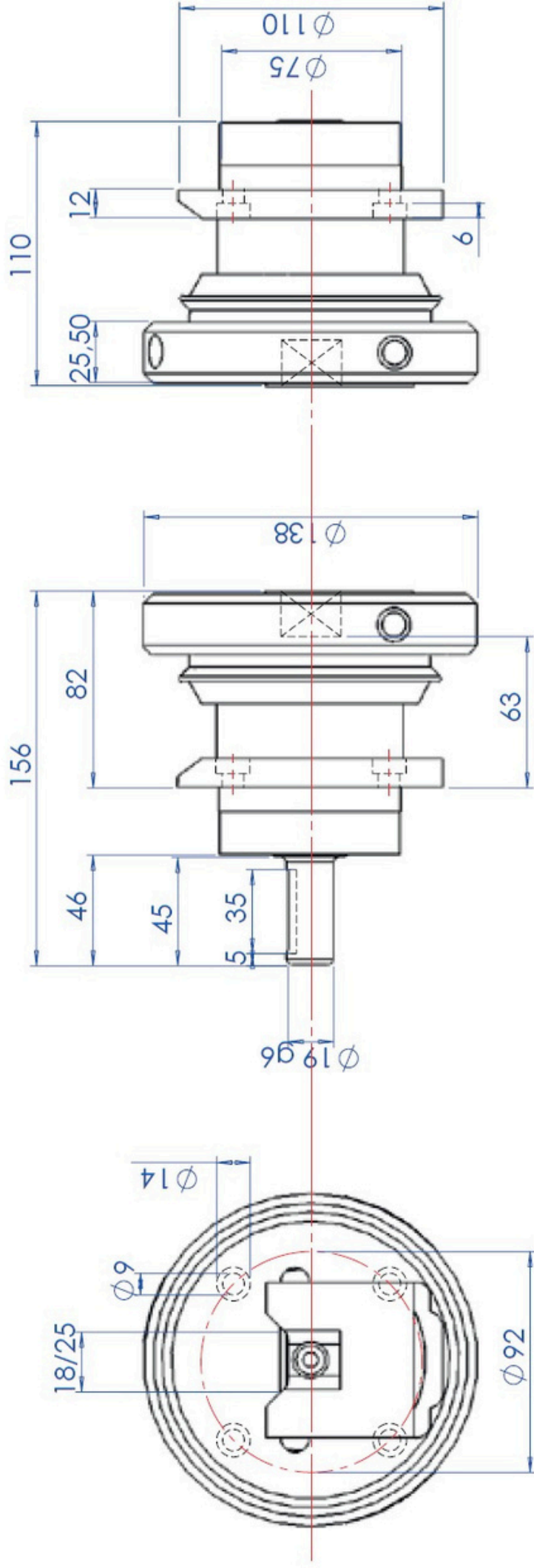
Square : 20 to 30 depth 22

Roll weight : 8 000 N

Torque : 185 Nm

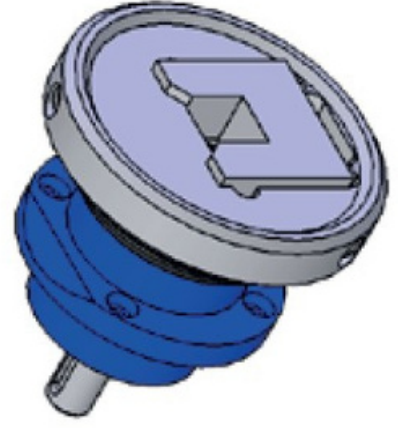
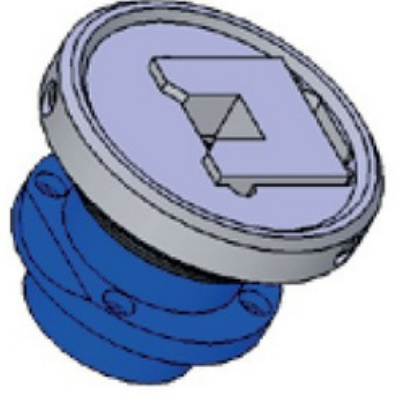
MBC
Guttin





SFE/G

SFE



SAFETY CHUCK SERIE 250 18/25

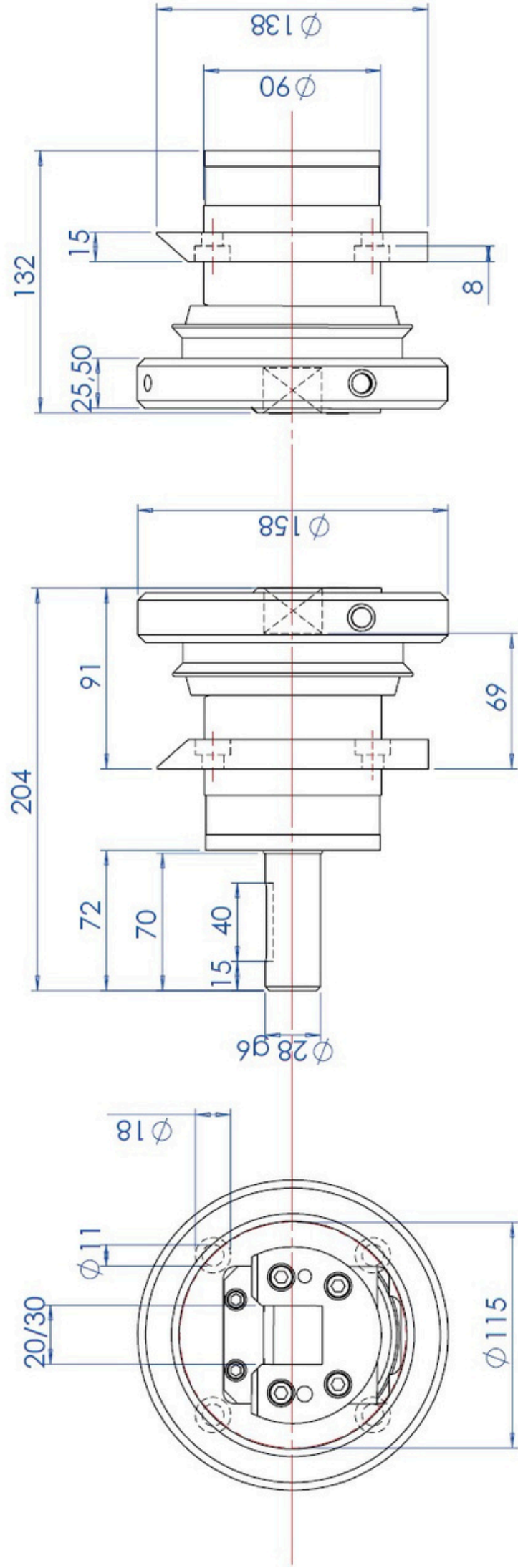
Square : 18 to 25 depth 19

Roll weight : 4 000 N

Torque : 120 Nm

MBC
Guttin





SFE/G

SFE



SAFETY CHUCK SERIE 250 20/30

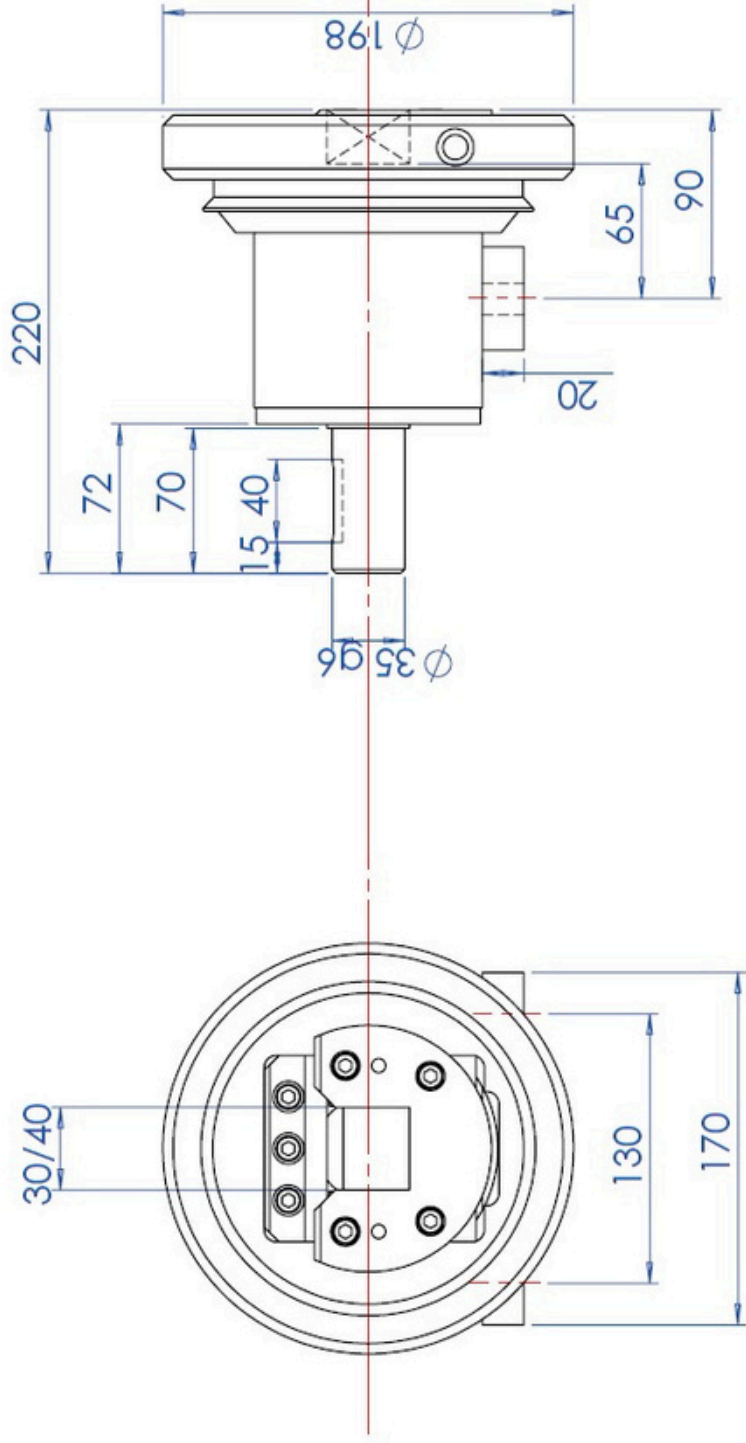
Square : 20 to 30 depth 22

Roll weight : 8 000 N

Torque : 185 Nm

MBC
Guttin





SFE/G

SFE



SAFETY CHUCK SERIE 150 30/40

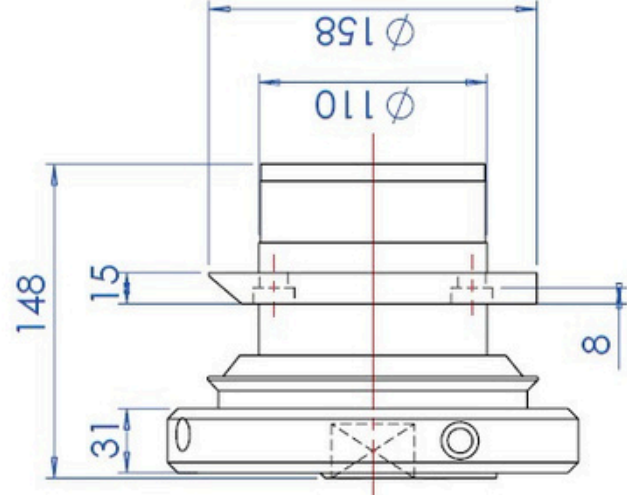
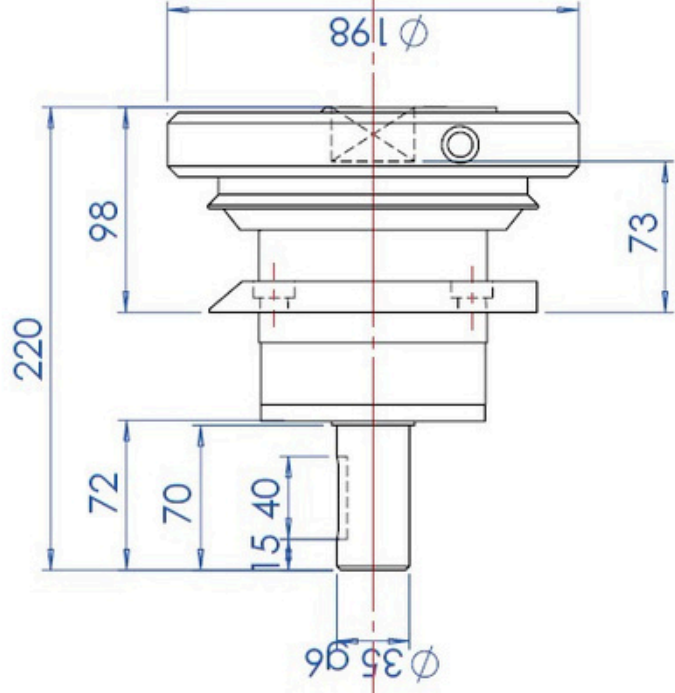
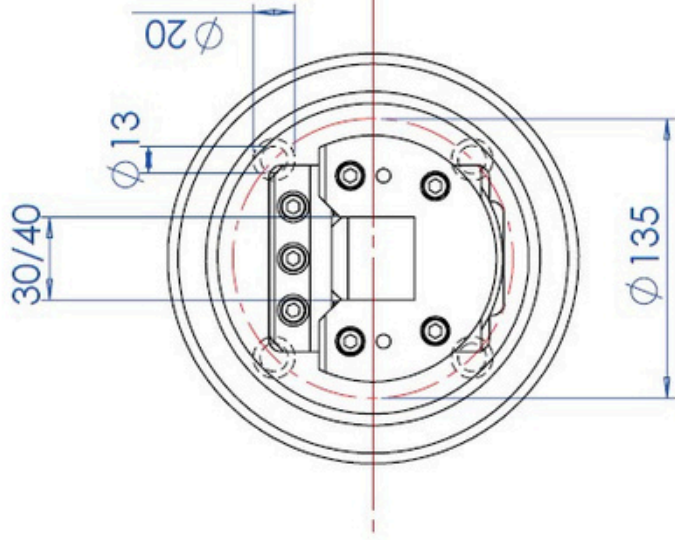
Square : 30 to 40 depth 25

Roll weight : 1 600 N

Torque : 350 Nm

MBC
Guttin





SFE/G

SFE



SAFETY CHUCK SERIE 250 30/40

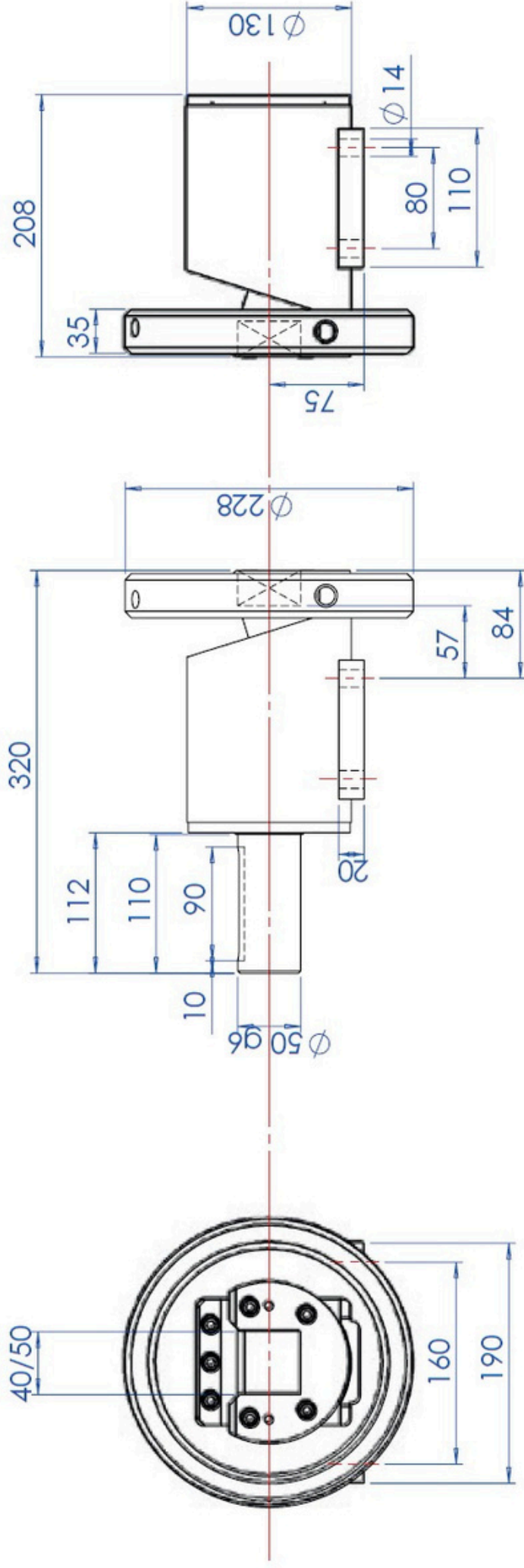
Square : 30 to 40 depth 25

Roll weight : 1 600 N

Torque : 350 Nm

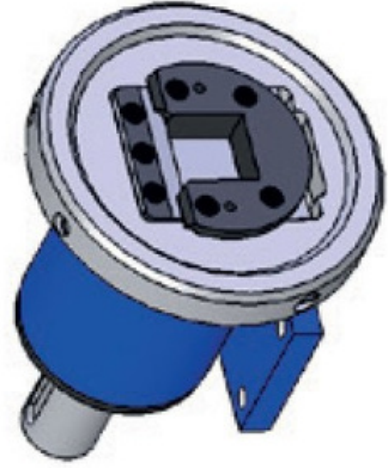
MBC
Guttin





SFE/G

SFE



SAFETY CHUCK SERIE 150 40/50

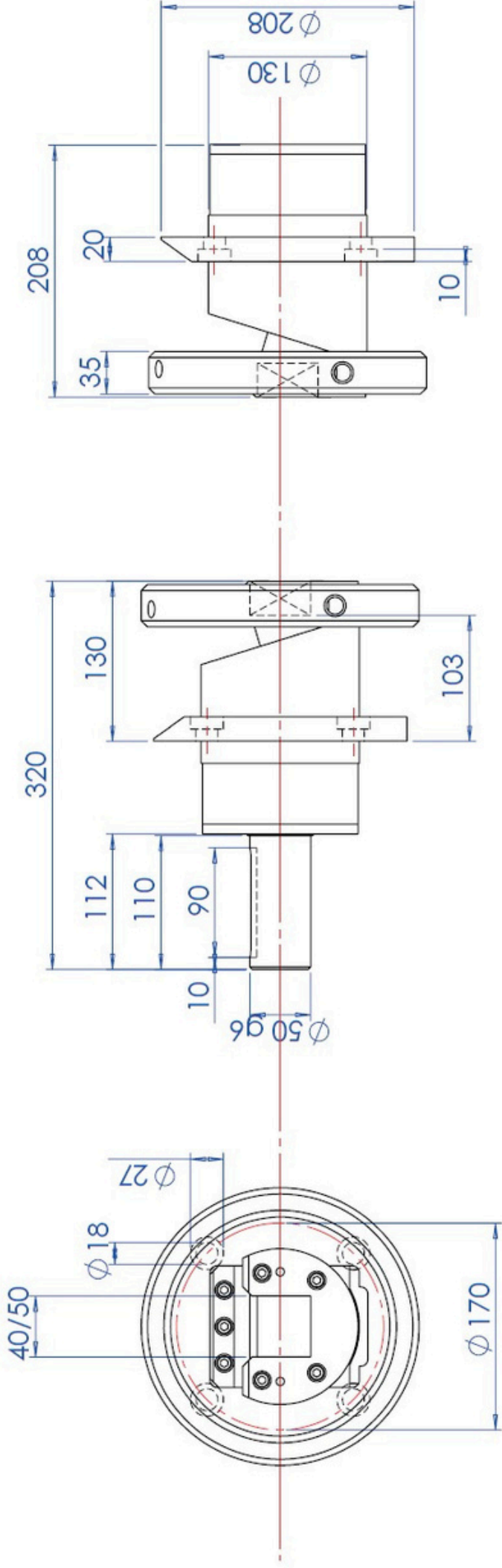
Square : 40 to 50 depth 27

Roll weight : 28 500 N

Torque : 1 100 Nm

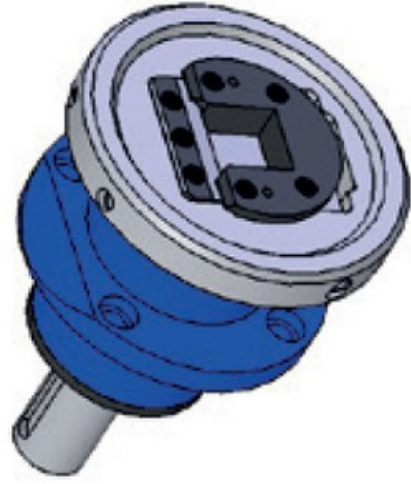
MBC
Guttin





SFE/G

SFE



SAFETY CHUCK SERIE 250 40/50

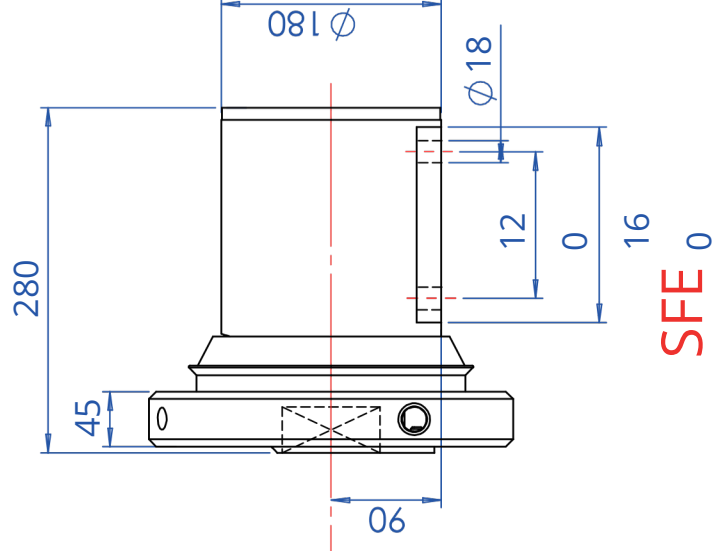
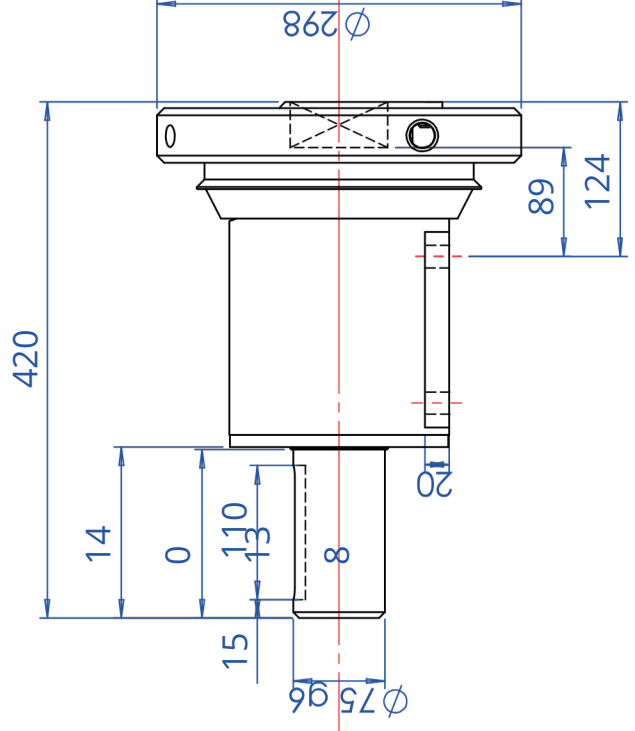
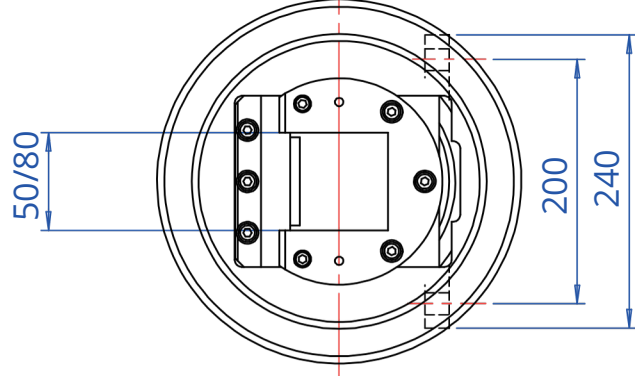
Square : 40 to 50 depth 27

Roll weight : 28 500 N

Torque : 1 100 Nm

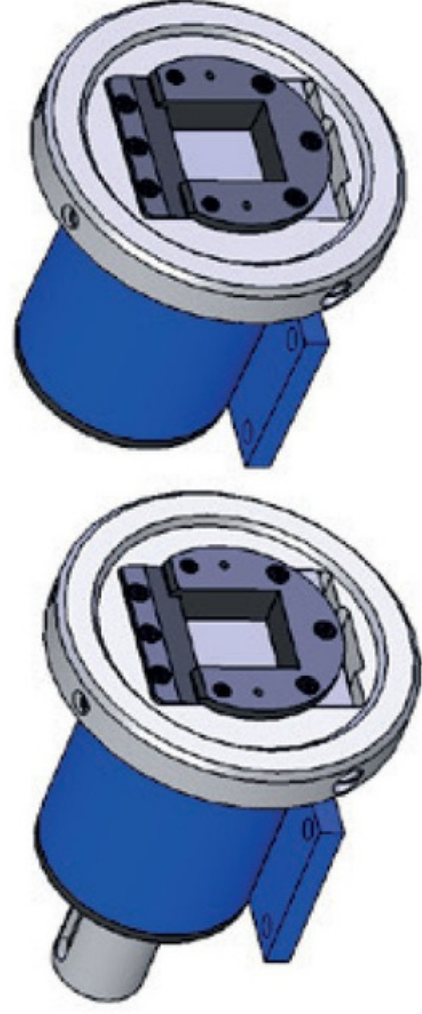
MBC
Guttin





SFE/G

SFE 0

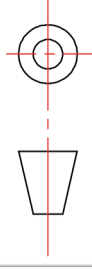


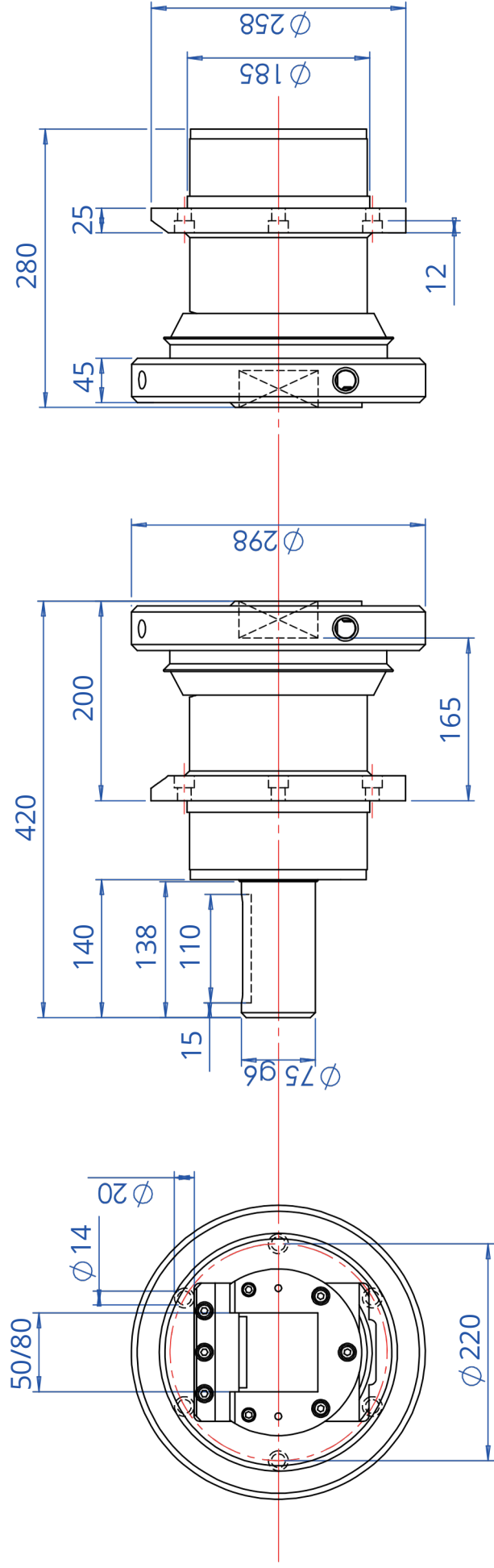
SAFETY CHUCK SERIE 150 50/80
 Square : 50 to 80 depth 35

Roll weight : 7 200 N

Torque : 2 350 Nm

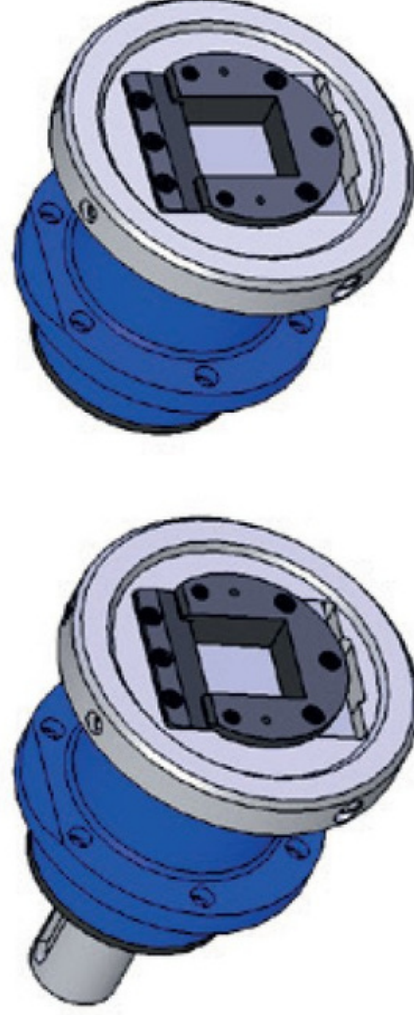
MBC
 Guttin





SFE/G

SFE



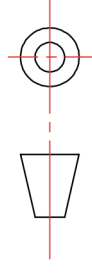
SAFETY CHUCK SERIE 250 50/80

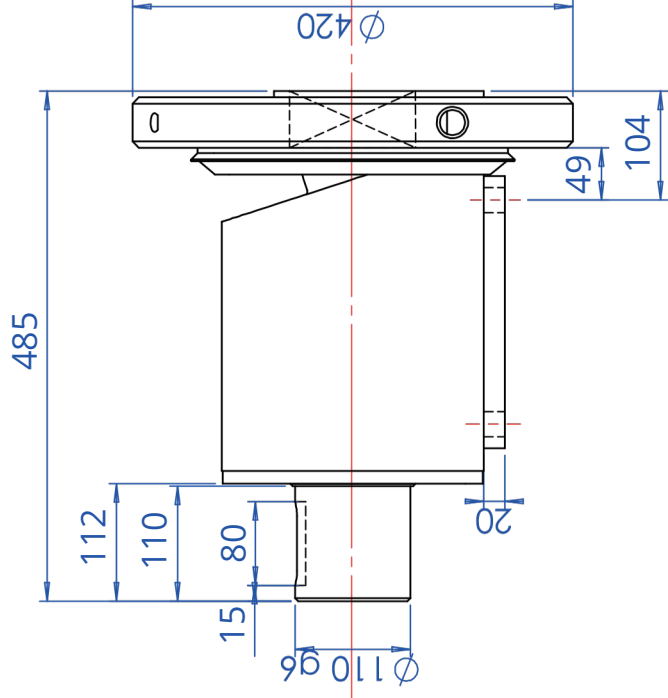
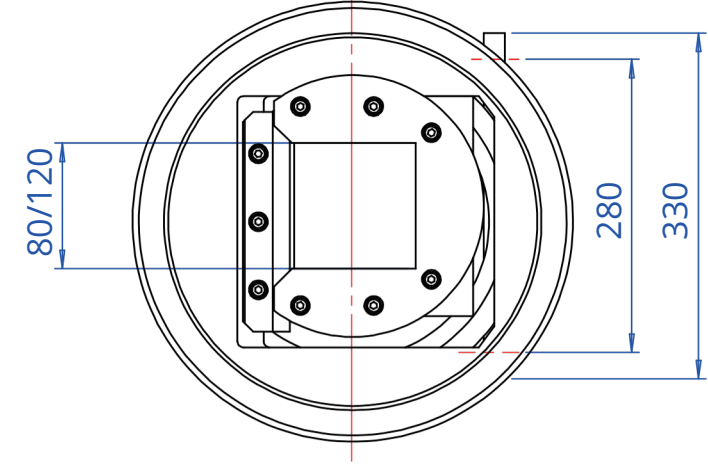
Square : 50 to 80 depth 35

Roll weight : 7 200 N

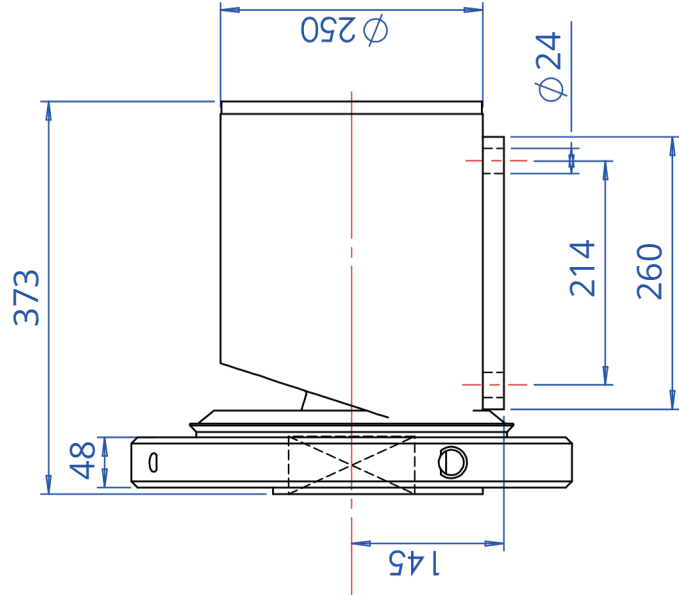
Torque : 2 350 Nm

MBC
Guttin

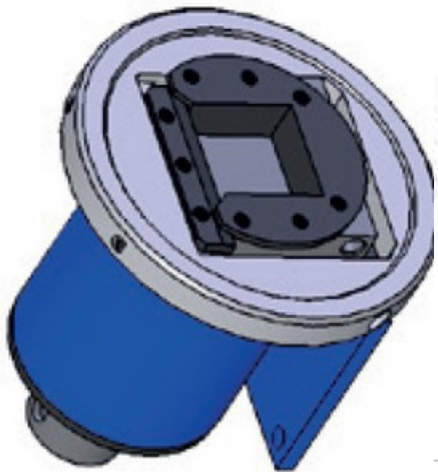




SFE/G



SFE



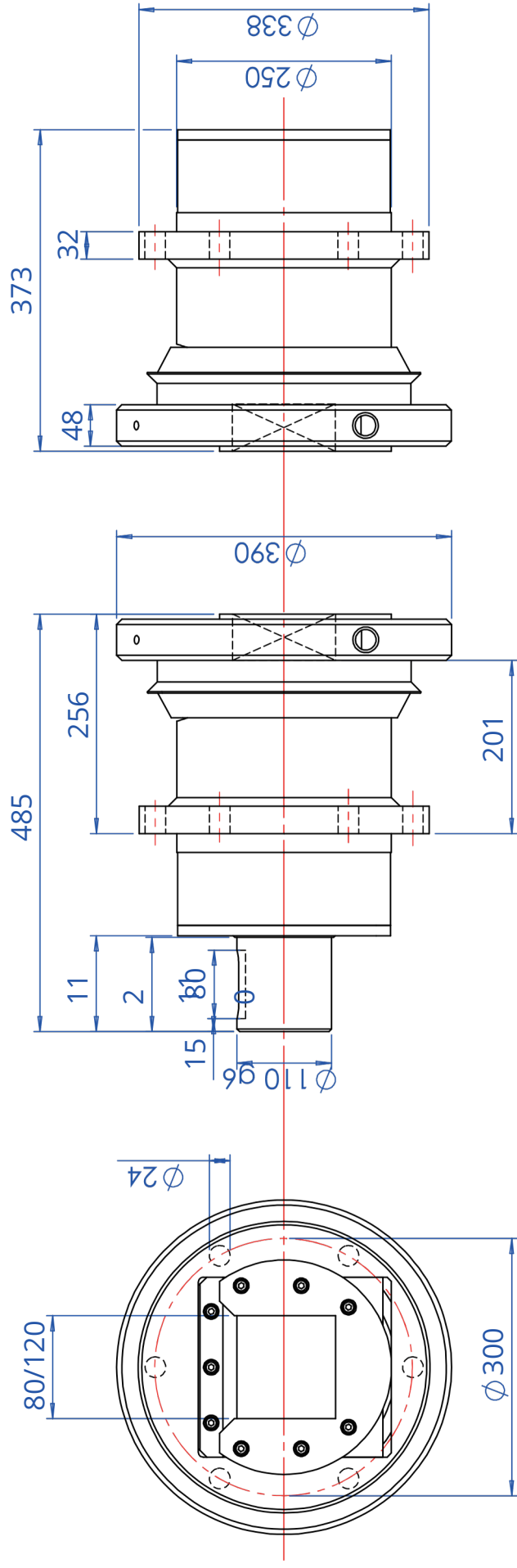
SAFETY CHUCK SERIE 150 80/120
Square : 80 to 120 depth 55

Roll weight : 115 000 N

Torque : 9 000 Nm

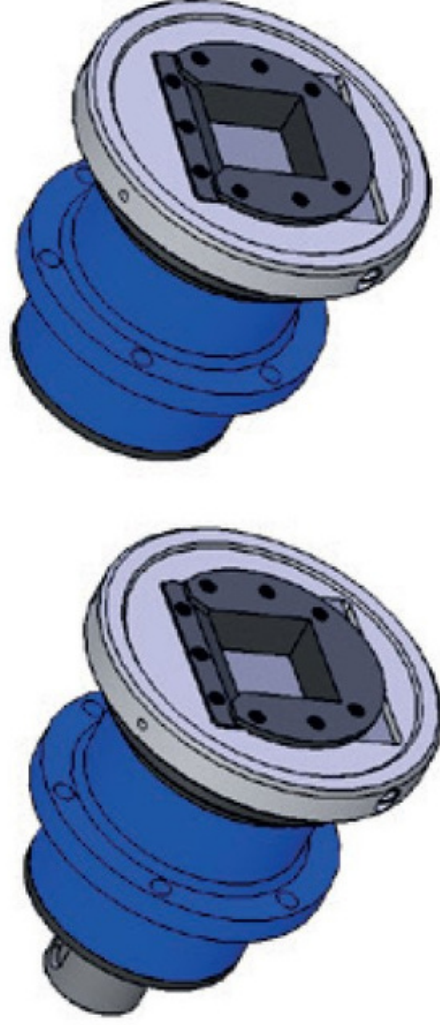
MBC
Guttin





SFE

SFE/G

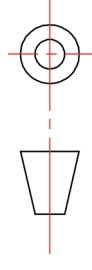


SAFETY CHUCK SERIE 250 80/120
 Square : 80 to 120 depth 55

Roll weight : 115 000 N

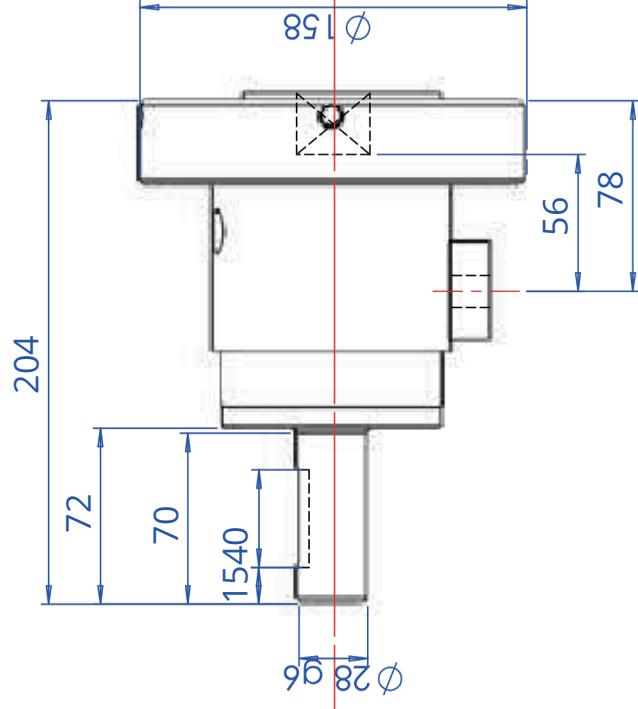
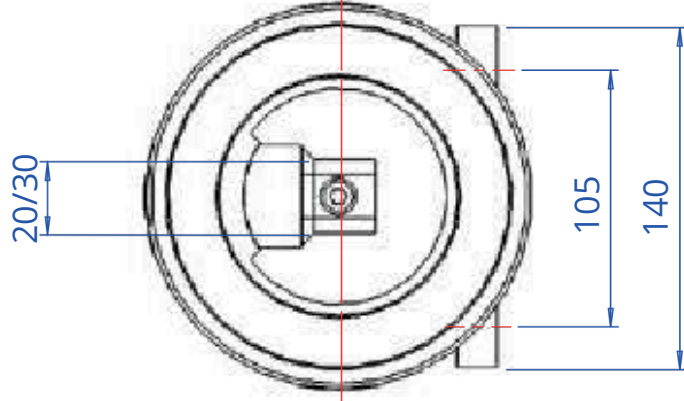
Torque : 9 000 Nm

MBC
 Guttin

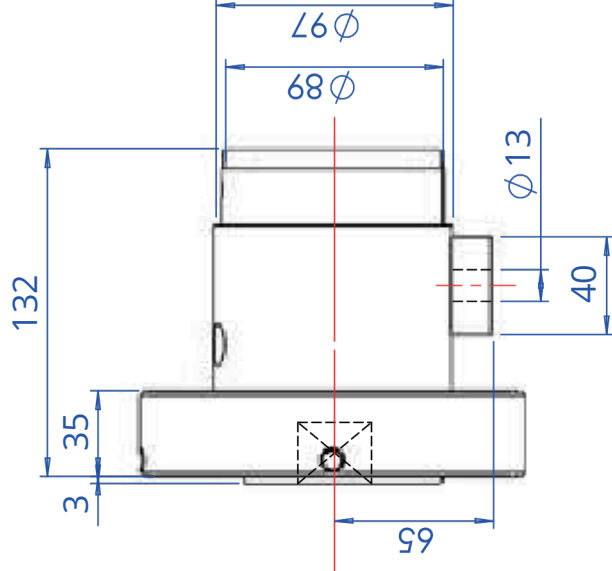


Safety Chuck

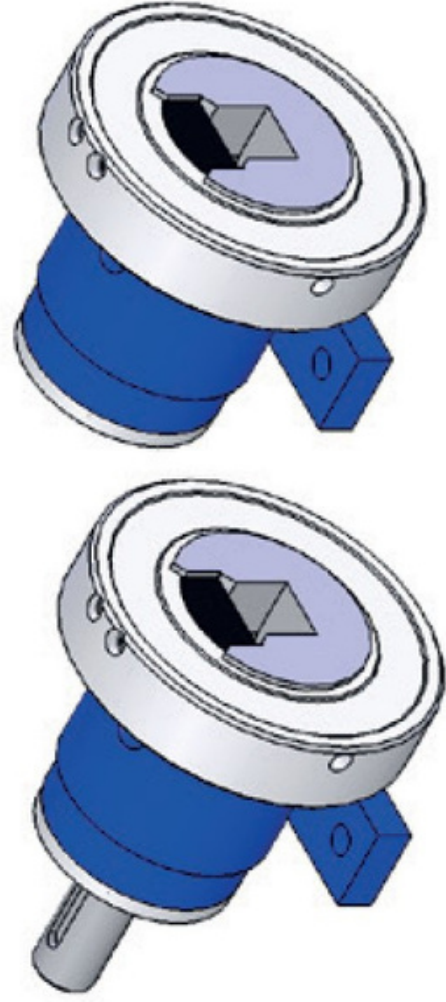
Serie 160 and 260



SFE/G



SFE

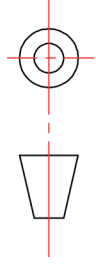


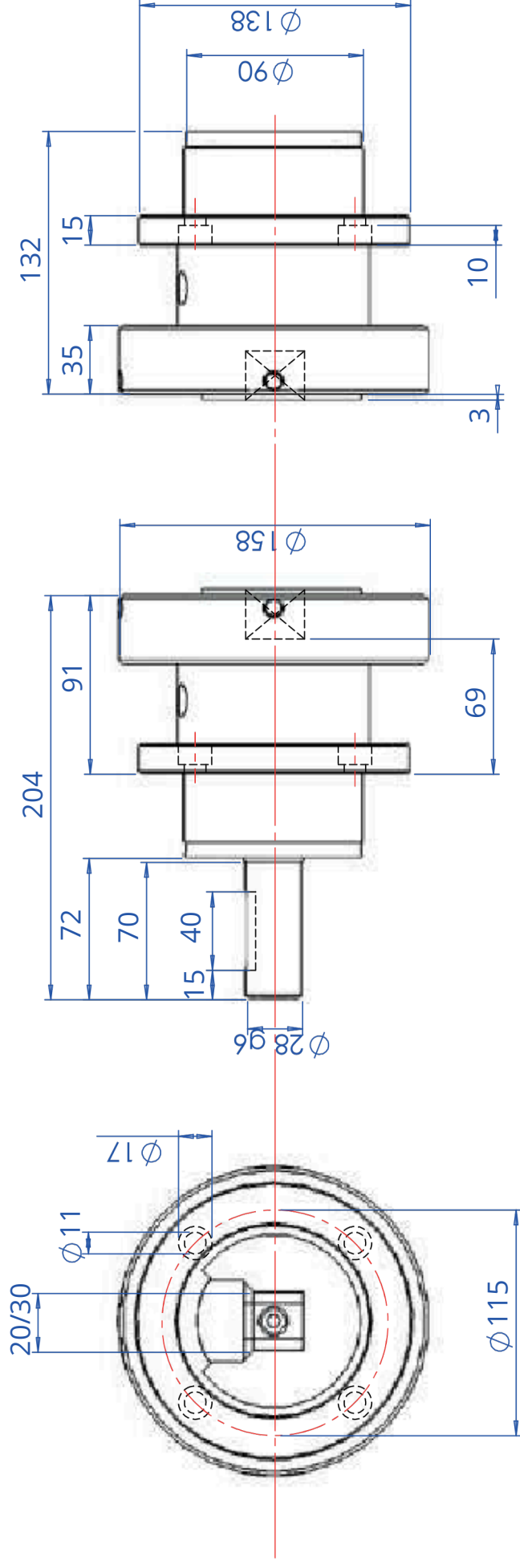
SAFETY CHUCK SERIE 160 20/30
Square : 20 to 30 depth 22

Roll weight : 8 000 N

Torque : 185 Nm

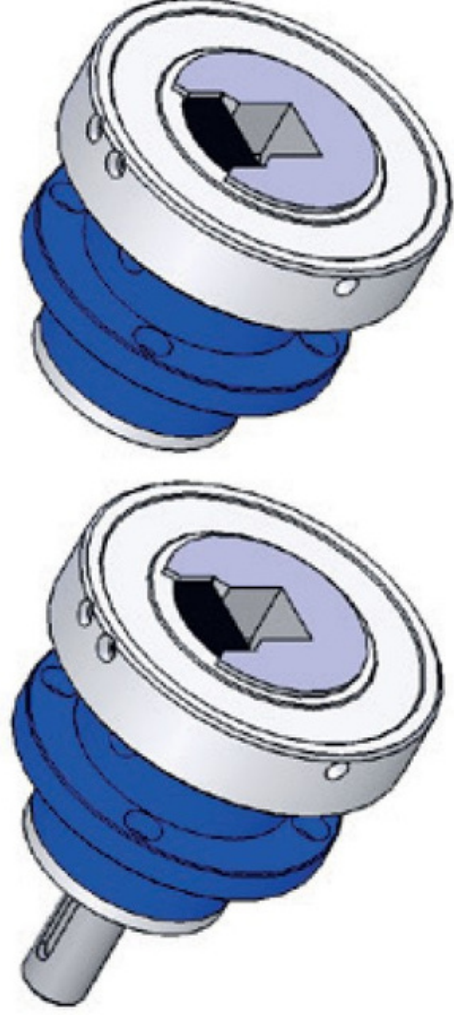
MBC
Guttin





SFE/G

SFE



SAFETY CHUCK SERIE 260 20/30

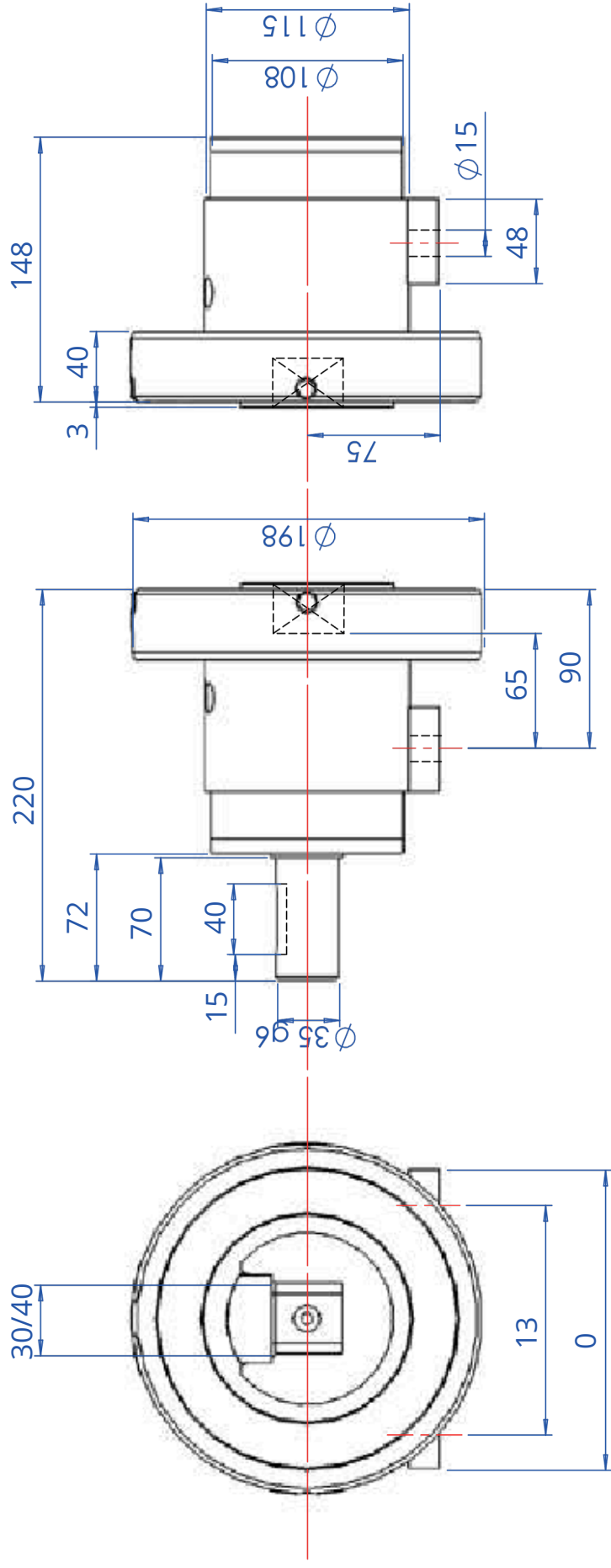
Square : 20 to 30 depth 22

Roll weight : 8 000 N

Torque : 185 Nm

MBC
Guttin

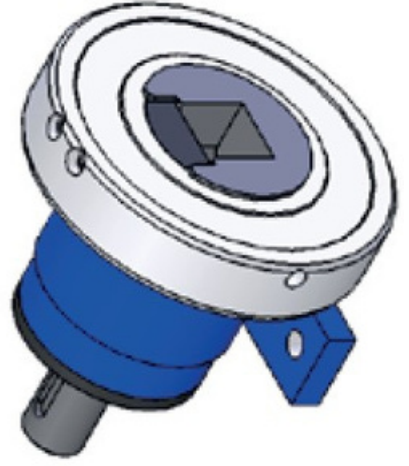
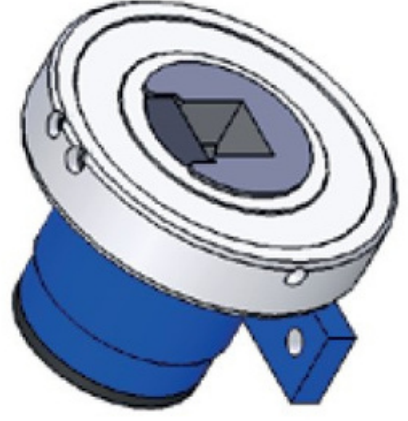




17

SFE/G

SFE



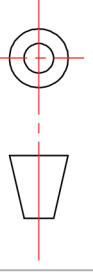
SAFETY CHUCK SERIE 160 30/40

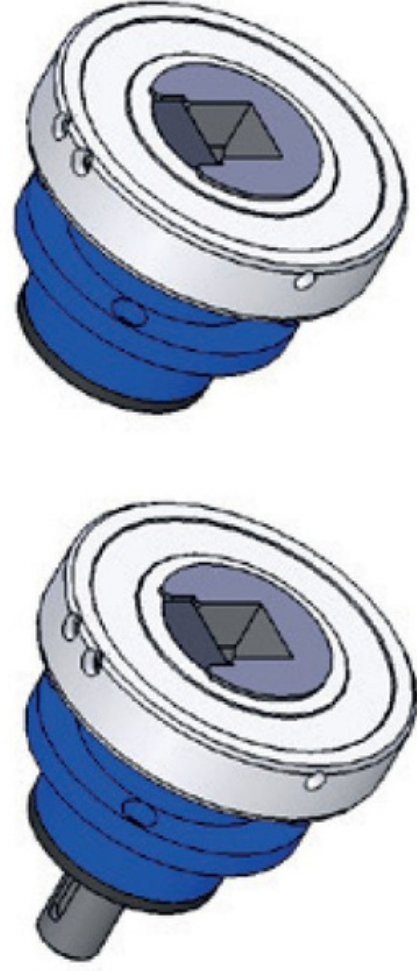
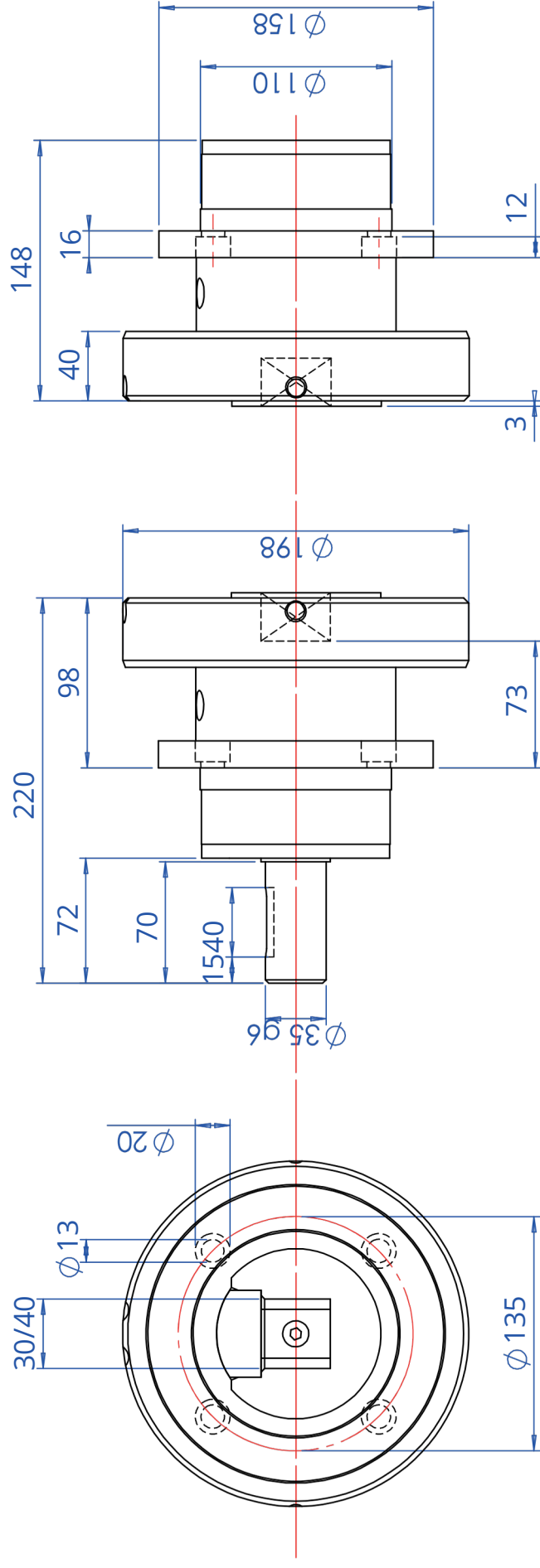
Square : 20 to 30 depth 22

Roll weight : 8 000 N

Torque : 185 Nm

MBC
Guttin





SAFETY CHUCK SERIE 260 30/40

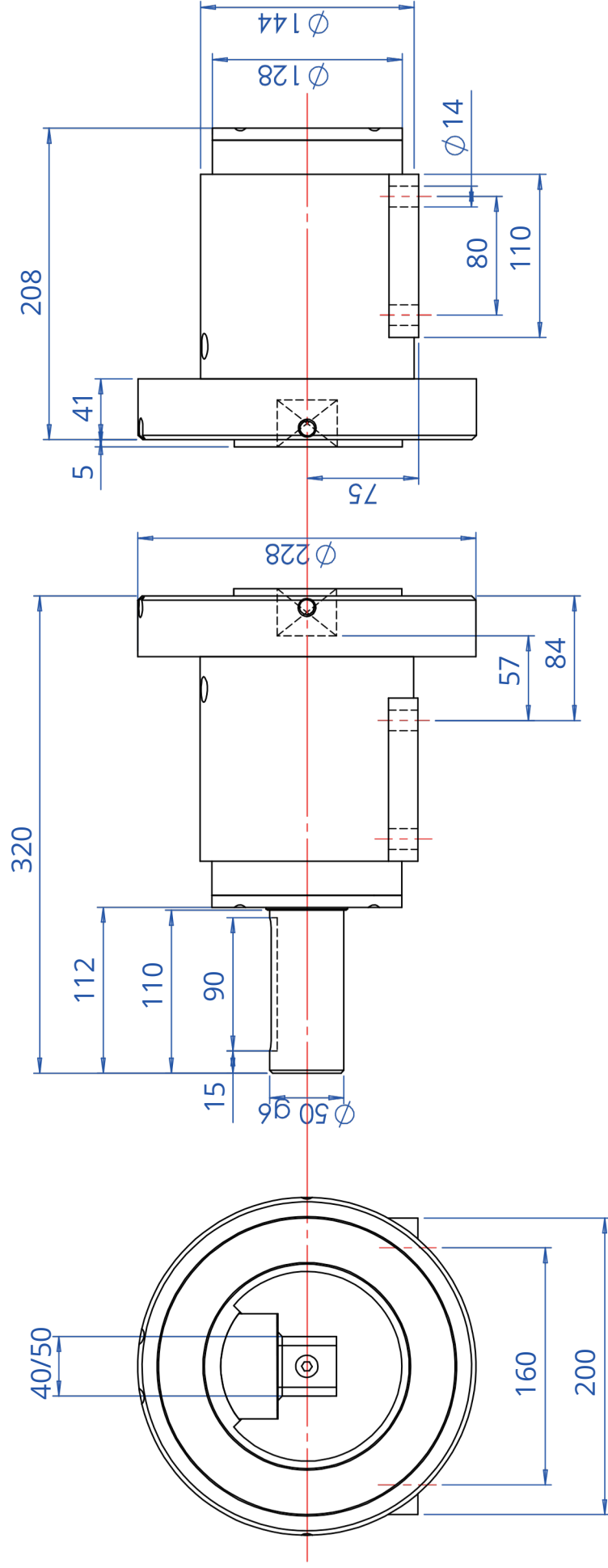
Square : 30 to 40 depth 25

Roll weight : 16 000 N

Torque : 350 Nm

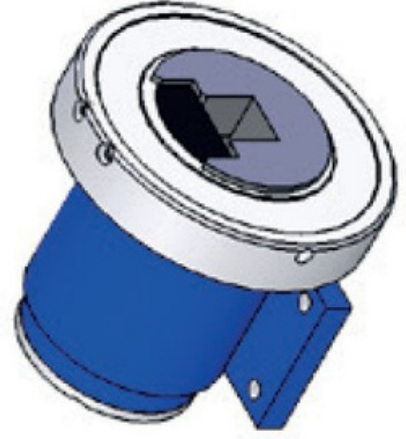
MBC
Guttin





SFE/G

SFE



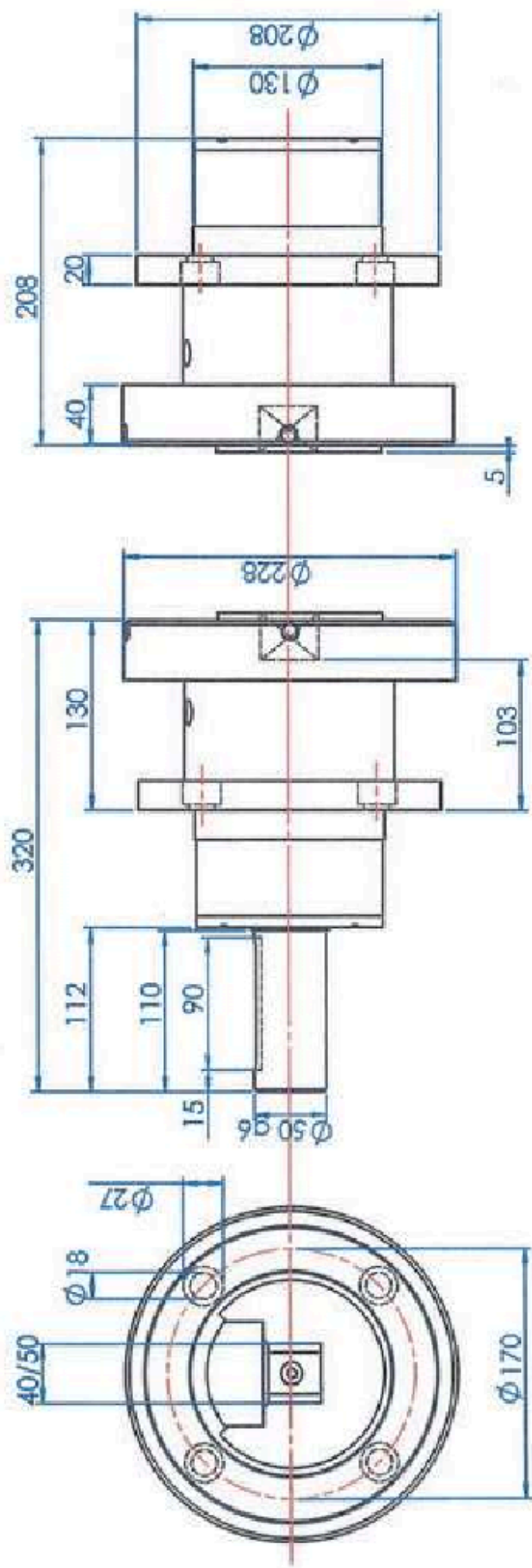
SAFETY CHUCK SERIE 160 40/50
Square : 40 to 50 depth 27

Roll weight : 28 500 N

Torque : 1 100 Nm

MBC
Guttin





SFE/G

SFE

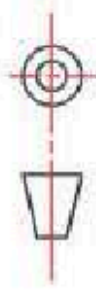


SAFETY CHUCK SERIE 260 40/50
 Square : 40 to 50 depth 27

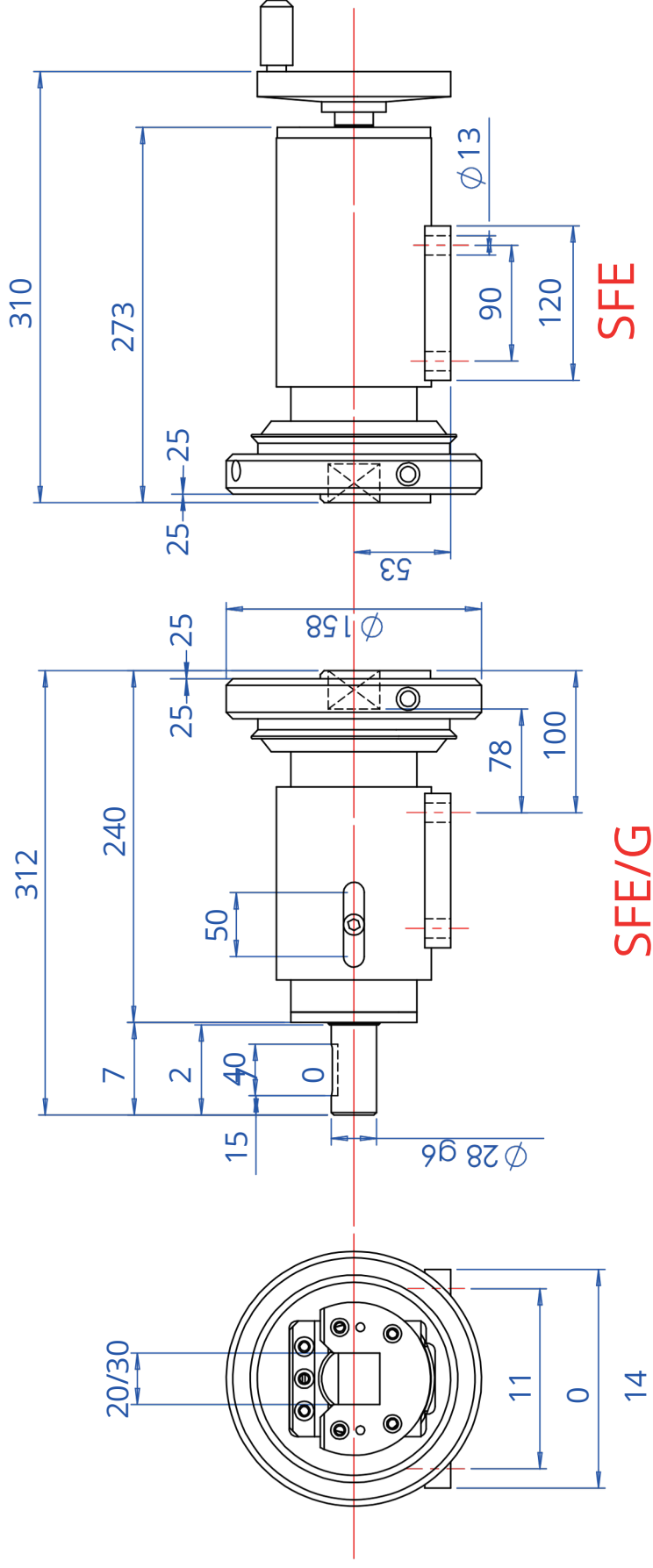
Roll weight : 28 500 N

Torque : 1 100 Nm

MBC
Guttin



Chuck Serie 1150 and 1250



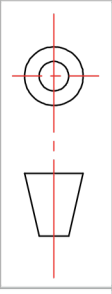
SAFETY CHUCK SERIE 1150 20/30
STROKE 50

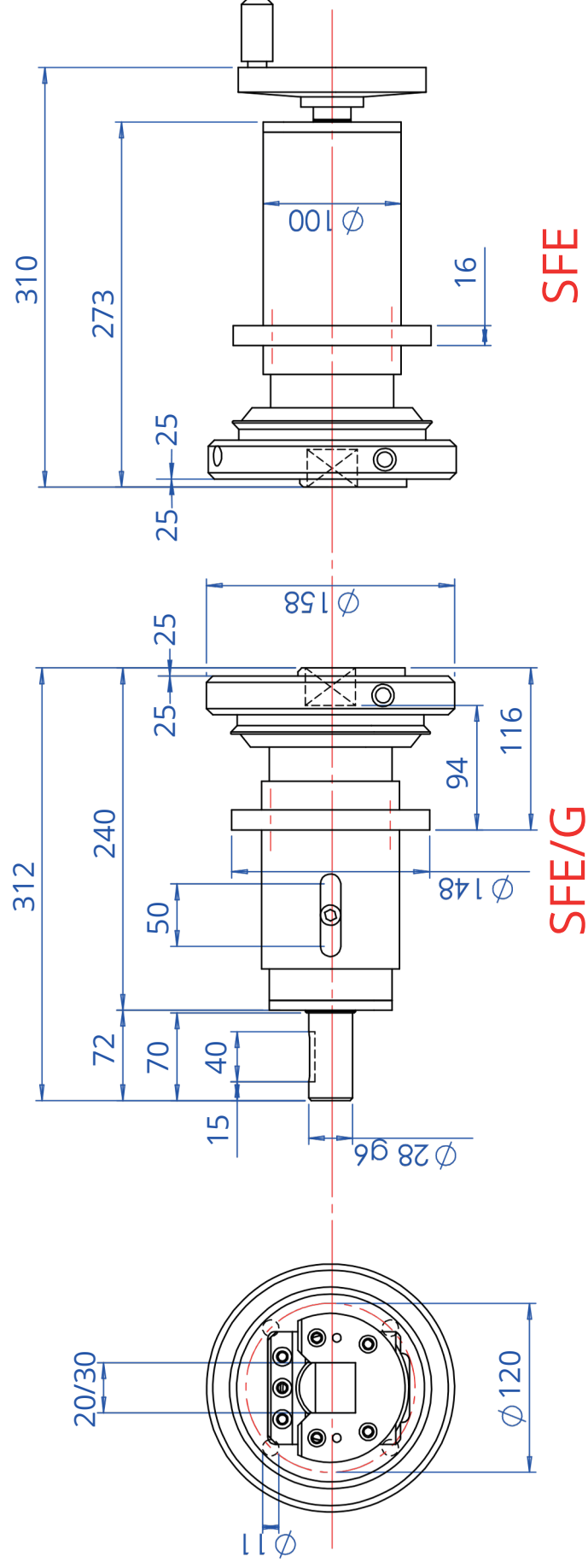
Square : 20 to 30 depth 22

Roll weight : 5 600 N

Torque : 185 Nm

MBC
Guttin





SFE

SFE/G

**SAFETY CHUCK SERIE 1250 20/30
STROKE 50**

Square : 20 to 30 depth 27

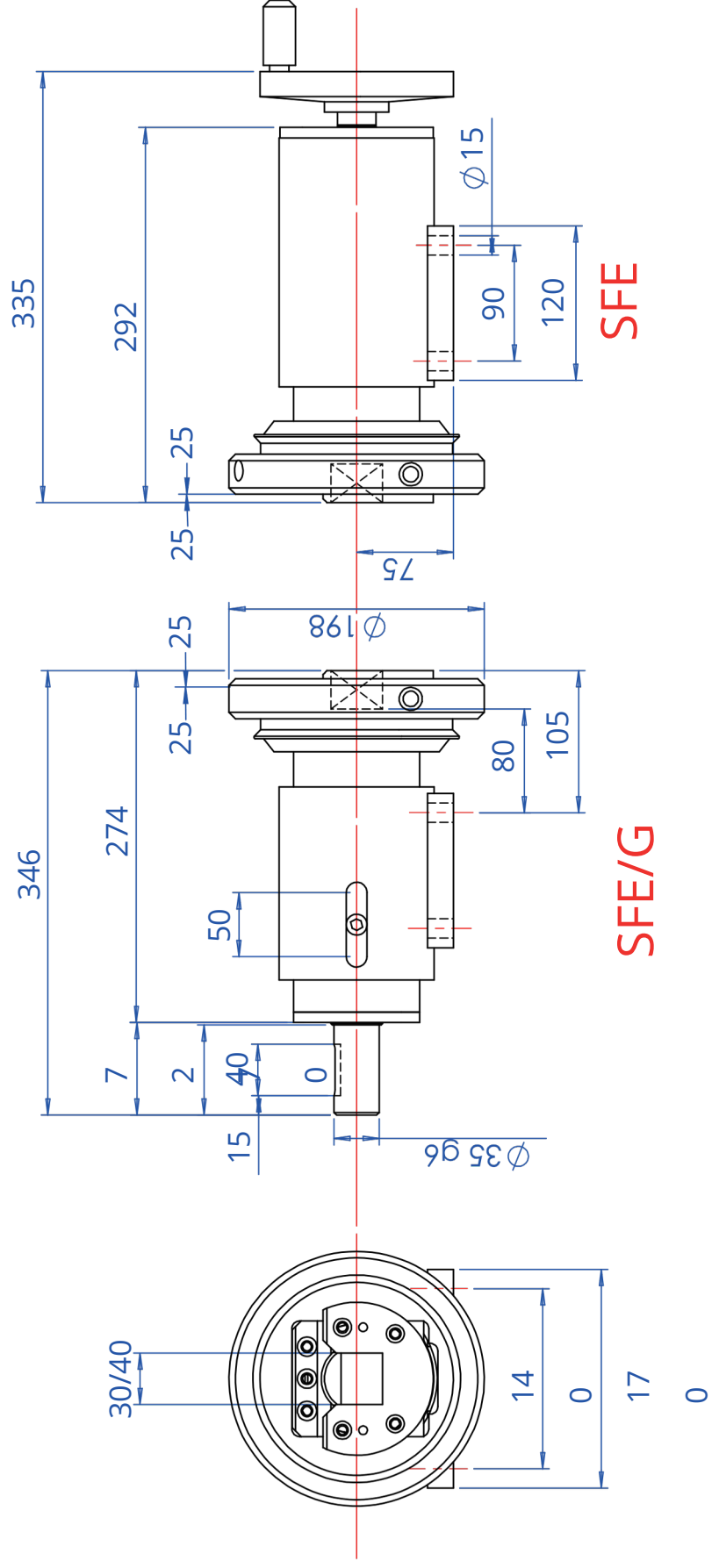
Roll weight : 5 600 N

Torque : 185 Nm



**MBC
Guttin**





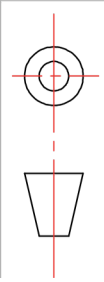
SAFETY CHUCK SERIE 1150 30/40 **STROKE 50**

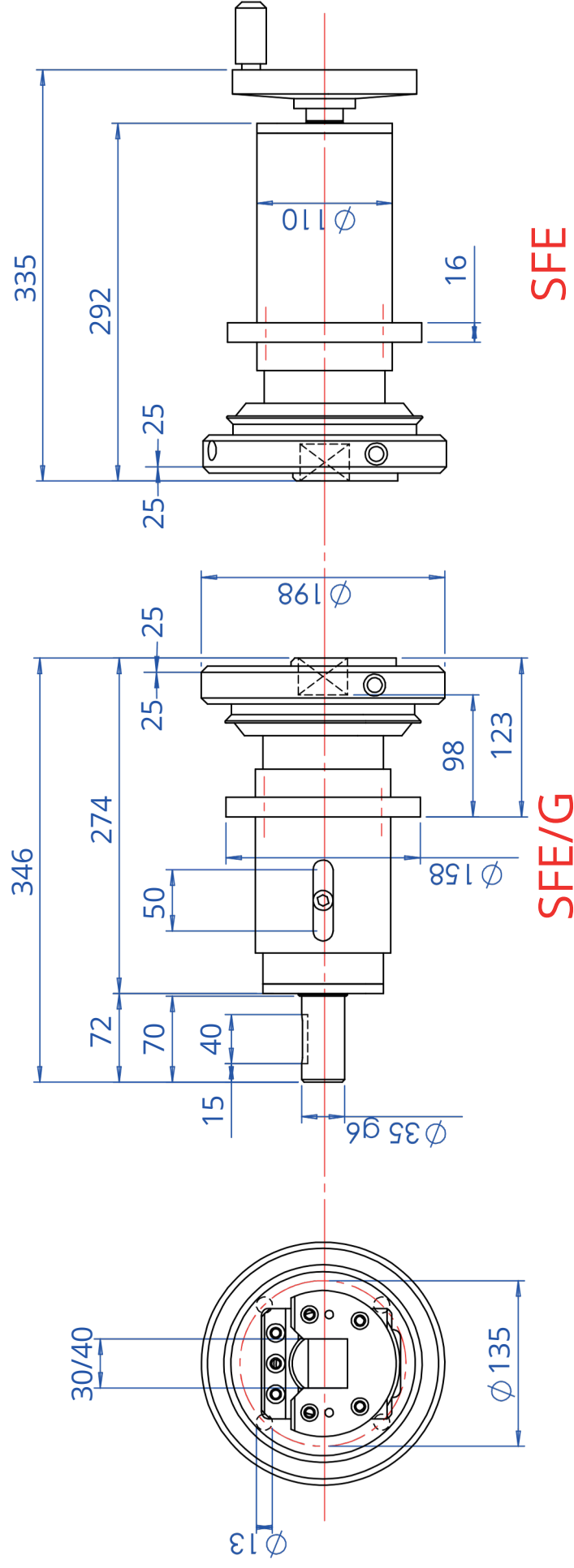
Square : 30 to 40 depth 25

Roll weight : 11 000 N

Torque : 350 Nm

MBC
Guttin





SFE

SFE/G



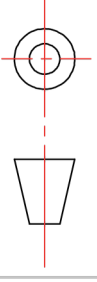
SAFETY CHUCK SERIE 1250 **30/40 STROKE 50**

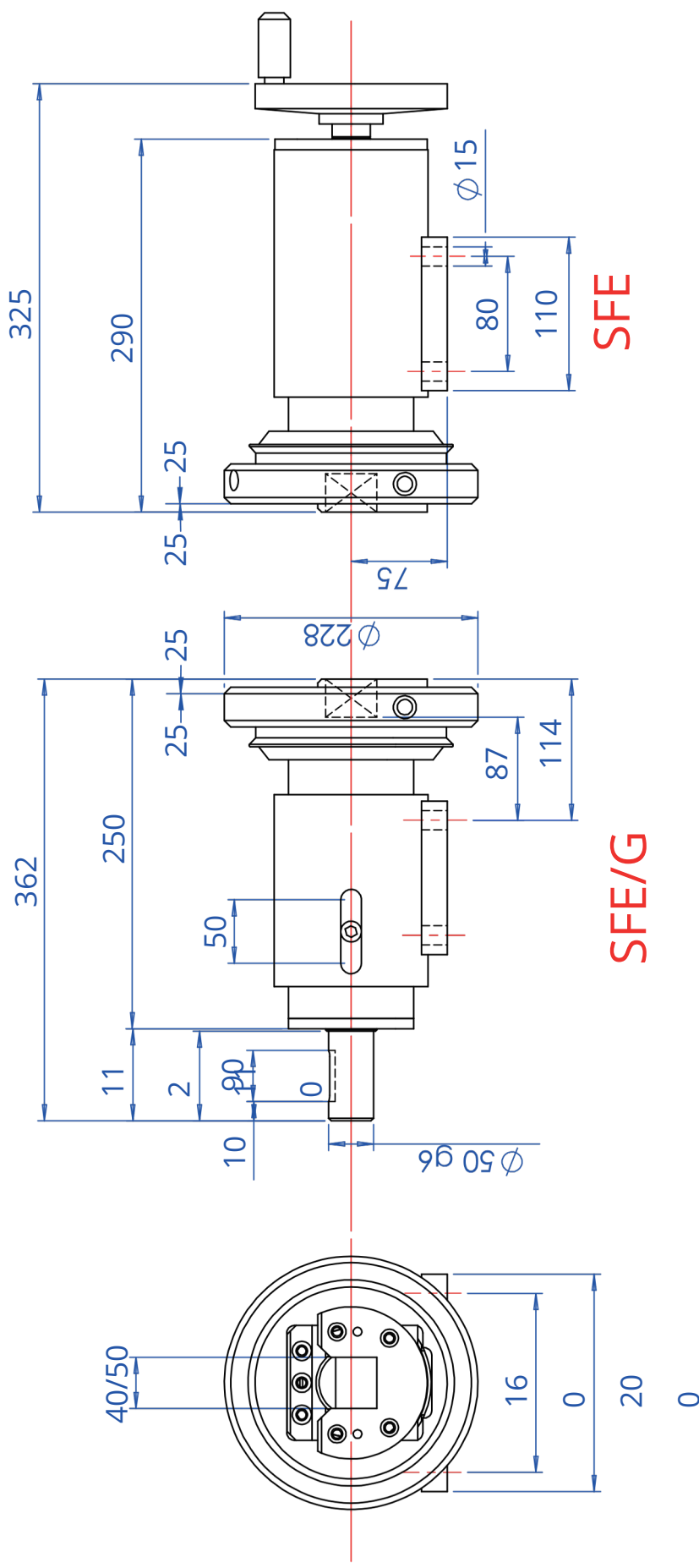
Square : 30 to 40 depth 25

Roll weight : 11000 N

Torque: 350 Nm

MBC
Guttin





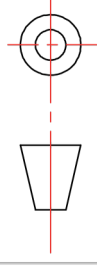
SAFETY CHUCK SERIE 1150 **40/50 STROKE 50**

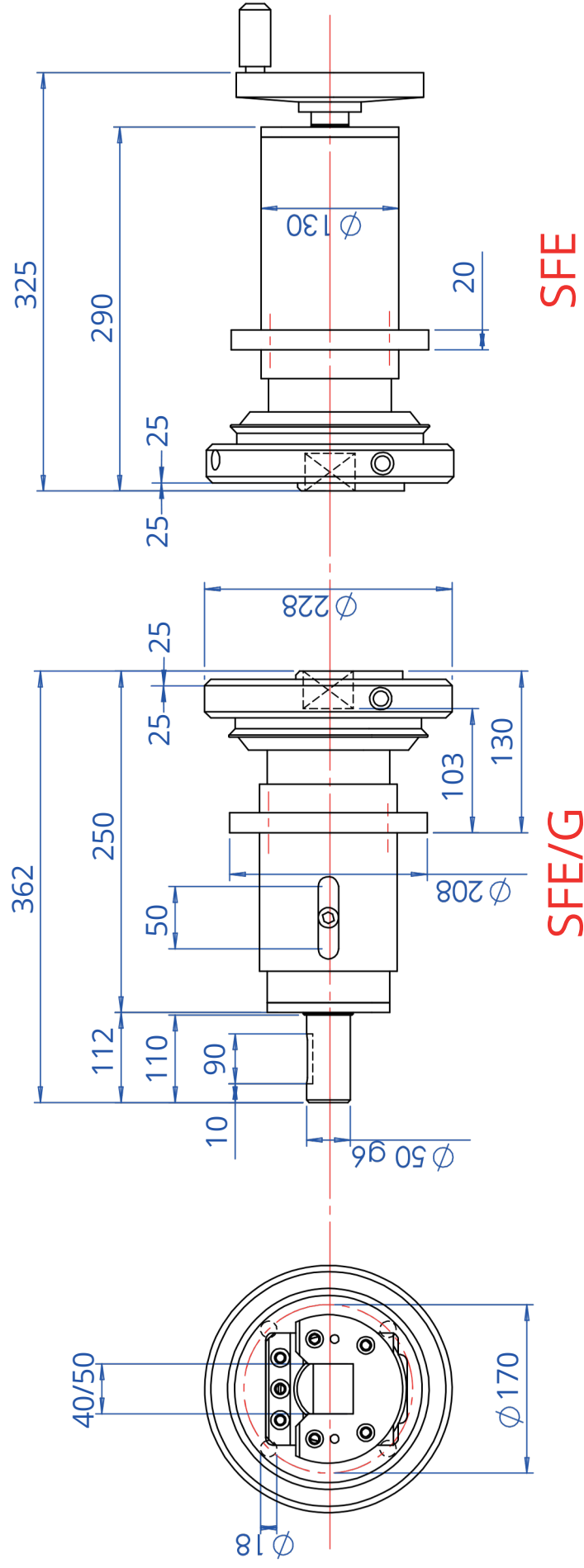
Square: 40 to 50 depth 27

Roll weight : 24000 N

Stroke : 1100 Nm

MBC
Guttin





SFE

SFE/G



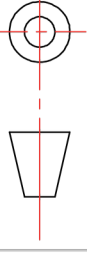
SAFETY CHUCK SERIE 1250 40/50 STROKE 50

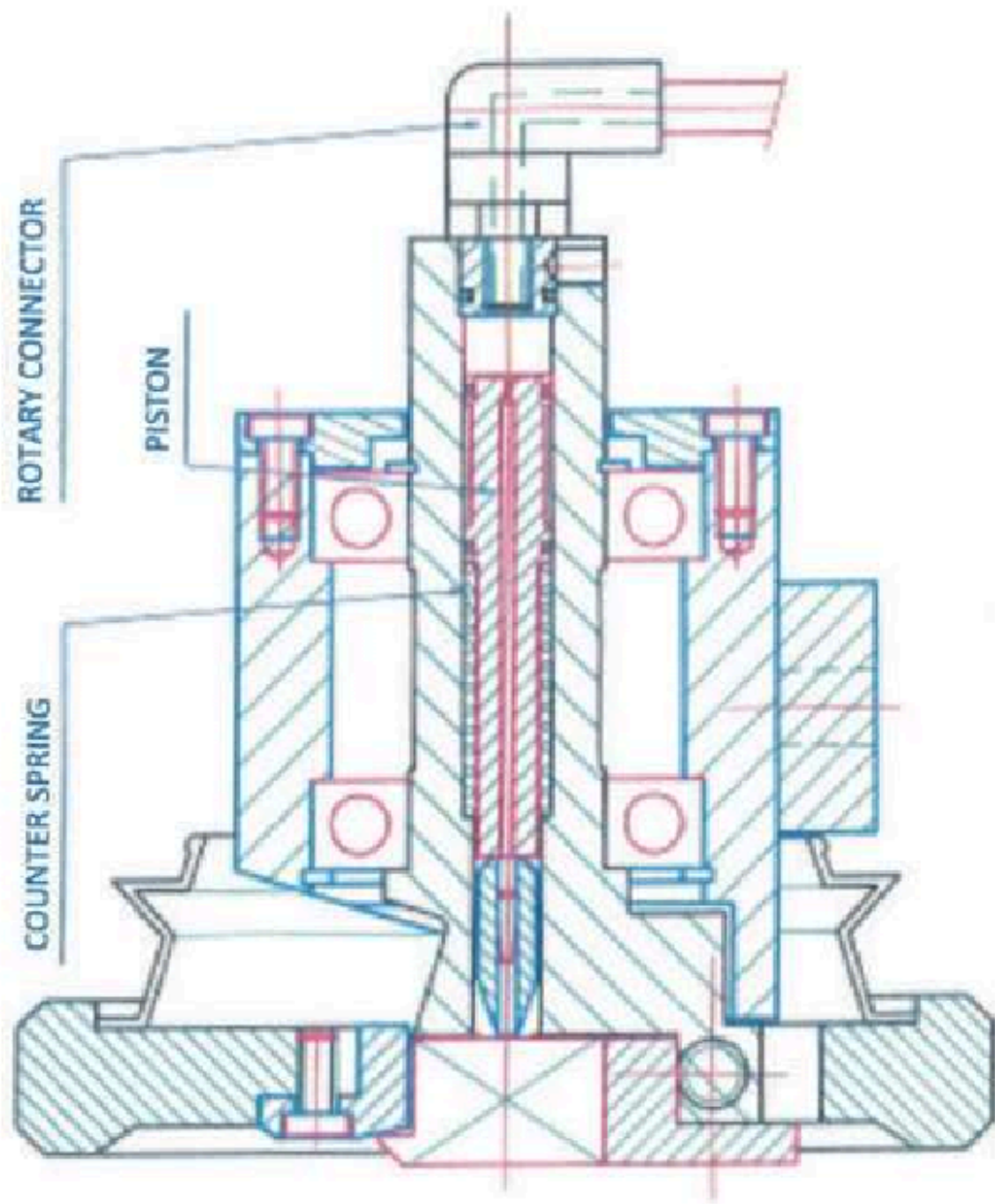
Square : 40 to 50 depth 27

Roll weight : 24000 N

Stroke : 1100 Nm

MBC
Guttin



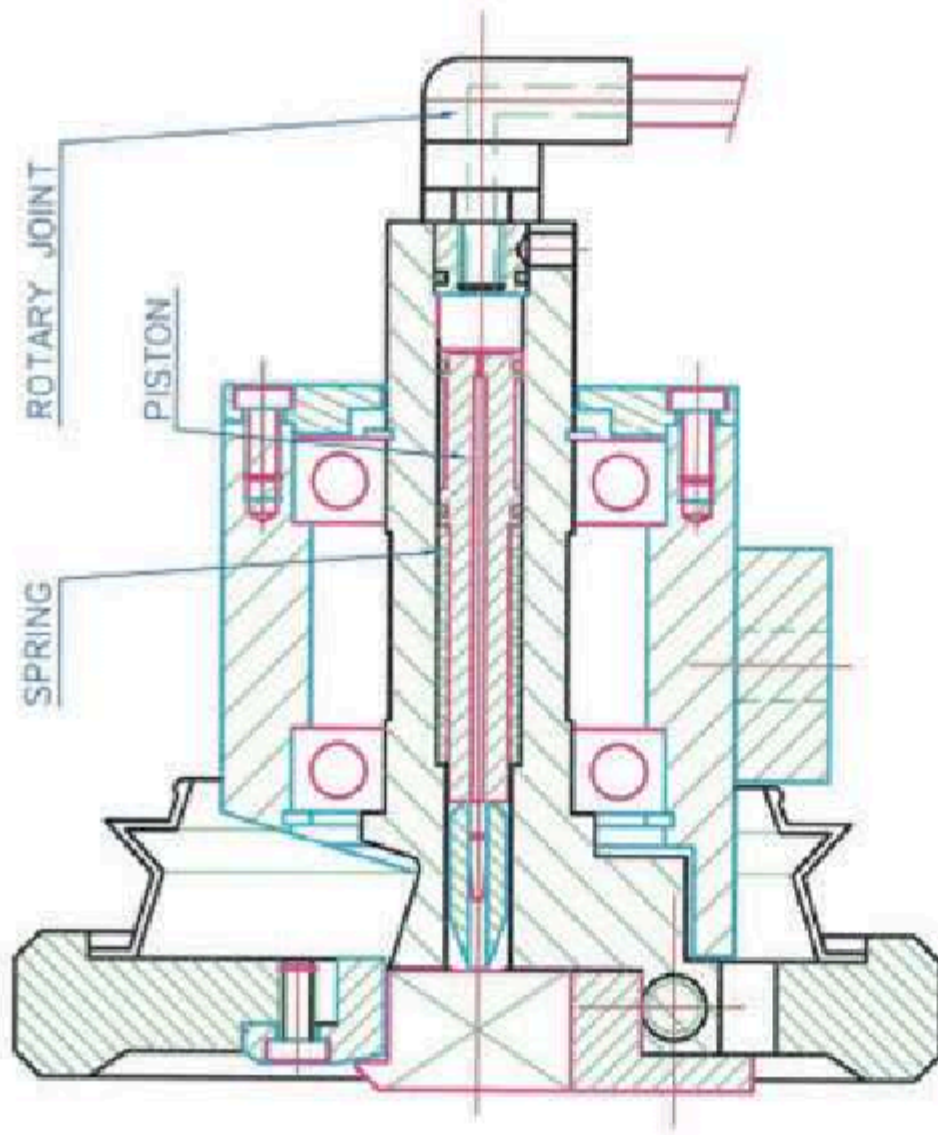


*MBC
Guttin*



CHUCK SERIE 150/250

MBC Chuck with axial inflation



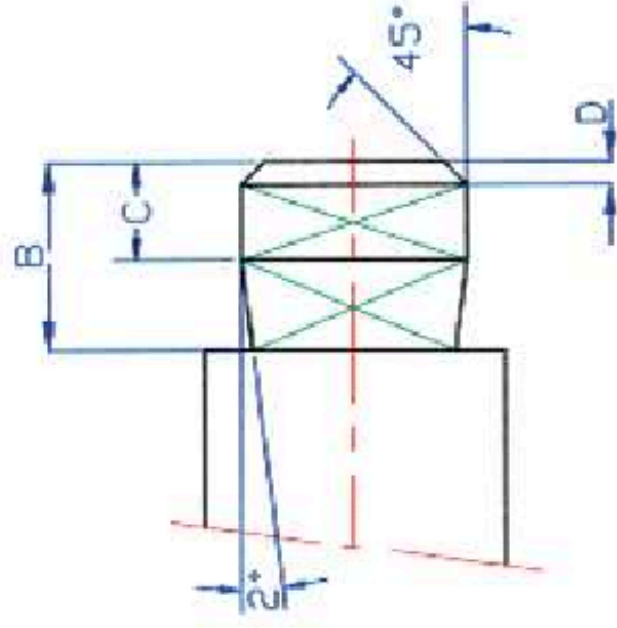
SAFETY CHUCK SERIE 150/250

MBC SAFETY CHUCK WITH AXIAL INFLATION

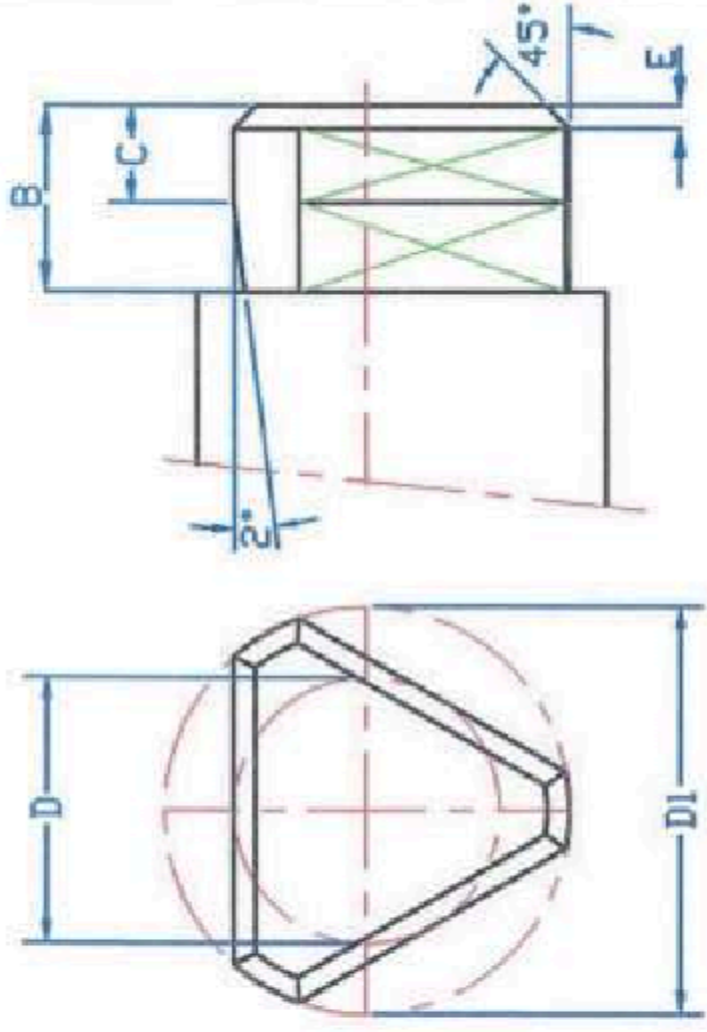
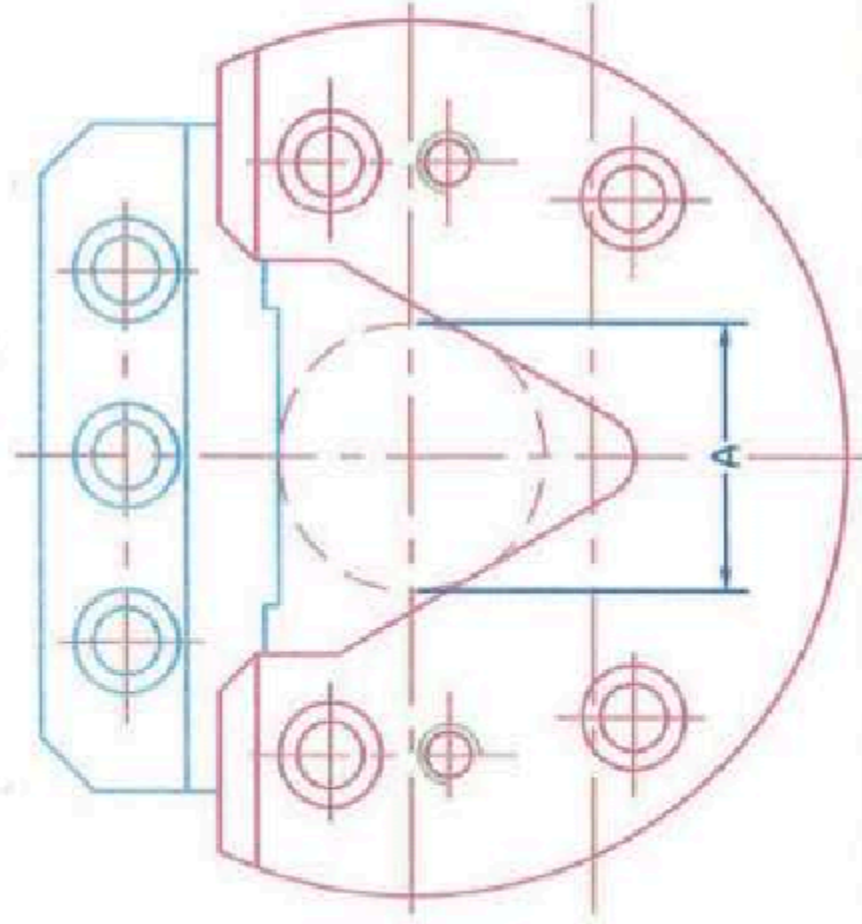
MBC

Guttin





SAFETY CHUCK WITH	<i>MBC</i>
AUTOMATIC LOCKING SYSTEM	<i>Guttin</i>
SHAFT END TYPE A AND E	
WITH MBC SAFETY CHUCK	



	20/30	30/40	40/50	50/80
A	$D^{+0.2}_{+0.1}$	$D^{+0.2}_{+0.1}$	$D^{+0.2}_{+0.1}$	$D^{+0.2}_{+0.1}$
B	25	28	30	40
C	15	15	18	25
D	$\phi 30^{-0.1}_{-0.15}$	$\phi 36^{-0.1}_{-0.15}$	$\phi 46^{-0.1}_{-0.15}$	$\phi 67^{-0.1}_{-0.15}$
D1	$\phi 45^{-0}_{-0.1}$	$\phi 55^{-0}_{-0.1}$	$\phi 65^{-0}_{-0.1}$	$\phi 104^{-0}_{-0.1}$
E	3	3	4	5

SAFETY CHUCK WITH

AUTOMATIC LOCKING SYSTEM

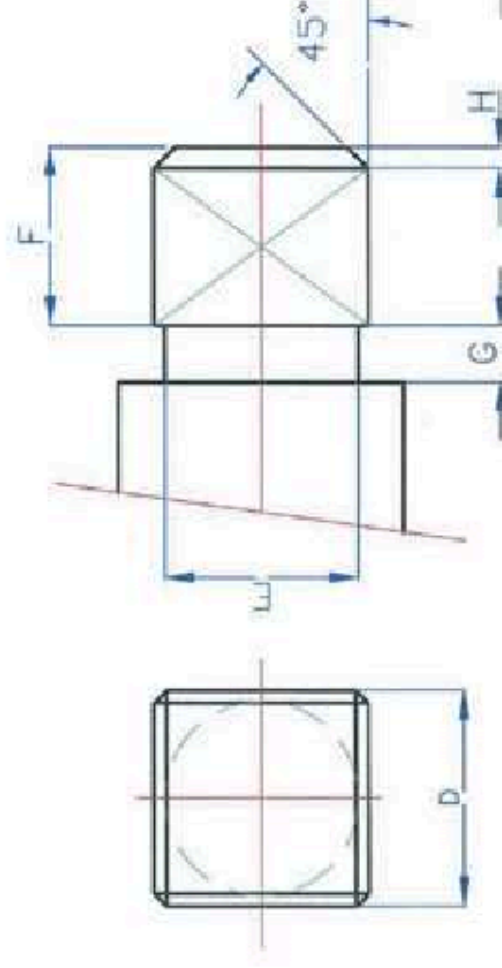
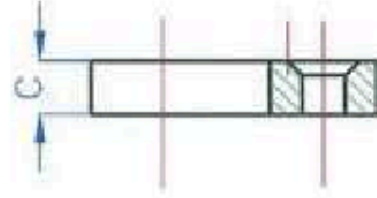
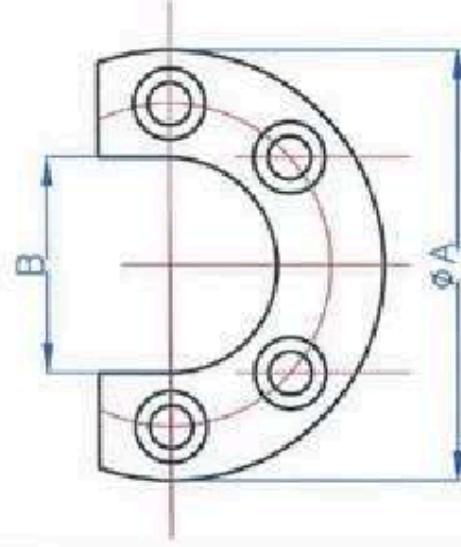
SHAFT END TYPE B

WITH MBC SAFETY CHUCK

MBC

Guttin





	20/30	30/40	40/50
A	ø89	ø119	ø129
B	D - $^{+0.1}_{-1+0.05}$	D - $^{+0.1}_{-1+0.05}$	D - $^{+0.1}_{-1+0.05}$
C	7	8	8
D			
E	D - $^{+0.1}_{-1-0.2}$	D - $^{+0.1}_{-1-0.2}$	D - $^{+0.1}_{-1-0.2}$
F	21	24	26
G	9	10	10
H	4	5	5

SAFETY CHUCK WITH

AUTOMATIC LOCKING SYSTEM

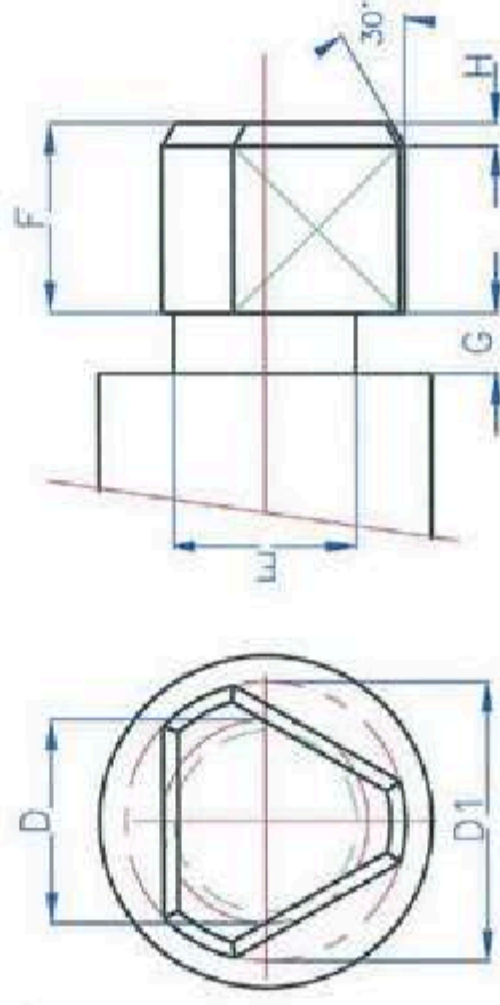
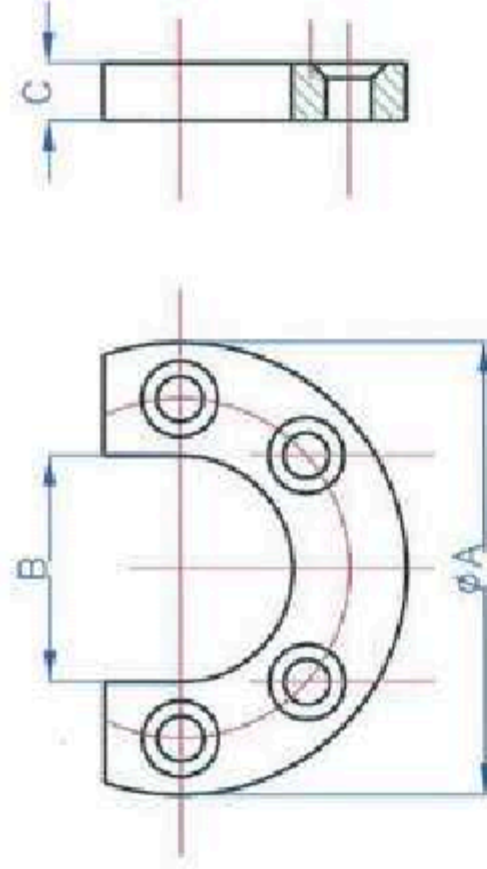
DRIVING PLATES AND

SHAFT END TYPE A AND E

MBC

Guttin





	20/30	30/40	40/50
A	ø89	ø119	ø129
B	$D \begin{smallmatrix} +0.1 \\ +0.05 \end{smallmatrix}$	$D \begin{smallmatrix} +0.1 \\ +0.05 \end{smallmatrix}$	$D \begin{smallmatrix} +0.1 \\ +0.05 \end{smallmatrix}$
C	7	8	8
D	ø30	ø36	ø46
D1	ø45	ø55	ø65
E	$D \begin{smallmatrix} -0.1 \\ -0.2 \end{smallmatrix}$	$D \begin{smallmatrix} -0.1 \\ -0.2 \end{smallmatrix}$	$D \begin{smallmatrix} -0.1 \\ -0.2 \end{smallmatrix}$
F	21	24	26
G	9	10	10
H	5	5	7

SAFETY CHUCK WITH

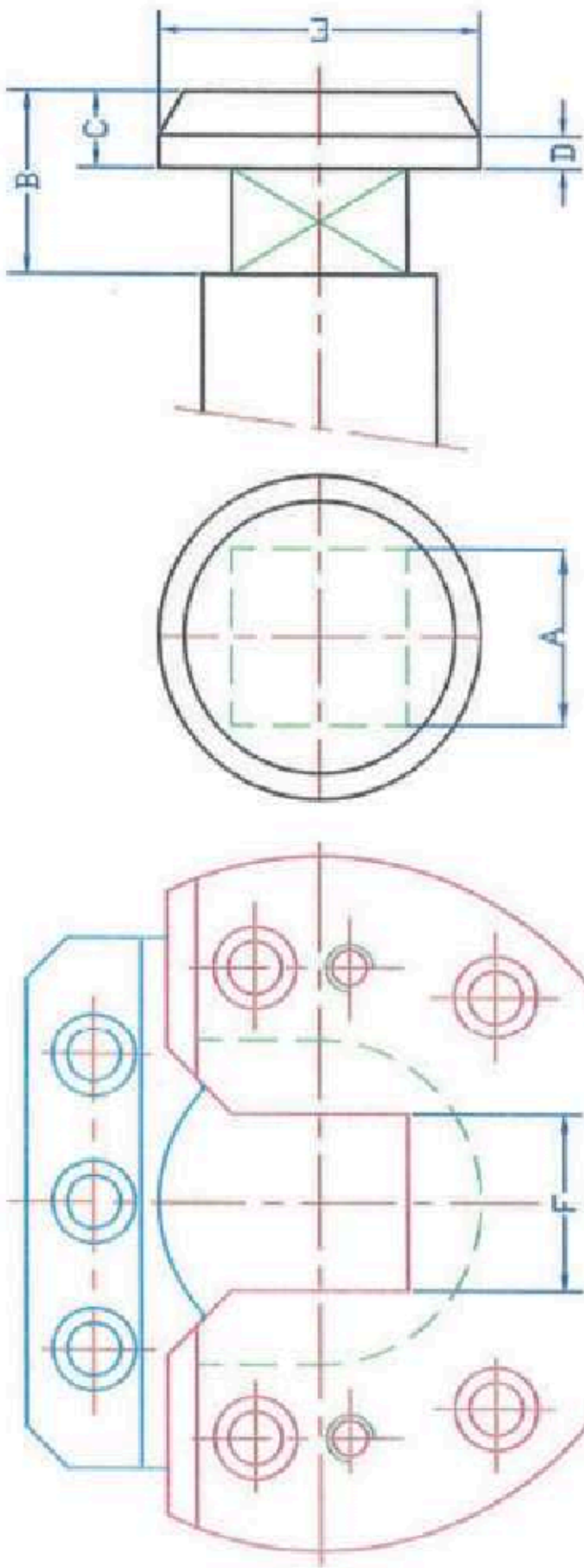
AUTOMATIC LOCKING SYSTEM

DRIVING PLATES AND

SHAFT ENDS TYPE B

MBC
Guttin





	20/30	30/40	40/50
A	F -0.5	F -0.5	F -0.5
B	31.5	31	35
C	13.5	13	13
D	5.5	5.5	5.5
E	$\phi 42^{-0}_{-0.05}$	$\phi 55^{-0}_{-0.05}$	$\phi 71^{-0}_{-0.05}$
F	$30^{+0.2}_{+0.1}$	$40^{+0.2}_{+0.1}$	$50^{+0.2}_{+0.1}$

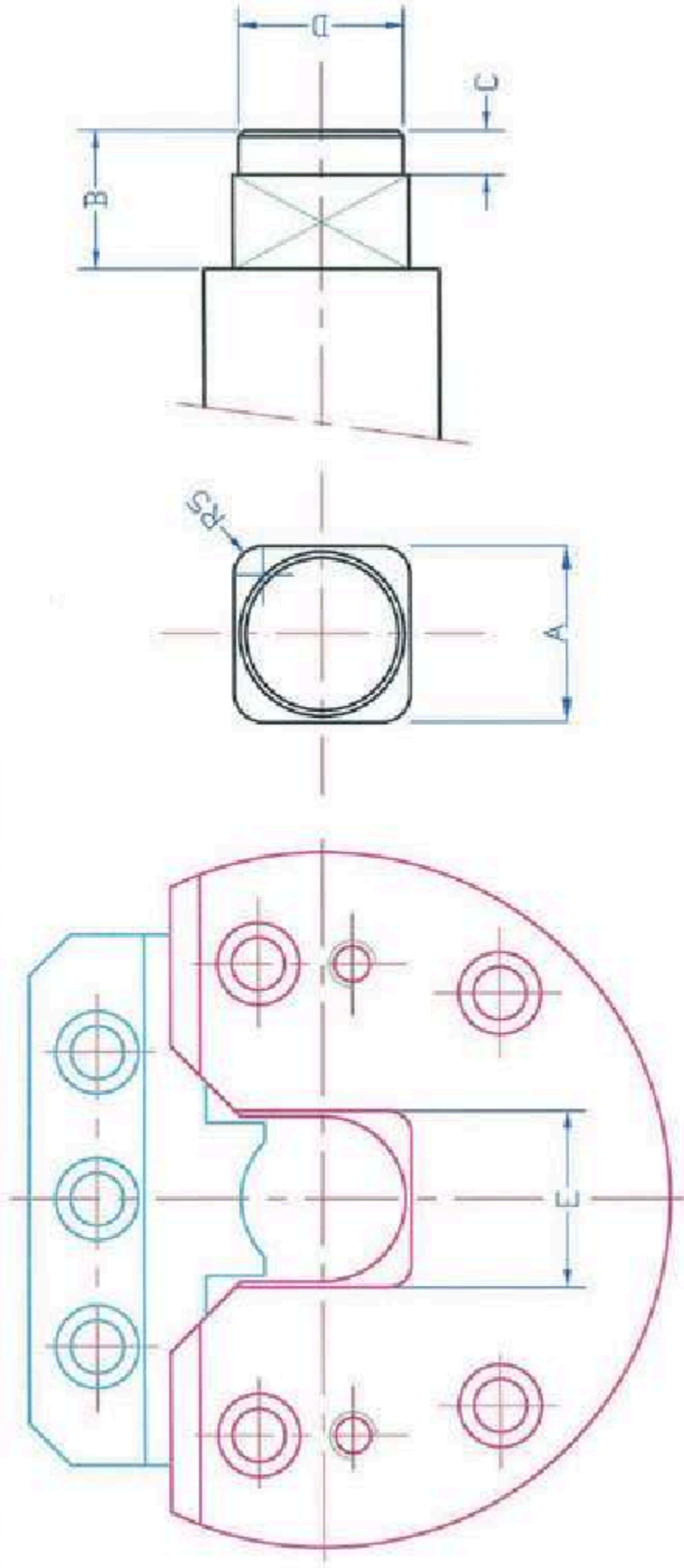
**SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM**

SHAFT END TYPE AVPU

WITH MBC SAFETY CHUCK

MBC
Guttin





	20/30	30/40	40/50
A	E -0.5	E -0.5	E -0.5
B	24.5	29	30
C	14	18	17
D	$\phi 30_{-0.05}^{-0}$	$\phi 40_{-0.05}^{-0}$	$\phi 50_{-0.05}^{-0}$
E	$30_{+0.1}^{+0.2}$	$40_{+0.1}^{+0.2}$	$50_{+0.1}^{+0.2}$

SAFETY CHUCK WITH

AUTOMATIC LOCKING SYSTEM

SHAFT END TYPE AWPV

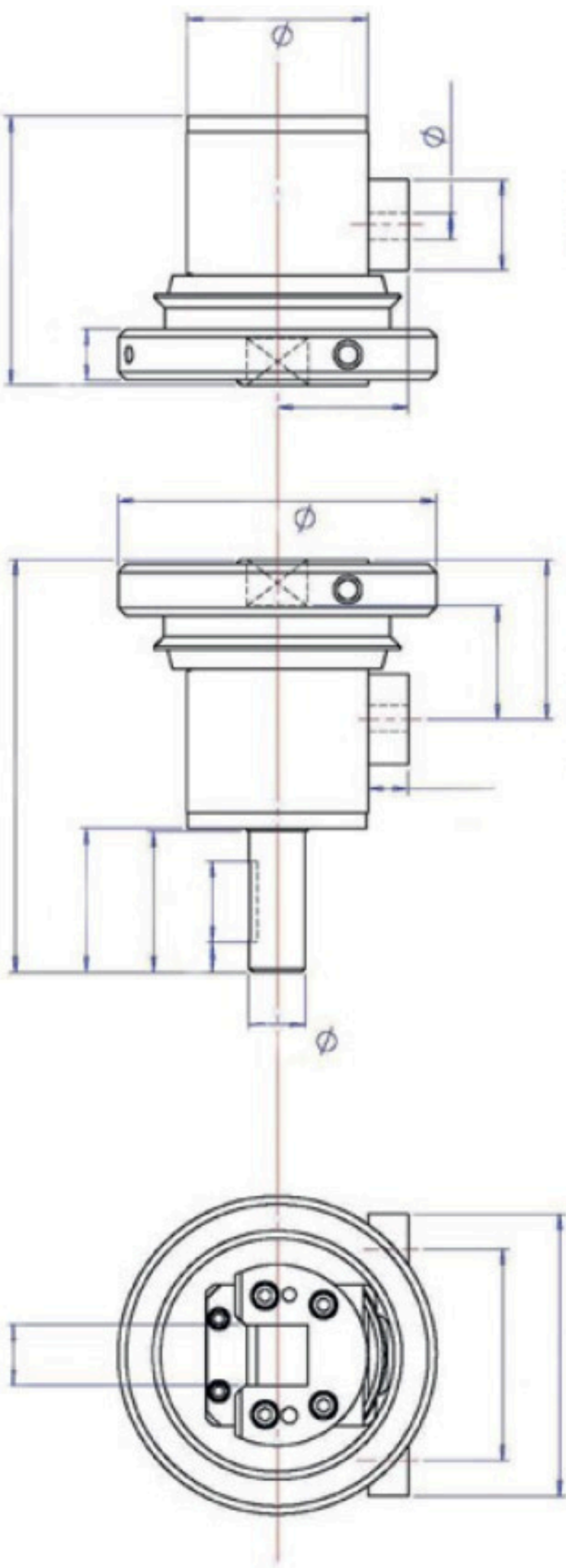
WITH MBC SAFETY CHUCK

MBC
Guttin



NOTES

Drawings for measurement taking



SFE

SFE/G



CHUCK

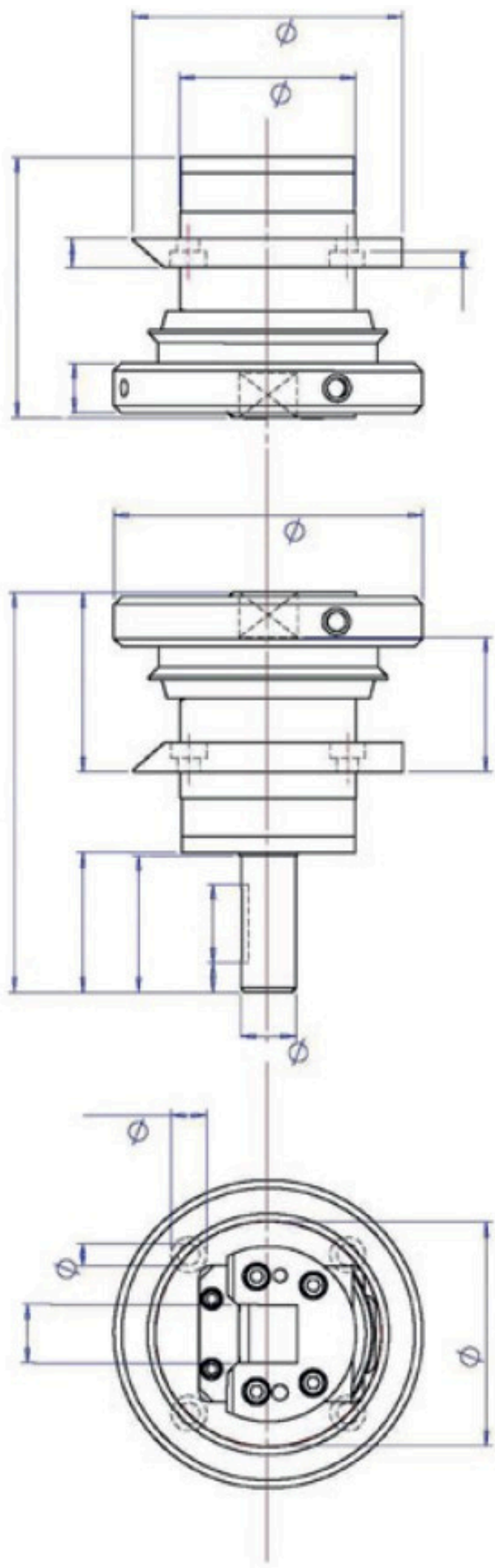
Square: to Depth

Roll Weight: N

Torque: Nm

MBC
Guttin





SFE

SFE/G

*MBC
Guttin*



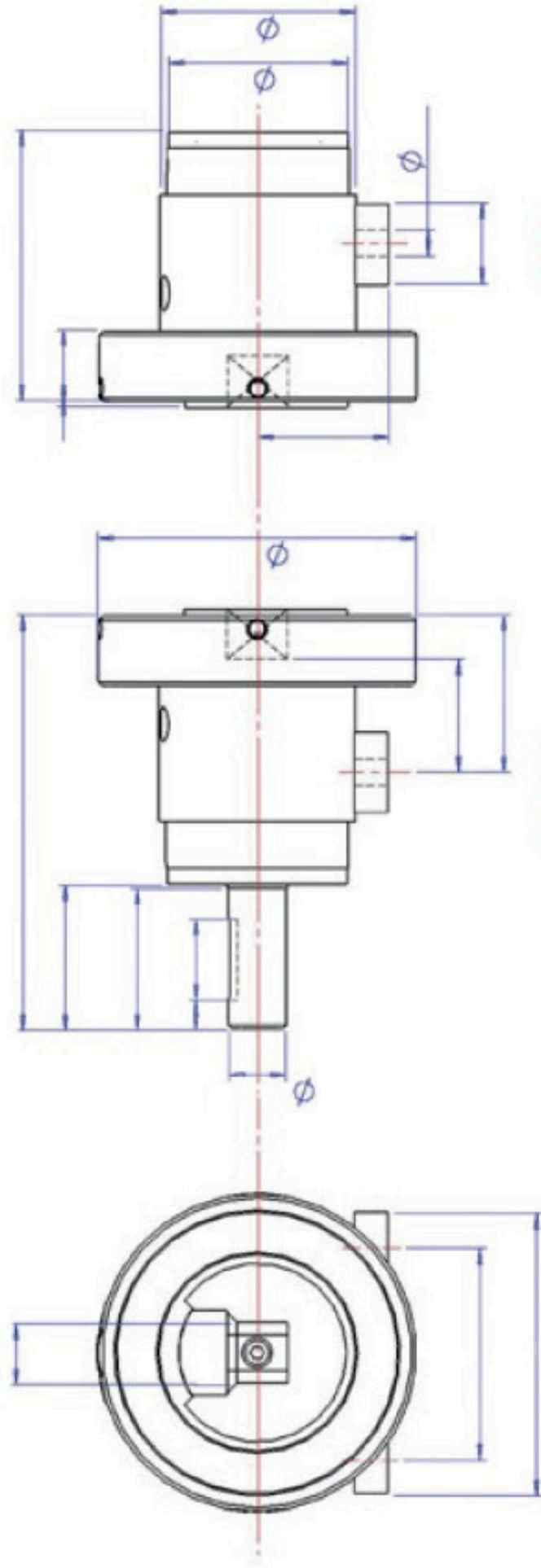
CHUCK

Square : to Depth

Roll Weight : N

Torque : Nm





SFE

SFE/G

MBC
Guttin

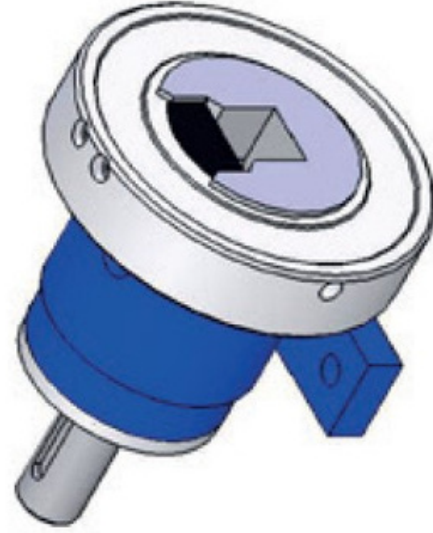
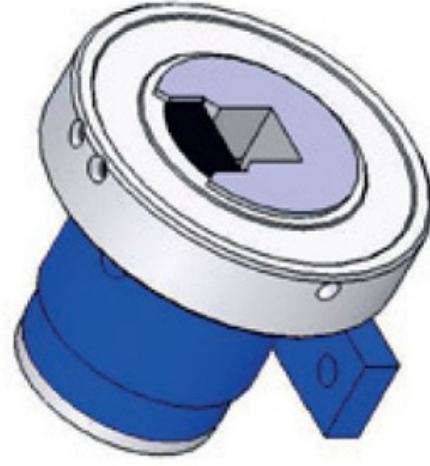


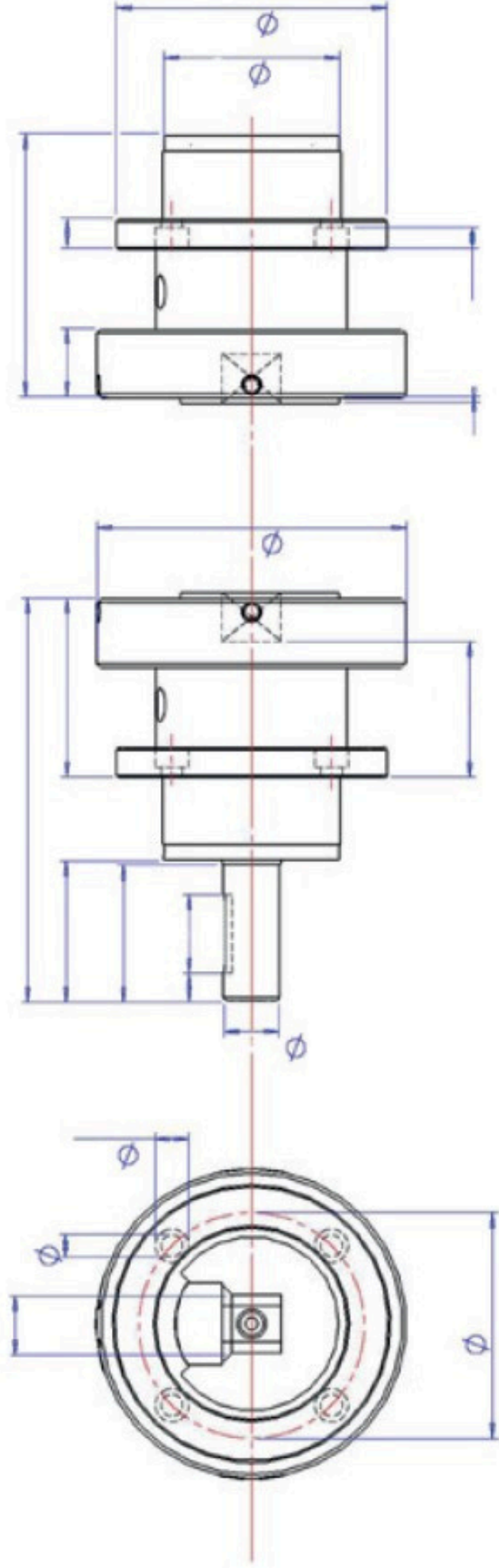
CHUCK SERIE

Square: to Depth

Roll Weight: N

Torque : Nm





SFE/G

SFE



CHUCK SERIE

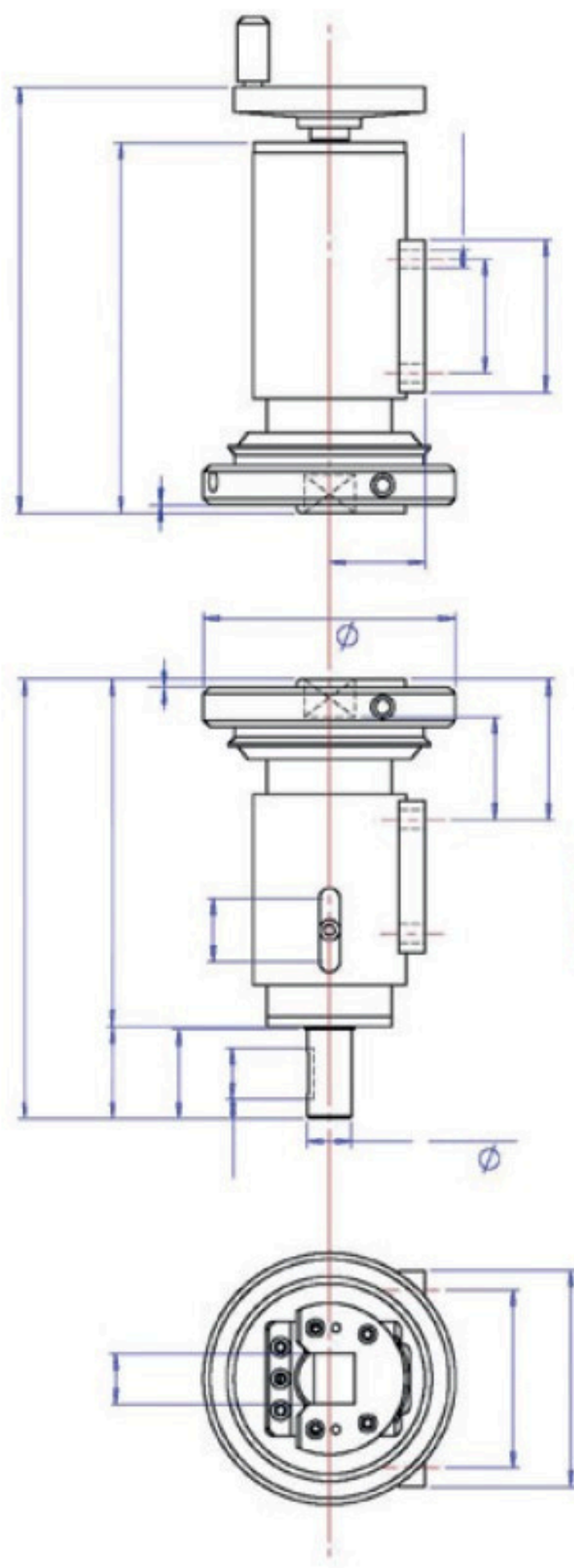
Square: to Depth:

Roll Weight: N

Torque: Nm

MBC
Guttin





SFE/G

SFE



CHUCK SERIE
STROKE

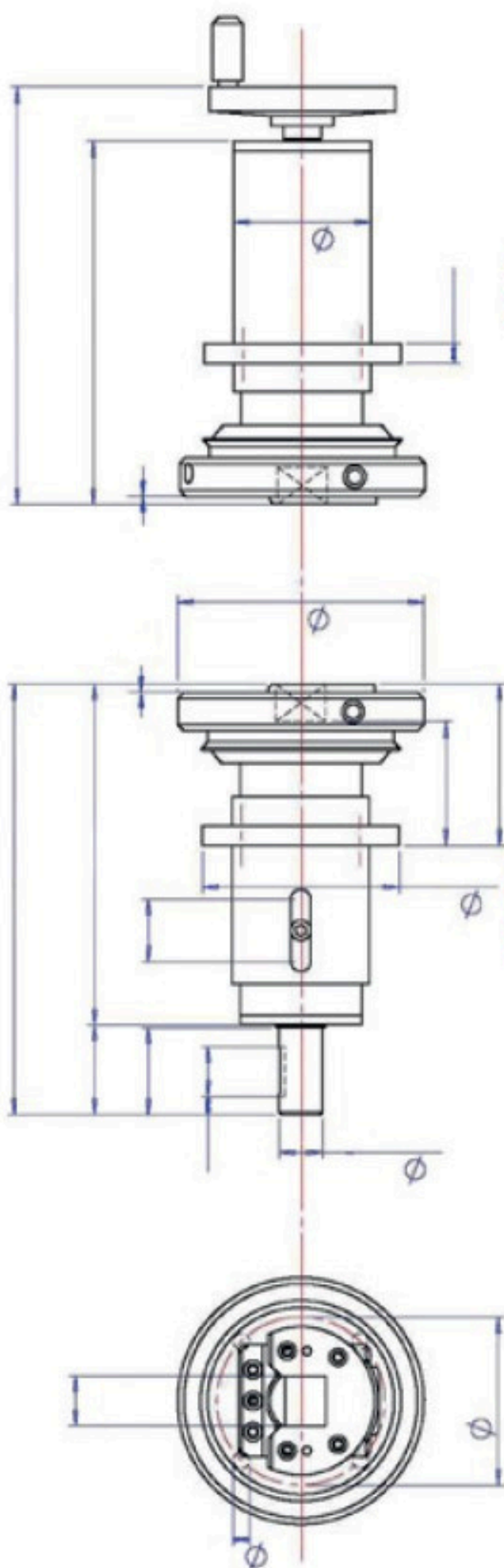
Square : to Depth

Roll Weight : N

Torque : Nm

MBC
Guttin





SFE

SFE/G

MBC
Guttin



CHUCK SERIE
STROKE

Square: to ... Depth

Roll Weight: N

Torque: Nm



NOTES

Maintenance & Spare Parts

How to identify an MBC Chuck ?

Identification of the Chuck :

For the new chucks, a label on the safety chuck indicates the reference of your chuck.

Each reference is unique to each product.

Example: Chuck MBC 40/50 number 1354

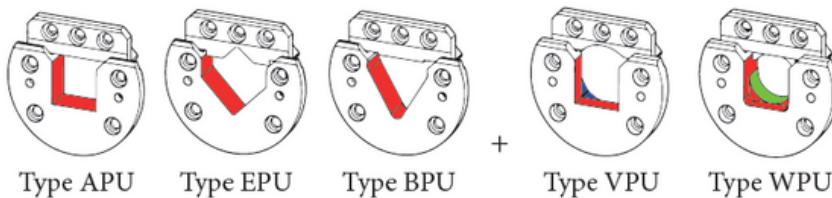
Chuck MBC Guttin,
Pivoting disc



Model of the Chuck
Here : Chuck 40/50

Without Wear Part (PU)

Geometry : E
Size of the square : 50 mm
(simple geometry)



Type APU

Type EPU

Type BPU

Type VPU

Type WPU

Identification of wear parts :

Upper Part

- Exemple -
Chuck Model : 20/30
Type A - PU (Wear part)
Square of 30 mm
You can have double
geometry option VPU or WPU
(ex : AVPU,
EVPU, BVPU)



RESULT :

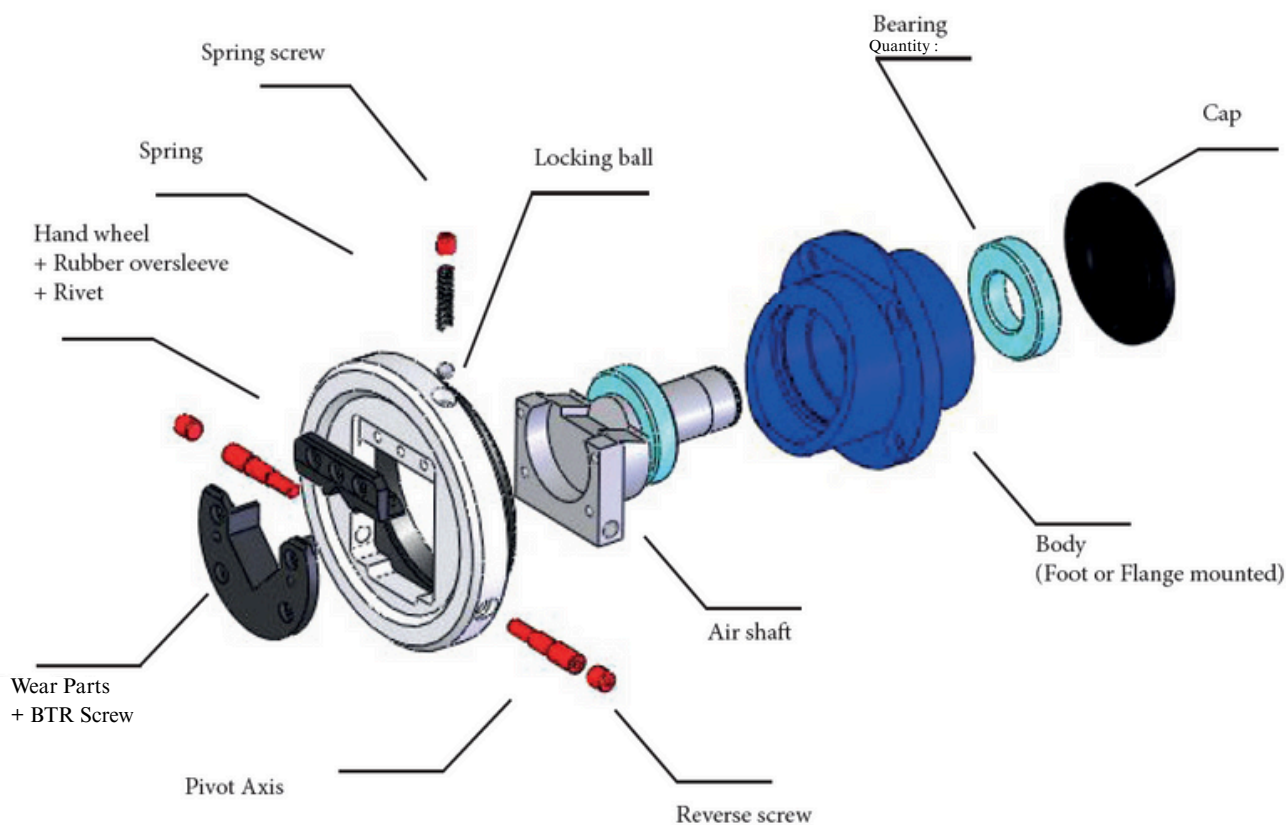
- Chuck MBC n° 1354
- Type de chuck: 40/50
- Size of square : 50 mm
- Simple Geometry : E
- Without Wear Part

Purchase order

Spare Parts -Chuck MBC

- Company name:
- Department :
- Person in charge :
- Email address :

Identification of the different parts :



Identification of wear parts :

Upper Part

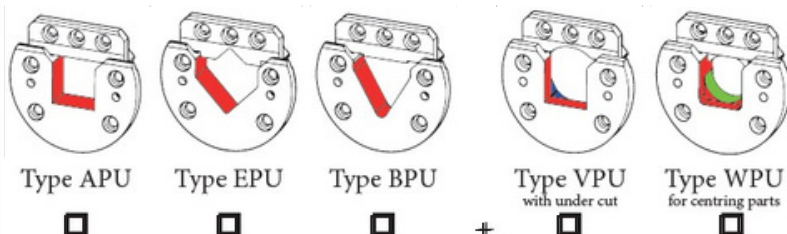
- Example -
Chuck model : 20/30
Type A - PU (Wear Part)
Square of 30 mm

You can have double geometry
option VPU or WPU (ex : AVPU,
EVPV, BVPV)



Technical Characteristics:

- Model of the Chuck:/.....
 - Serie of the Chuck:
 - Geometry's Type :
 - Size of square:mm
 - Other:
- (if replacement, notify the serial number) :



Any doubts, any questions ?

Do not hesitate to contact us, take a picture of the material,
we are here for you !

Chuck, change of Wear Parts

Advantages

- + MBC GUTTIN PATENT
- + Changing the wear parts becomes child's play
- + Everything is disassembled from the front side only
- + Change the wear parts in 7 minutes, watch in hand



Disassembly and reassembly of the Wear Parts :

Necessary tools : a set of 6 sided hollow wrenches

Time : 3 to 7 min.

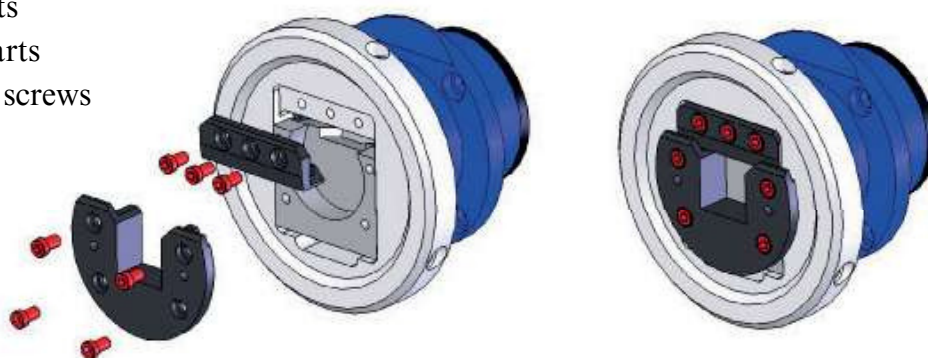
Step 1. : Disassembly : Remove the 7 holding screws using a hex key (Allen wrench)

Step 2. : Remove the Wear Parts

Step 3. : Place the new Wear Parts

Step 4. : Rescrew the 7 holding screws

You have finished !



CHUCK WITH WEAR PARTS

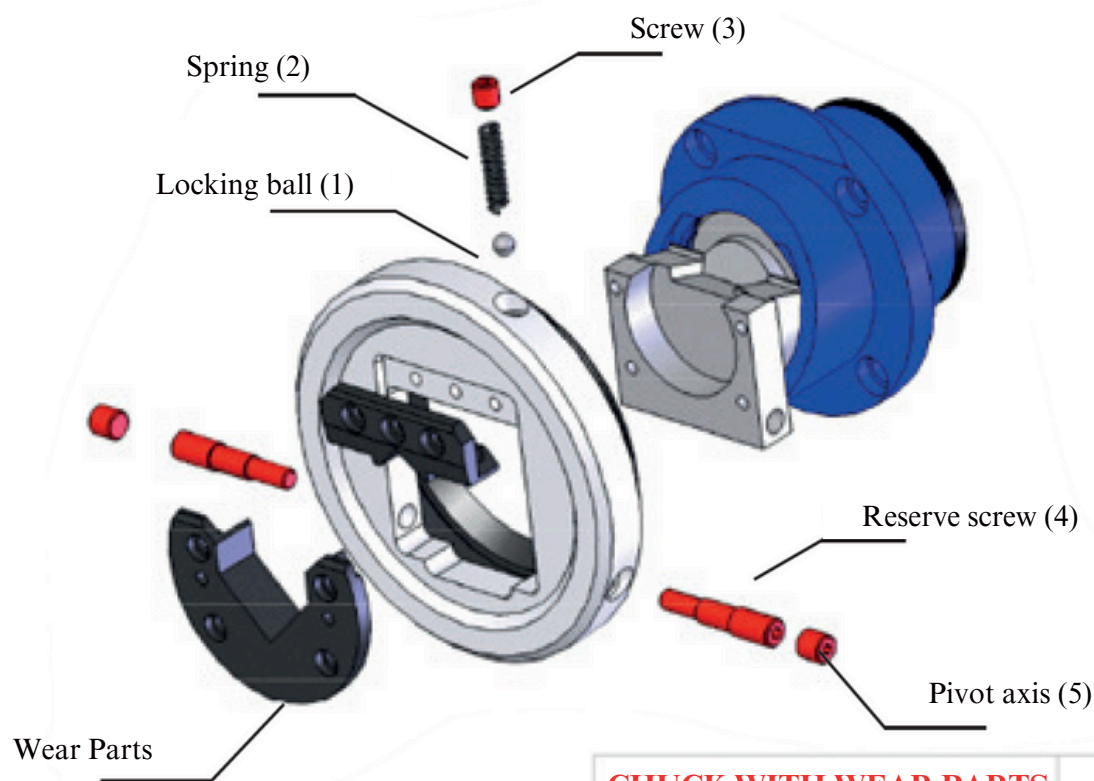
Mounting of the wear parts from the front
face with drive rabbet on the wheel



Advice :

A deterioration of your end shaft causes premature wear of the wear parts. If you experience intensive wear or a significant consumption of wear parts, remember to check your end shaft.

Chuck : Change of the Hand Wheel



CHUCK WITH WEAR PARTS

Detail of Gear Pivot and locking of the Hand Wheel



Disassembly and Reassembly of the Hand Wheel

Necessary tools : a set of 6 hexagon screws

Time : 15 min.

Step 1. : Disassembly: Remove the wear parts (see the notice «Disassembly and Reassembly of the Wear Parts»)

Step 2. : Disassembly: The hand Wheel lock assembly ==> Ball (1), spring (2) et screw (3)

Step3. : Remove the Hand Wheel Fastening assembly = Reserve screw (4) and Pivot axis (5)

Reassembly in the reverse

You are finished !

NOTES

Additional Information

Why create a Chuck in Steel ?

MBC Guttin is the only French Manufacturer to produce Safety Chucks with a steel body

Advantages

- + Possibility of making tailor-made
- + Can be mounted in place of any installation
- + Guarantee Resistance
- + French Manufacturing



Unlike chucks made of cast iron, steel chucks can be machined as needed and customized upon customer request, offering greater design flexibility. This level of adaptability is not possible with a cast iron body, which requires the production of molds.

The body of the MBC Chuck is made from welded steel, painted with polyurethane and the hand wheel is made of galvanised steel. From the raw materials to the final product, the MBC Chucks are 100% made in France.

With 30 years of experience, MBC Guttin oversees the entire value chain and takes pride in its French production. Its research for accessories such as rubber cuffs also reflects this approach and bonds with other French manufacturers.



The security on our Chucks !

The security on our chucks is a priority:

MBC Guttin (Controlled locking mechanism)

Why ? Accident can happen quickly.

Whether serious or minor, it's our role to protect you from any incident !

How ? All MBC Guttin Chucks are equipped with a locking system that activates in case the user forgets to close it.. Just a 1/10 turn and the wheel closes. It is impossible to open the chuck unless it is in the upper (high) position.

A **cuff rubber riveted** protects the user from pinching when opening the hand wheel or from hand jamming during rotation.

Even more security ? MBC Guttin offers you various types of lock. It is now impossible for the chuck to open unless explicitly requested by request of the user.

Locking Type 1 : **Adjustement Wheel**

Simply pull the adjustment wheel on the right or left of the handwheel, to open it.

Locking Type 2 : **Press the button**

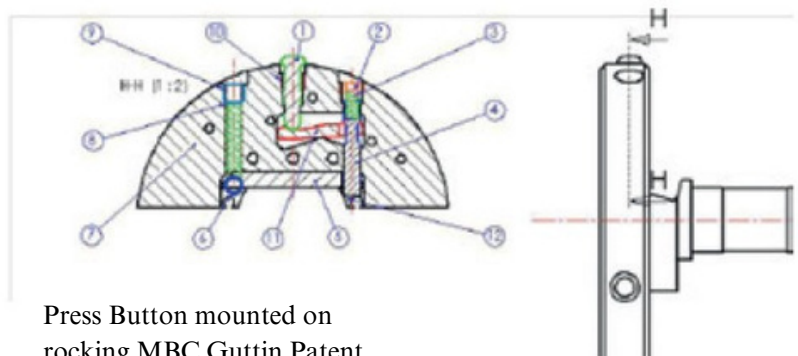
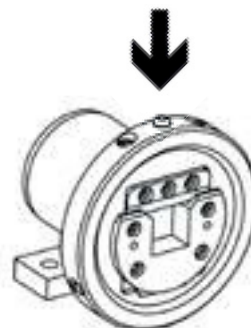
Cleverly positioned in high position, simply press the bouton to open the handwheel.
Ergonomically designed, integrated into the body of the handwheel and mouted on a rocking mechanism, it is THE solution recommended by MBC Guttin.
With less risk of breakage, and a bouncer system (MBC Patent) you no longer have to choose between right or left.

Advantages

- + A chuck that locks if the user forgets
- + Impossible to open out of position
- + Option to lock in any available position
- + ECC Approved Product



Press the button



Press Button mounted on rocking MBC Guttin Patent

How to identify an MBC Chuck ?

Identification of the Chuck :

For the new chucks, a label on the safety chuck indicates the reference of your chuck.

Each reference is unique to each product.

Example: MBC Chuck 40/50 number 1354

Chuck MBC Guttin,
Pivoting disk

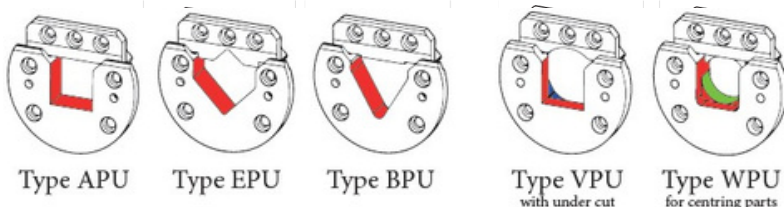


Model of the chuck
Here: Chuck 40/50



Without wear part (PU)

Geometry: E
Size of the square : 50 mm
(simple geometry)



Identification of wear parts :

Upper part

- Exemple -
Chuck model : 20/30
Type A - PU (Wear Part)
Square of 30 mm
You can have double geometry
option VPU or WPU
(ex : AVPU, EVPU, BVPU)



RESULT :

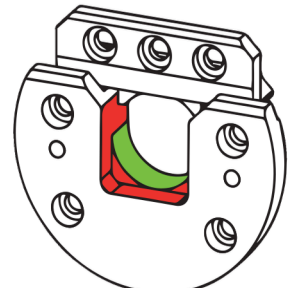
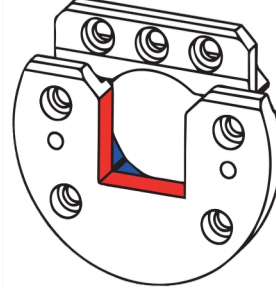
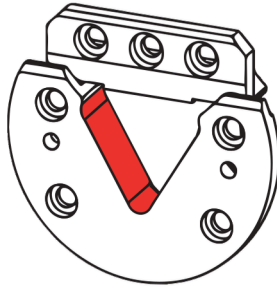
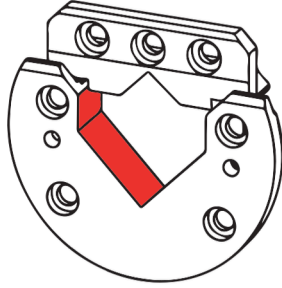
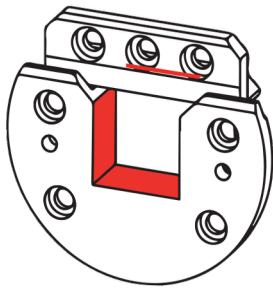
- Chuck MBC n° 1354
- Type of chuck : 40/50
- Size of square : 50 mm
- Simple Geometry : E
- Without Wear Part

Comparative MBC Geometries :

Simple

Simple Geometry

Double Geometry



Type APU

Type EPU

Type BPU

+ Type VPU
ex : AVPU - EVPU - BVPU

Type WPU
ex : AWPU - EWPU - BWPU

The «square» geometry type A allows torque to be transmitted through 4 flat faces.

This reduces wear and allows high torques and loads.

Here presented in APU with wear parts (PU) geometry A + PU = APU

The «square» geometry E facilitates the insertion of your square into the chuck. This one is guided on point and not on flat surface.

However, be cautious with this type of geometry, as there is a loss of 20 % in torque and load.

Here represented in EPU with wear parts (PU) geometry E + PU = EPU

Historically known in the Textile industry, this 3 faces geometry allows an easy insertion.

Here represented in BPU with wear parts (PU) geometry B + PU = BPU

Equipped with a centering part on the diagonal of the square, this geometry completely eliminates impacts and significantly reduces vibrations.

Equipped on our axial sliding chucks, this geometry also allows you to transmit translation from one chuck to another.

You can find it in AV - EV - BV or AVPU - EVPU - BVPU

The WPU geometry type is equipped with a centering part that fits into the square. This geometry can effectively eliminate impacts and significantly reduce the vibrations.

You can find it in AW - EW - BW or AWPU - EWPU - BWPU

Example of corresponding end shafts



Why use Wear Parts ?

Why use Wear Parts ?

Torque and intensive use can distort the geometry of your shafts and chucks. Over time, these parts wear out and the transmission of the torque is no longer guaranteed. Your shafts begin to vibrate, which means it's time to change your end shafts and/or your chucks. MBC Guttin provides you an alternative with its complete range of wear parts.

Respecting the original geometry, the wear parts are designed to wear out before your end shaft gets too much damage. Economically advantageous, this system enables the equipment to be restored much more quickly than replacing the entire "shaft+chuck" assembly.

MBC Guttin offers wear parts interchangeable only from front in only a few minutes.

The MBC Patent:

MBC Guttin has designed a piece with a rabbet cut into the handwheel. The wear part rests in place and the torque is transmitted by it. The 7 screws on the front serve only as holding screws.

It is therefore not necessary to disassembly the handwheel to remove fasteners, such as pins or other components, a simple Allen wrench is sufficient.

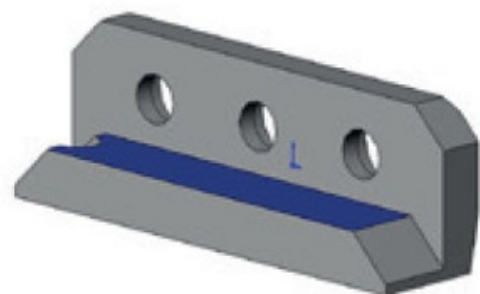
Advantages

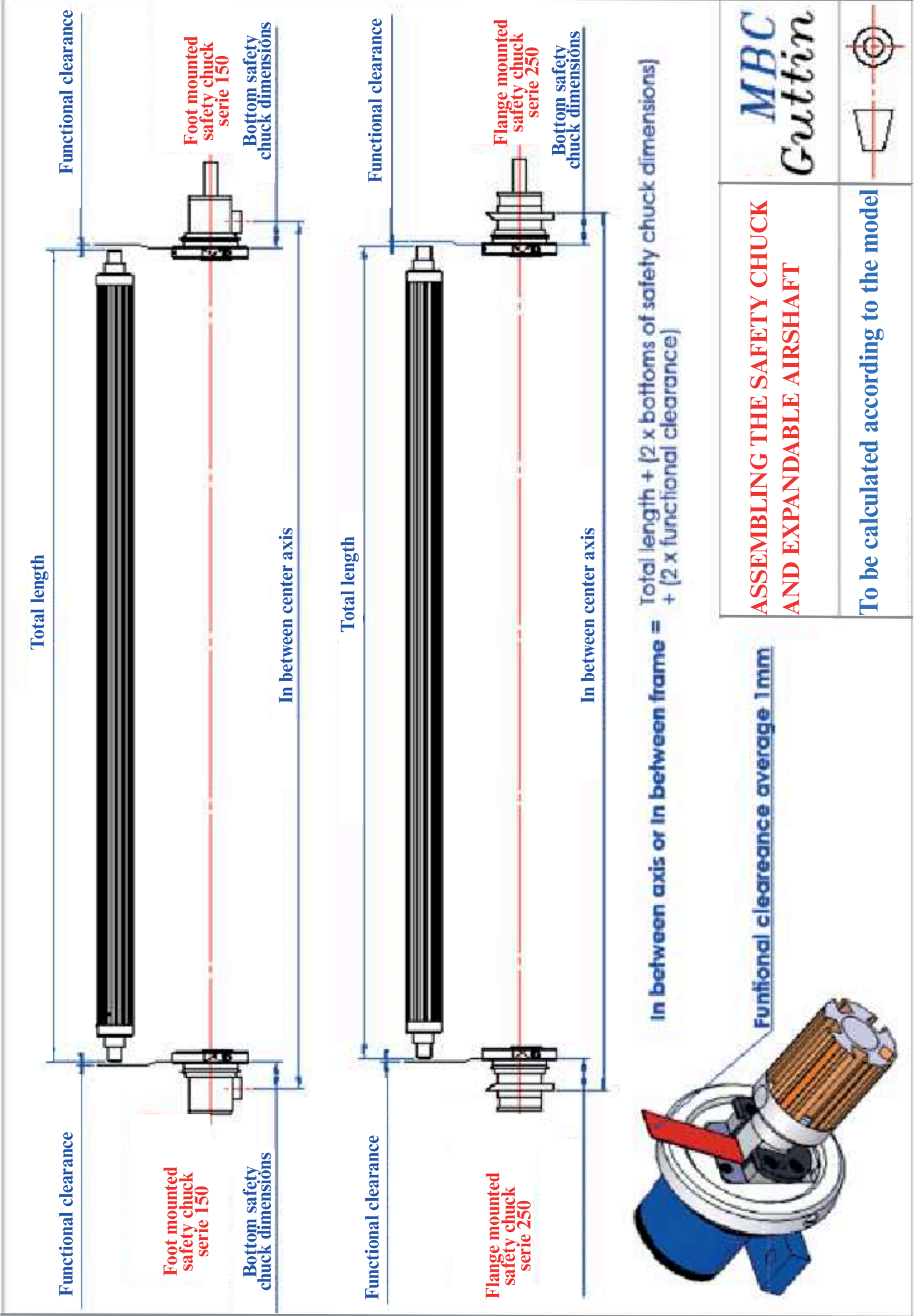
- + Replacement of the used geometry with a new one in just a few minutes
- + 7 minutes = 7 screws
- + A simple BTR is sufficient
- + Find all original geometries
- + Economically Advantageous
- + MBC Guttin PATENT

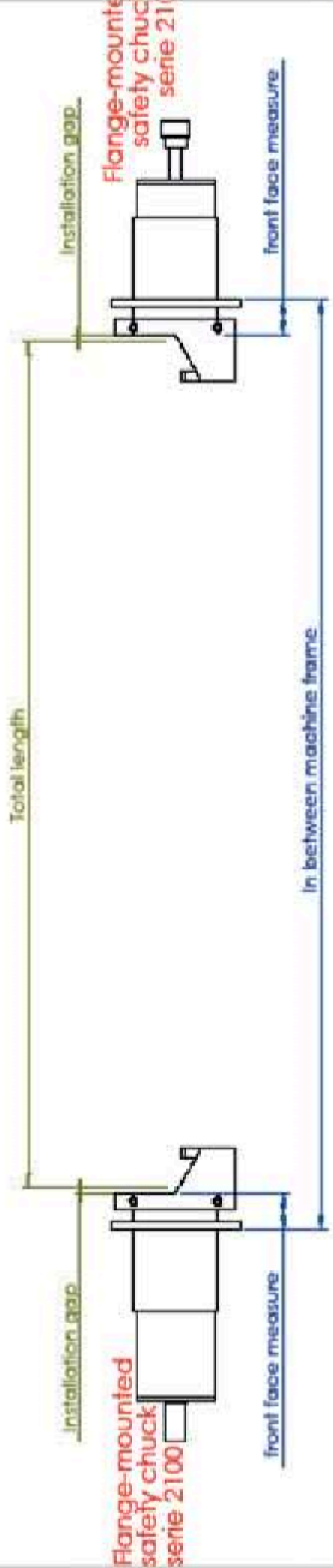
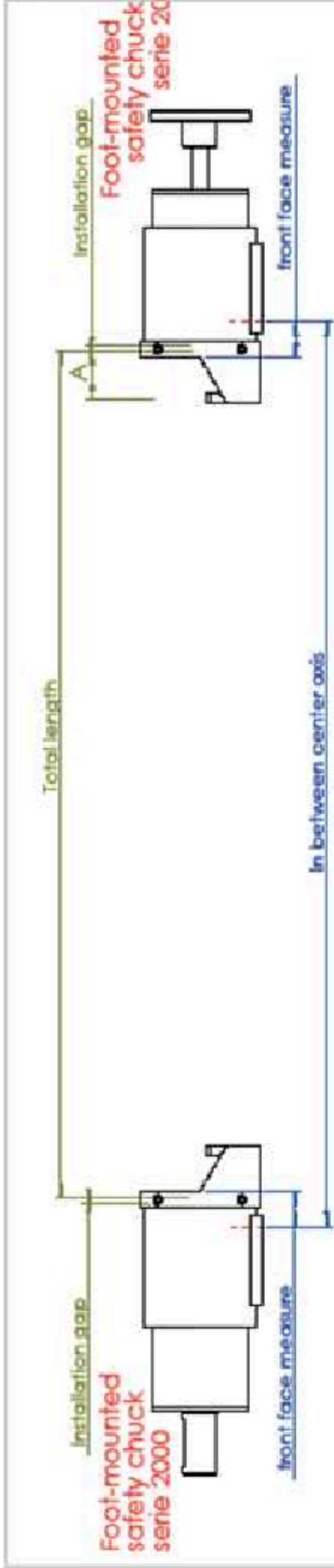
PATENT



Be cautious with the double geometry !







In between axis or Airshaft Total length + (2 x front face measures)
 In between frame = + (2 x functional clearance)

Installation Gap : 10 mm



	stroke 60	Stroke 100
A	85	125

**ASSEMBLING THE SAFETY CHUCK
 SERIE 2000 AND AIRSHAFT**

To be calculated according
 to the model

**MBC
 Guttin**



II. Safety Chuck

Pneumatic

Safety Chucks

Pneumatic



Pneumatic Chuck with sliding wheel
Simple or double effect
(serie 2200 - 2201)
(serie 2300 - 2301)



Pneumatic Chuck
Double effect
(serie 2400 - 2500)



Pneumatic Chuck, double effect
Self-centring and Multifunctional
(serie 2000 - 2100)

Safety Chuck

Pneumatic Chuck with sliding wheel
Simple or Double effect

Serie 2200 - 2201
Serie 2300 - 2301
Serie 2400 - 2500



Advantages

- + Can be installed in place of any existing installation
- + Pneumatic opening and closing
- + Automation of the entire process
- + Axial inflation of the shaft possible

Pneumatic opening
Integrated into the machine or push button



Pneumatic closure and automatic closure in
case of user forgetfulness



Options Type:

- Foot or Flange mounted
- Choice of geometry
- Wear Parts
- Locking Type 1 or Type 2
- With or without shaft end
- Possibility to set position sensors



Low Maintenance

The Safety Chucks designed to optimize your maintenance time
Save nearly 15 min. when changing your wear parts
7 screws and disassembly only from the front side

Create your Safety Chuck !

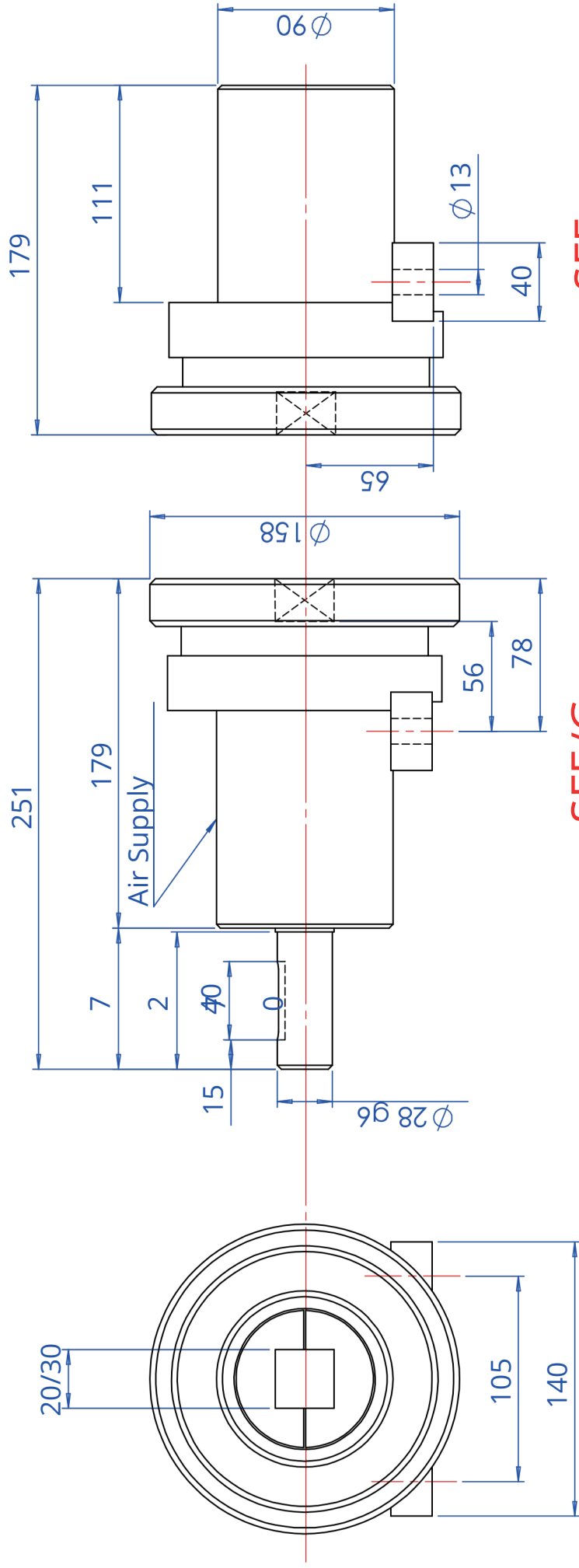


Layout map

Manual Safety Chuck

Drawings for measurement taking

Chuck Serie
2200 and 2201,
2300 and 2301



SFE/G

SFE

Pneumatic Safety Chuck Serie 2000 Double Effect

Pneumatic Safety Chuck Serie 2201 Simple Effect

Safety Chuck Serie 2200-2201

20/30

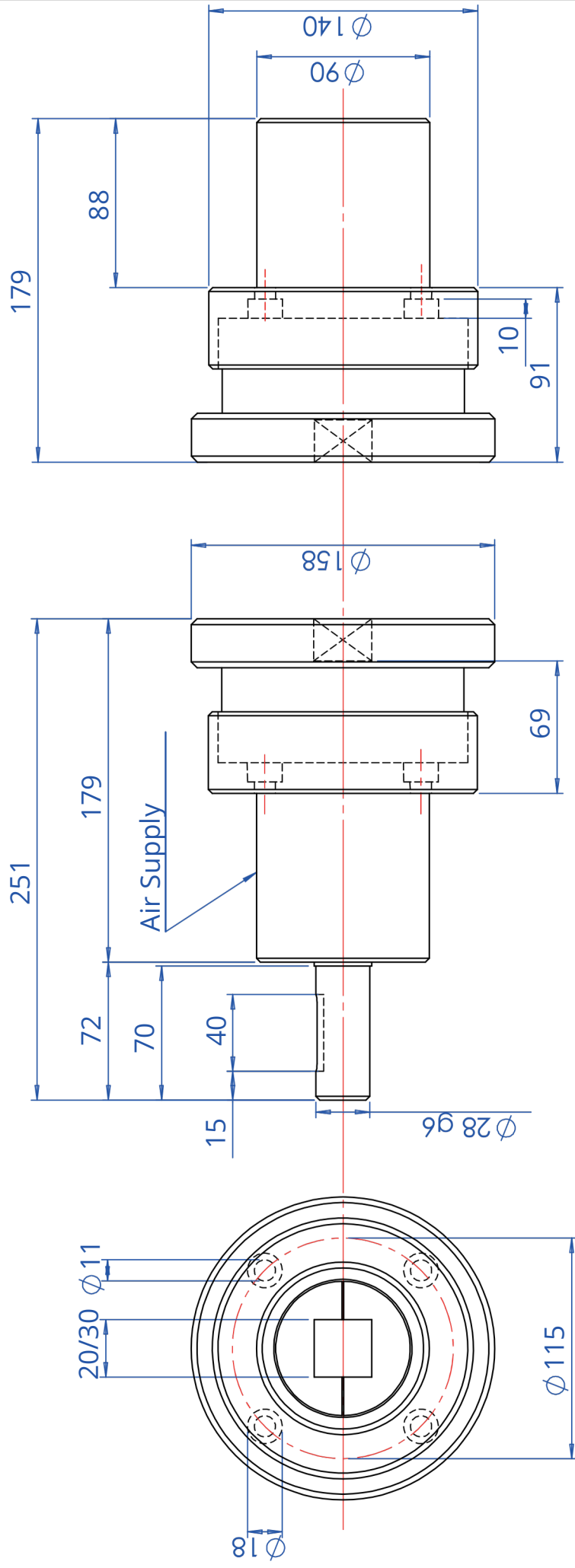
Square : 20 to 30 depth 22

Roll weight : 8000 N

Torque : 185 Nm

MBC
Guttin





SFE/G

SFE

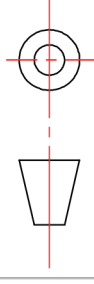
Pneumatic Safety Chuck Serie 2300 Double Effect

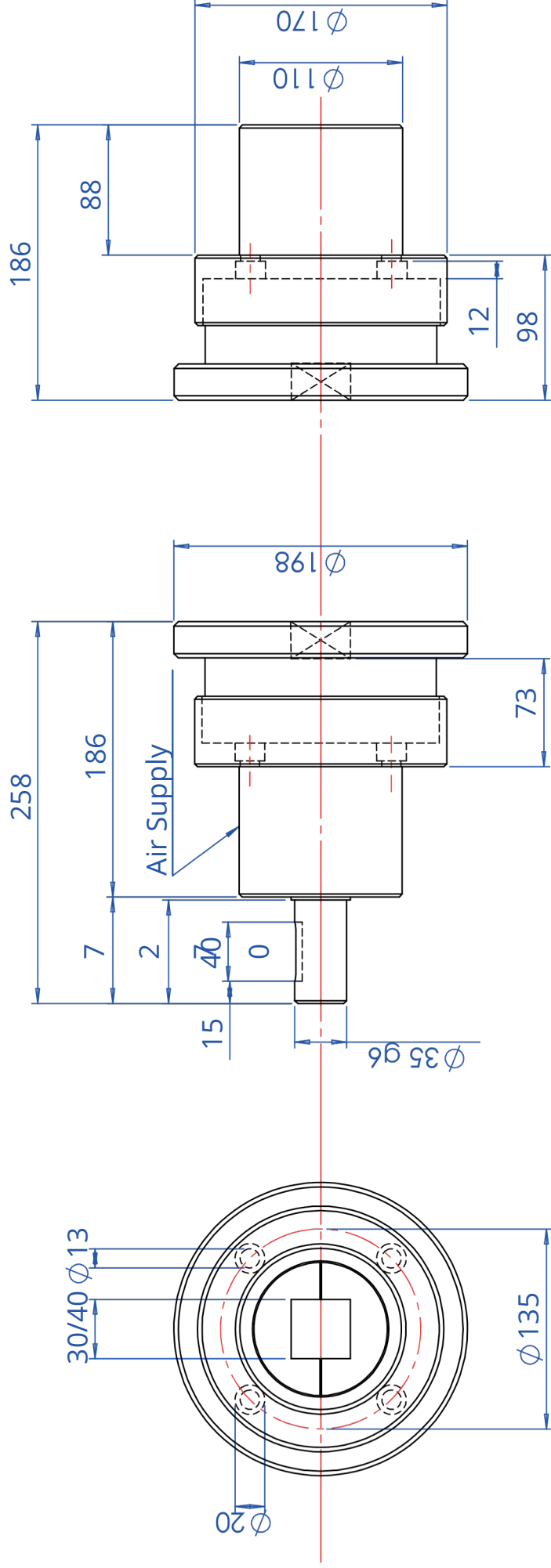
Pneumatic Safety Chuck Serie 2301 Simple Effect

Safety Chuck Serie 2300-2301
20/30

Square: 20 to 30 depth 22
 Roll weight : 8000 N
 Torque : 185 Nm

MBC
Guttin





SFE/G

SFE



Pneumatic Safety Chuck Series 2300 Double Effect
Pneumatic Safety Chuck Series 2301 Simple Effect

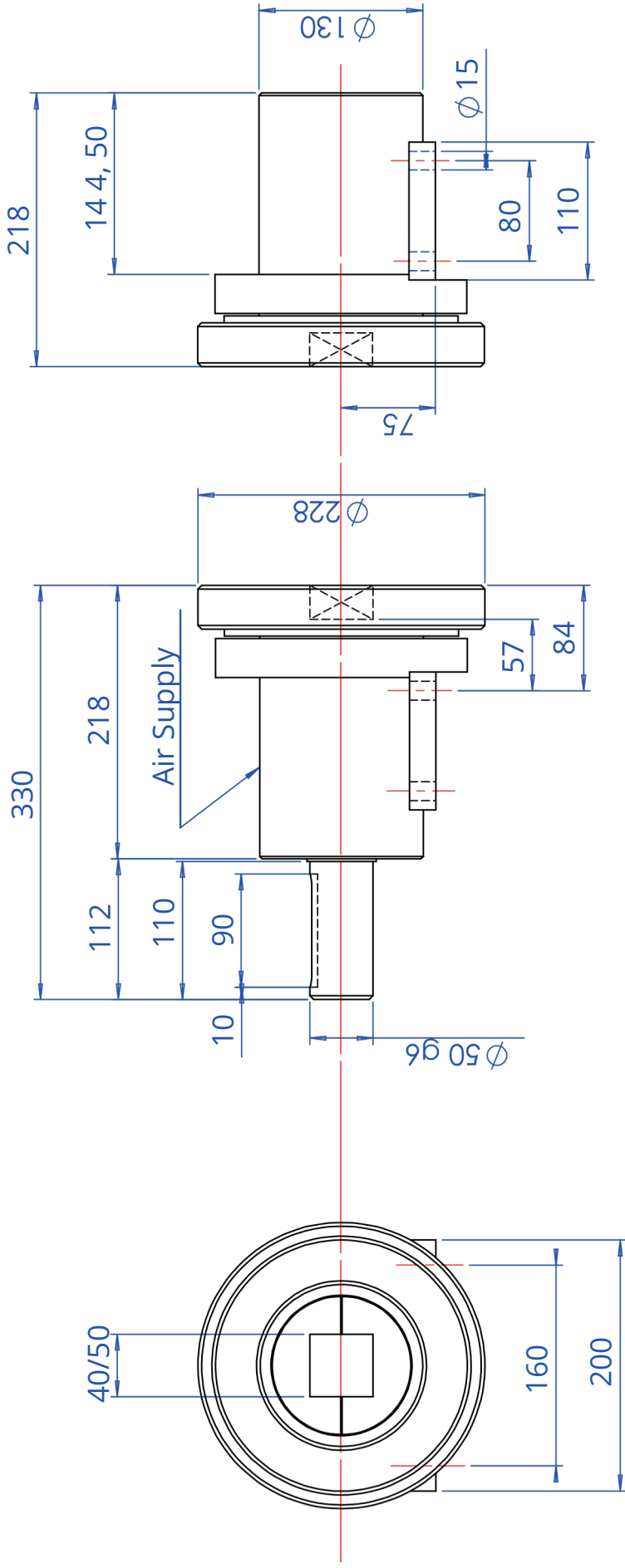
Safety Chuck Serie 2300-2301

30/40

Square: 30 to 40 depth 25
Roll weight : 1 600 N
Torque : 350 Nm

MBC
Guttin





SFE/G

SFE



Pneumatic Safety Chuck Serie 2200 Double Effect

Pneumatic Safety Chuck Serie 2201 Simple Effect

Safety Chuck Serie 2200-2201

40/50

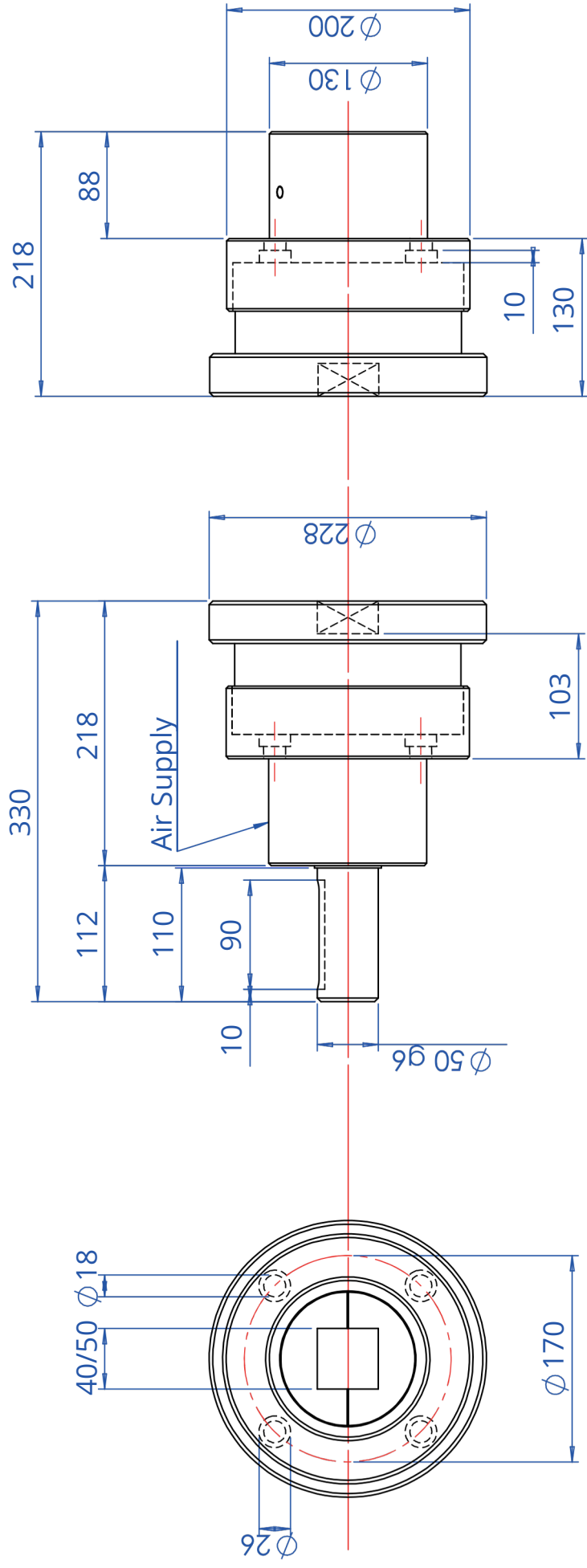
Square : 40 to 50 depth 27

Roll weight : 28 500 N

Torque : 1 100 Nm

MBC
Guttin





SFE/G

SFE



Pneumatic Safety Chuck Serie 2300 Double Effect
Pneumatic Safety Chuck Serie 2301 Simple Effect

Safety Chuck Serie 2300-2301

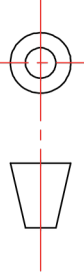
40/50

Square: 40 to 50 depth 27

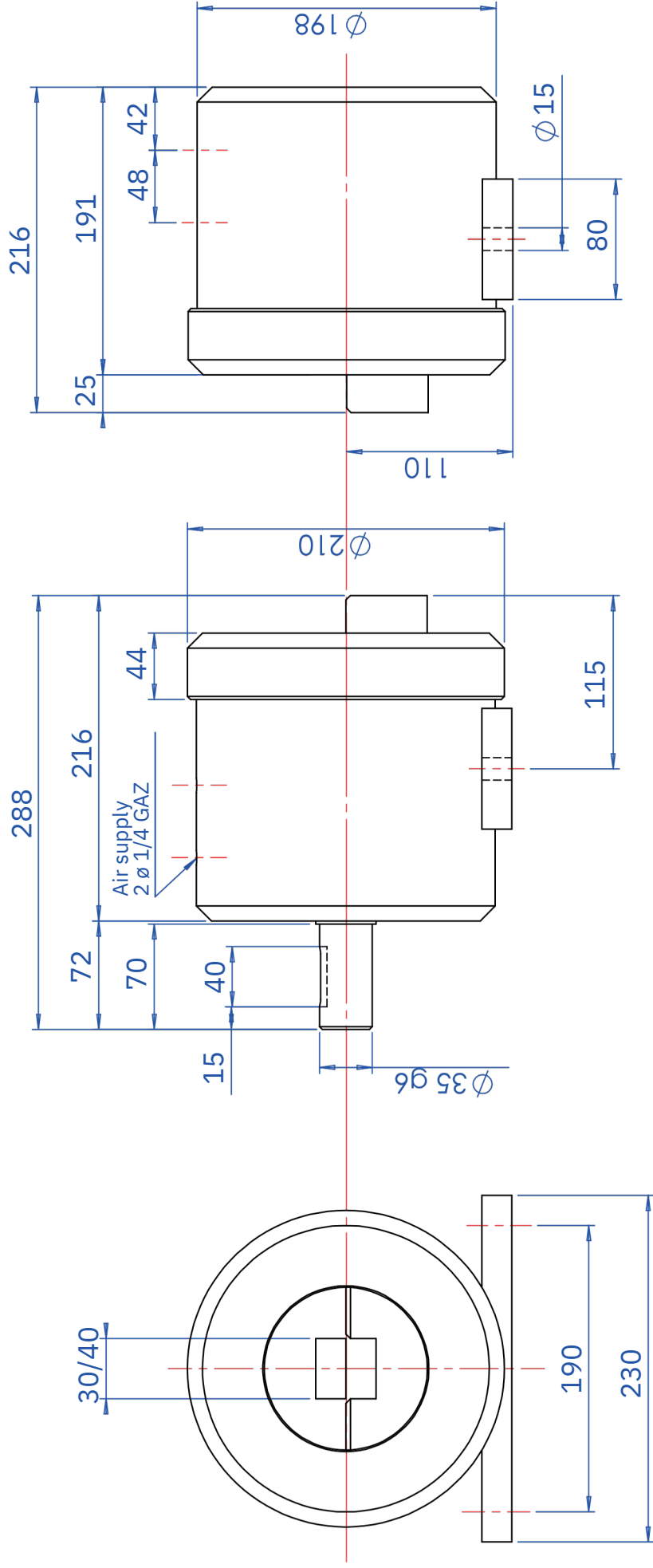
Roll weight : 28 500 N

Torque : 1 100 Nm

MBC
Guttin

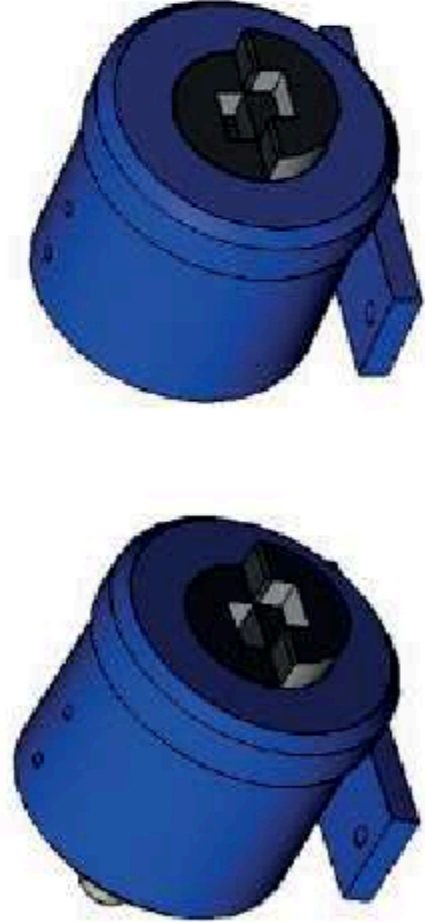


Chuck serie 2400 and 2500



SFE/G

SFE



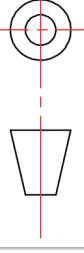
SAFETY CHUCK SERIE 2400 30/40

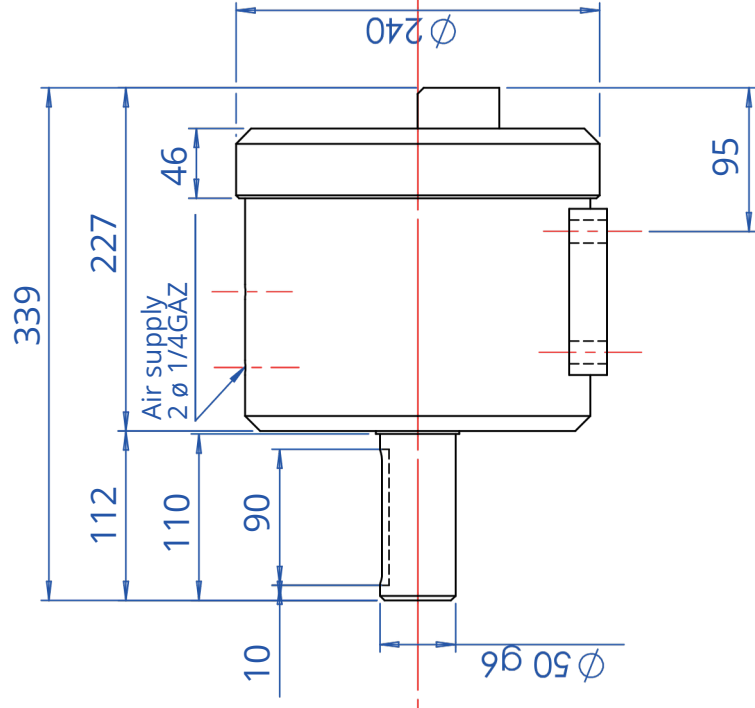
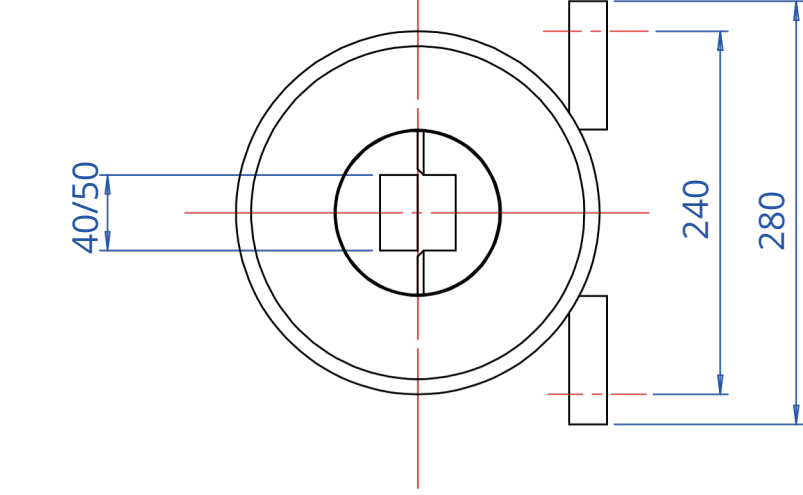
Square : 30 to 40 depth 25

Roll weight : 16000 N

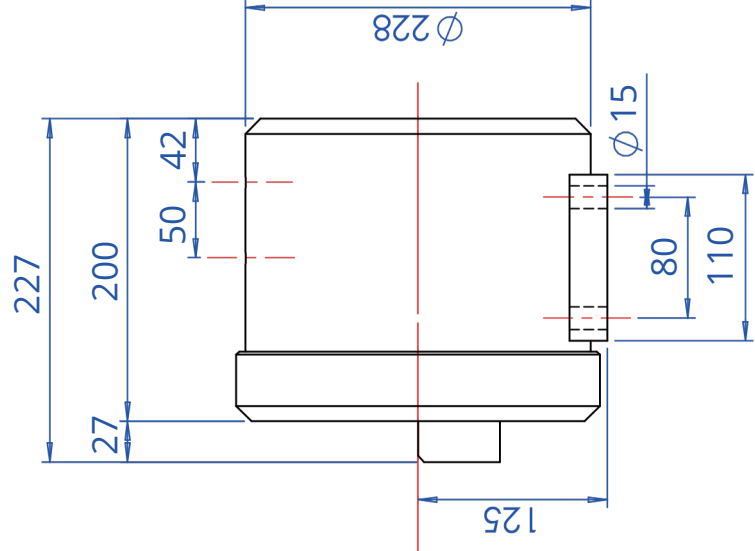
Torque : 350 Nm

MBC
Cuttin





SFE/G



SFE



SAFETY CHUCK SERIE 2400 40/50

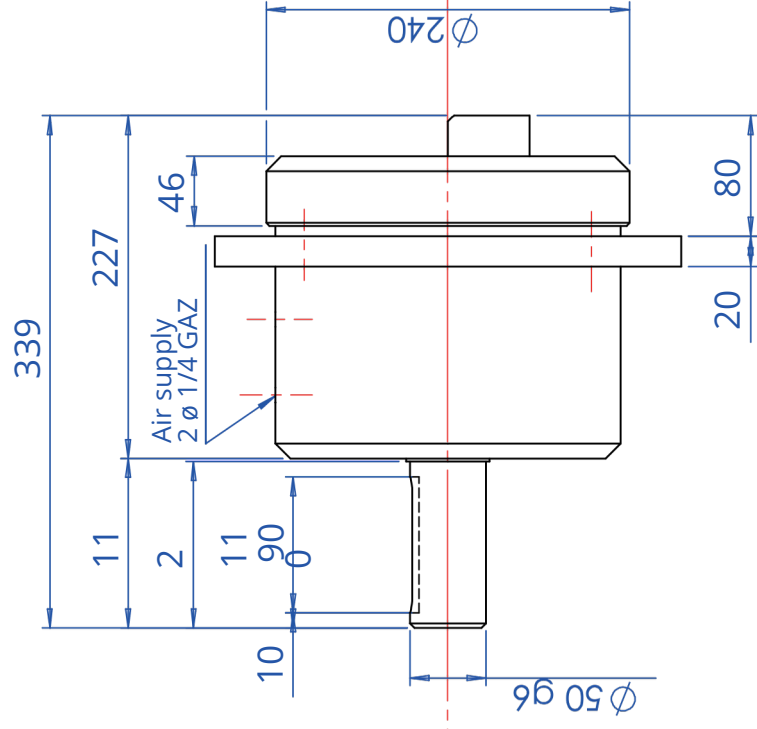
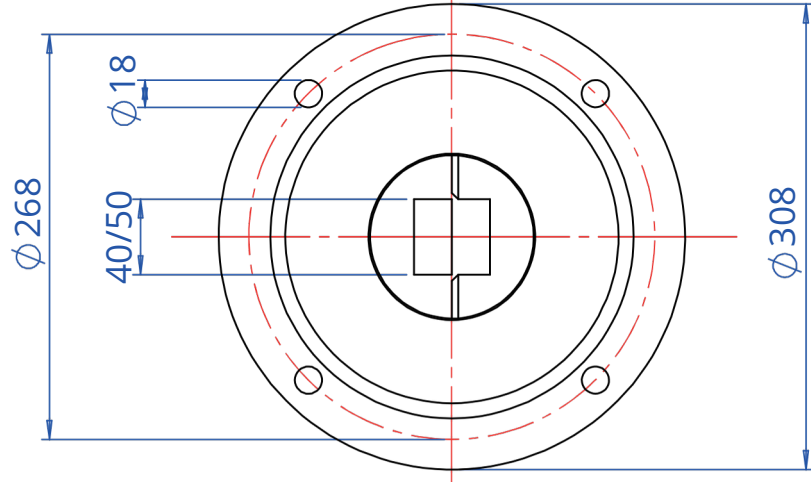
Square : 40 to 50 depth 27

Roll weight : 28 500 N

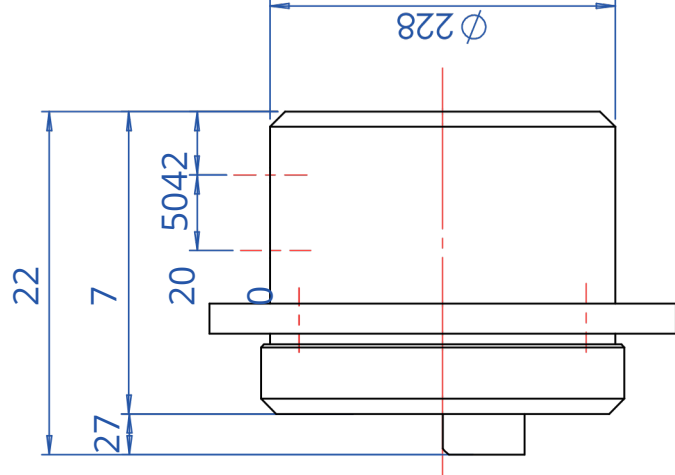
Torque : 1 100 Nm

MBC
Gu ttin





SFE/G



SFE

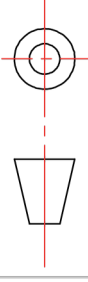
SAFETY CHUCK SERIE 2500 40/50

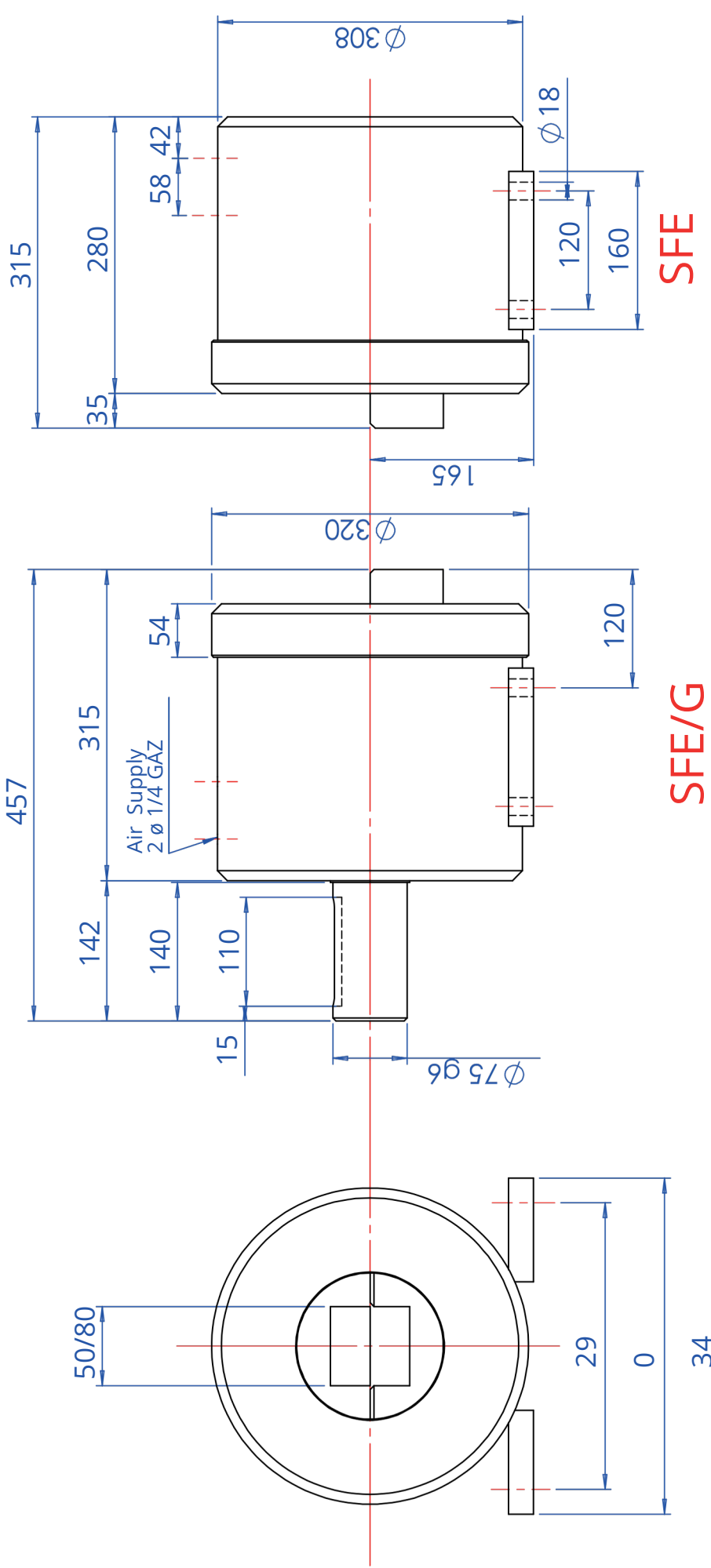
Square : 40 to 50 depth 27

Roll weight : 28 500 N

Torque : 1100 Nm

MBC
Guttin





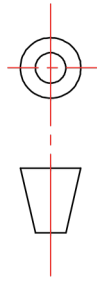
SAFETY CHUCK 2400 50/80

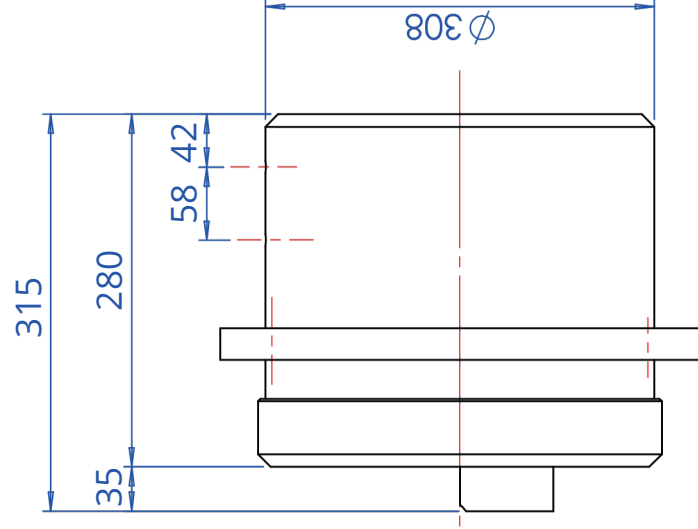
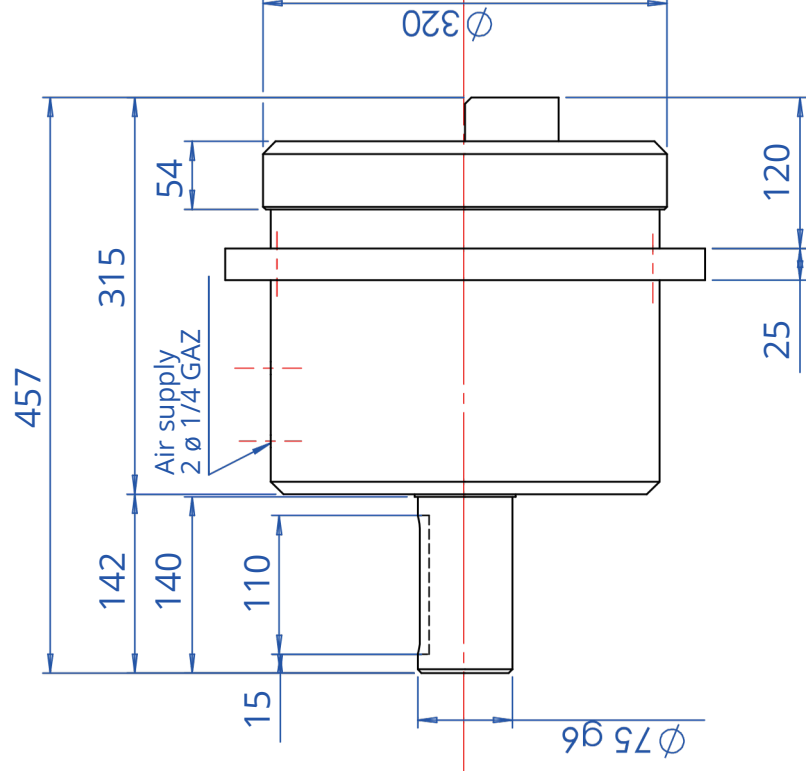
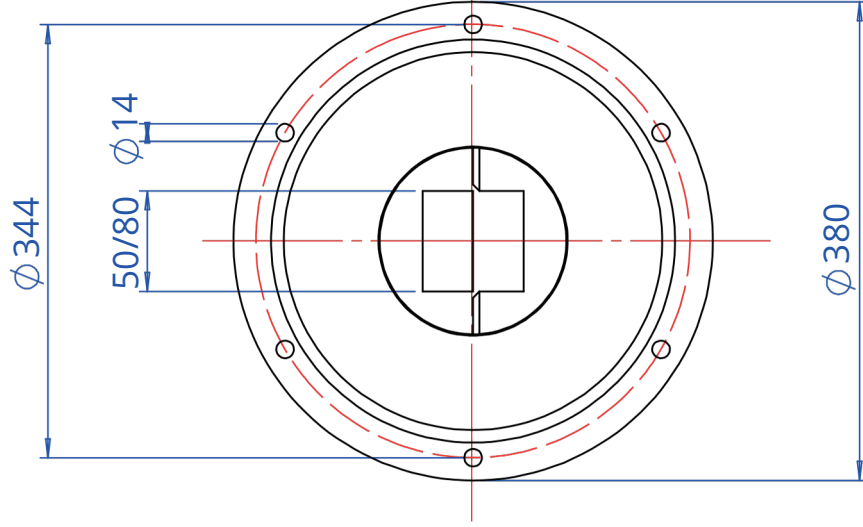
Square : 50 to 80 depth 35

Roll weight : 72000 N

Torque : 2 350 Nm

MBC
Guttin





SFE/G

SFE



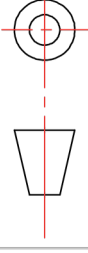
SAFETY CHUCK SERIE 2500 50/80

Square : 50 to 80 depth 35

Roll weight : 72 000 N

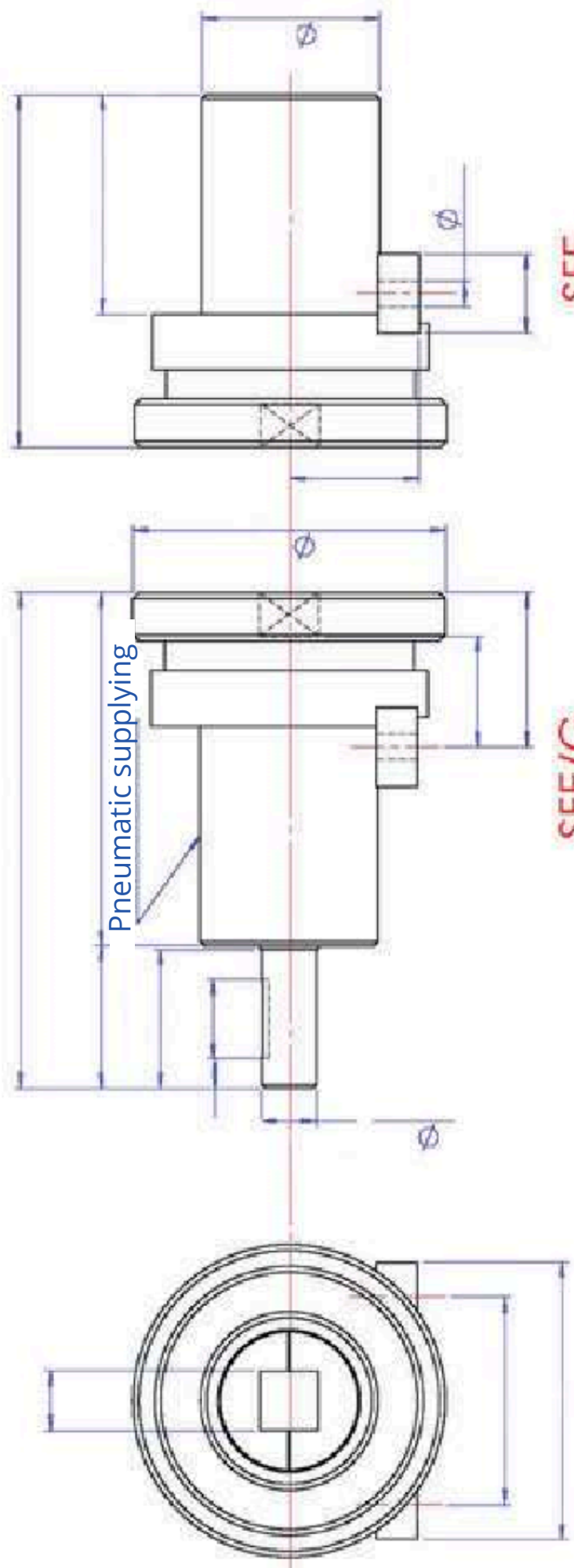
Torque : 2 850 Nm

MBC
Guttin



NOTES

Drawings for measurement taking



SFE/G

SFE

Pneumatic safety chuck
Pneumatic safety chuck

double effect
simple effect

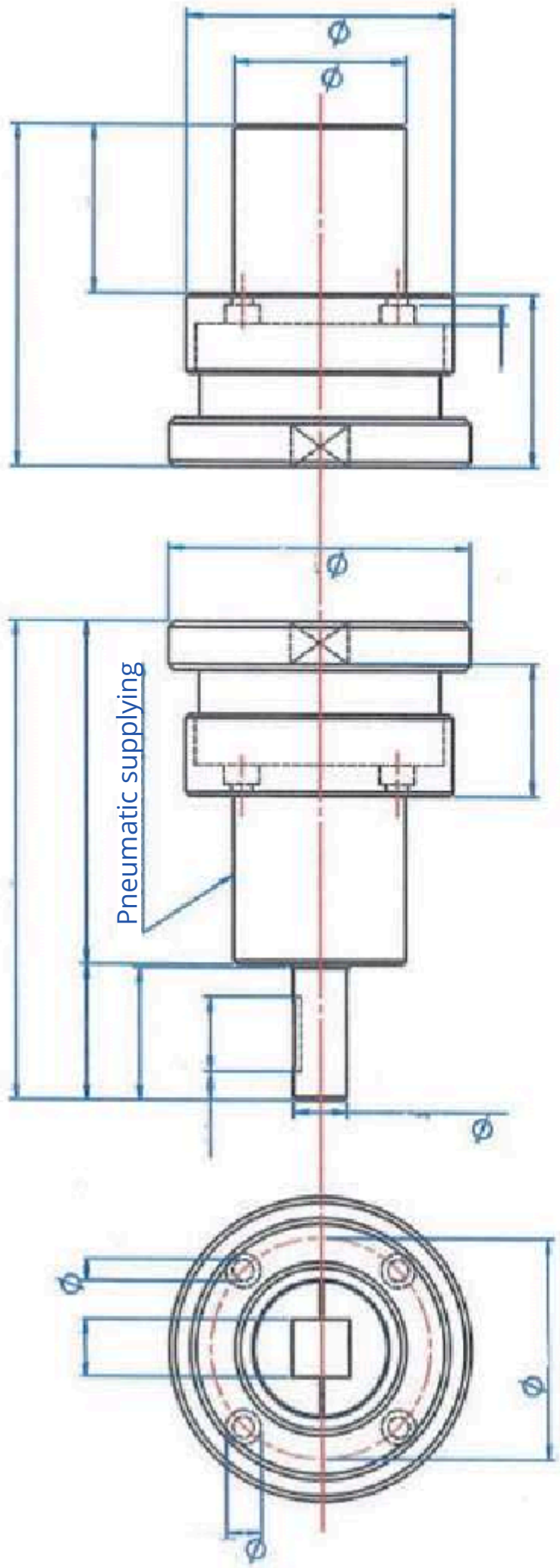


SAFETY CHUCK SERIE

Square : to depth
Roll weight : N
Torque : Nm

*MBC
Cuttin*





SFE/G

SFE

Pneumatic safety chuck
Pneumatic safety chuck

double effect
simple effect

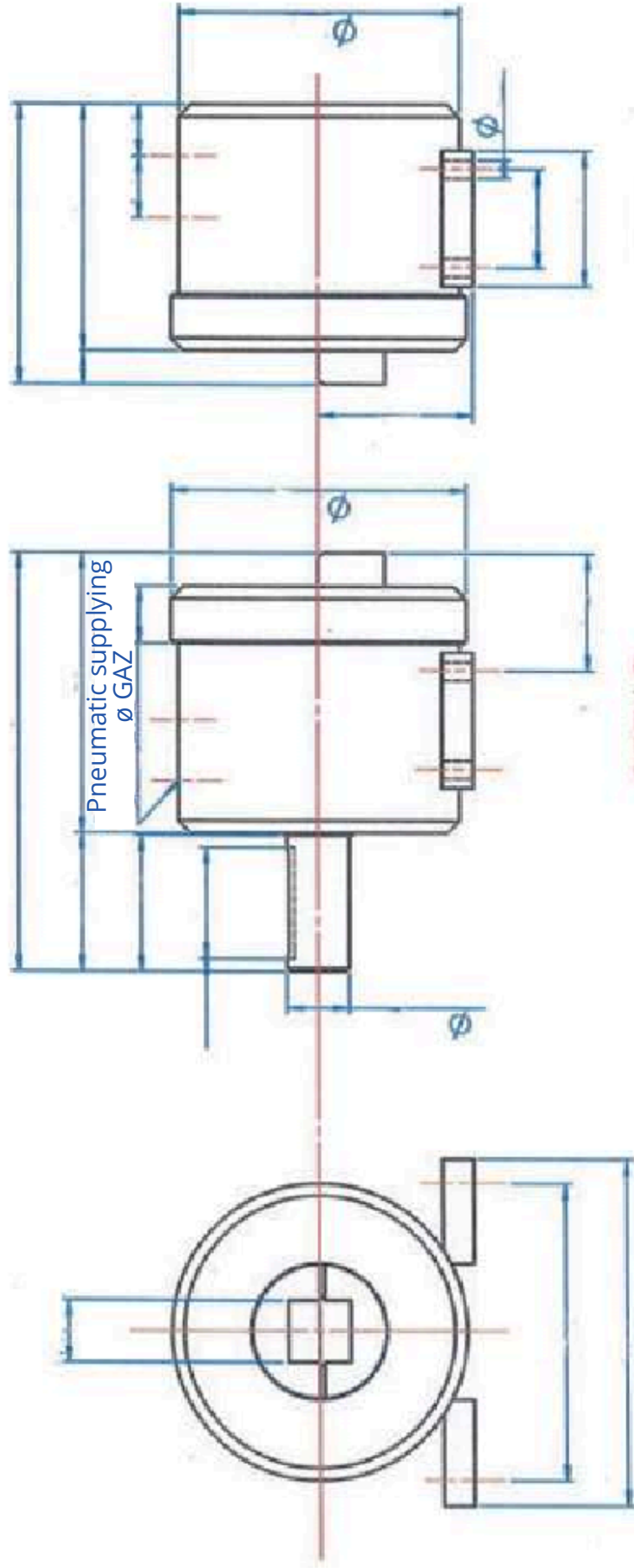


SAFETY CHUCK SERIE

Square : to depth
Roll weight : N
Torque : Nm

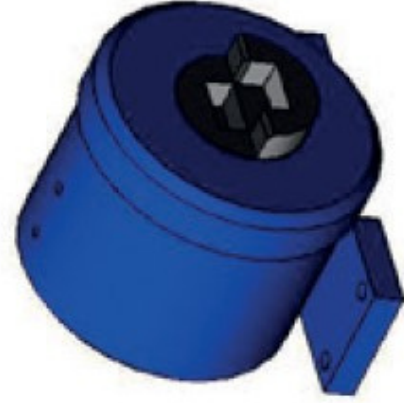
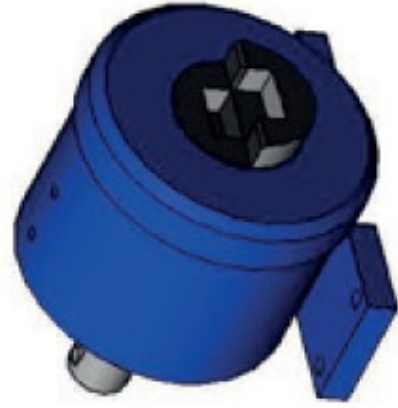
MBC
Guttin





SFE/G

SFE

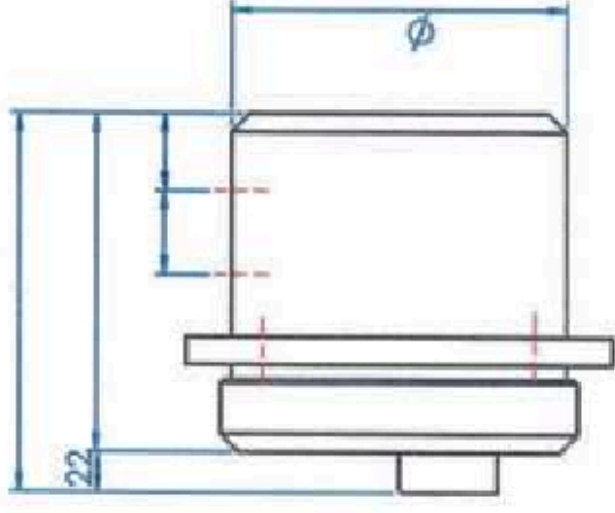
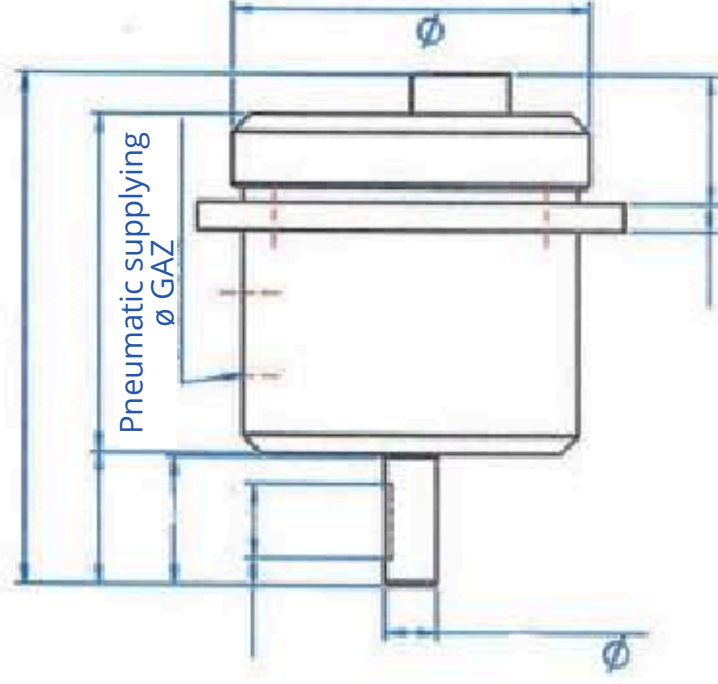
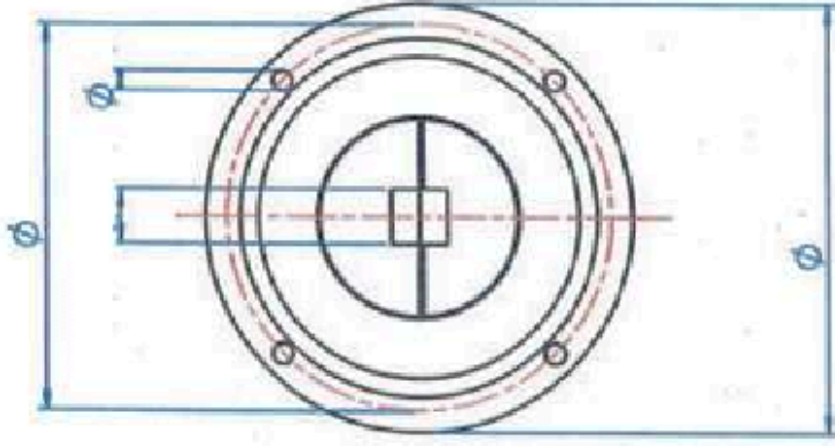


SAFETY CHUCK SERIE

Square: to depth
Roll weight: N
Torque: Nm

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*MBC
Guttin*



SAFETY CHUCK SERIE

Square :	to depth
Roll weight :	N
Torque :	Nm

III. Safety Chuck

Pneumatic and Self-centring

SAFETY CHUCKS

Pneumatic



Pneumatic Chuck with sliding wheel
Simple or double effect
(serie 2200 -2201)
(serie 2300 -2301)



Pneumatic Chuck
Double effect
(serie 2400 - 2500)



Pneumatic Chuck, double effect
Self-centring and Multifunctional
(serie 2000 -2100)

MBC Patent : Chuck Serie 2000

Advantages

- + High speed work
- + Self-centring of the shaft
- + No vibration
- + Multifunctional
- + Axial regulation for edge alignment



Chucks serie 2000 (2100, 2200, 2300) are pneumatic chucks that simplify your handling and improve your performance.



Step 1

Place your shaft on the shaft support



Step 2

Turn on your pneumatic system



Step 3

Thanks to its tapered notched end shaft, the chuck serie 2000 automatically retrieves your shaft and centers your shaft. Its double cone facilitates indexing and does not damage the teeth



Step 4

Rotating. You achieve a vibration-free rotation that now allows you to work at very high speeds safely.

Available Options :

Smoothed bar support



Bar support with bearing range



Expansible head with shells



Expansible head with lugs



Chuck Serie 2000,

A Multifunctional Chuck



Why a Multifunctional Chuck ?

The Chuck serie 2000 is originally mounted with a conical end shaft. However, MBC Guttin refined its design to meet your expectations. The result: it is now possible to work between points. MBC offers a range of expansible heads and spindles.

You will find all types of female end shafts available for this chuck easily interchangeable.

Got a special request ? Call us !

For working directly on the core or between centers, MBC offers a range of mechanical or expanding heads



Conical adapter



Round adapter
smooths



Agricultural
Type Adapter

Shells expansible
head



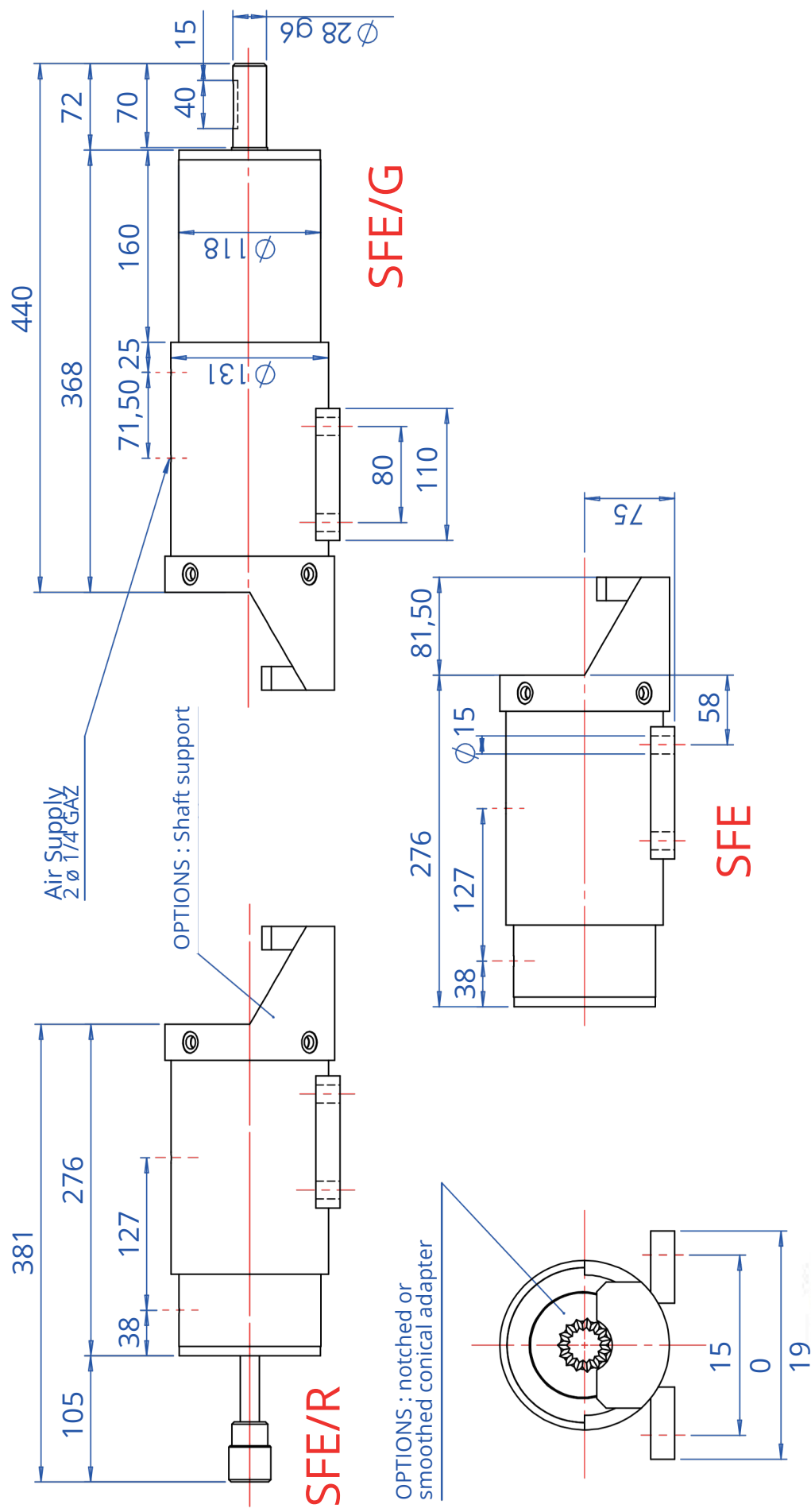
Expansible head
with lugs



Layout Plan

- Safety Chuck -
Pneumatic
Self centring

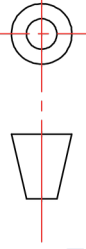
Chuck serie 2000 - 2100

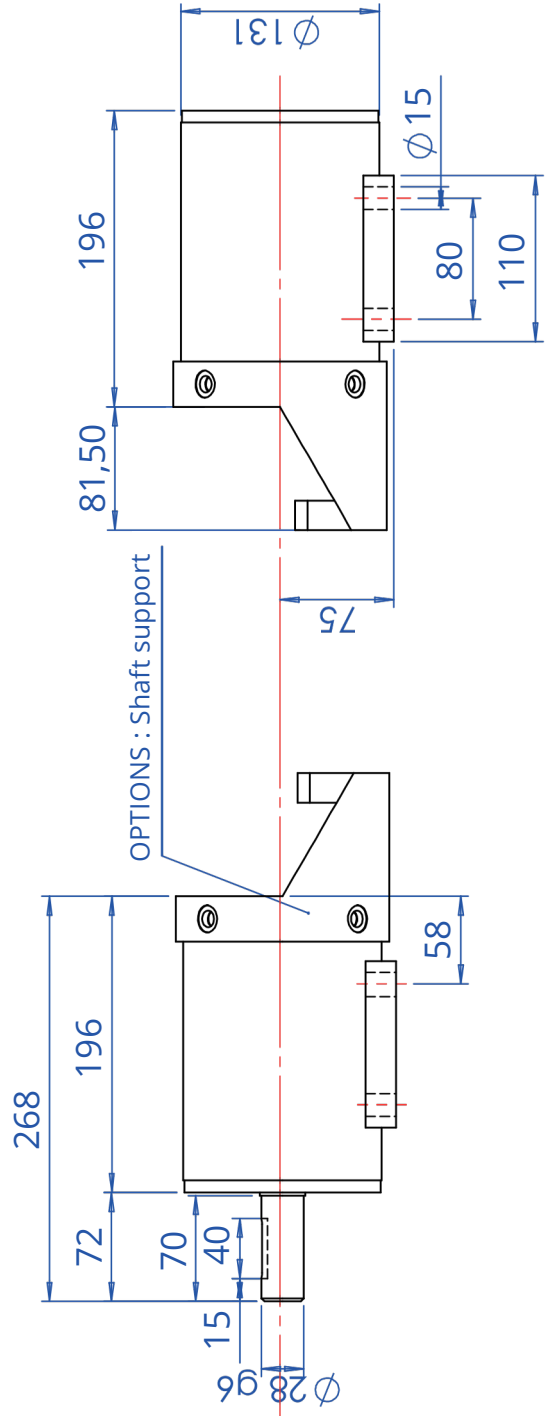
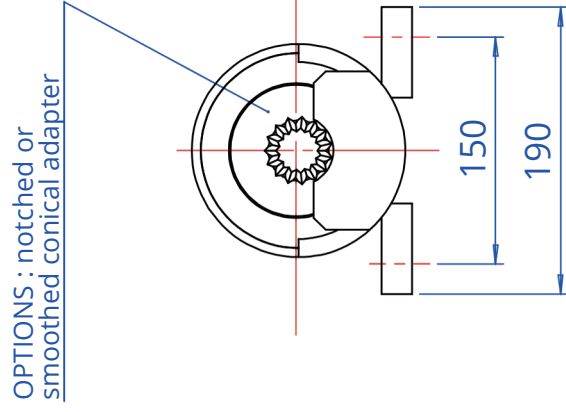


**PNEUMATIC CHUCK
SERIE 2000 20/30
STROKE 60 mm**

Roll weight : 8 000 N
Available with a stroke 100 mm

**MBC
Guttin**





SFE/ STG

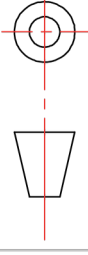
SFE/ST

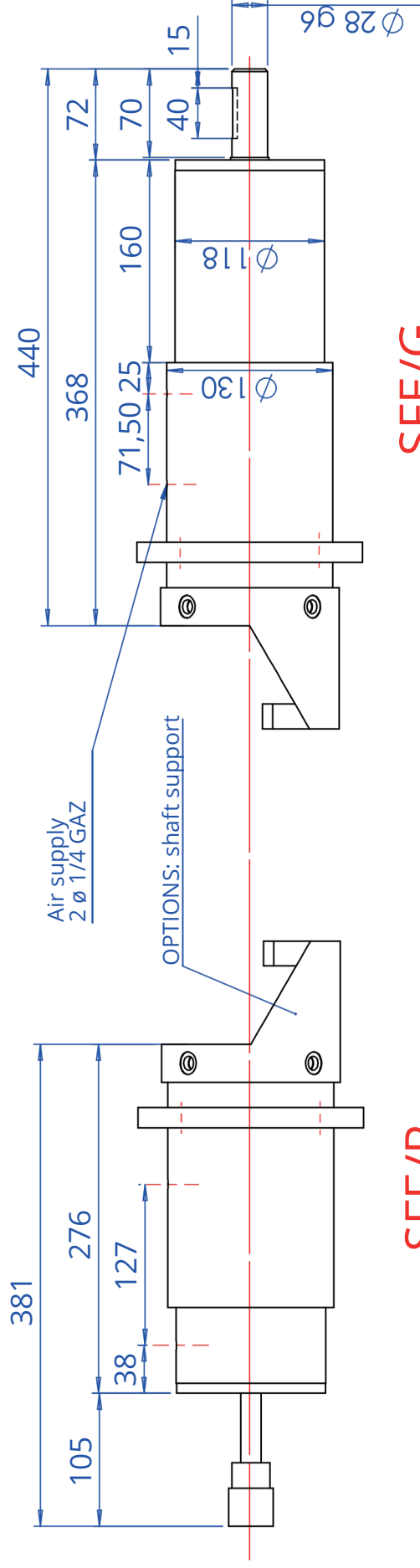


**CHUCK WITHOUT AXIAL SLIDING
SERIE 2000 20/30**

Roll weight : 8000 N

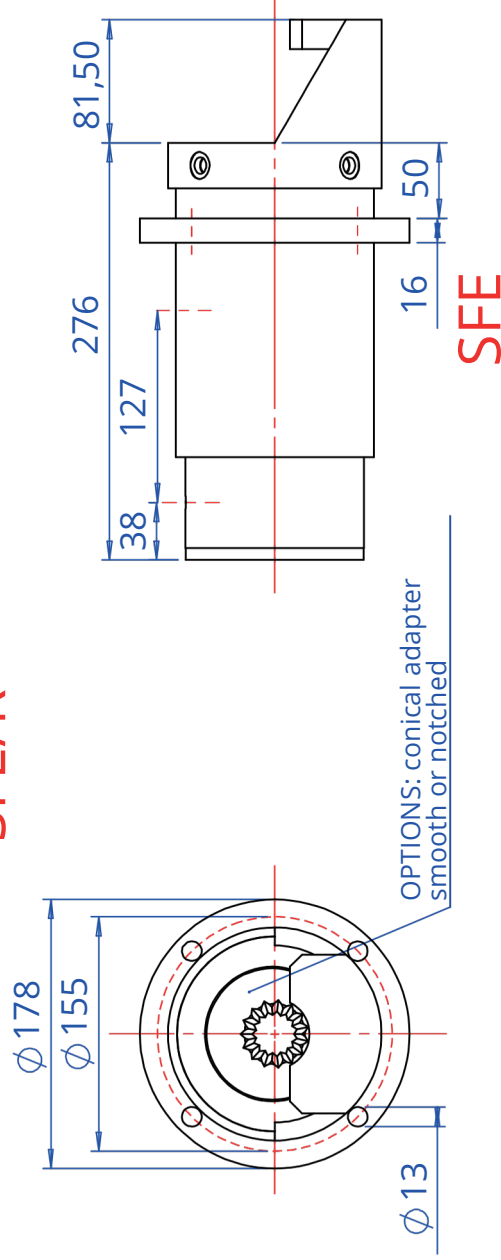
**MBC
Guttin**





SFE/R

SFE/G



SFE

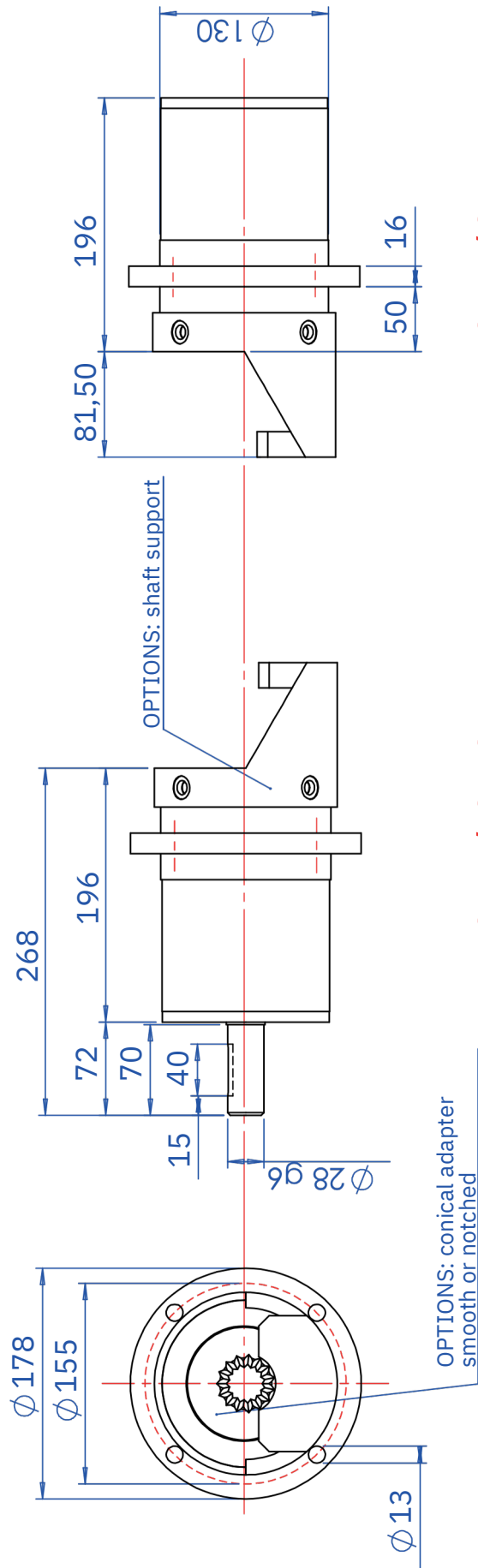


PNEUMATIC SAFETY CHUCK
SERIE 2100 20/30
STROKE 60

Roll weight : 8 000 N
 Available with a stroke 100 mm

MBC
Guttin





SFE/STG

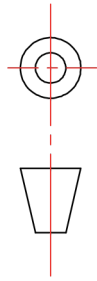
SFE/ST

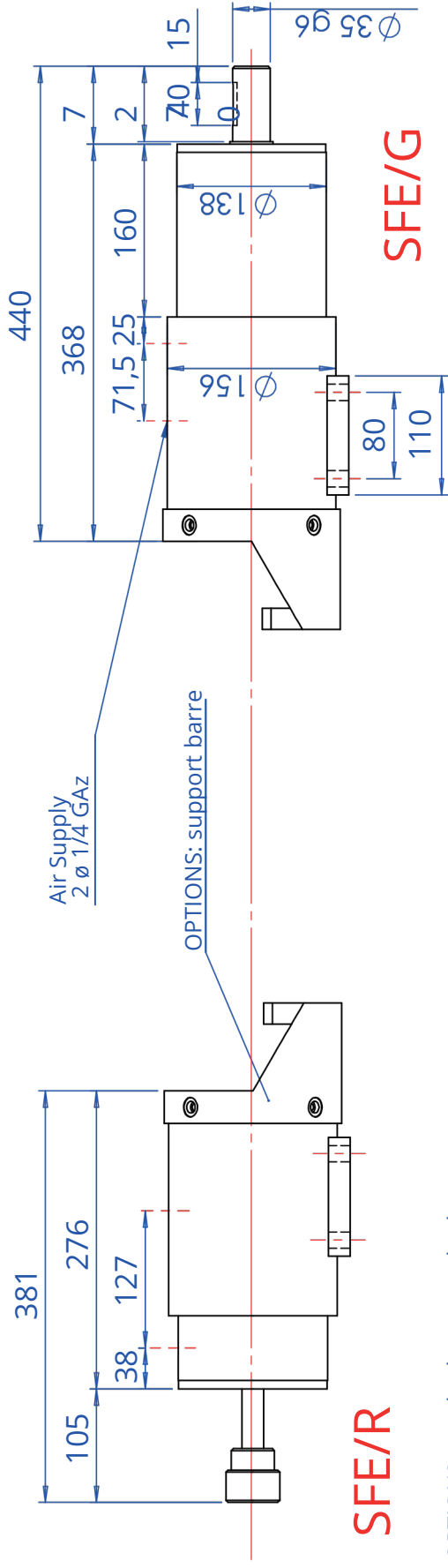


SAFETY CHUCK
Without axial sliding
SERIE 2100 20/30

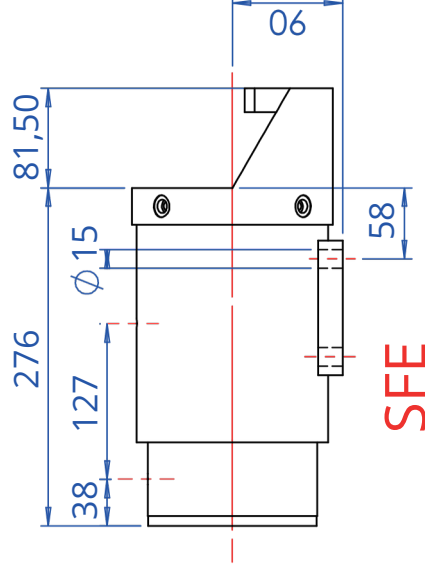
Roll weight : 8000 N

MBC
 Guttin





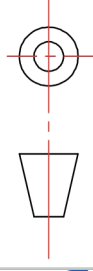
Options: notched or smoothed
conical adapter



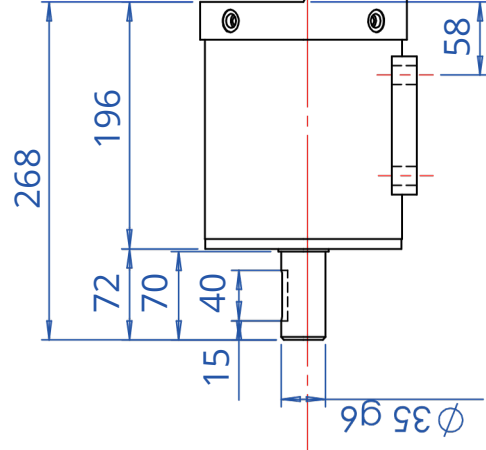
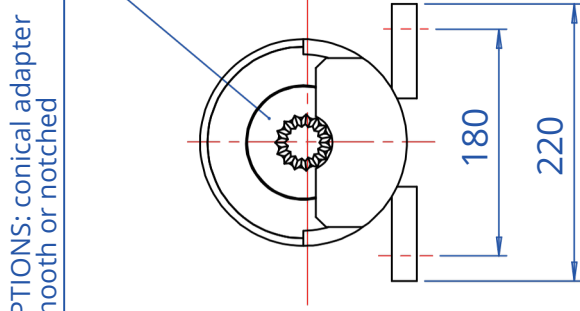
PNEUMATIC CHUCK
SERIE 2000 30/40
STROKE 60mm

Roll Weight : 16000 N
Available with a stroke 100 mm

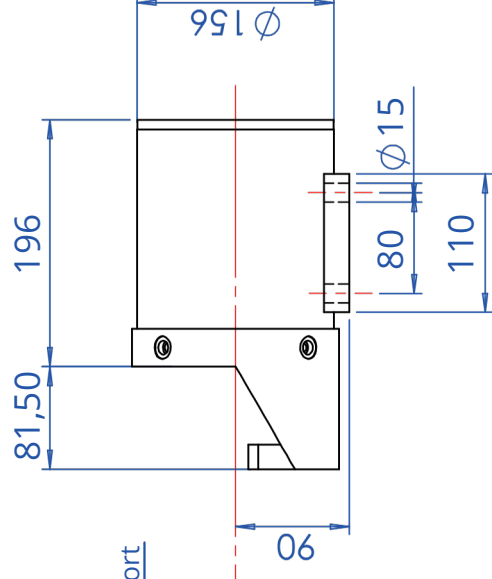
MBC
Guttin



OPTIONS: conical adapter
smooth or notched



OPTIONS: shaft support



SFE/ STG

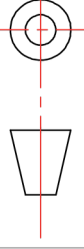
SFE/ST

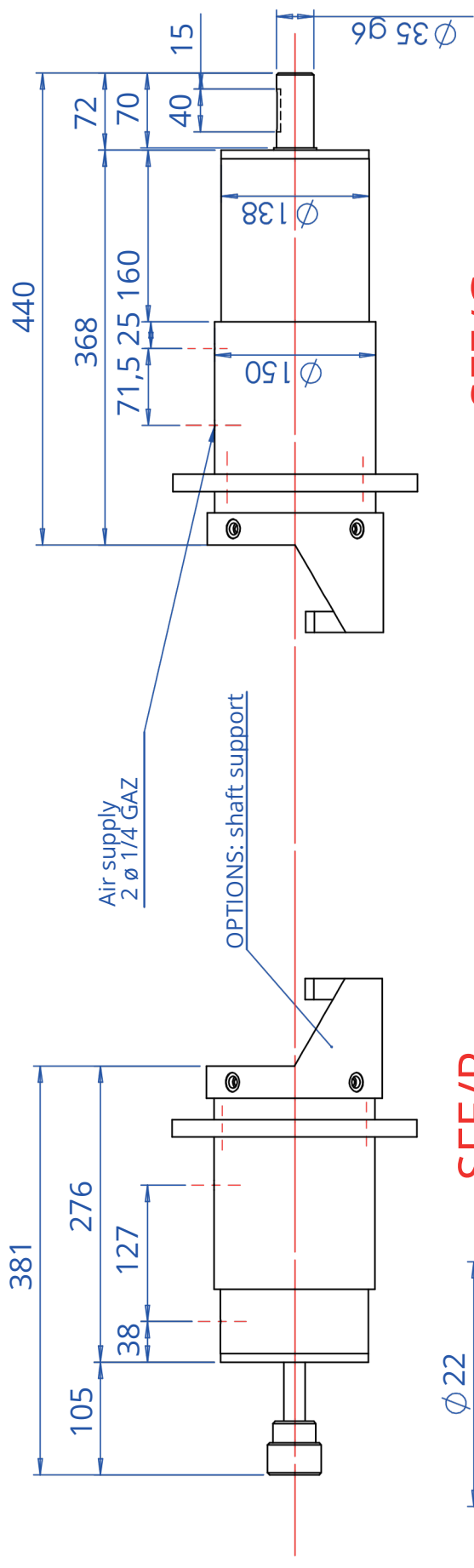


SAFETY CHUCK
Without axial sliding
SERIE 2000 30/40

Roll weight : 16 000N

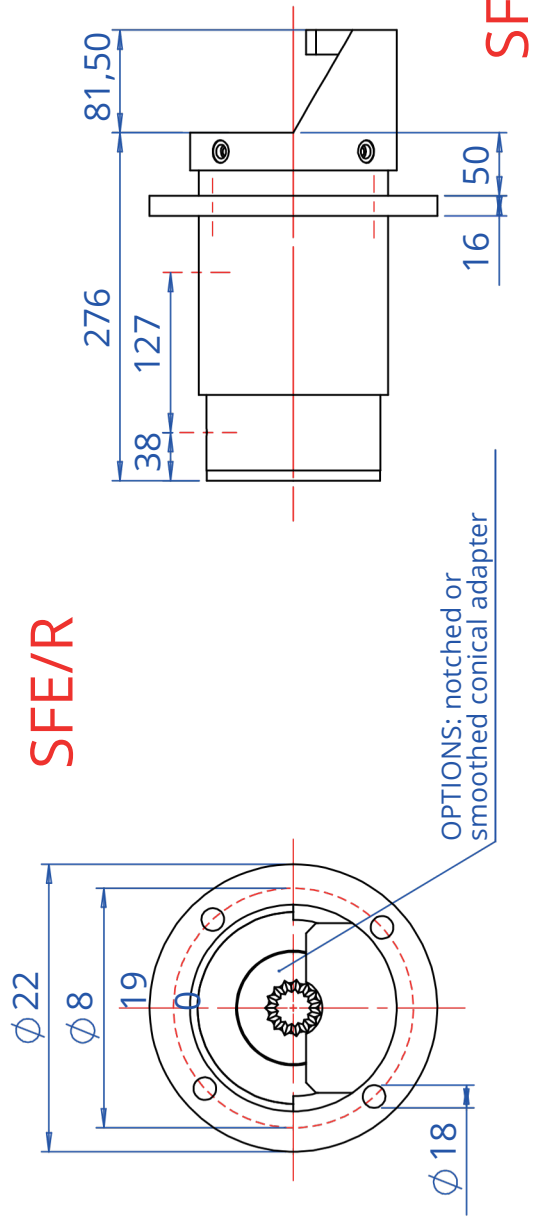
MBC
Gu ttin





SFE/R

SFE/G



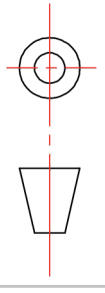
SFE



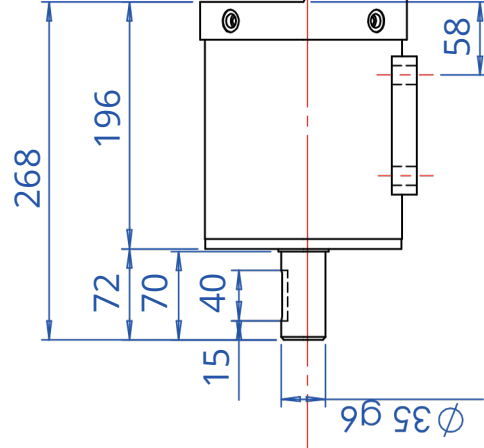
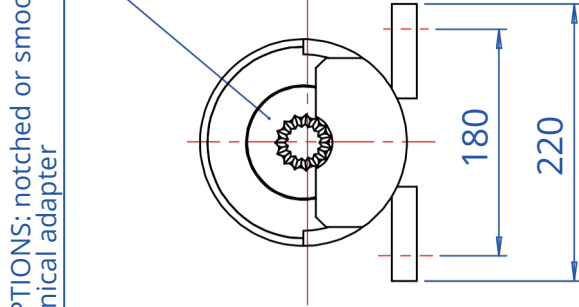
PNEUMATIC SAFETY CHUCK
SERIE 2100 30/40
STROKE 60 mm

Roll weight : 16 000 N
 Available with a stroke 100 mm

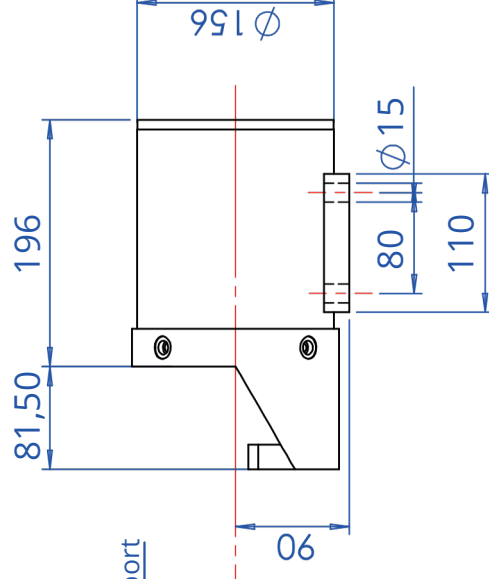
MBC
 Gu ttin



OPTIONS: notched or smooth
conical adapter



OPTIONS : shaft support



SFE/ STG

SFE/ST

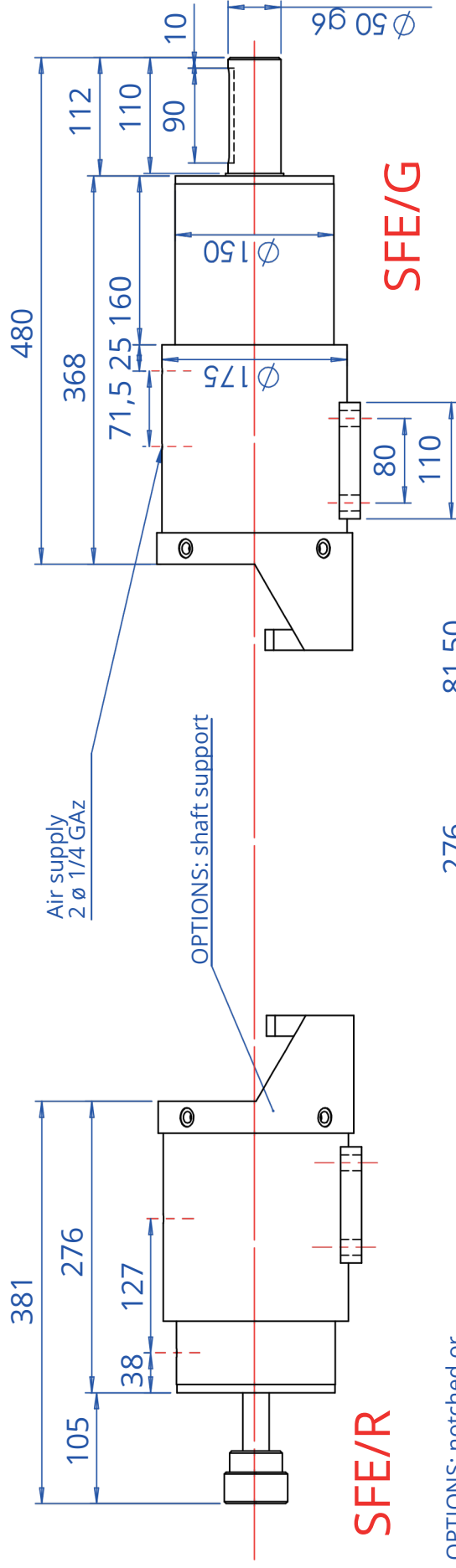


CHUCK WITHOUT AXIAL SLIDING
SERIE 2000 30/40

Roll weight : 16 000N

MBC
Gu t tin



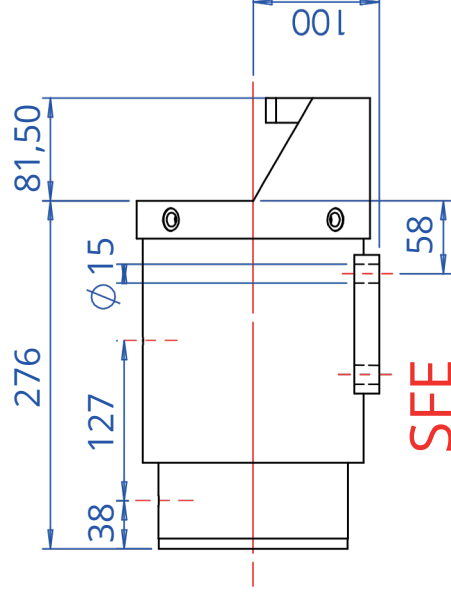
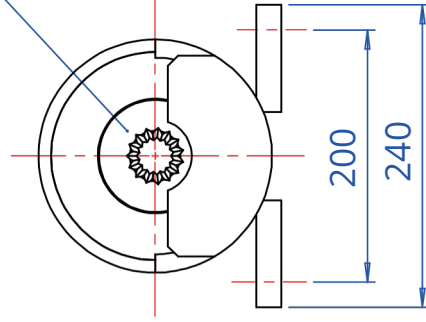


Air supply
2 $\varnothing$ 1/4 GAZ

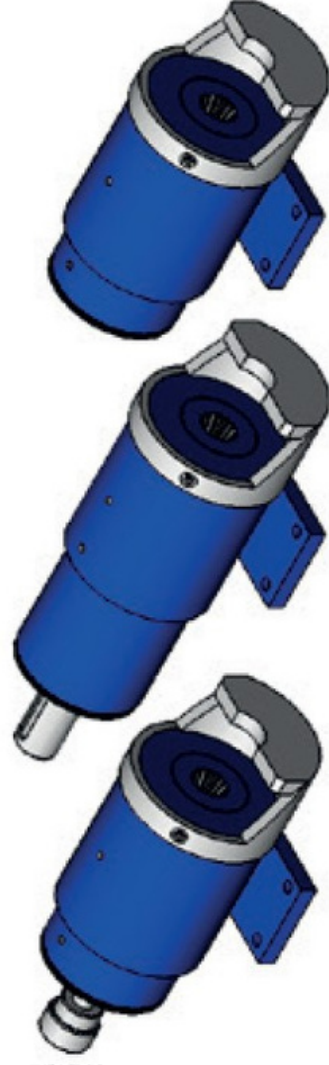
OPTIONS: shaft support

SFE/R

OPTIONS: notched or
smoothed conical adapter



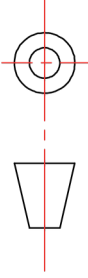
SFE

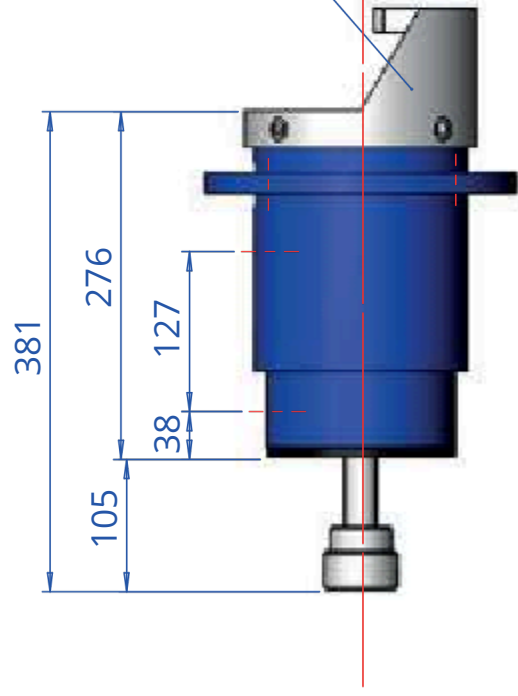


PNEUMATIC CHUCK
SERIE 2000 40/50
STROKE 60 mm

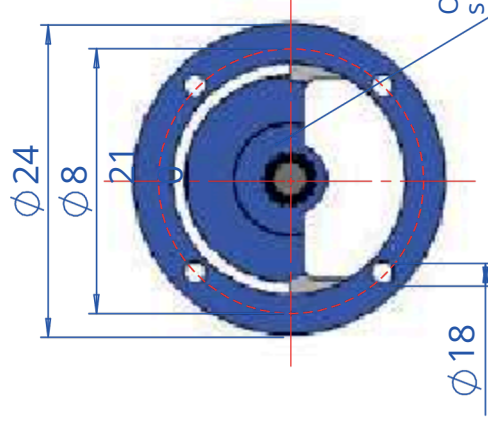
Roll weight : 28 500 N
Available with a stroke 100 mm

MBC
Guttin

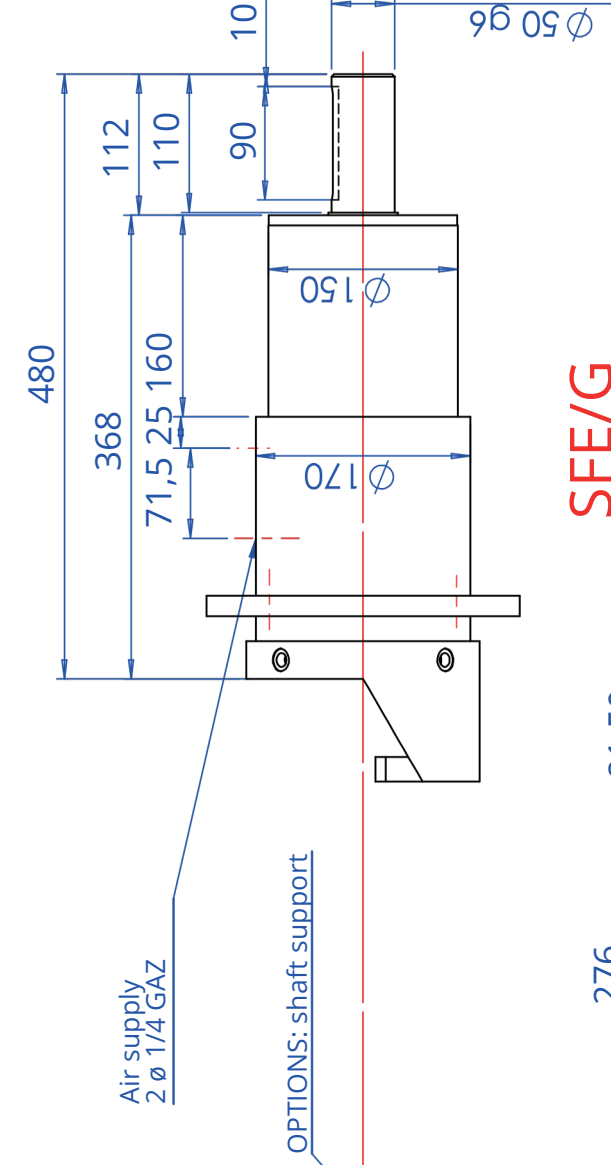




SFE/R



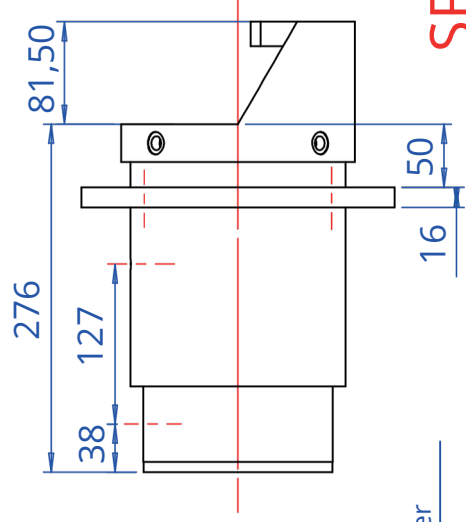
OPTIONS: notched or
smoothed conical adapter



Air supply
2 Ø 1/4 GAZ

OPTIONS: shaft support

SFE/G



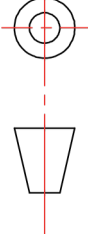
SFE

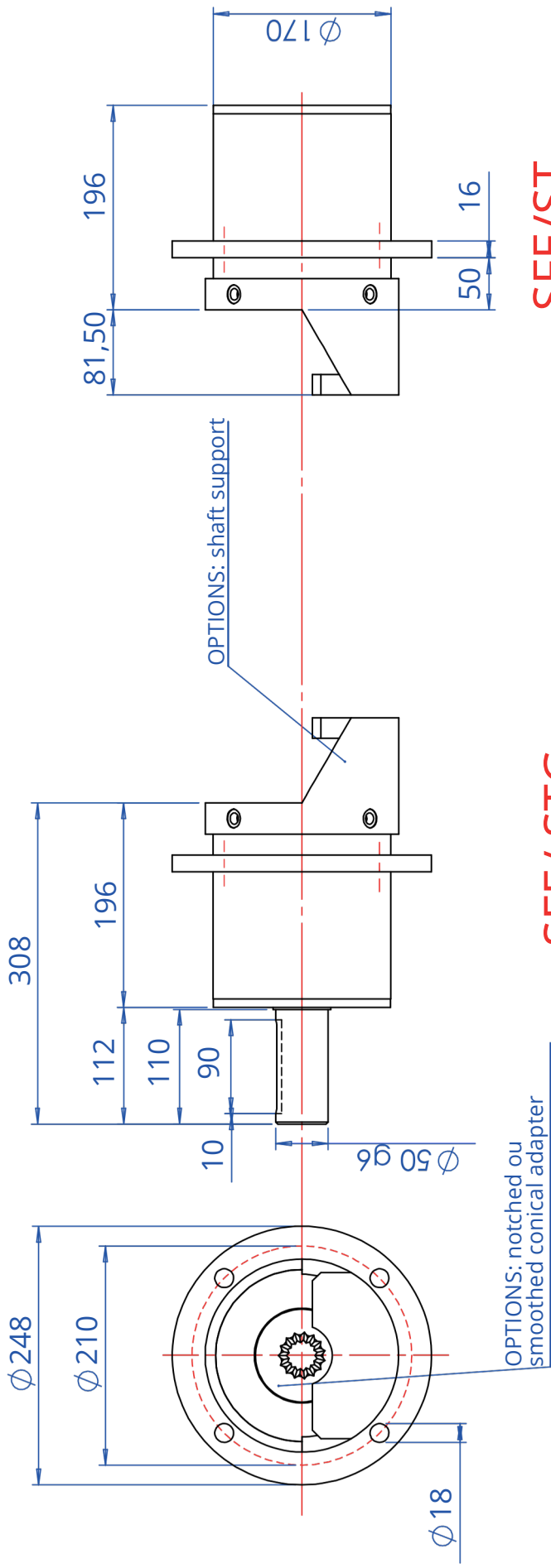


PNEUMATIC CHUCK
SERIE 2100 40/50
STROKE 60 mm

Roll Weight : 28 500 N
Available with a stroke 100 mm

MBC
Guttin





SFE/ STG

SFE/ST

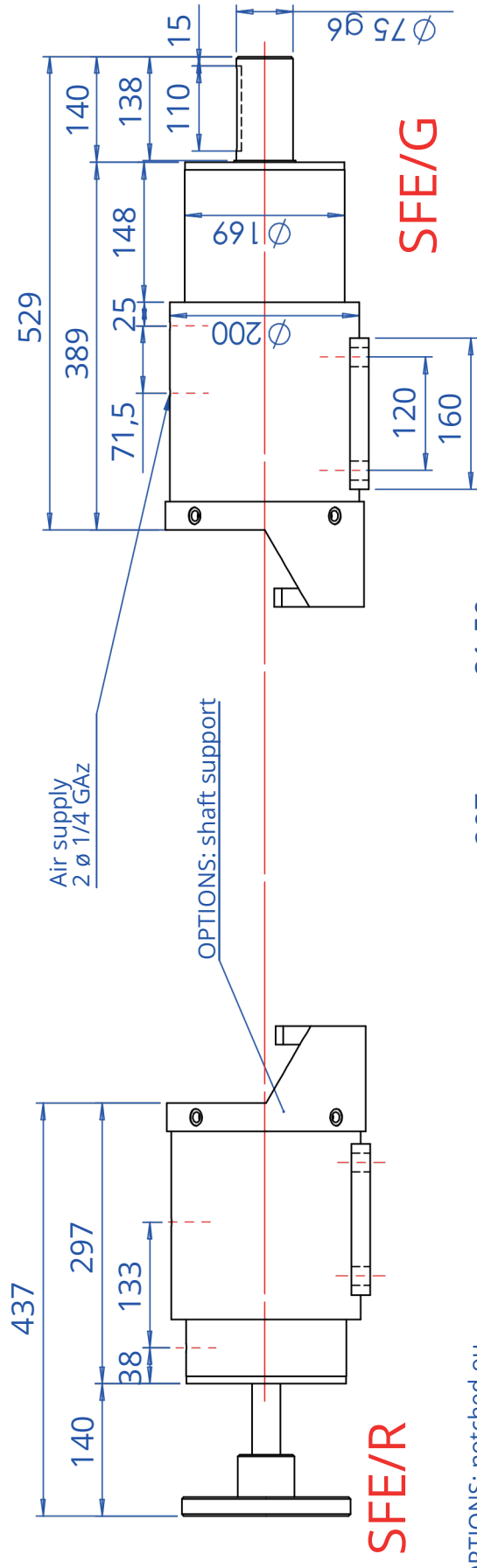


MBC
Guttin

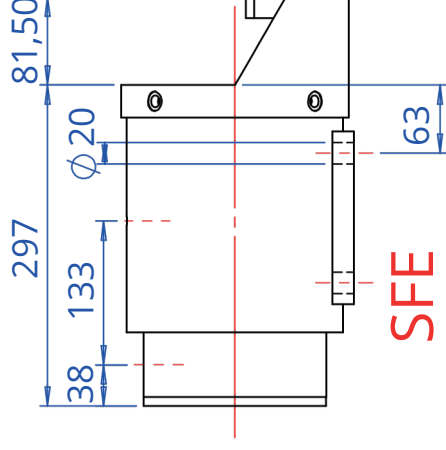
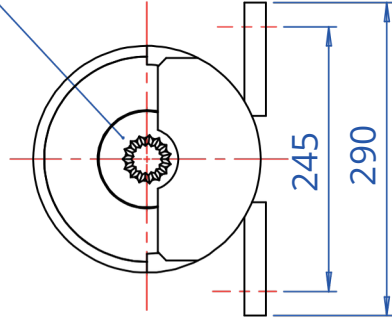
CHUCK WITHOUT AXIAL SLIDING
SERIE 2100 40/50

Roll weight : 28 500 N

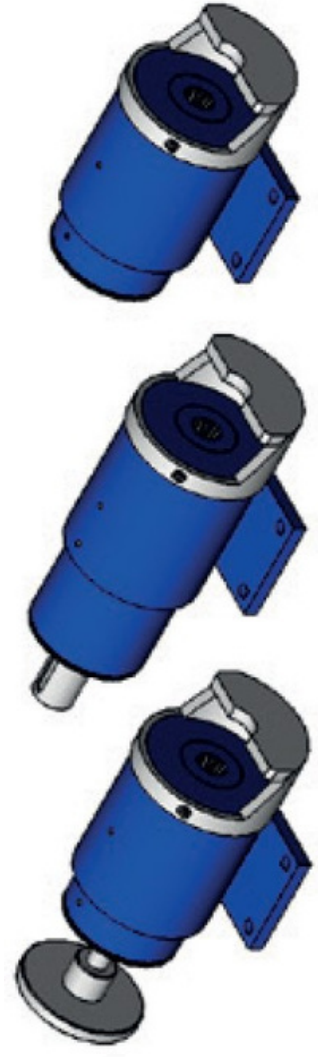




OPTIONS: notched ou
smoothed conical adapter



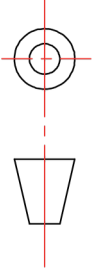
SFE/G



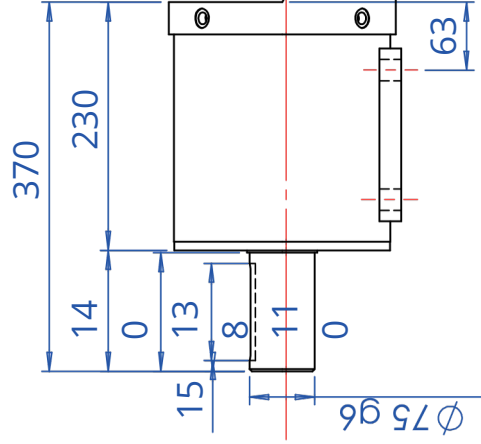
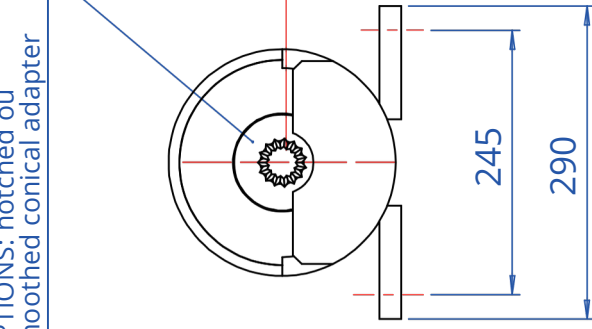
PNEUMATIC CHUCK
SERIE 2000 50/80
STROKE 60 mm

Roll weight : 72 000 N
Available with a stroke 100 mm

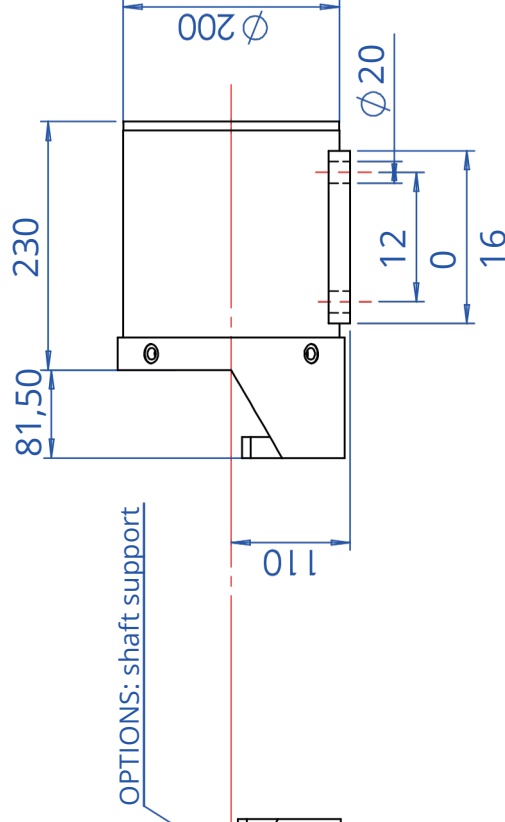
MBC
Guttin



OPTIONS: notched ou
smoothed conical adapter



SFE/ STG



SFE/ST

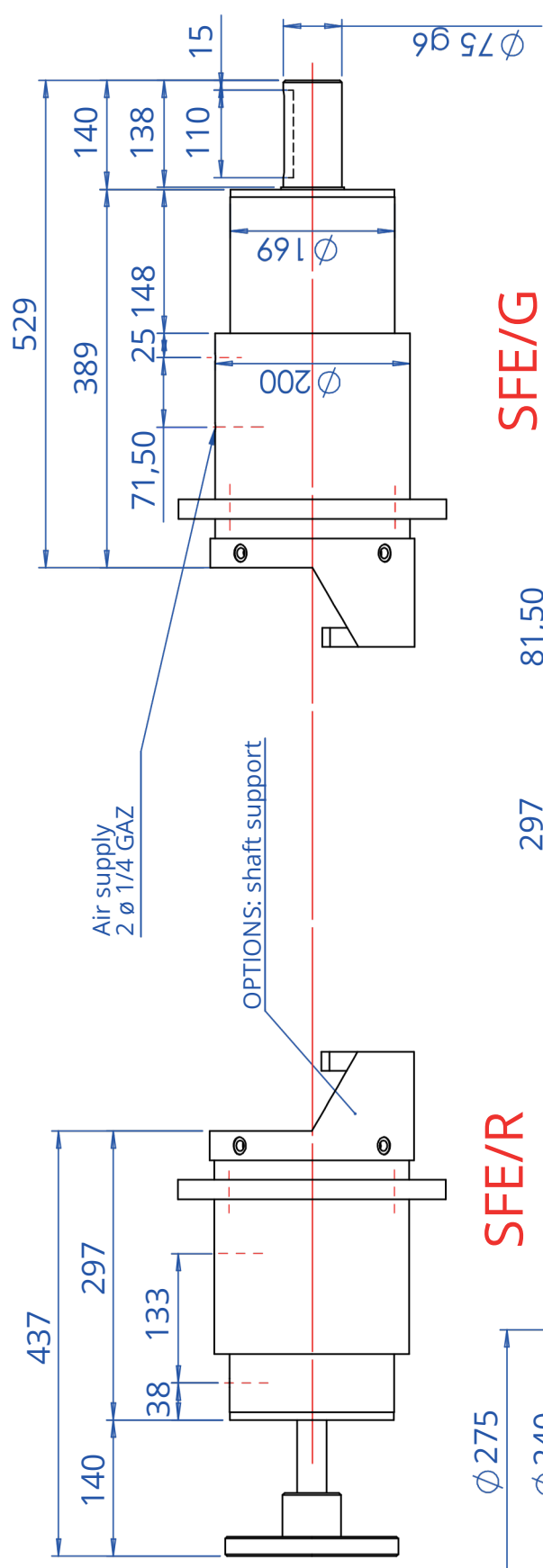


MBC
Guttin

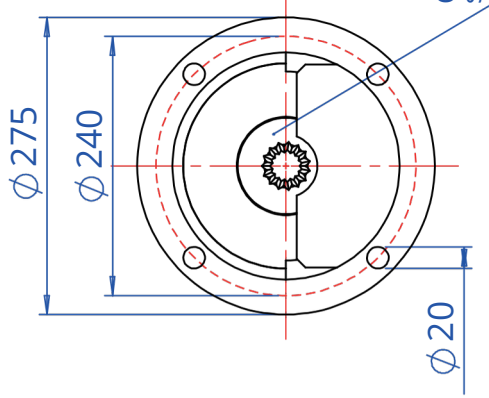
CHUCK WITHOUT AXIAL SLIDING
SERIE 2000 50/80

Roll weight : 72000 N

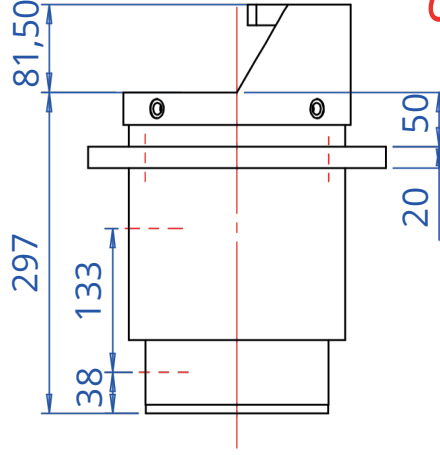




SFE/R



OPTIONS: notched ou
smoothed conical adapter



SFE

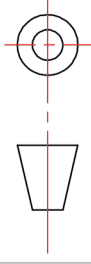
SFE/G

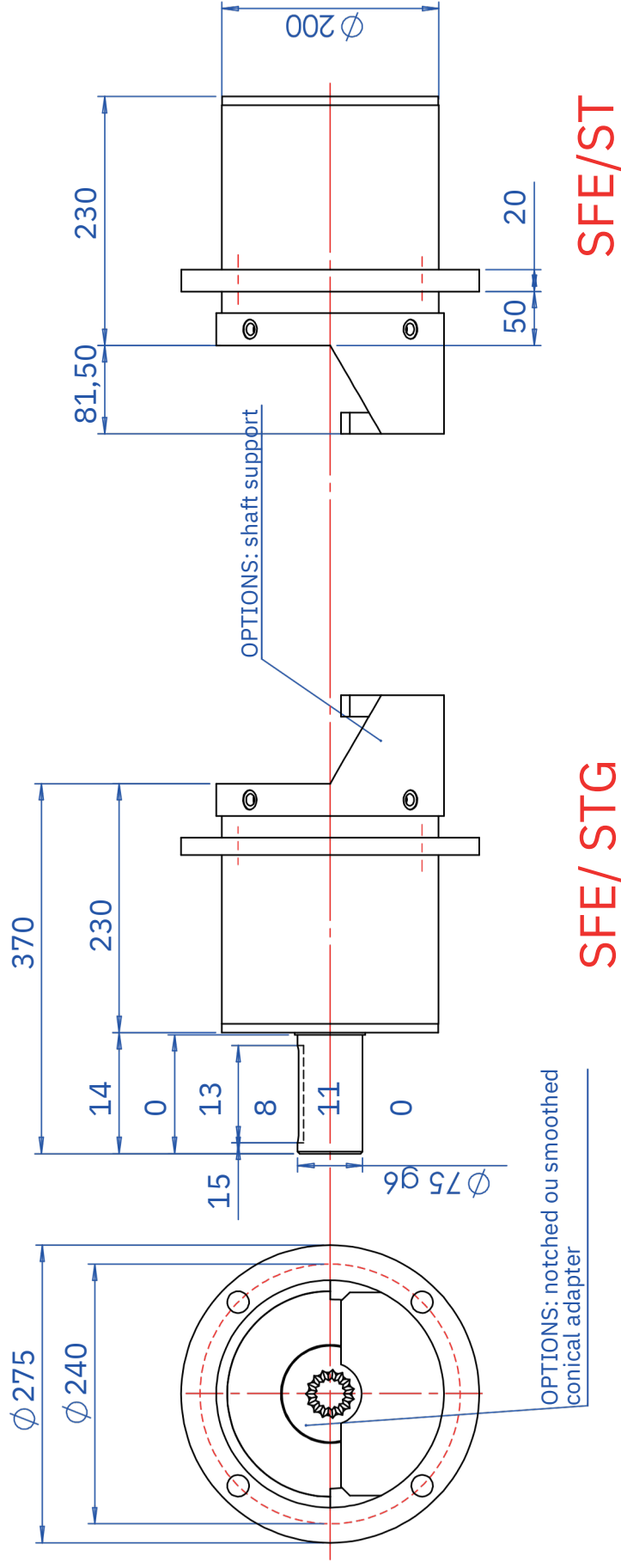


PNEUMATIC CHUCK
SERIE 2100 50/80
STROKE 60 mm

Roll weight : 72 000 N
Available with a stroke 100 mm

MBC
Guttin

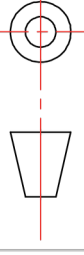




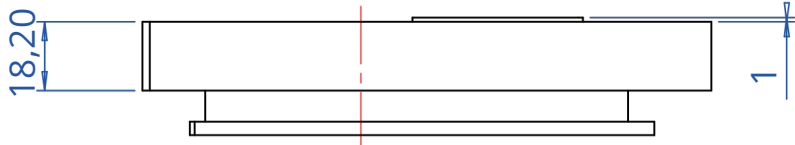
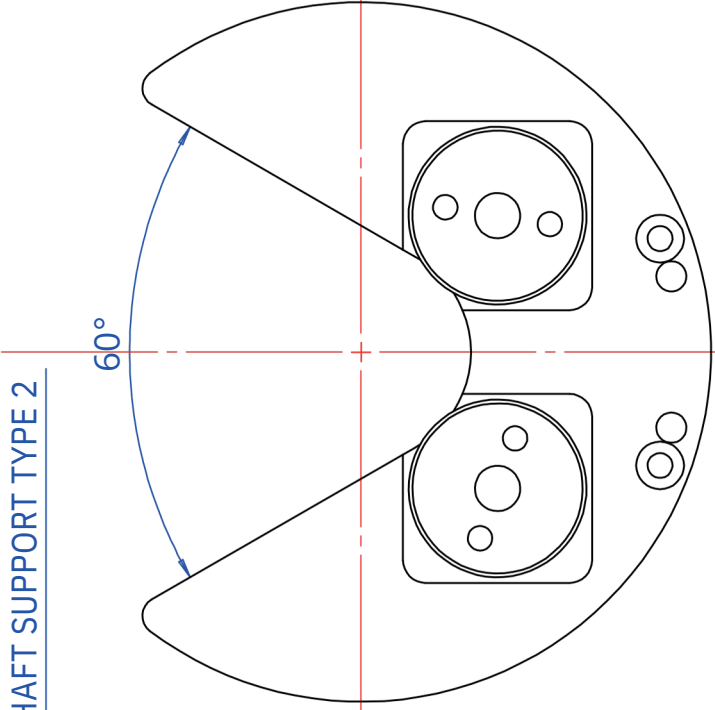
**CHUCK WITHOUT
AXIAL SLIDING
SERIE 2100 50/80**

Roll weight : 72 000 N

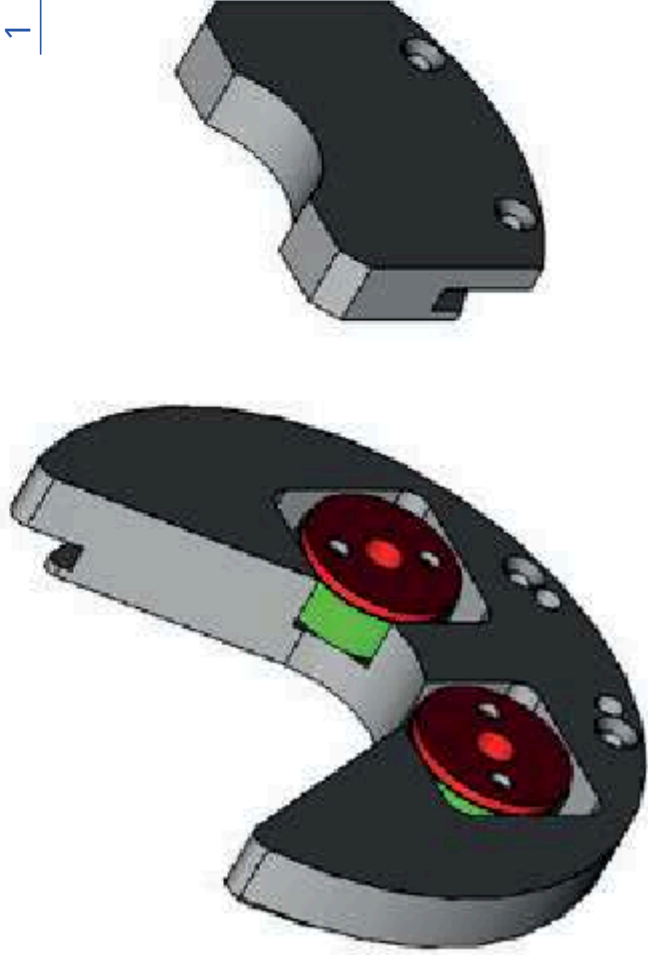
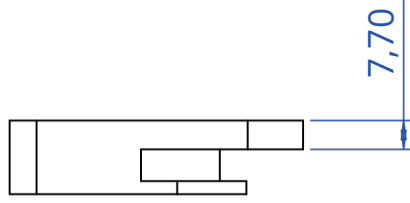
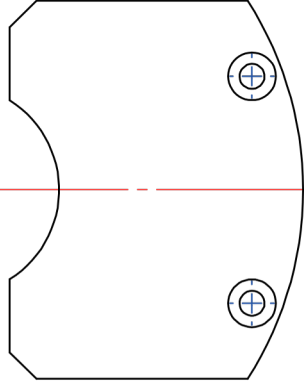
**MBC
Gu t tin**



SHAFT SUPPORT TYPE 2



SHAFT SUPPORT TYPE 2



SET:
TITLE :

SHAFT SUPPORT TYPE 1 & 2 40/50

Material:

Tolérances générales: ISO 2768 mK
Etat de surface général: 1.6

Nb:

Scale:

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GUTTIN Fabrice
Date: 14/12/15



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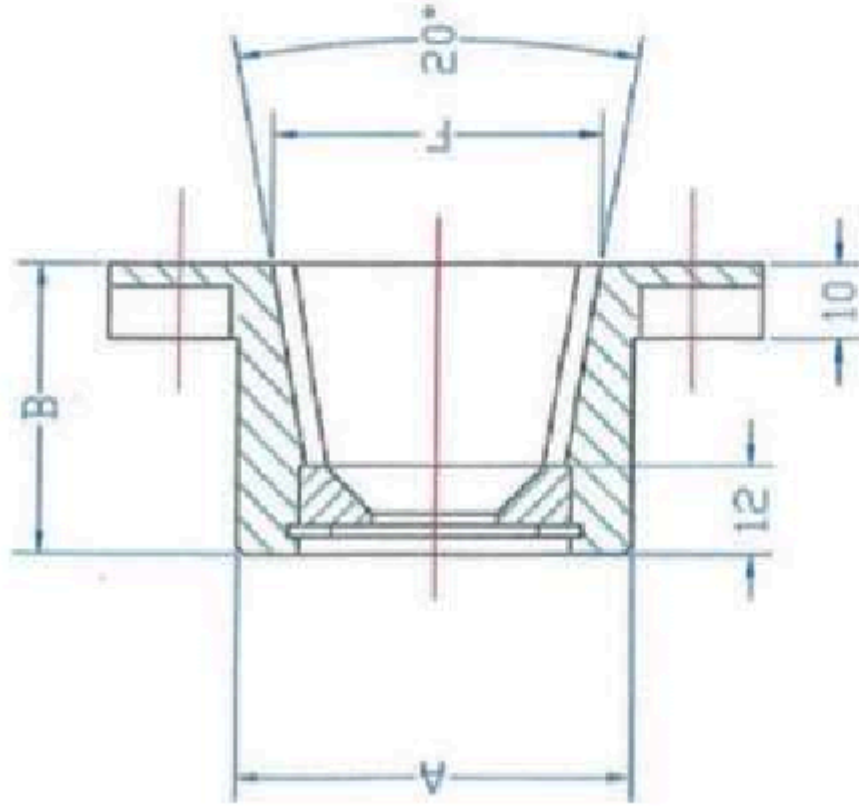
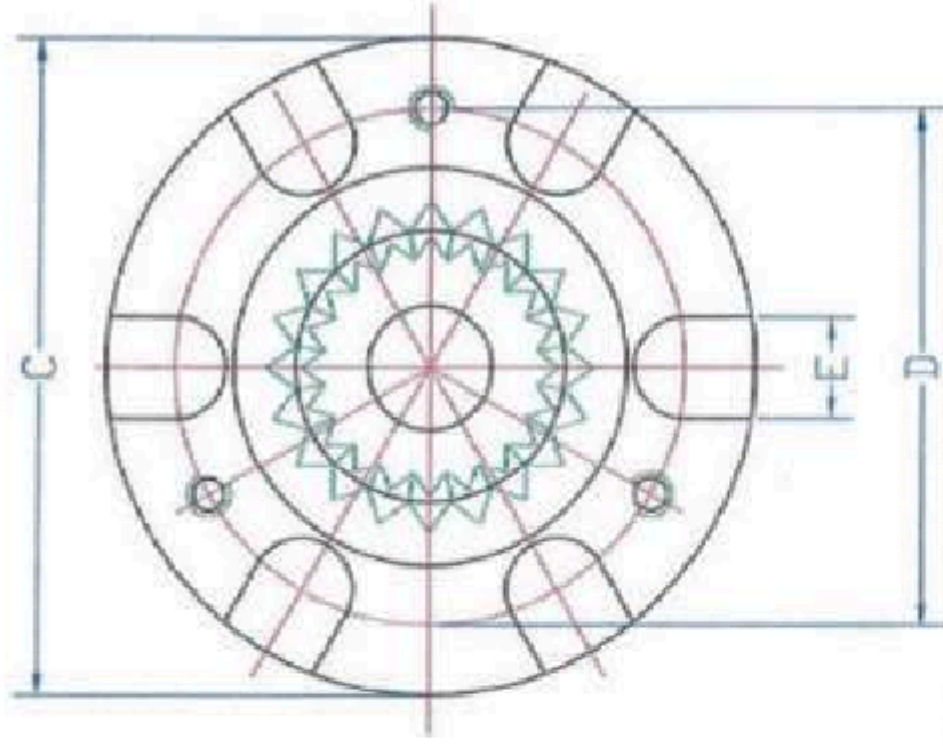


Client :

Langue: Fr

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Adapters

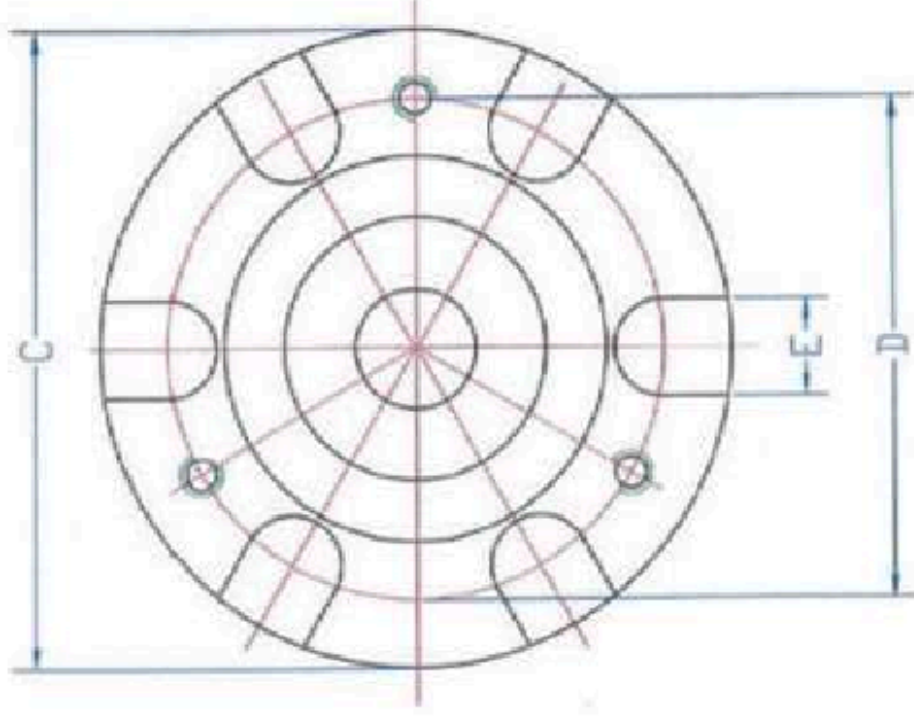
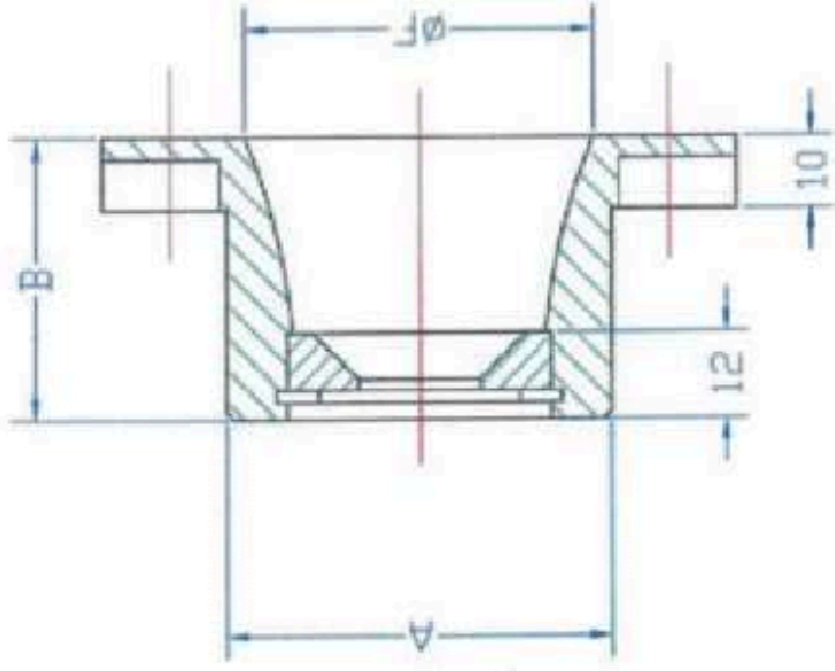


SAFETY CHUCK	20/30	30/40	40/50	50/80
MARK A	Ø 54	Ø 54	Ø 62	Ø 62
MARK B	39	39	39	39
MARK C	Ø 77	Ø 89	Ø 89	Ø 89
MARK D	Ø 65	Ø 70	Ø 76	Ø 80
MARK E	11	14	14	14
MARK F	Ø 45	Ø 45	Ø 55	Ø 55
TEETH Nb	20 TEETH	20 TEETH	24 TEETH	24 TEETH

CHUCK SERIE 2000/2100
TYPE 20/30-30/40-40/50-50/80
CONICAL ADAPTER
NOTCHED FEMALE

MBC
Guttin





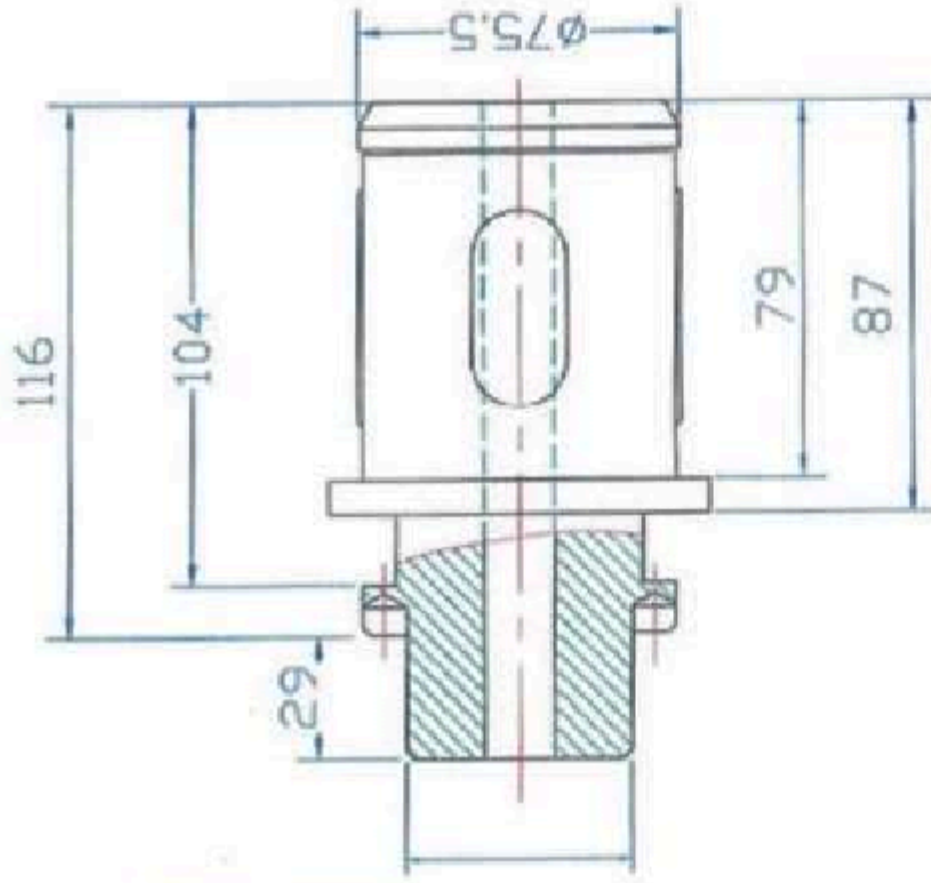
SAFETY CHUCK	20/30	30/40	40/50	50/80
MARK A	$\varnothing 54$	$\varnothing 54$	$\varnothing 62$	$\varnothing 62$
MARK B	39	39	39	39
MARK C	$\varnothing 77$	$\varnothing 89$	$\varnothing 89$	$\varnothing 89$
MARK D	$\varnothing 65$	$\varnothing 70$	$\varnothing 76$	$\varnothing 80$
MARK E	11	14	14	14
MARK F	$\varnothing 49$	$\varnothing 49$	$\varnothing 59$	$\varnothing 59$

CHUCK SERIE 2000/2100
TYPE 20/30-30/40-40/50-50/80
CONICAL ADAPTER
SMOOTH FEMALE

MBC
Guttin

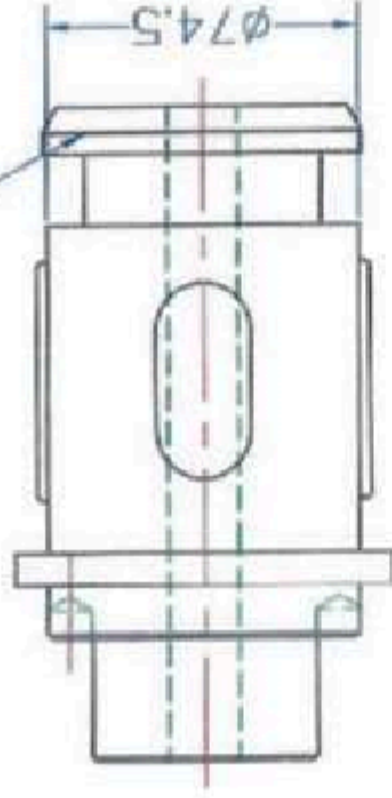


Ø 62 CHUCK 40/50 – 50/80
Ø 54 CHUCK 20/30 – 30/40



REST POSITION

CENTERING



WORK POSITION

CHUCK SERIE 2000/2100

TYPE 20/30-30/40-40/50-50/80

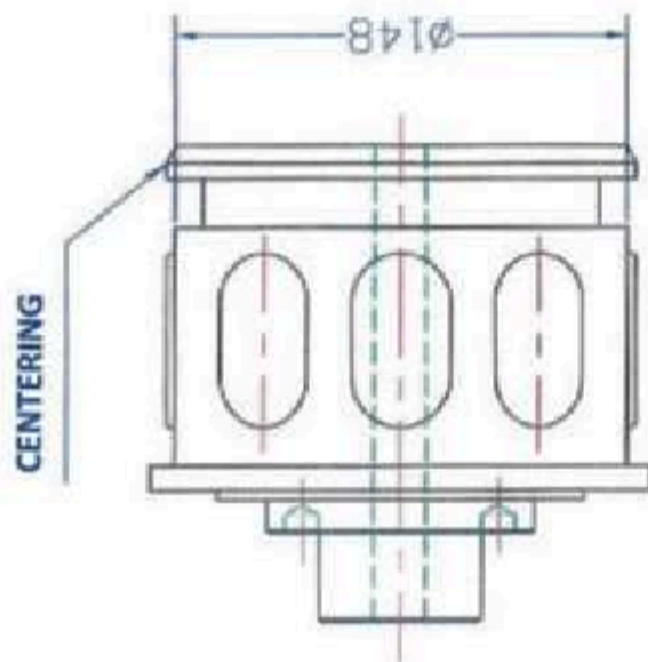
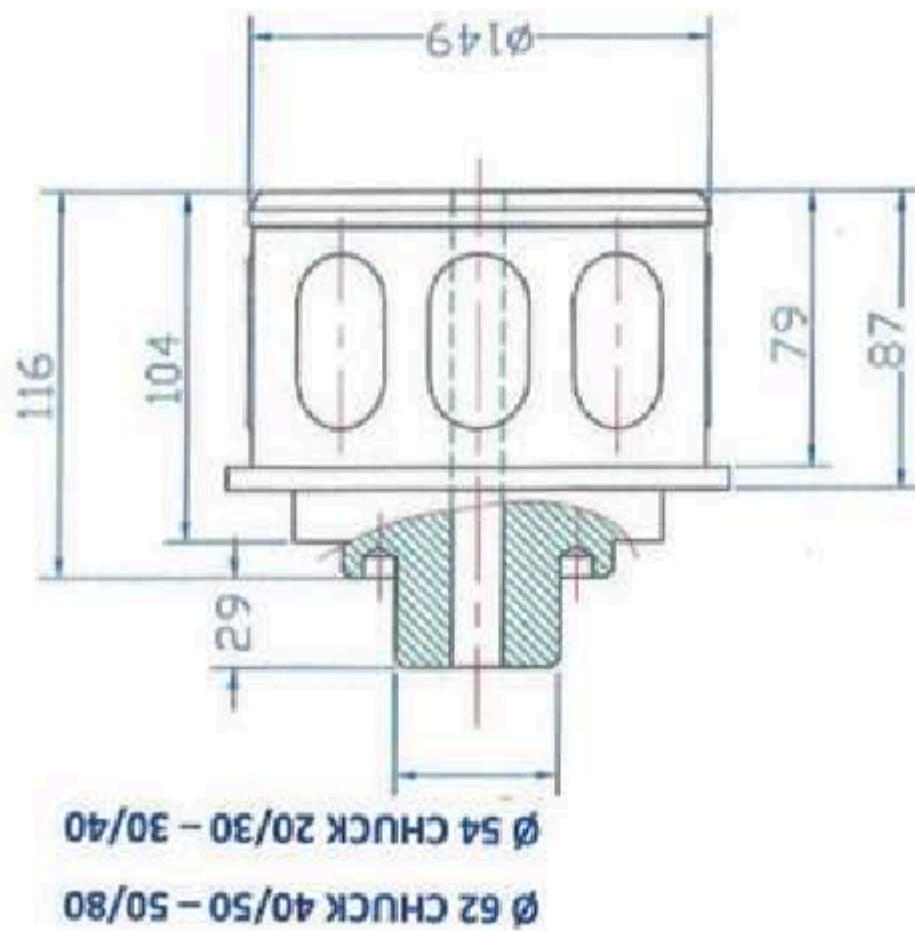
MECHANICAL HEAD WITH

AXIAL PUSH AND CENTERING PART

MBC
Guttin



Ø MINI MECHANICAL HEAD = Ø 68.5



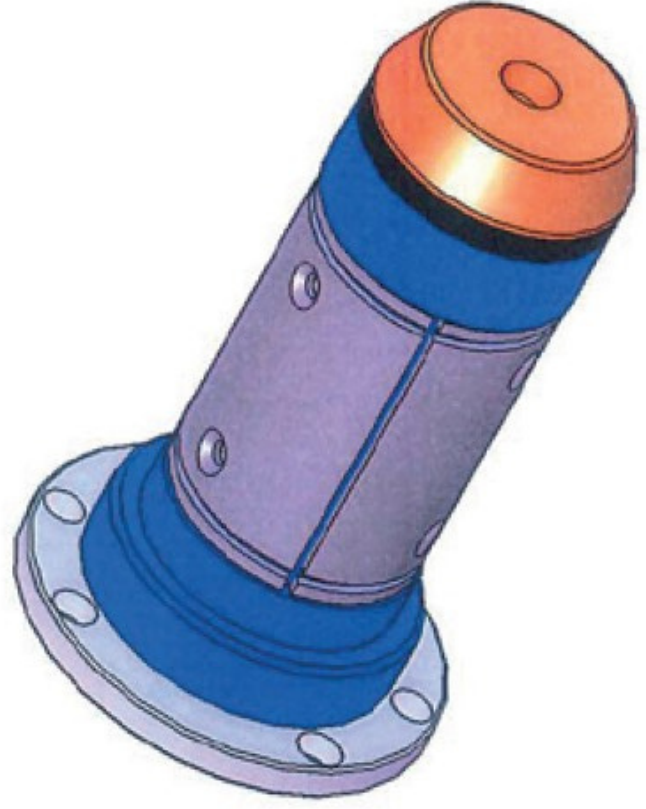
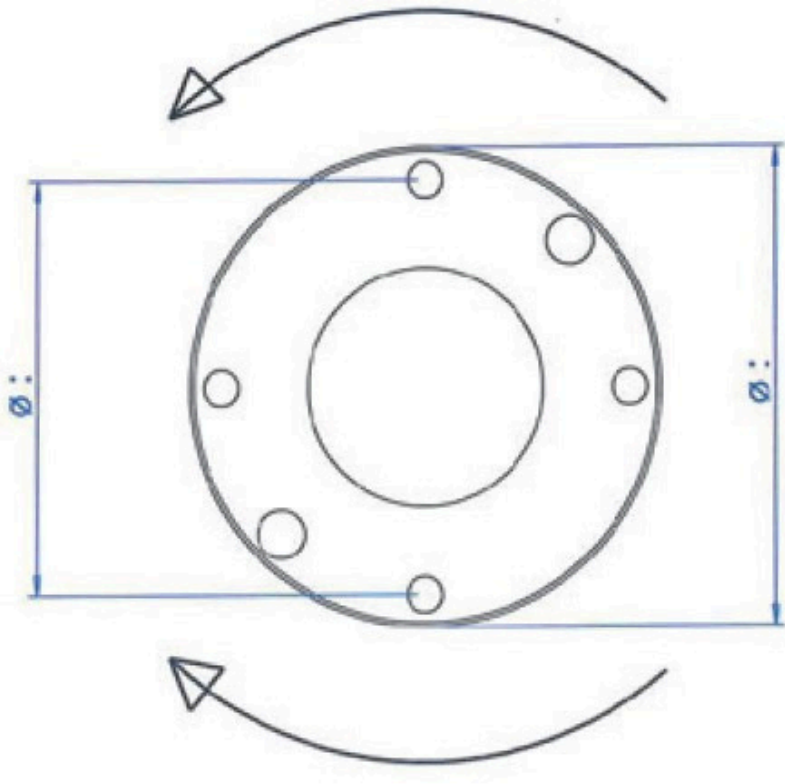
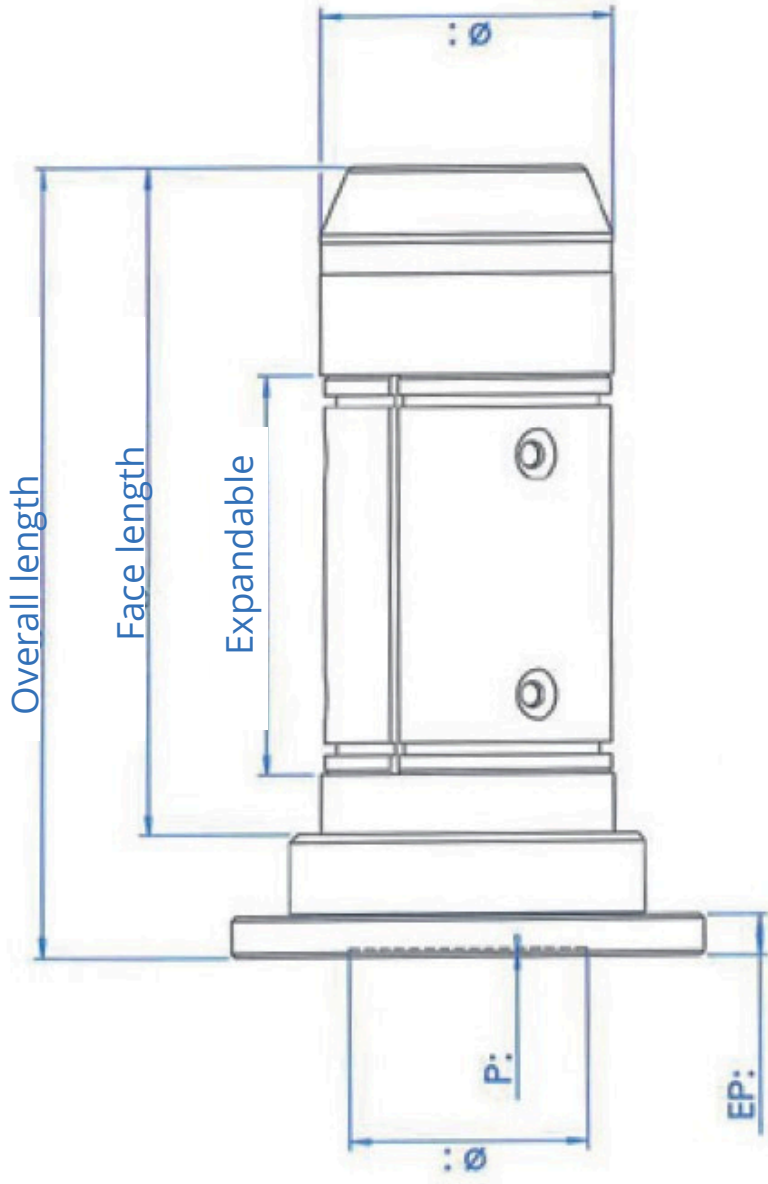
WORK POSITION

REST POSITION

CHUCK SERIE 2000/2100
 TYPE 20/30-30/40-40/50-50/80
 MECHANICAL HEAD WITH
 AXIAL PUSH AND CENTERING PART

MBC
Guttin



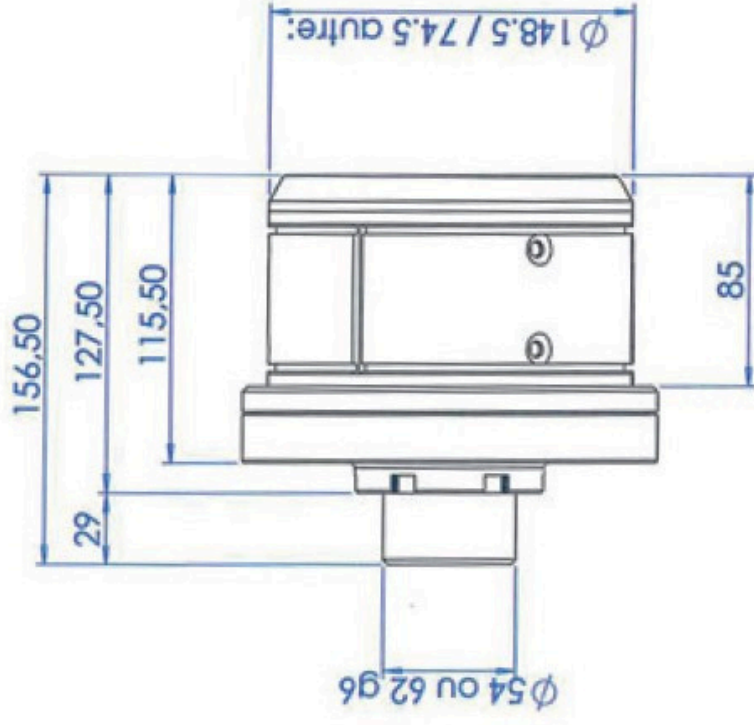
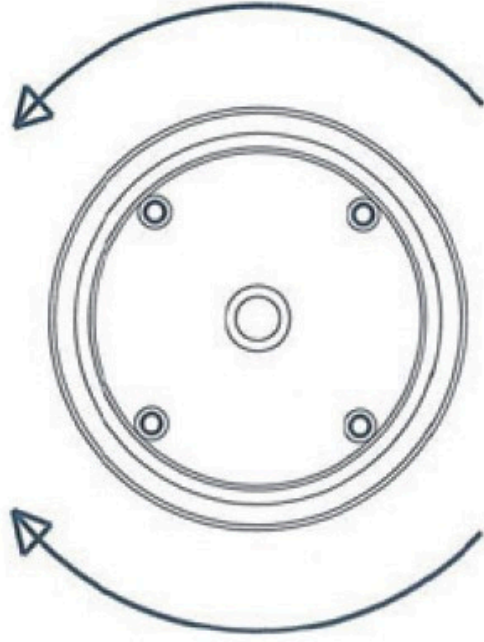


MBC
Gutting



TORQUE-TRANSMITTING HEAD
Winding and unwinding in
both directions

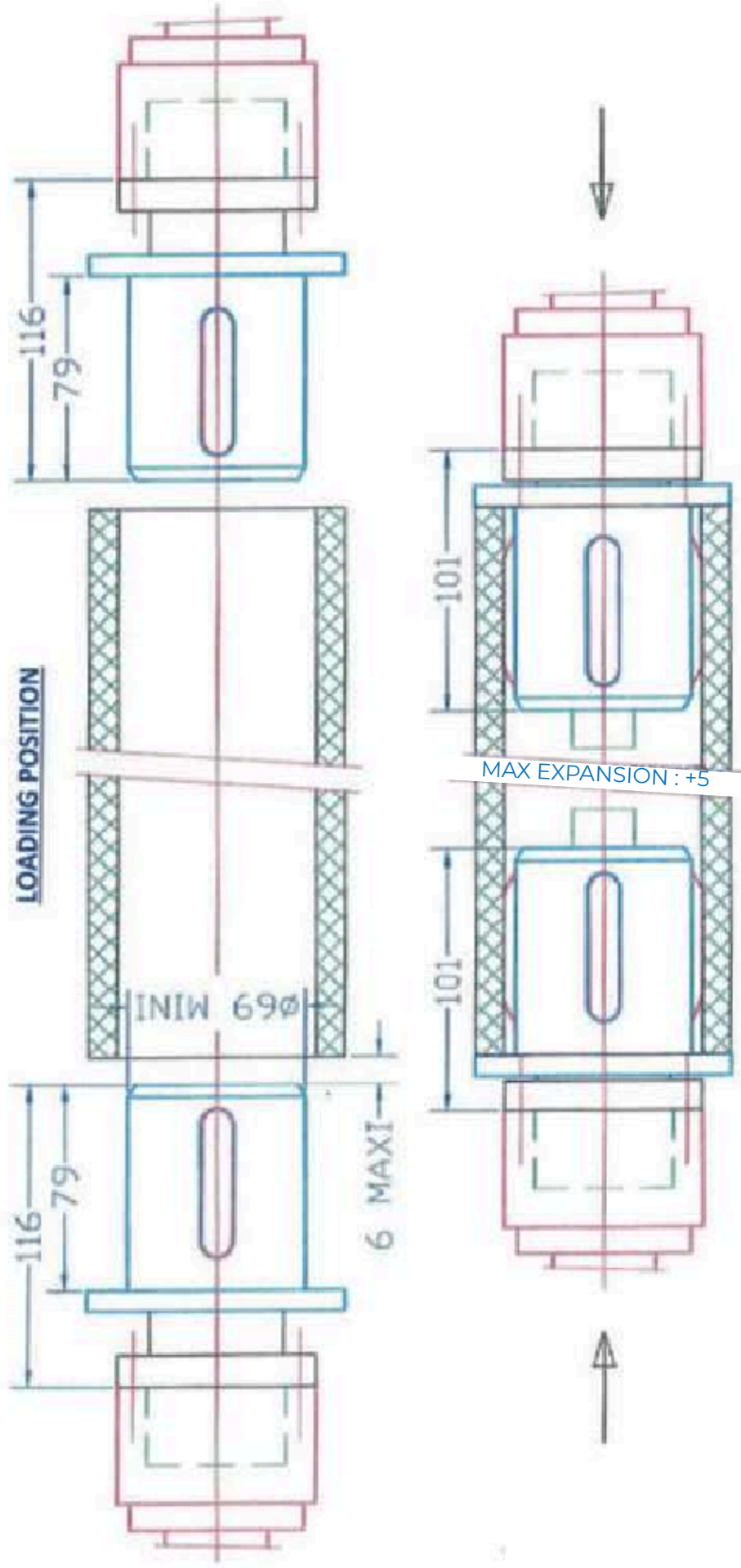
Winding direction



SAFETY CHUCK SERIE 2000 / 2100
Torque-transmitting head

MBC
Guttin





WITH SAFETY CHUCKS STROKE 100

SAFETY CHUCK SERIE 2000 / 2100
TYPE 20/30 - 30/40 - 40/50 - 50/80
MECHANICAL HEAD
EXPANSION BY AXIAL PUSH

MBC
Guttin

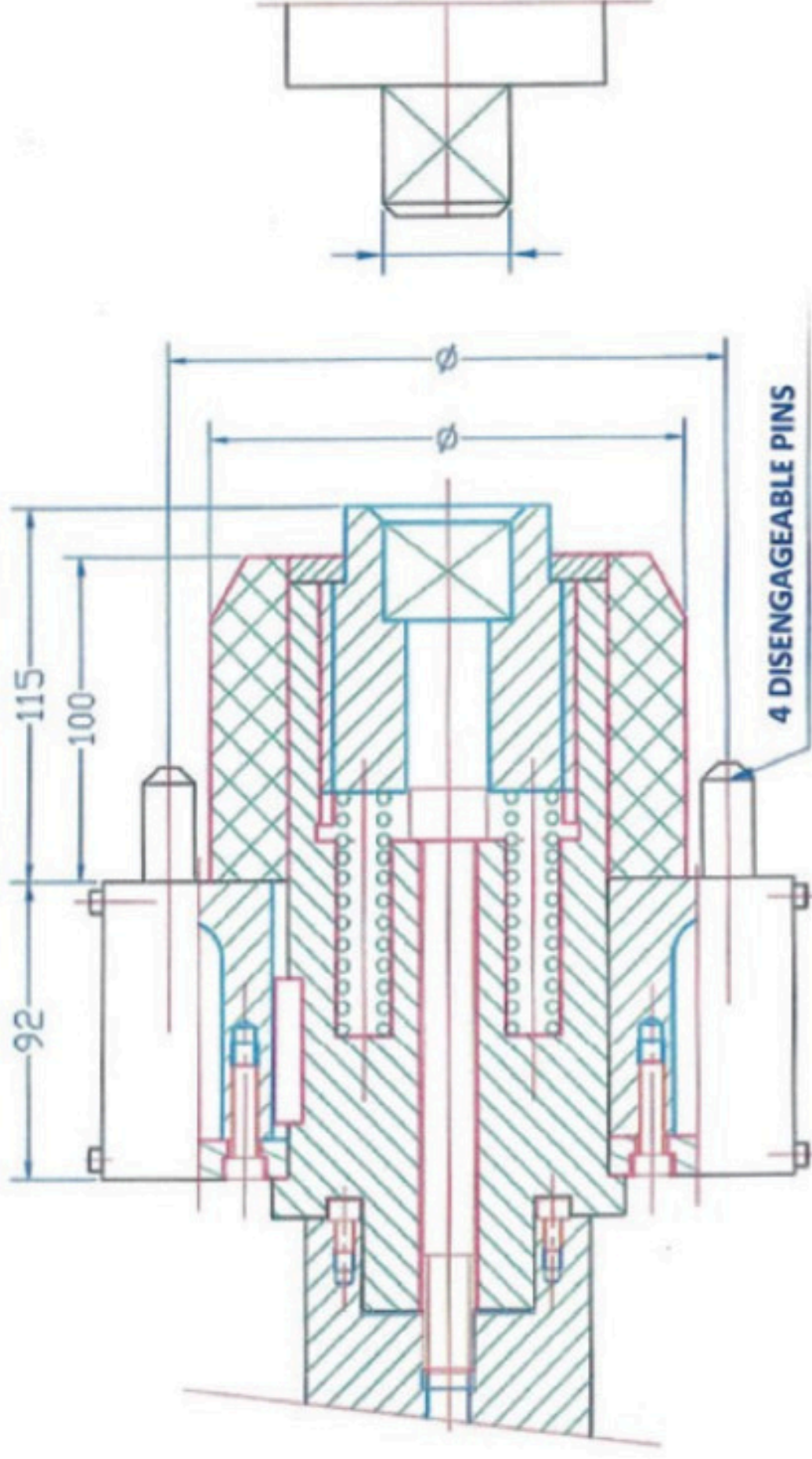


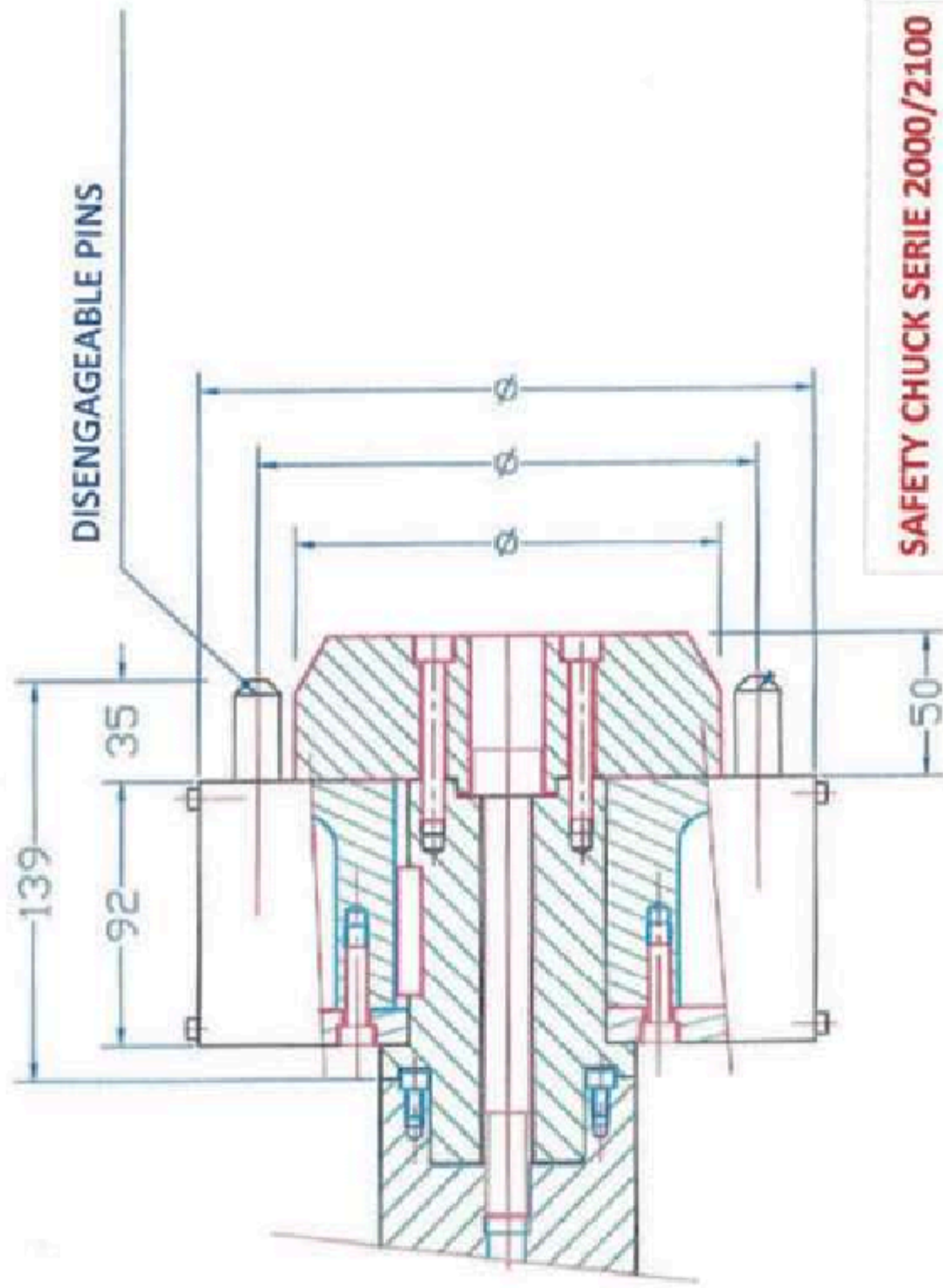
TELESCOPIC AXIAL CONNECTING FOR ALL GEOMETRIES
(EXPANSIBLE SHAFTS)
DISENGAGEABLE PINS FOR DIRECT DRIVE
CENTRING BY CORE REAMING

SAFETY CHUCK SERIE 2000/2100

TYPE 20/30-30/40-40/50-50/80
MIXED DRIVING HEAD WITH PINS
FOR HIGH TORQUES

MBC
Guttin





SAFETY CHUCK SERIES 2000/2100

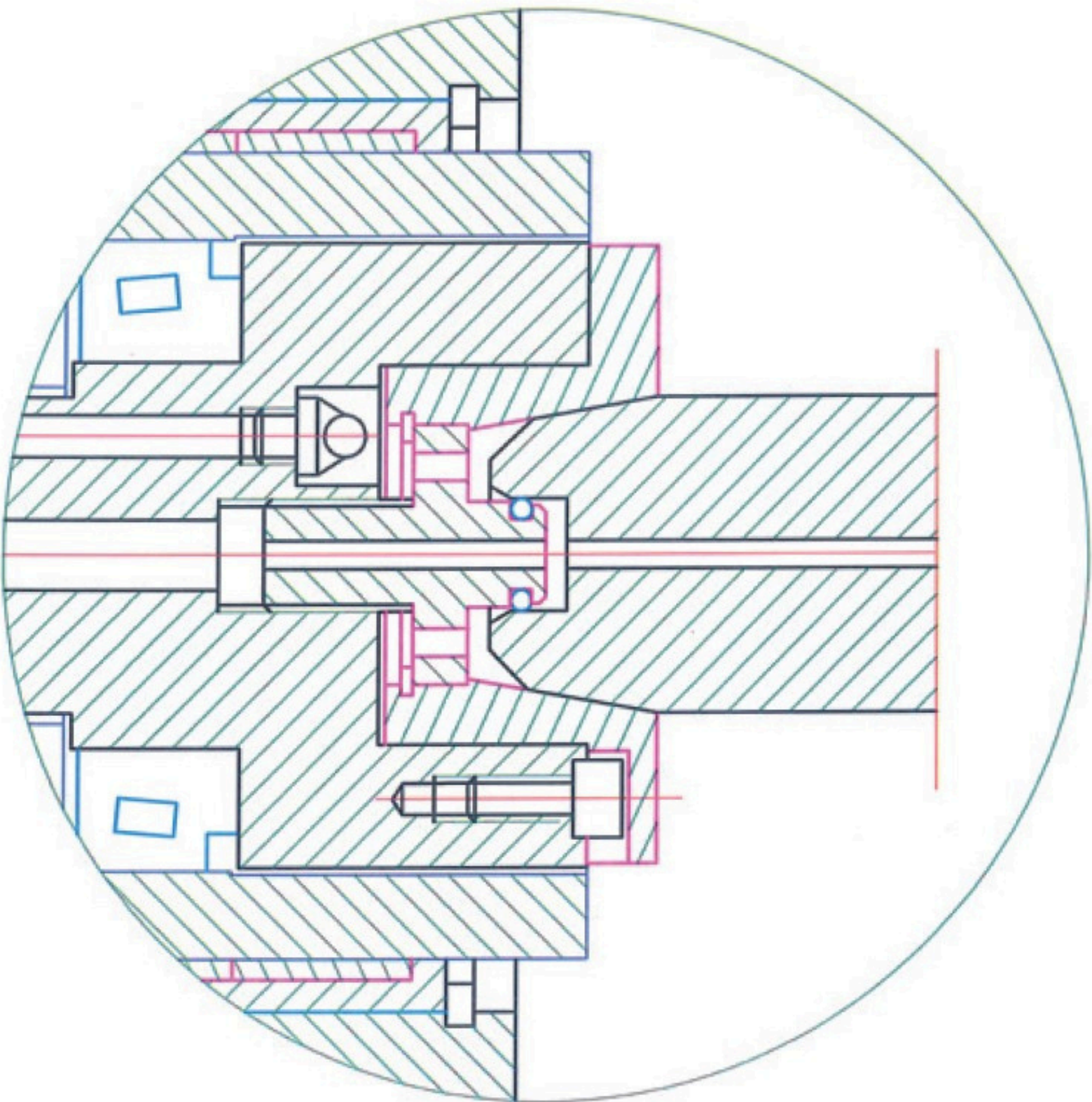
TYPE 20/30-30/40-40/50-50/80

DRIVING HEAD WITH PINS

FOR HIGH TORQUES

MBC
Cuttin

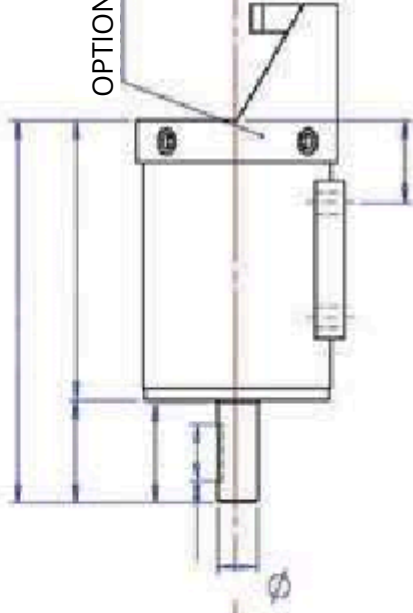
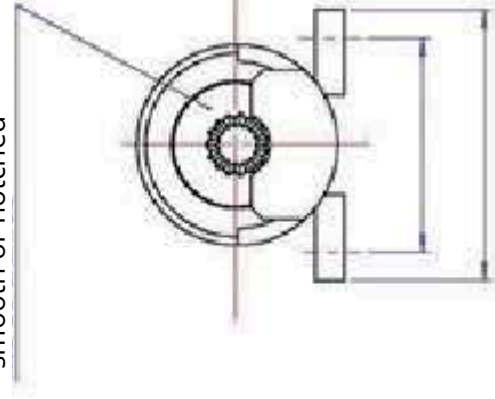




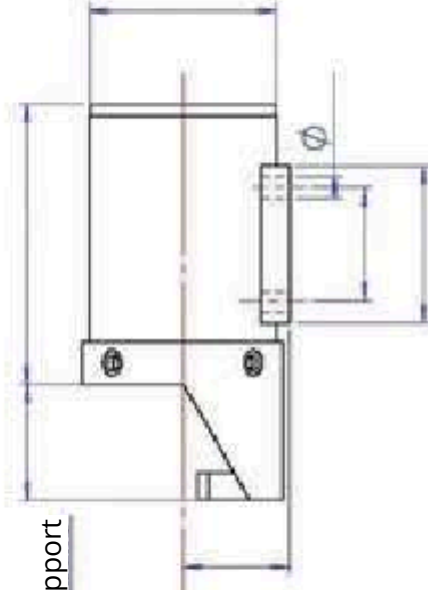
Designation :		
CHUCK WITH AXIAL INFLATION		
CHUCK 30/40 SFE 2000/2100		
	DATE: 26/11/99	Material N°: 30020

Drawings for measurement taking

OPTION : conical adapter
smooth or notched



OPTION : shaft support



SFE/STG

SFE/ST



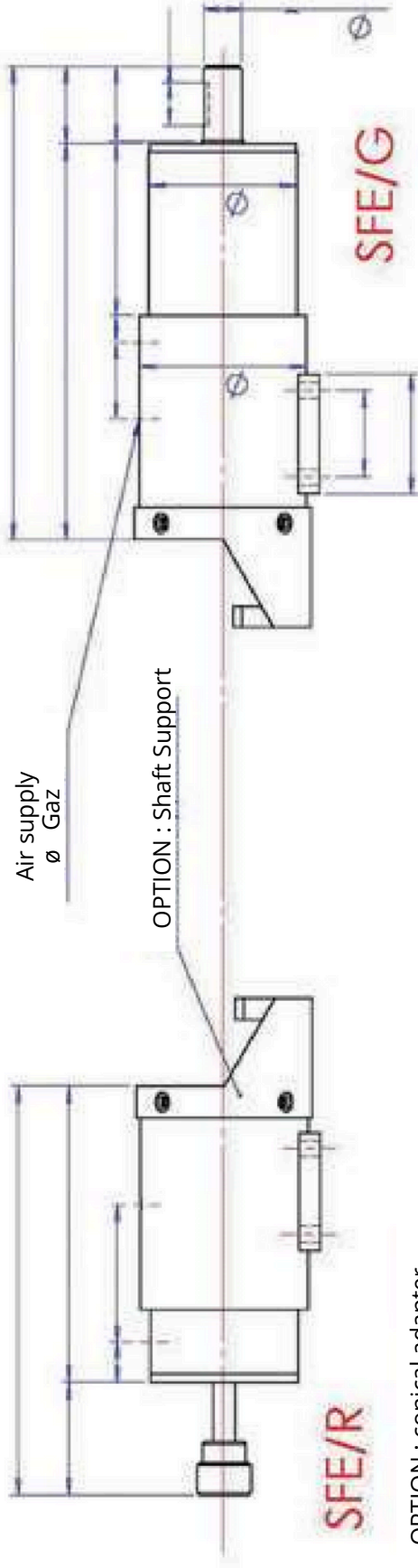
**SAFETY CHUCK WITHOUT SLIDING
SERIE**

*MBC
Guttin*

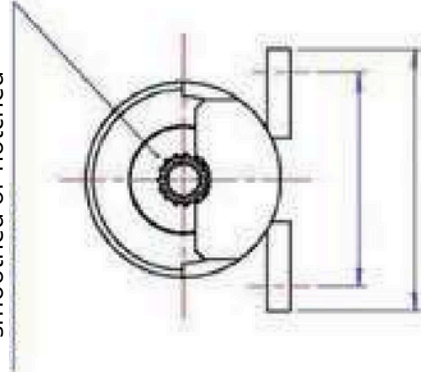
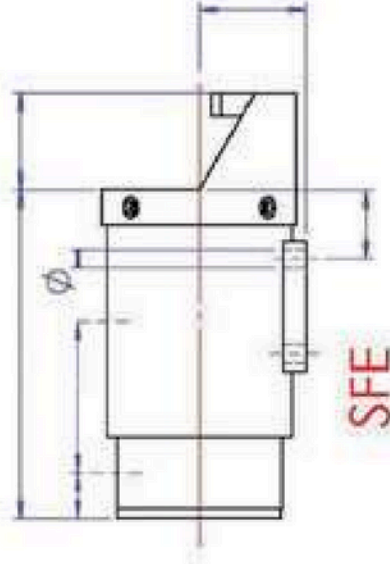
ROLL WEIGHT :

N





OPTION : conical adapter
smoothed or notched



PNEUMATIC SAFETY CHUCK

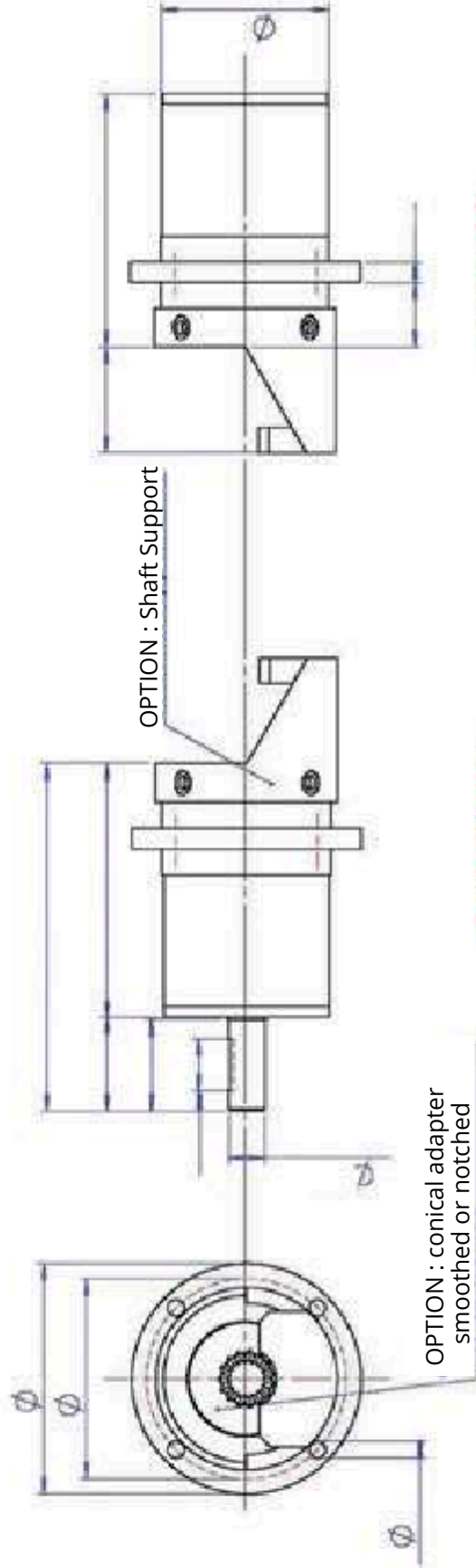
SERIE

STROKE mm

ROLL WEIGHT

MBC
Guttin





SFE/STG

SFE/ST

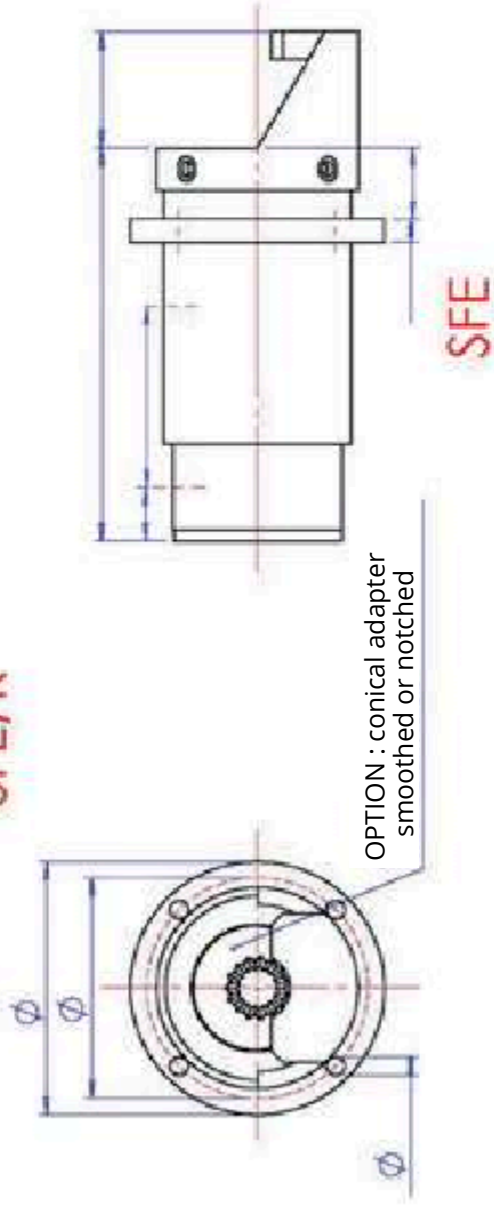
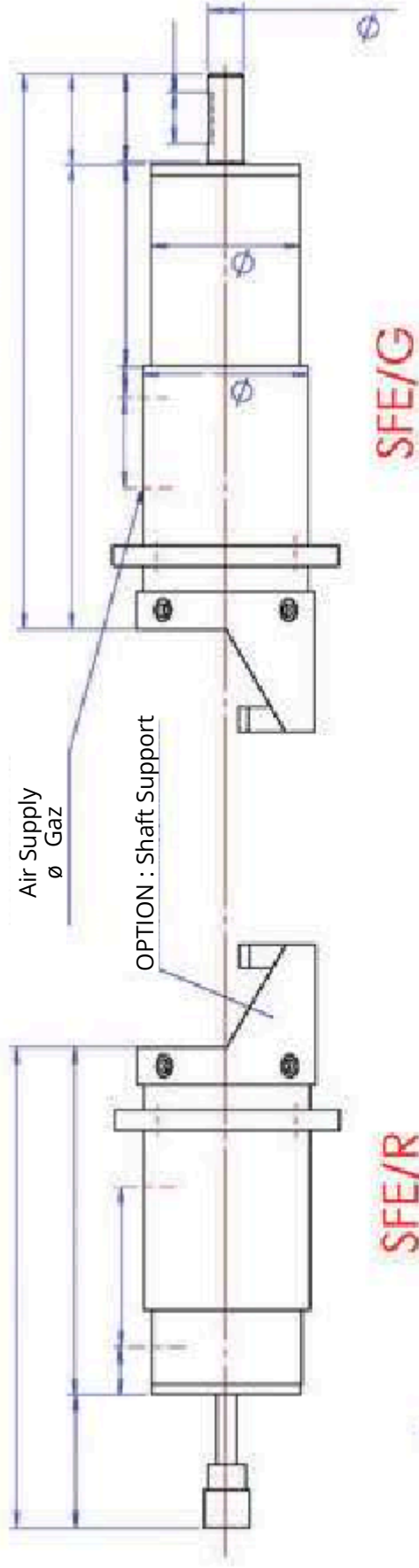


**SAFETY CHUCK
NON-TRANSLATORY
SERIE**

ROLL WEIGHT

***MBC
Guttin***





PNEUMATIC SAFETY CHUCK
SERIE
STROKE

ROLL WEIGHT :

N

MBC
Guttin



NOTES

IV. Expandable Materials

Expandable Shafts



The expandable bars, also called «expandable airshafts» are designed to fit the inside of your core for winding and unwinding activities of your rolls.

As a manufacturer, MBC provides expandable airshafts ranging from 1" (25,4 mm) to 35" (900 mm) in diameter and up to 9 m length.

We manufacture the end shaft you need with all the required features for your installation.



Lightweight : MBC Guttin thinks of your users !

Search for lightness in our shafts, development of new materials.

Development of reinforced aluminium for greater lightness.



Solidity

Protection of the spare bladder kit with a «double skin»

Exclusive patent of MBC Guttin.



Easy Maintenance

when changing the bladder kit (shaft with lugs)

The lugs don't fall thanks to our double skin !

You save almost 45 min. when changing your bladder kit

Exclusive patent of MBC Guttin.



Products made in France

A French know-how that has been proven for 30 years

Products tailored to your needs

A design office at your disposal.



MBC Guttin provides a feasibility study for
all your requests

Contact : +33 (0) 4 76 32 07 82

Or send us a mail to : mbc@guttin.com

Create your expandable airshaft MBC GUTTIN !

Choose your type of shaft :

☐ with continuous fillets

☐ with lugs



Choose your Materials :

(Dimensions, weight, use, web length, fastening, speed, type of activity)

With continuous fillets

With lugs

☐ Aluminium

☐ Steel



☐ Carbon

☐ Aluminium

☐ Reinforced
Aluminium

☐ Steel



Choose your expansion elements :

(Type of core, double use, tension)

With Continuous fillets

☐ Rubber continuous fillets



☐ Steel continuous fillets

☐ Steel continuous fillets diamond tip

☐ Aluminium continuous fillets

With lugs

☐ Lugs diamond tips,
Length 100 mm

☐ Aluminium lugs,
Length 100 mm

☐ Rubber lugs,
Length 100 mm

☐ Lugs with diamond tip,
Length 50 mm

☐ Aluminium lugs,
Length 50 mm

☐ Rubber lugs,
Length 50 mm



Choose your type of Inflation/Deflation :

☐ Bowl valve

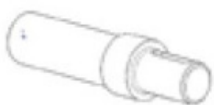


☐ Shell valve



Adapt your airshaft to your safety chuck by choosing your end shafts :

Creation of your Airshaft



Other projects
available on
request



Type STD



Type A



Type B



Type AVPU

Tailor-made

Let us know what you need !

MBC Guttin is listening to you to find the solution that best suits your needs.

More Information :

Advantages

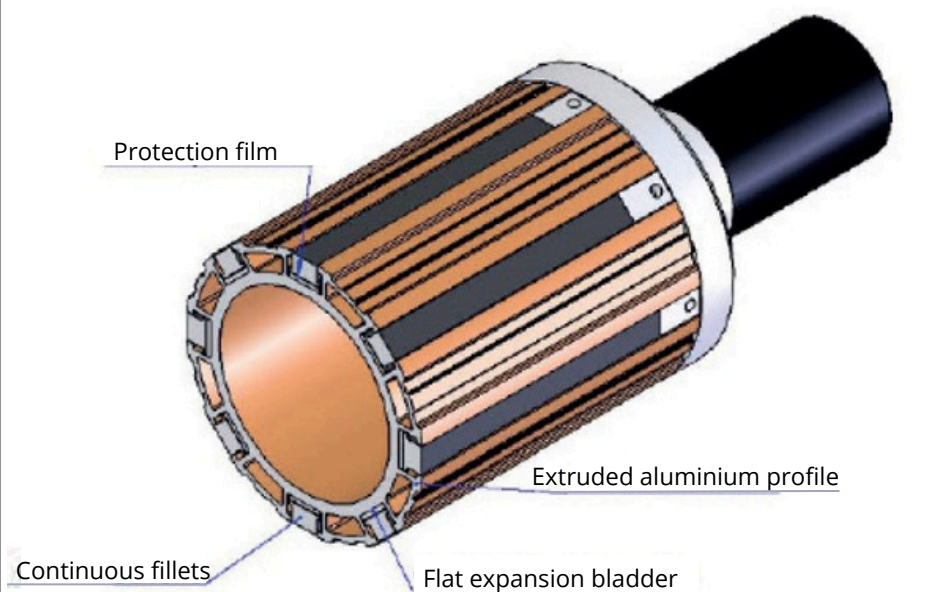
- + Simplified insertion
- + Lightweight
- + Fast Maintenance



Preferred solutions for any web width.
Position your roll ideally in the alignment of your machine.
Unwinding in multi-tracks or single web,
the continuous fillets hold your roll perfectly.
This format is offered to you in aluminium or in steel with
different options.

Type of options :

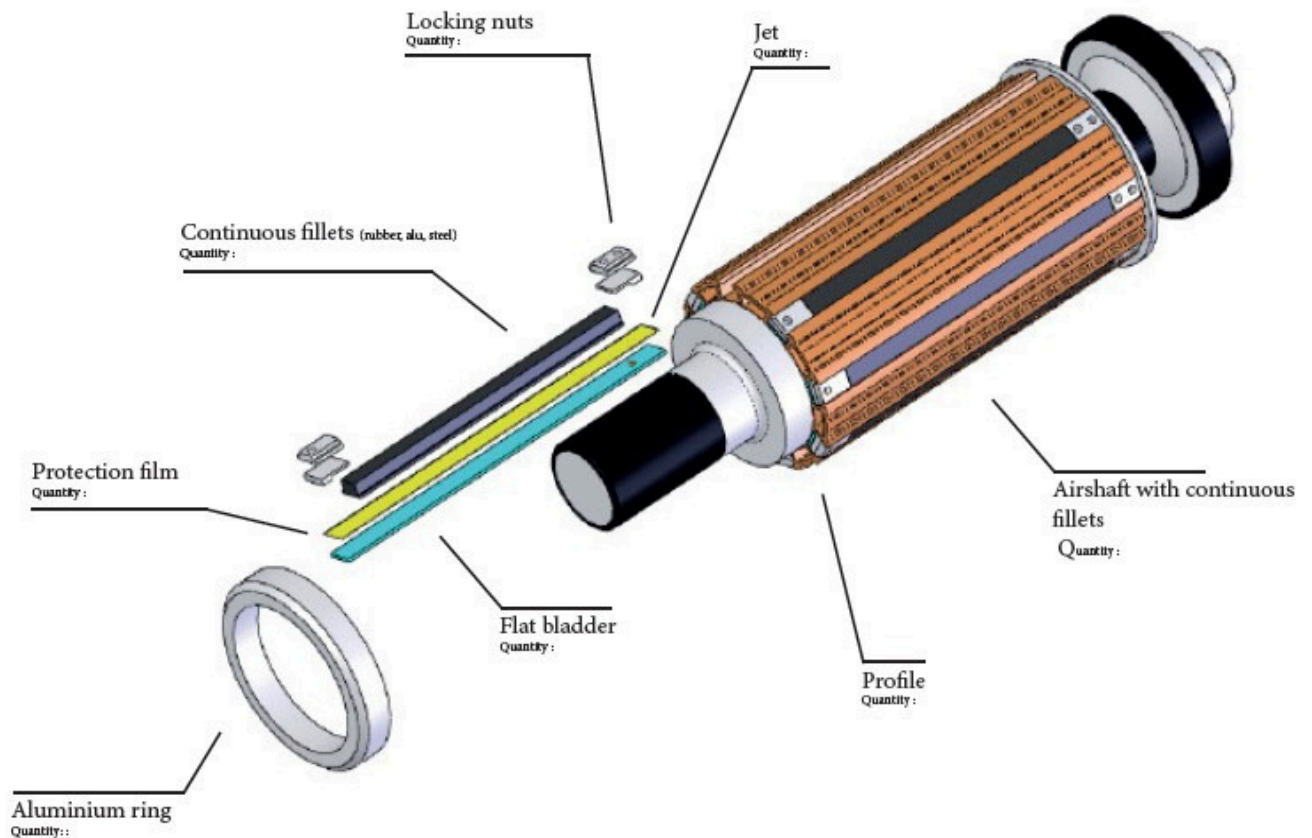
- Aluminium, Steel design
- Expansion with aluminium, steel, rubber continuous fillets
- Length of continuous fillets : full length or segmented
- Insertion ball to facilitate the core insertion
- Choice of the end shaft



Composition of the MBC Guttin airshaft,

Airshaft with continuous fillets

Identification of different parts :



- ☐ Rubber continuous fillets
- ☐ Steel continuous fillets
- ☐ Steel continuous fillets diamond point
- ☐ Aluminium continuous fillets

☐ Bowl Valve



☐ Shell Valve



Airshaft Identification :

An airshaft number is punched under the stickers MBC Guttin sticker glued to the airshaft. It can also be visible on the edge of the airshaft.



Advantages

- + Reinforced core holding
- + High Tension
- + Easy Maintenance
- + Carbon and reinforced aluminium Manufacturing
- + MBC Patent

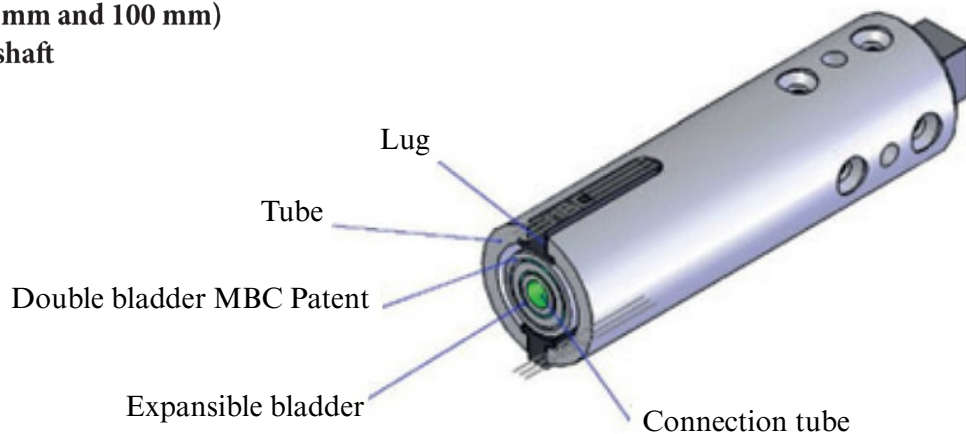
Preferred solution for the roll with high load and/or a high tension. The lugs exert a multipoint force on the core. Each lugs fits and locks the core, preventing slippage during tensioning.

Appreciated for its stiffness, load capacity and high resistance, the airshaft with lugs is available in three materials : aluminium, steel or carbon.

It is then possible to combine strength and lightness.

Type of options :

- Steel, carbon, aluminium and reinforced aluminium design
- Expansion with aluminium, steel, rubber lugs
- Length of lugs (50 mm and 100 mm)
- Choice of the end shaft



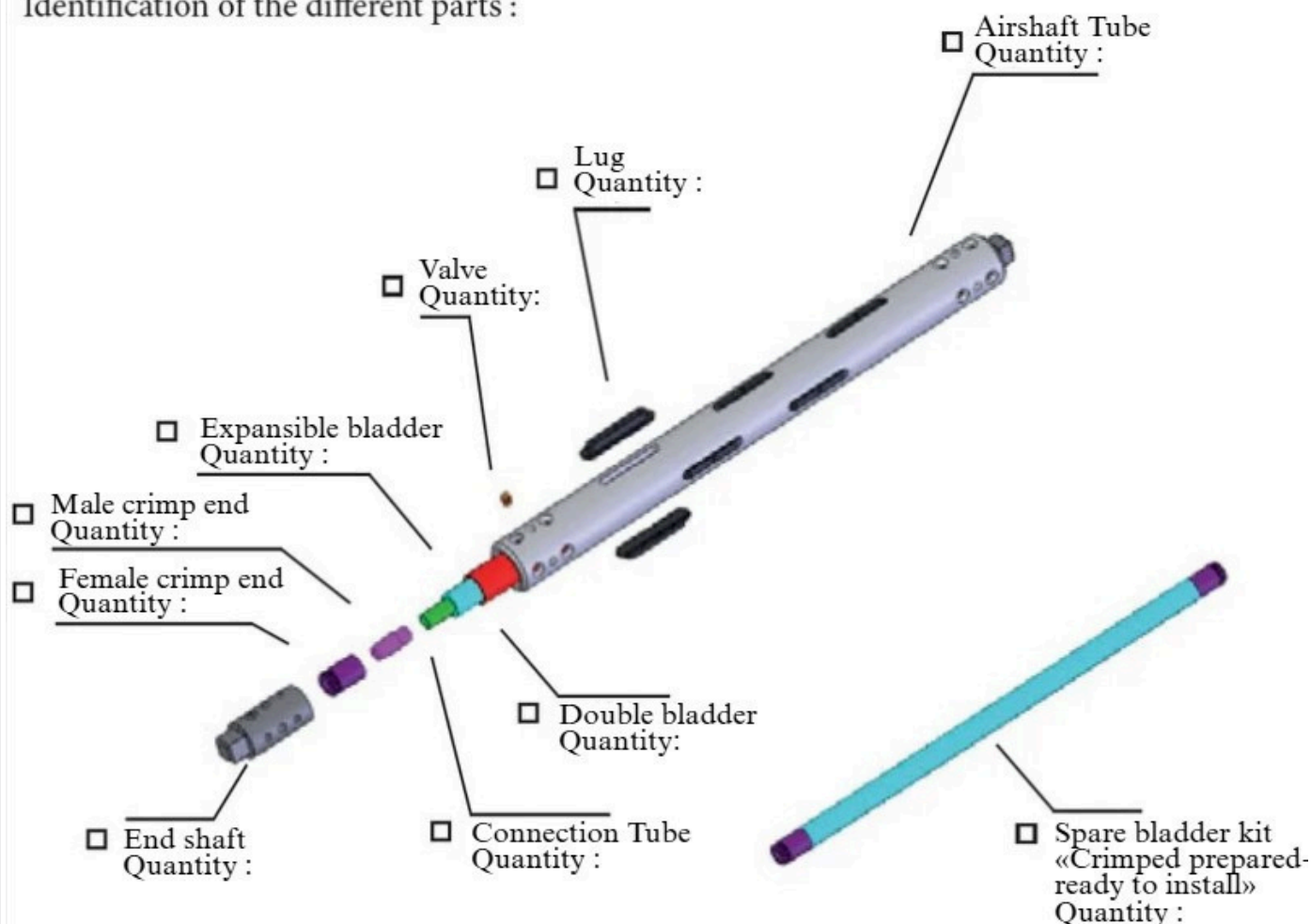
MBC Guttin Patent :

MBC Guttin inserts a double bladder between the spare bladder kit and the lugs. The result ? No contact between the lugs and the spare bladder kit ==> less puncture. The double bladder holds your lugs in place during the change of the spare bladder kit.

Composition of the MBC Guttin airshaft,

Airshaft with lugs

Identification of the different parts :



Identification of the wear part :

Lugs diamond tip,
Length 100 mm



Aluminium lugs,
Length 100 mm



Rubber lugs,
Length 100 mm



Lugs diamond tip,
Length 50 mm



Aluminium lugs,
Length 50 mm



Rubber lugs,
Length 50 mm



☐ Bowl Valve



☐ Shell Valve

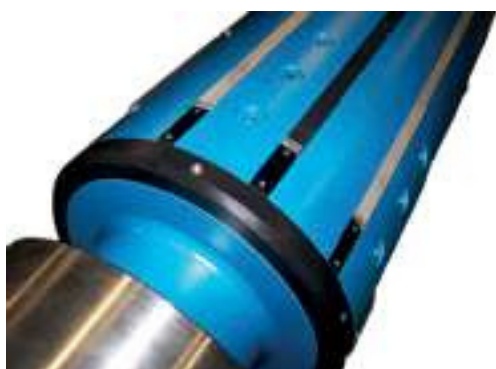


Airshaft Identification :

An airshaft number is punched under the stickers MBC Guttin sticker glued to the airshaft. It can also be visible on the edge of the airshaft.

Advantages

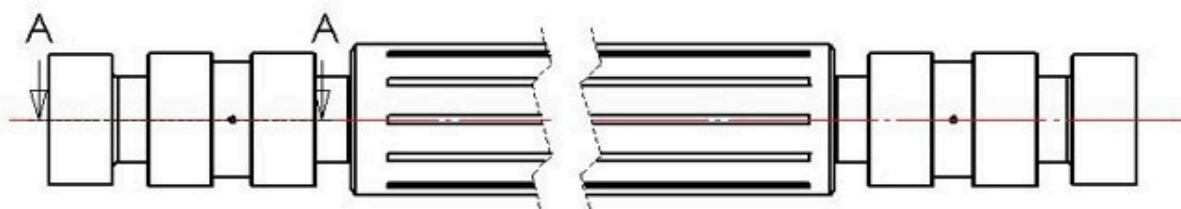
- + Locking and centering of continuous fillets
- + Static balancing of the tube
- + Bearing case conical bearing
- + Speed max. 1750 m/ min
- + Up to 15 tonnes



Specially designed for the Paper Industry, this airshaft meets extreme conditions of use. Able to support loads and speeds specifics to paper machines.

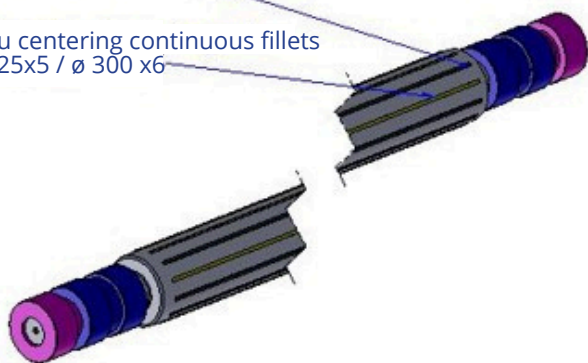
Type of options :

To define with our design office

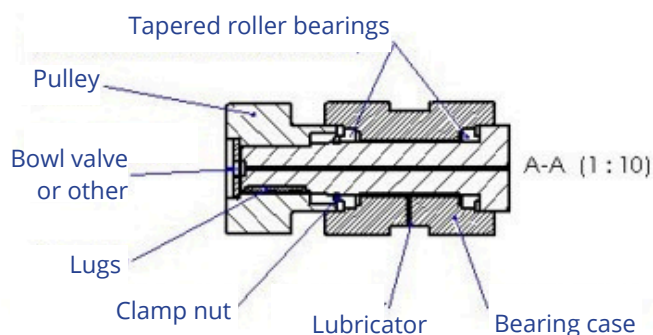


Rubber locking continuous fillets
ø 250 x5 / ø 300x6

Alu centering continuous fillets
ø 25x5 / ø 300 x6



Airshaft with static balancing speed up to 1 750 m /mm



Ensemble: Barre expansible pneumatique papeterie		
Titre:		
Matière: acier	Tolérances générales: ISO 2768 mK	Nb:
Echelle: 1:10	Etat de surface général: 1,6	GUTTIN Fabrice
Ce plan est la propriété de M&C GUTTIN. Il ne peut être reproduit et/ou communiqué sans autorisation.		Date:
This document belong to M&C GUTTIN. It cannot be reproduced and/or transmitted without authorisation.		Client :
MBC Guttin		Langue: Fr

Advantages

- + Cantilevered work
- + One piece cast steel airshaft
- + Rigidity - Adaptability
- + Fixed Pin



The expansible pins allow for cantilevered work. Similar to expandable airshafts they are available with either continuous fillets or lugs expansion.

Type of options :

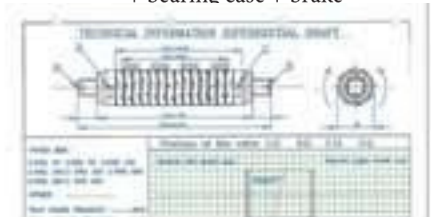
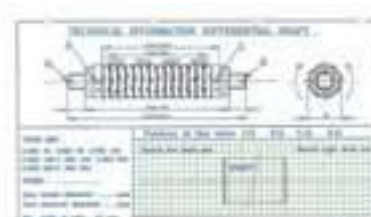
- Steel, aluminium, reinforced aluminium
- Expansion with aluminium, steel, rubber continuous fillets or lugs
- Choice of the type of coupling (flange, axle, ou bearing case)
- Bowl or shell Valve
- Scale

Variants :

Cantilevered expandable shaft

Cantilevered expandable shaft + bearing case

Cantilevered expandable airshaft
+ bearing case + brake



Advantages

- + Protects cores with low thickness
- + Use without cores
- + No deformation = protects the fine products



Airshaft with a shell serves 2 specific uses:

1. For the core with low thickness, the shells prevent distortion.
2. The clip locking eliminates the need for a core (cardboard or PVC)

Type of options :

- Smoothed or milled shell
- Locking clip
- Bowl or shell valve
- Scale

TECHNICAL INFORMATION DIFFERENTIAL SHAFT	
Position of the valve A ☐ B ☐ C ☐ D ☐	
TYPES MBC : ○ FRG 70 ○ FRG 76 ○ FRG 100 ○ FRG 120 ○ FRG 150 ○ FRG 203 ○ FRG 250 ○ FRG 254 OTHER : _____ Core inside diameter : _____ mm Core external diameter : _____ mm Min. width of rolls : 12 mm Core material : ○ CARDBOARD ○ PLASTIC ○ CONSTANT TENSION DURING WINDING ○ VARIABLE TENSION DURING WINDING	Sketch left shaft end Sketch right shaft end SHAFT
DIFFERENTIAL SHAFT Type FRG CUSTOMER :	
MBC Guttin	

Advantages

- + Rapid use
- + Change to the desired diameter

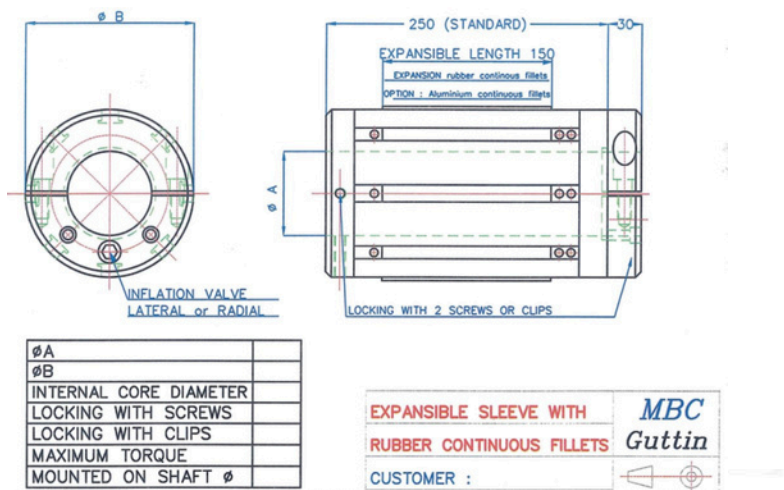


The MBC Sleeves allow you to compensate for punctual diameter changes.

For example, you can quickly switch from a diameter 3" to a diameter 6" by equipping your shaft with a pair of sleeves

Type of options :

- • Mechanical locking by clip or pressure screw
- • All type of inside diameter or outside diameter (subject to feasibility)
- • Aluminium design
- • Expansion with aluminium, steel, rubber continuous fillets
- • Choice of the length of the sleeve
- • Inflation two-by-two simultaneously
- • Bowl or shell valve



Other Materials

Advantages

- + Multitracks
- + Equal tension on each small roll
- + Friction rings



Friction bars have been studied and designed for multitracks winding. Friction rings allow you to wind each small rolls with equal tension. The latter rub when the tension is too high and allow to regulate individually the tension exerted on each small rolls.

Type of options :

- Diameter
- Type of rings (balls or pawls)
- Choice of end shafts

TECHNICAL INFORMATION DIFFERENTIAL SHAFT	
TYPES MBC : ☐ FRG 70 ☐ FRG 76 ☐ FRG 100 ☐ FRG 120 ☐ FRG 150 ☐ FRG 203 ☐ FRG 250 ☐ FRG 254 OTHER : _____ Core inside diameter : _____ mm Core external diameter : _____ mm Min. width of rolls : 12 mm Core material : ☐ CARDBOARD ☐ PLASTIC ☐ CONSTANT TENSION DURING WINDING ☐ VARIABLE TENSION DURING WINDING	Position of the valve A ☐ B ☐ C ☐ D ☐ Sketch left shaft end Sketch right shaft end
DIFFERENTIAL SHAFT Type FRG	
CUSTOMER : _____	

Advantages

- + Multitracks
- + Equal tension on each small roll
- + Friction rings



Used without a core in Cardboard or PVC, this core allows you to win up your material in order to be unrolled next.

Inserting a square airshaft of different lengths provides versatility across all your machines.

Make your life easier by choosing this lightweight and functional solution.

Type of options :

- Diameter from 100 to 300 mm
- Square (Internal bore)
- Reinforcement according to specifications

Advantages

- + Standard or custom
- + Choice of diameter
- + Choice of fastening



To answer all your requests, MBC Guttin offers a range of guiding rolls.

Often overlooked, these guiding rolls play a crucial role in maintaining your product.

They are essential after smoothing, angular lifting, recovery after calendering or any type of operation, it is the guiding roll that recovers and transmits the material.

Type of options :

- Material (Steel, stainless steel, hard anodized)
- Rubber coating
- Fixed face or freely rotating face
- Choice of fastening
- Choice of diameter

NOTES

Layout plan

- Expandable Materials -

TECHNICAL INFORMATION

Core int. diameter : _____ mm
Core ext. diameter : _____ mm

Core material
Cardboard ☐ Plastic ☐
Steel ☐ Without core ☐

Winding ☐ Unwinding ☐

Cutting on the shaft ☐

Max. roll width : _____ mm
Max. roll weight : _____ kg
Min. roll width : _____ mm
Mini roll weight : _____ kg

Number of bobbins : _____
Bobbin width : _____ mm

Speed : _____ m/min
Emergency stop : _____ sec

Treated Material
Paper ☐ Plastic ☐ Other _____
Cardboard ☐ Textile ☐

Weight of treated material : _____ gr/m₂
Strip tension : _____ N/cm

Shaft material :
Aluminium ☐ Steel ☐
Carbon ☐ Other _____

Type of winding

☐ ☐ ☐ ☐

total length :

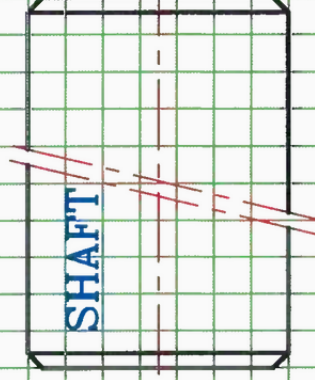
face width :



Position of the valve : A ☐ B ☐ C ☐ D ☐

Sketch left shaft end

Sketch right shaft end



EXPANSIBLE AIRSHAFT WITH
CONTINUOUS FILETS

MBC
Guttin

CUSTOMER :



TECHNICAL INFORMATION

Core int. diameter : _____ mm
Core ext. diameter : _____ mm

Core material
Cardboard ☐ Plastic ☐
Steel ☐ Without core ☐

Winding ☐ Unwinding ☐

Cutting on the shaft ☐

Max. roll width : _____ mm
Max. roll weight : _____ kg
Min. roll width : _____ mm
Mini roll weight : _____ kg

Number of bobbins : _____
Bobbin width : _____ mm

Speed : _____ m/min
Emergency stop : _____ sec

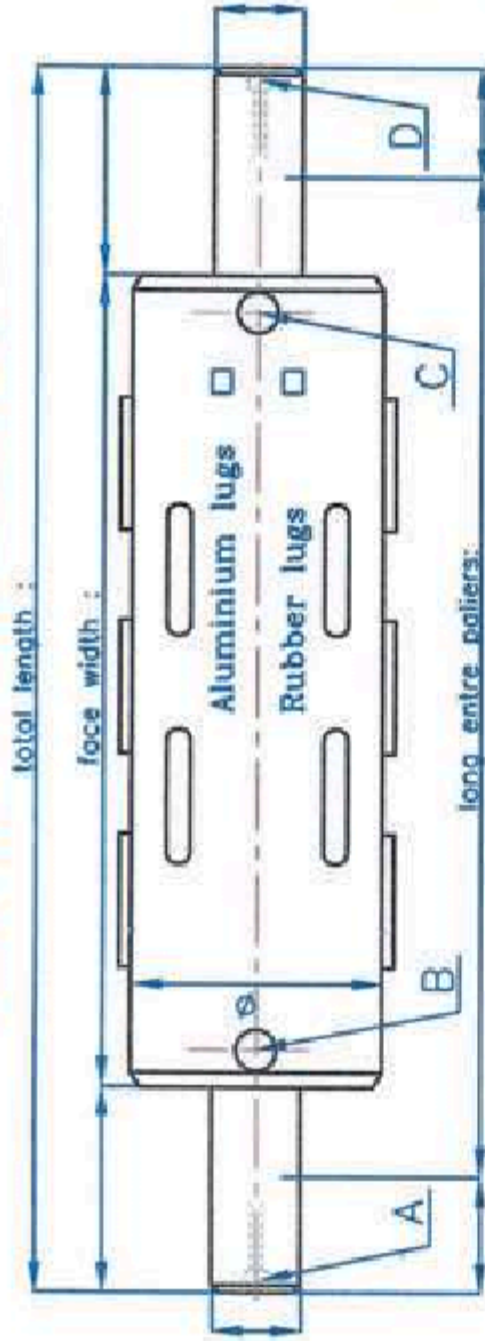
Treated Material
Paper ☐ Plastic ☐ Other _____
Cardboard ☐ Textile ☐

Weight of treated material : _____ gr/m₂
Strip tension : _____ N/cm

Shaft material :
Aluminium ☐ Steel ☐
Carbon ☐ Other _____

Type of winding

☐ 
☐ 
☐ 
☐ 



Position of the valve A ☐ B ☐ C ☐ D ☐

Sketch left shaft end

Sketch right shaft end



EXPANSIBLE AIRSHAFT WITH LUGS

MBC
Guttin

CUSTOMER :

TECHNICAL INFORMATION

Core int. diameter : _____ mm

Core ext. diameter : _____ mm

Core material

Cardboard ☐ Plastic ☐

Steel ☐ Without core ☐

Winding ☐ Unwinding ☐

Cutting on the shaft ☐

Max. roll width : _____ mm

Max. roll weight : _____ kg

Min. roll width : _____ mm

Mini roll weight : _____ kg

Number of bobbins : _____

Bobbin width : _____ mm

Speed : _____ m/min

Emergency stop : _____ sec

Treated Material

Paper ☐ Plastic ☐ Other ☐

Cardboard ☐ Textile ☐

Weight of treated material : _____ gr/m²

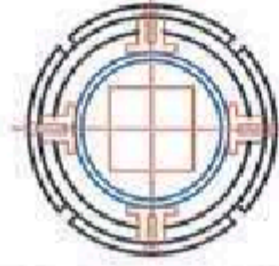
Strip tension : _____ N/cm

Shaft material :

Aluminium ☐ Steel ☐

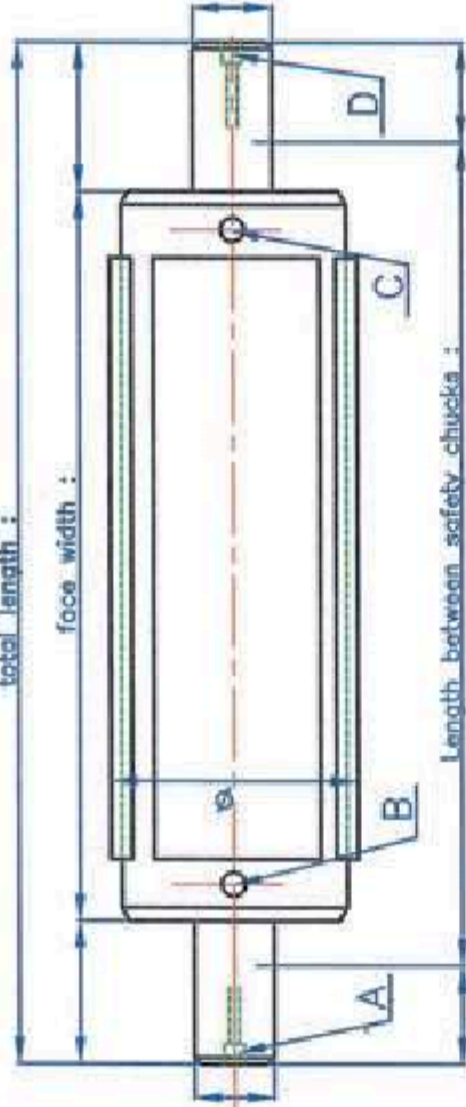
Carbon ☐ Other ☐

Type of winding



total length :

face width :



Length between safety chucks :

Position of the valve : A ☐ B ☐ C ☐ D ☐

Sketch left shaft end

Sketch right shaft end

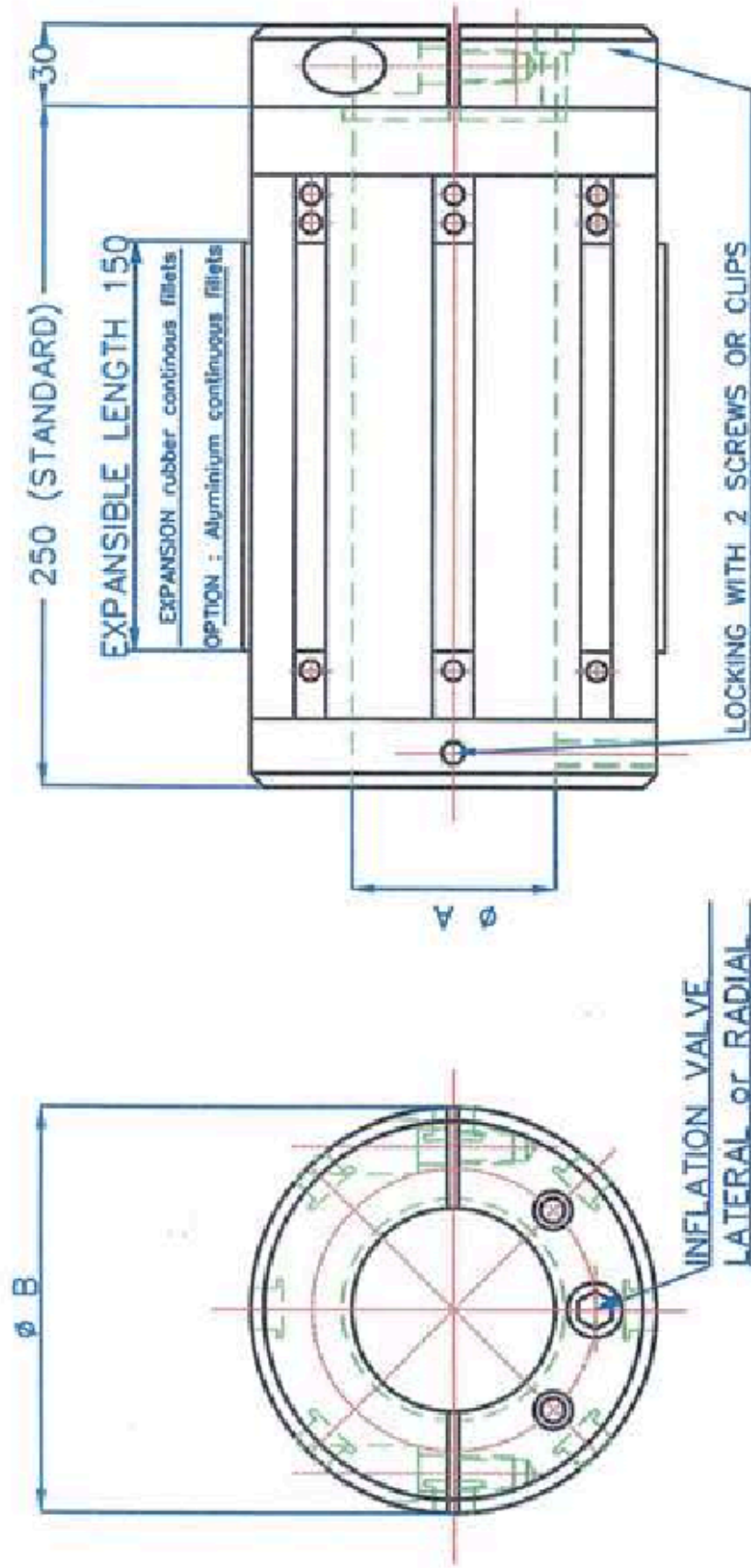


EXPANSIBLE AIRSHAFT WITH SHELLS

MBC
Guttin

CUSTOMER :





ϕA	
ϕB	
INTERNAL CORE DIAMETER	
LOCKING WITH SCREWS	
LOCKING WITH CLIPS	
MAXIMUM TORQUE	
MOUNTED ON SHAFT ϕ	

MBC
Guttin

EXPANSIBLE SLEEVE WITH

RUBBER CONTINUOUS FILLETS

CUSTOMER :



TECHNICAL INFORMATION

Core int. diameter : mm
Core ext. diameter : mm

Core material
Cardboard ☐ Plastic ☐
Steel ☐ Without core ☐
Winding ☐ Unwinding ☐

Cutting on the shaft ☐

Max. roll width : mm
Max. roll weight : kg
Min. roll width : mm
Mini roll weight : kg

Number of bobbins :
Bobbin width : mm

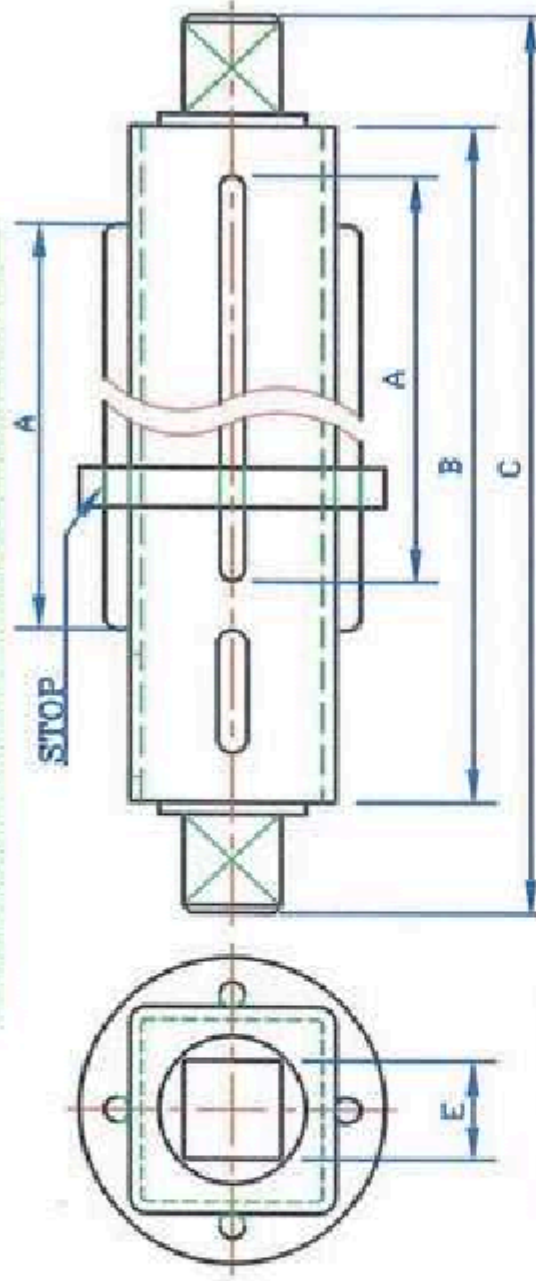
Speed : m/min
Emergency stop : sec

Treated Material
Paper ☐ Plastic ☐ Other ☐
Cardboard ☐ Textile ☐

Weight of treated material : gr/m₂
Strip tension : N/cm

Shaft material :
Aluminium ☐ Steel ☐
Carbon ☐ Other

Type of winding



WITH STOP POSITION

Sketch left shaft end



WITHOUT STOP POSITION

Sketch right shaft end

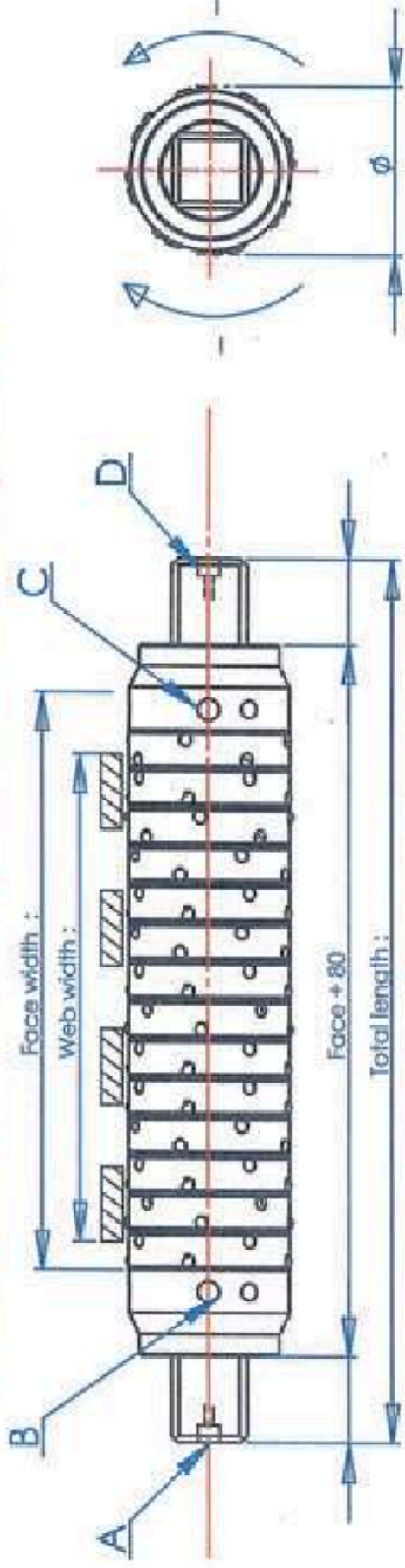
TUBULAR SHAFT

MBC
Guttin

CUSTOMER :



TECHNICAL INFORMATION DIFFERENTIAL SHAFT



Position of the valve A ☐ B ☐ C ☐ D ☐

Sketch left shaft end

Sketch right shaft end



TYPES MBC :

- ☐ FRG 70 ☐ FRG 76 ☐ FRG 100
- ☐ FRG 120 ☐ FRG 150 ☐ FRG 203
- ☐ FRG 250 ☐ FRG 254

OTHER : _____

Core inside diameter : _____ mm

Core external diameter : _____ mm

Min. width of rolls : 12 mm

Core material :

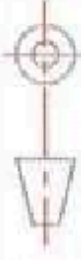
- ☐ CARDBOARD ☐ PLASTIC

☐ CONSTANT TENSION DURING WINDING

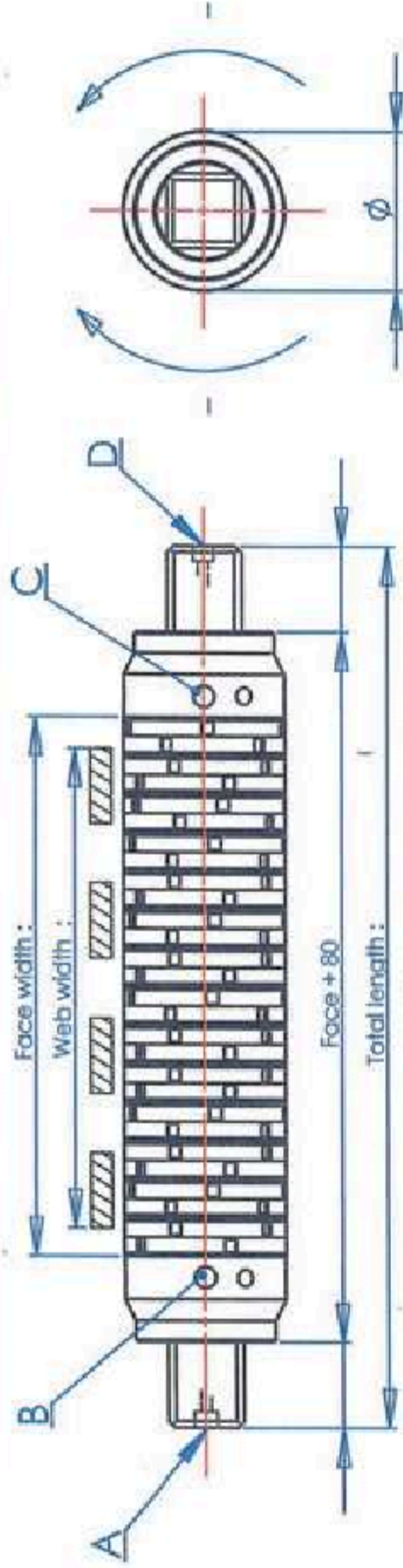
☐ VARIABLE TENSION DURING WINDING

DIFFERENTIAL SHAFT Type FRG
MBC Guttin

CUSTOMER :



TECHNICAL INFORMATION DIFFERENTIAL SHAFT



Position of the valve A ☐ B ☐ C ☐ D ☐

Sketch left shaft end

Sketch right shaft end



TYPES MBC :

- ☐ FW 70 ☐ FW 76 ☐ FW76R
- ☐ FW 76S ☐ FW 150 ☐ FW152
- ☐ FW 203 ☐ FW 250 ☐ FW254

OTHER :

Core internal diameter : mm

Core external diameter : mm

Min. rolls width : 12 mm

Core material :

☐ CARDBOARD ☐ PLASTIC

☐ CONSTANT TENSION DURING WINDING

☐ VARIABLE TENSION DURING WINDING

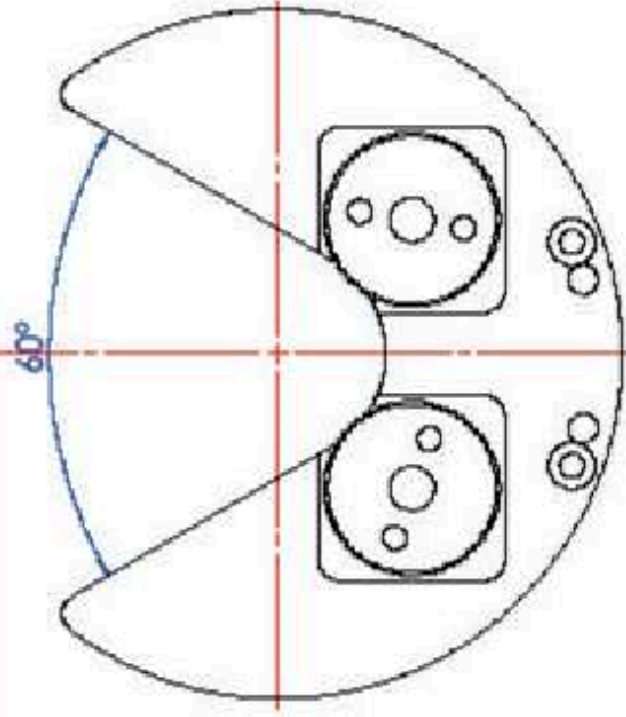
MBC
Guttin

DIFFERENTIAL SHAFT Type FW

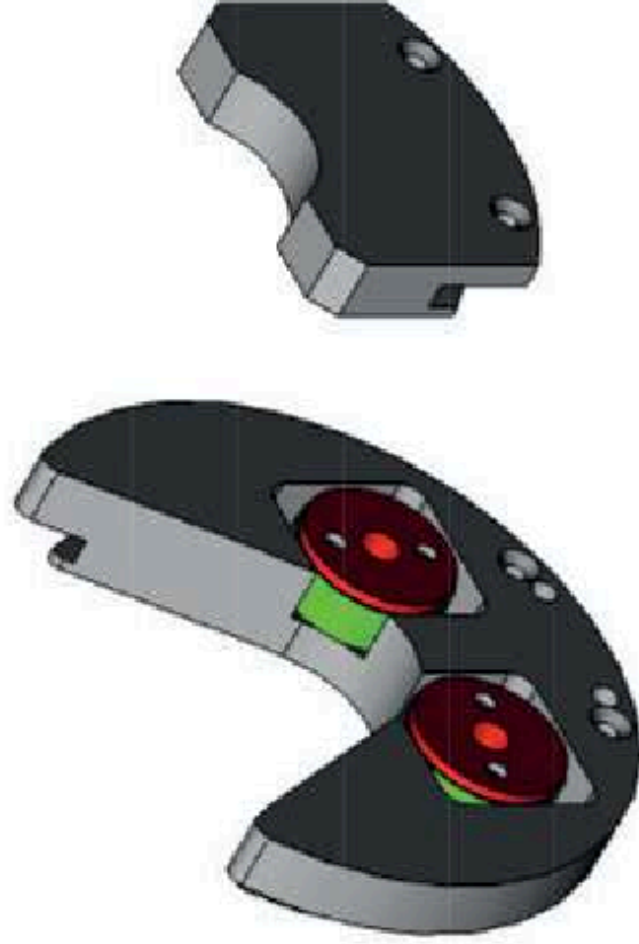
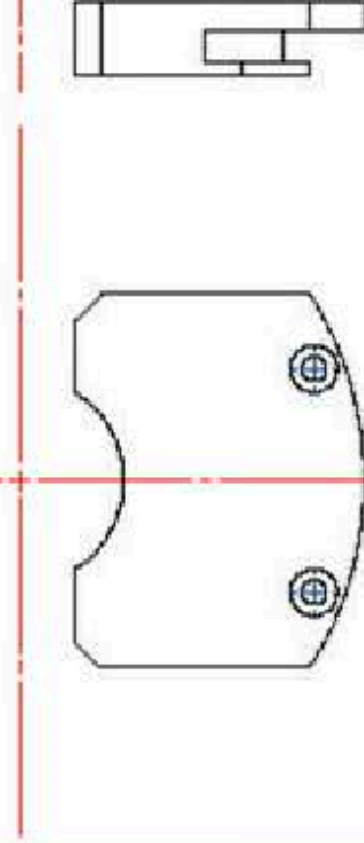
CUSTOMER :



AIRSHAFT SUPPORT TYPE 2



AIRSHAFT SUPPORT TYPE 1



Ensemble: AIRSHAFT SUPPORTS TYPE 1 AND 2

Titre:

Matière:

Tolérances générales: ISO 2768 mK
Etat de surface général: 1.6

Nb:

Echelle:

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GUTIN Fabrice



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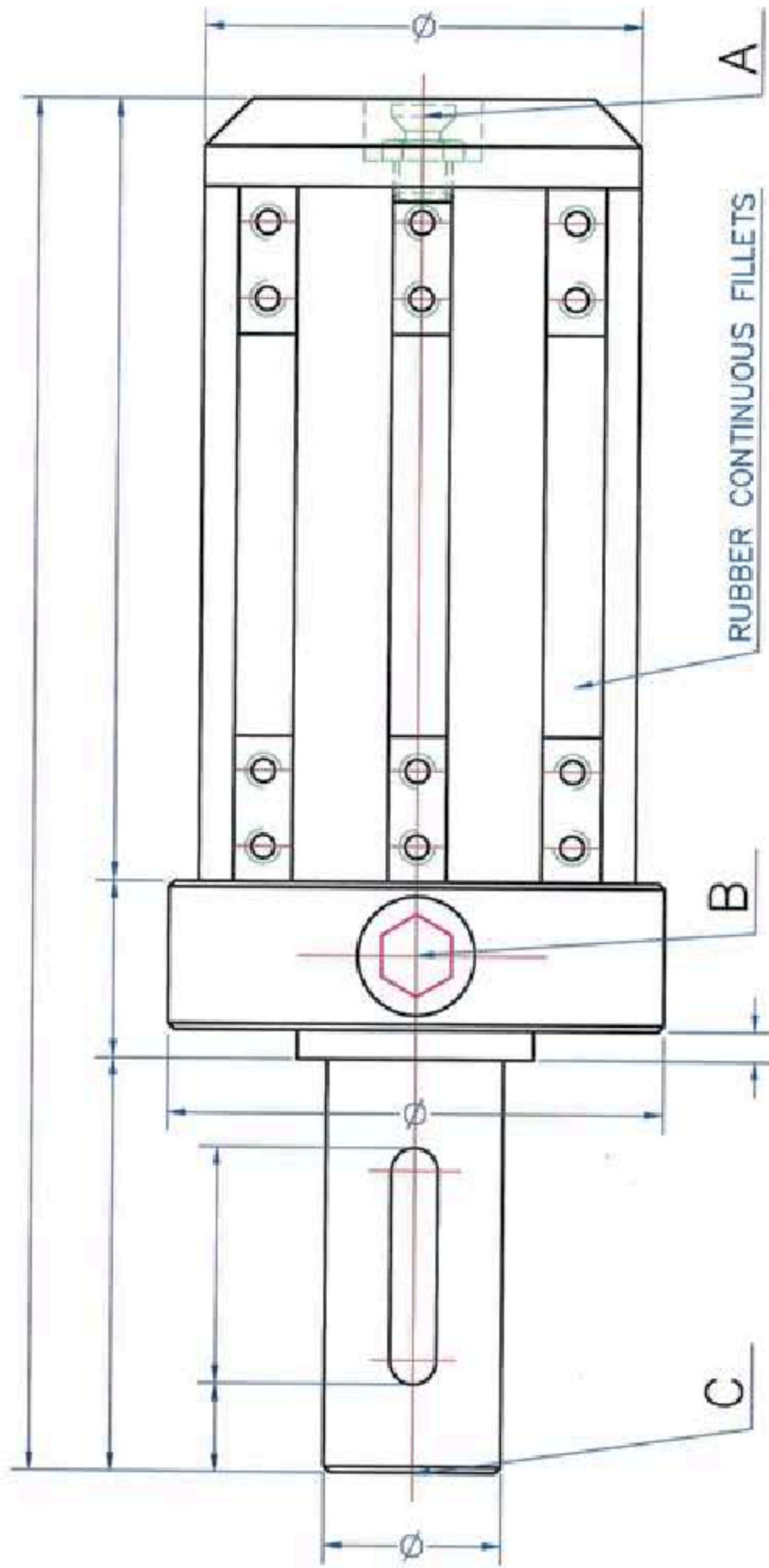
Date:

Client :

Langue:

Fr

MSC
Gutin

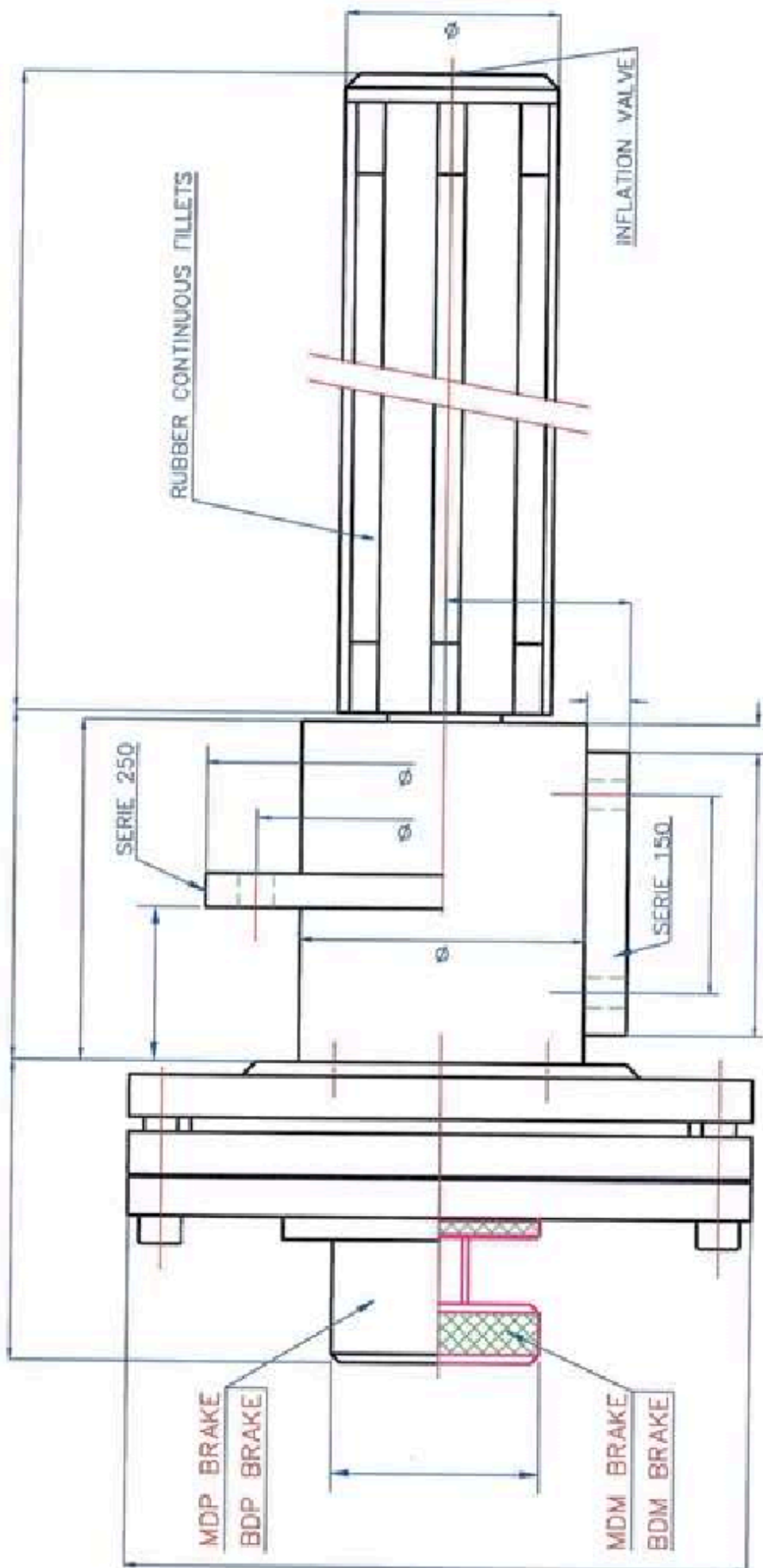


INFLATION VALVE POSITION		A ☐	B ☐	C ☐
FOR CORE $\varnothing$	CANTILEVERED EXPANDABLE			
ROLL WEIGHT	SHAFT WITH RUBBER			
TENSION MAXI	CONTINUOUS FILLETS			
CUSTOMER :				

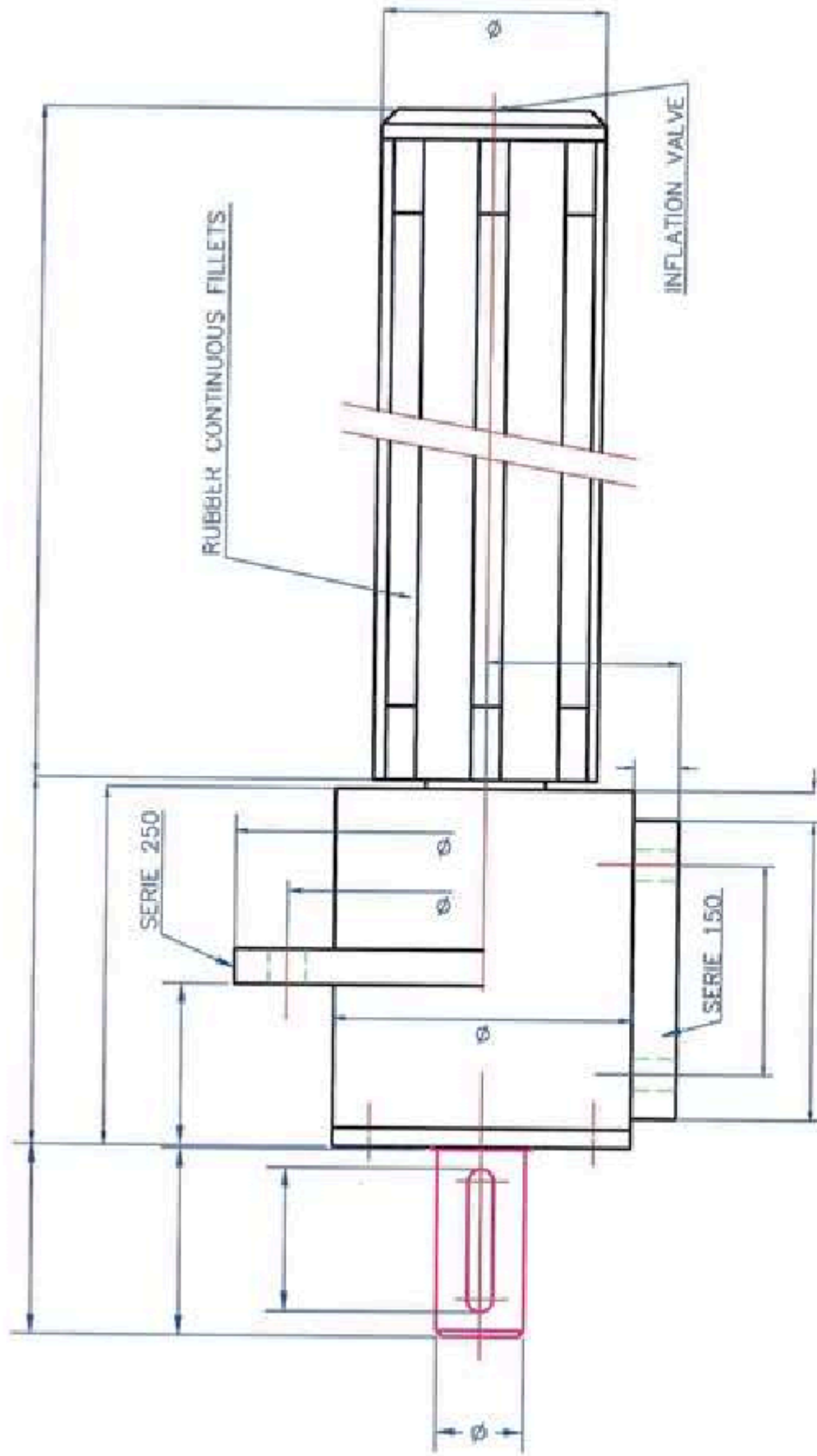
MBC

Guttin





FOR CORE ϕ	EXPANDABLE SHAFT WITH	<i>MBC</i>
ROLL WEIGHT	RUBBER CONTINUOUS FILLETS	<i>Guttin</i>
TENSION MAXI	BEARING CASE AND BRAKE	
	CUSTOMER :	



FOR CORE ϕ		EXPANDABLE SHAFT WITH	<i>MBC</i> <i>Guttin</i>	
ROLL WEIGHT		RUBBER CONTINUOUS FILLETS		
TENSION MAXI		AND BEARING CASE		
		CUSTOMER :		

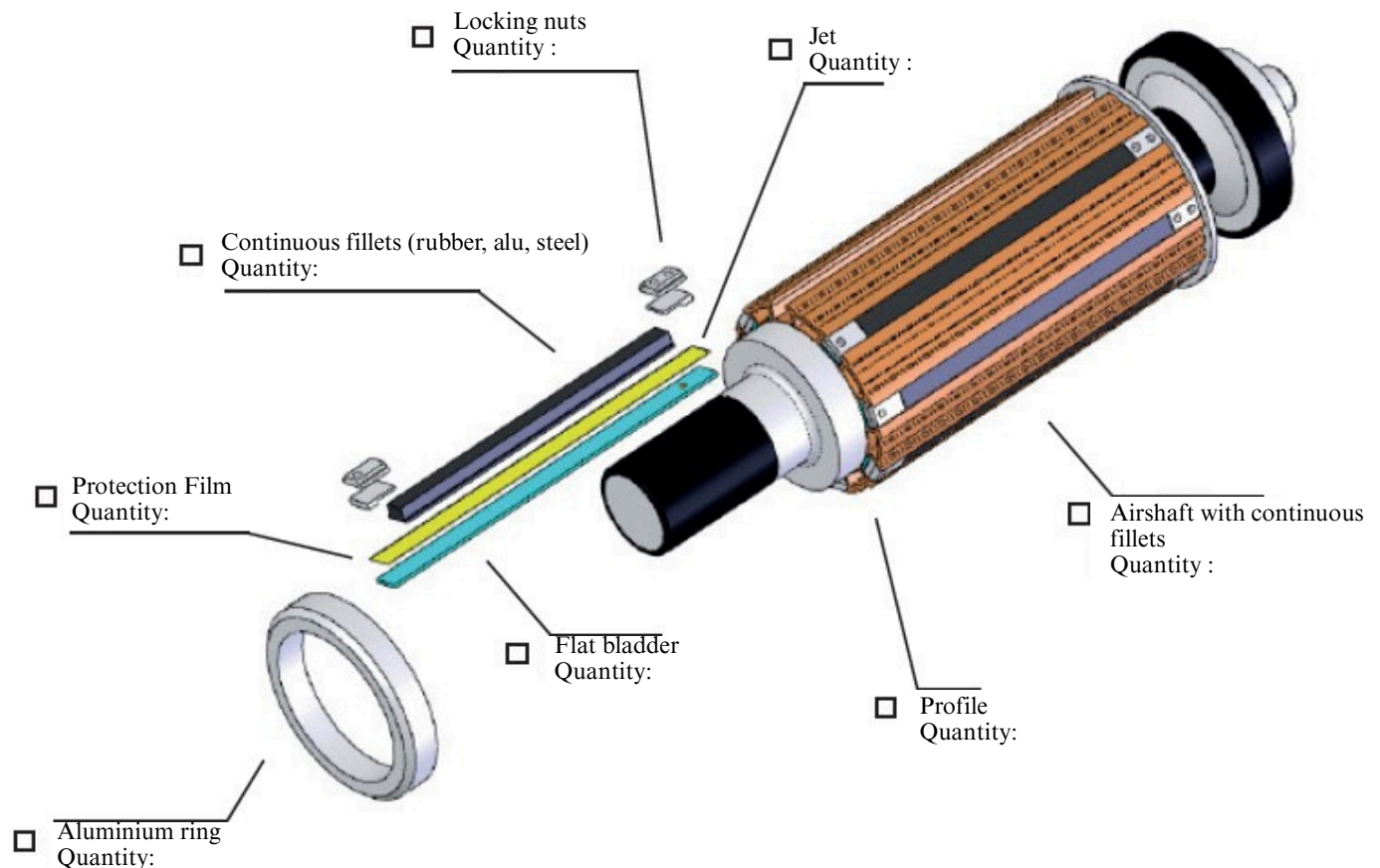
Maintenance & Spare Parts

Purchase Order

Spare Parts - Safety Chucks MBC

- Name of the company :
- Department :
- Person in charge :
- Email Address:

Identification of the different parts :



- ☐ Rubber continuous fillets
- ☐ Steel continuous fillets
- ☐ Steel continuous fillets diamond point
- ☐ Aluminium continuous fillets

Bowl Valve



Shell valve



Airshaft identification :

An airshaft number is punched under the MBC Guttin sticker glued to the airshaft.

It can also be visible on the edge of the airshaft.

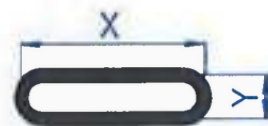
MBC Number :

(essential)

SPARE PARTS FOR EXPANSIBLE SHAFTS WITH CONTINUOUS FILLETS

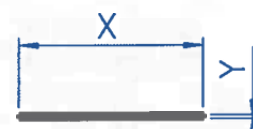
POLYURETHANE FLAT BLADDER

X	Y	Ref:
10	2.3	VP10
15	3.4	VP15
20	4	VP20



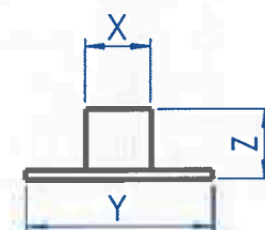
PROTECTION FILMS

X	Y	Ref:
10	0.4	FP10
15	0.4	FP15
20	0.4	FP20



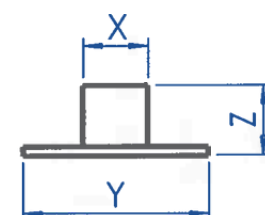
RUBBER CONTINUOUS FILLETS

X	Y	Z	Ref:
6	10	4.5	BC6
10	15	8	BC10
15	20	8	BC15



ALUMINIUM CONTINUOUS FILLETS

X	Y	Z	Ref:
10	15	8	BA10
15	20	8	BA15



BLOCKING CORNERS SET (1 SET FOR 1 CONTINUOUS FILLET SO 4 ALUMINIUM PARTS)

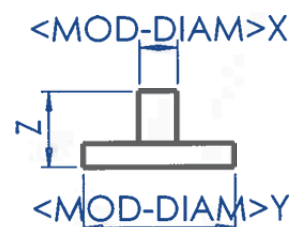
X	Y	Ref:
10	20	CB10
15	25	CB15
20	25	CB20



VALVE SIDE

BRASS AIR JET

X	Y	Z	Ref:
2	6	4	GAL 2
4.5	11	6.2	GAL4.5



BOWL VALVE

Threading **-10x100 ref: VC 10100 MBC standard mounting**
 -1/8 Npt ref: VC 1/8 Npt
 -3/8 Npt High flow ref: VC3/8 GD

SHELL VALVE

Threading -10x100 ref: VO 10100
 -8x100 ref: VO 8100
 -1/8 Gaz ref: VO 1/8 Gaz

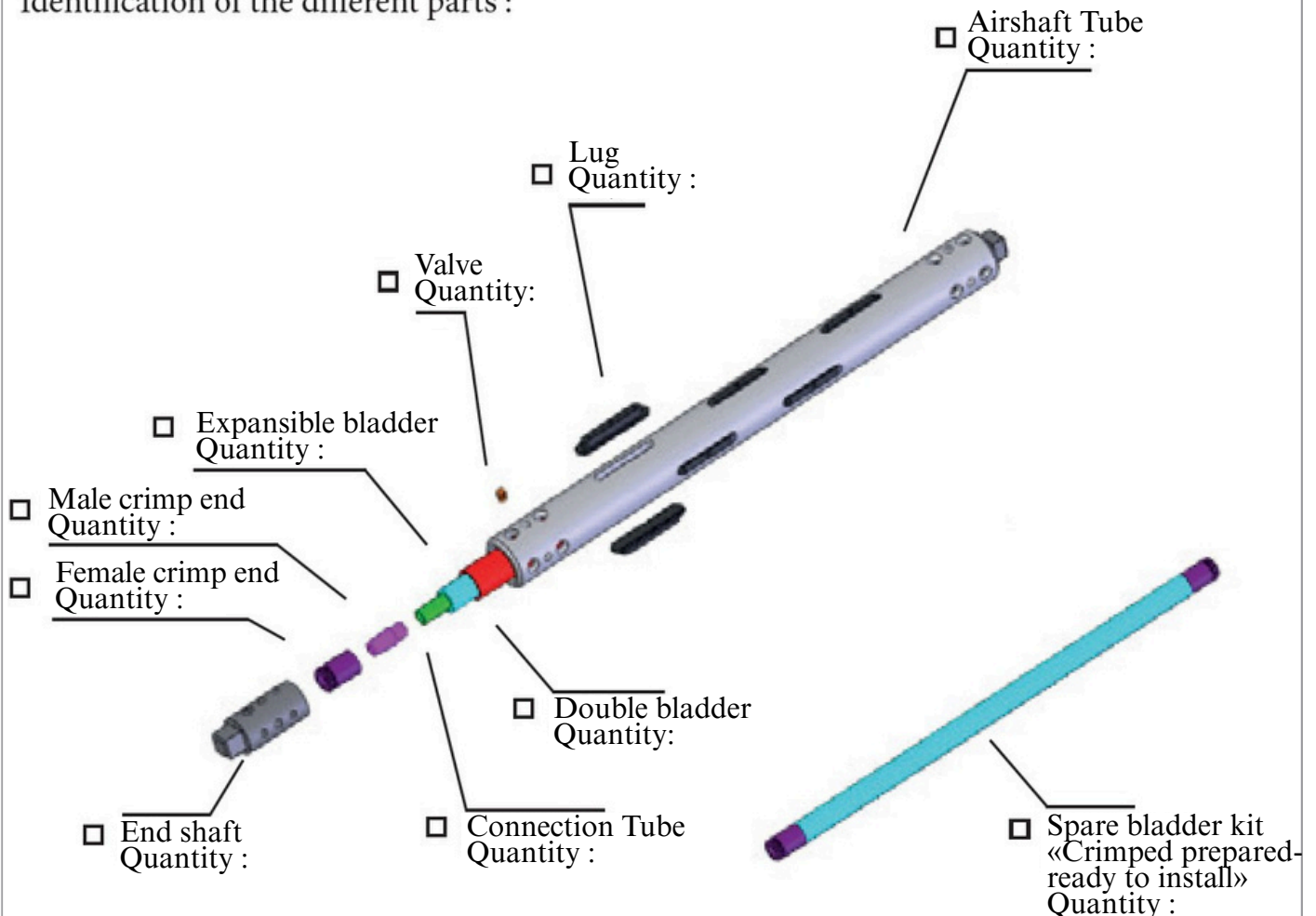
MBC
Guttin

Purchase Order

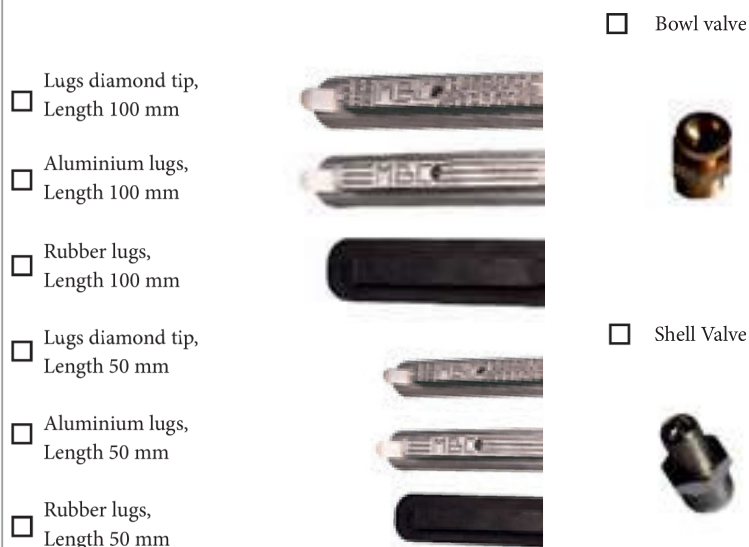
Spare Parts - Safety Chuck MBC

- Name of the company :
- Department :
- Person in charge :
- Email Address:

Identification of the different parts :



Identification of the Spare parts :



Airshaft identification :

An airshaft number is punched under the MBC Guttin sticker glued to the airshaft.

It can also be visible on the edge of the airshaft.

MBC Number :
(essential)

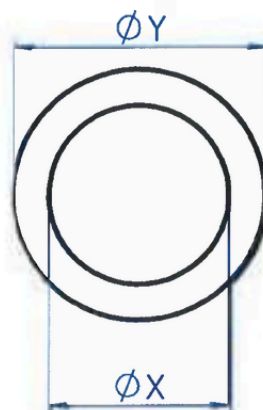
SPARE PARTS FOR EXPANSIBLE SHAFTS WITH LUGS

EXPANSIBLE BLADDER

X	Y	Ref:
10	14	VT 1014
12	17	VT 1217
12	20	VT 1220
15	25	VT 1525
20	30	VT 2030
25	35	VT 2535
30	40	VT 3040
40	50	VT 4050
45	55	VT 4555
50	60	VT 5060
60	70	VT 6070
80	95	VT 8095
100	110	VT 100110

EXPANSIBLE DOUBLE BLADDER (MBC PATENT)

X	Y	Ref:
33	37	DP 3337
38	42	DP 3842
58	64	DP 5864

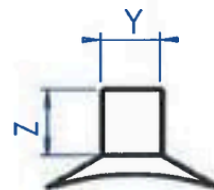


ALUMINIUM LUGS WITH RETURN SPRING

X	Y	Z	Ref:
50	10	12.5	CAL 5010-125
50	12	13.5	CAL 5012-135
50	12	15	CAL 5012-150
100	12	13.5	CAL 10012-135
100	12	15	CAL 10012-150

ALUMINIUM LUGS WITH RETURN SPRING AND POINT OF A DIAMOND

X	Y	Z	Ref:
50	12	13.5	CAL 5012-135 PD
50	12	15	CAL 5012-150 PD
100	12	13.5	CAL 10012-135 PD
100	12	15	CAL 10012-150 PD

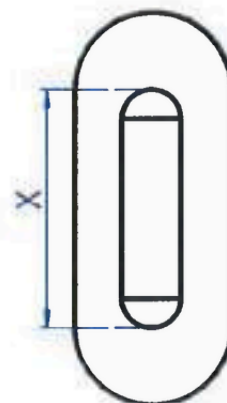


STEEL LUGS WITH RETURN SPRING

X	Y	Z	Ref:
100	12	13.5	CAC 10012-135
100	12	15	CAC 10012-150

STEEL LUGS POINT OF A DIAMOND WITH RETURN SPRING

X	Y	Z	Ref:
100	12	13.5	CAC 10012-135 PD
100	12	15	CAC 10012-150 PD



RUBBER LUGS

X	Y	Z	Ref:
50	10	13.5	CCA 5010-135
50	12	13.5	CCA 5012-135
50	12	15	CCA 5012-150
100	12	13.5	CCA 10012-135
100	12	15	CCA 10012-150
200	12	13.5	CCA 20012-135
200	12	15	CCA 20012-150

[Others on request](#)

BOWL VALVE

Threading -10x100 ref: VC 10100 MBC standard mounting

-1/8 Npt ref: VC 1/8 Npt

-3/8 Npt High flow ref: VC3/8 GD

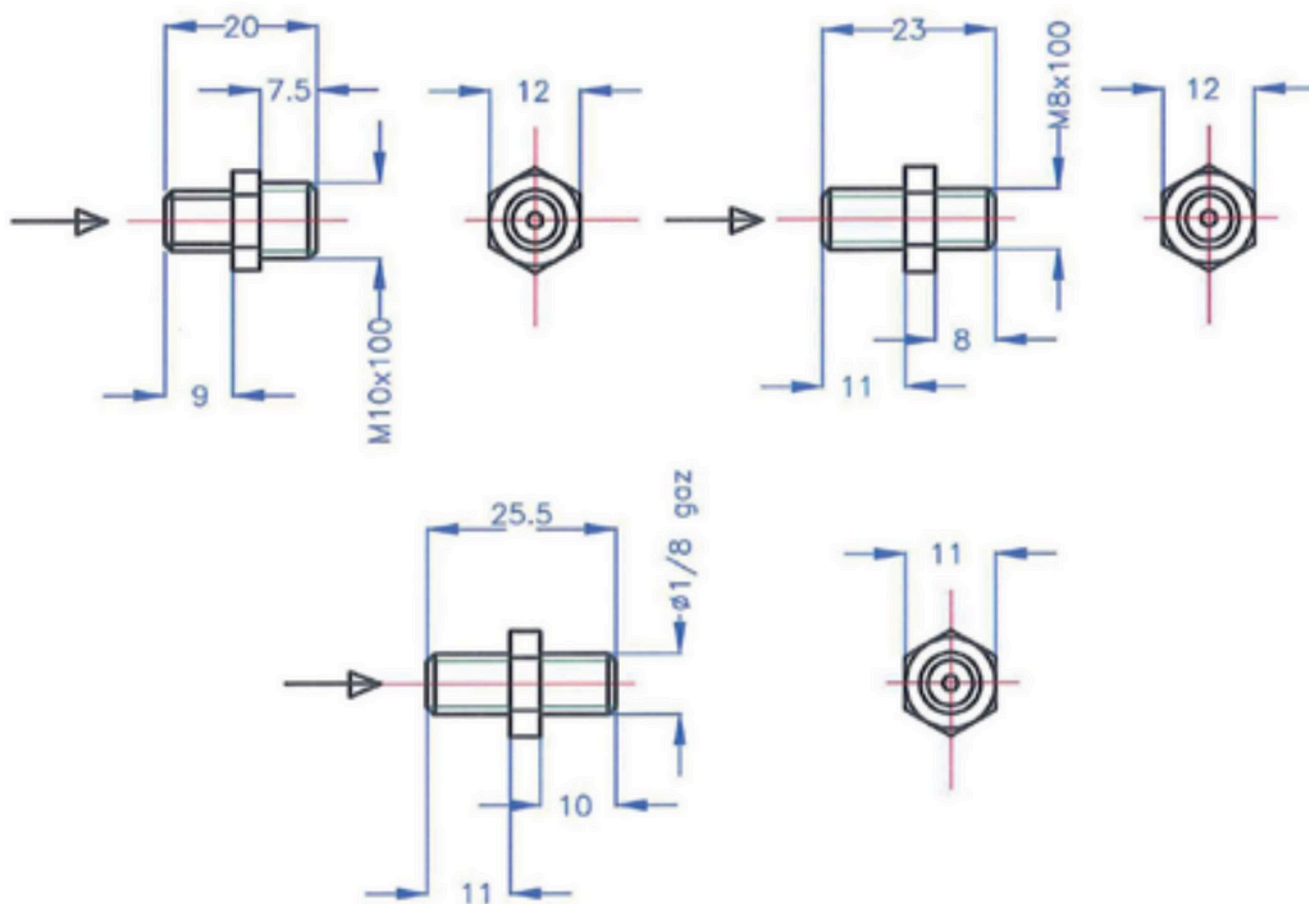
SHELL VALVE

Threading -10x100 ref: VO 10100

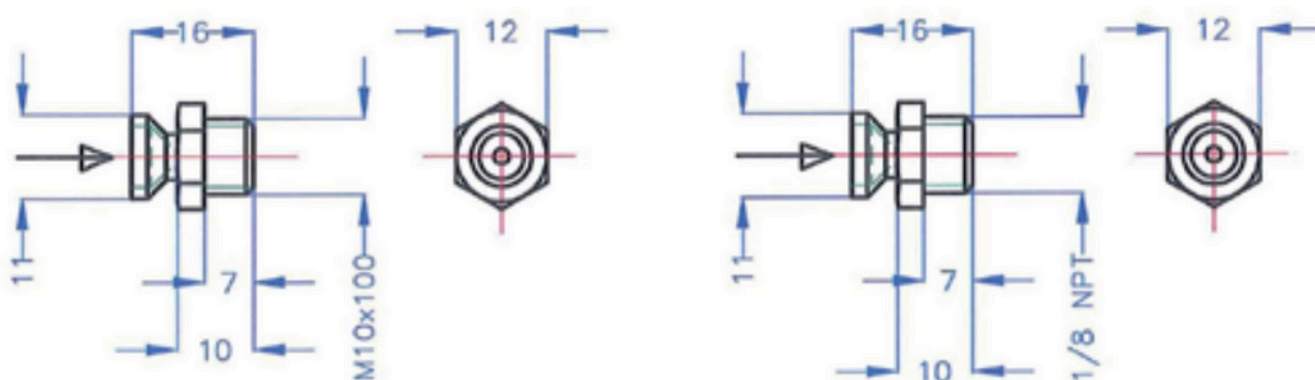
-8x100 ref: VO 8100

-1/8 Gaz ref: VO 1/8 Gaz

MBC
Guttin



SHELL VALVE



STANDARD MBC

BRASS BOWL VALVE

DESCRIPTION :

**INFLATION VALVES FOR
EXPANSIBLE AIRSHAFT**

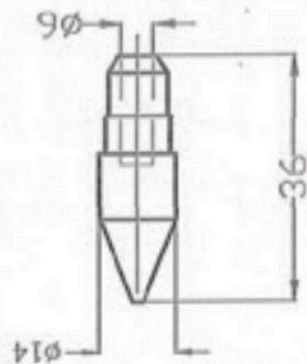
MBC Gutlin



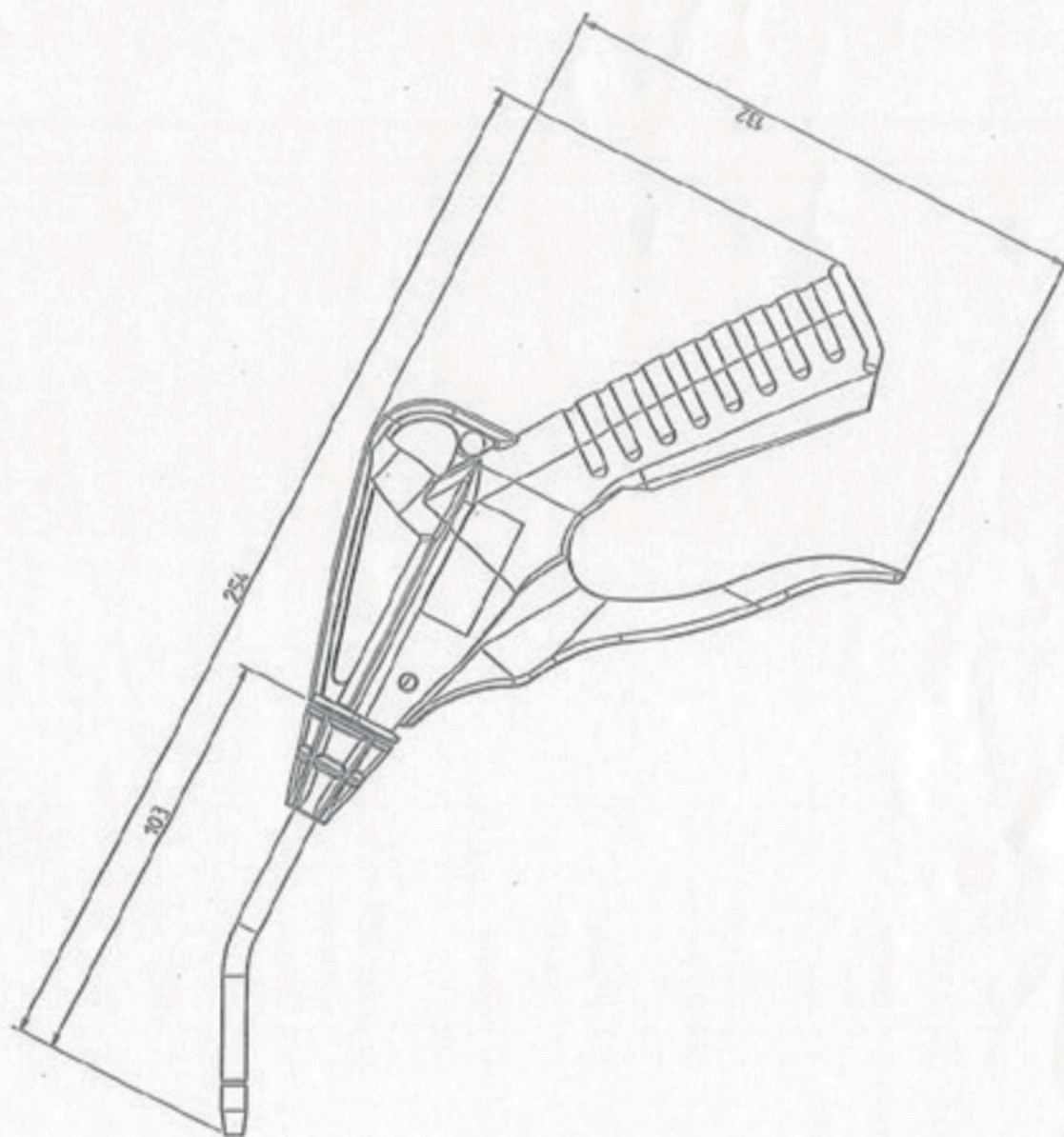
DATE:
05/02/99

MATIERE

N°: _____



CLIP-ON ENDSHAFT



SET :
AIR GUN FOR EXPANSIBLE AIRSHAFT

MBC *Quality*

N° :

Matiere

DATE:



Further Information

News-What is a High strength aluminium ?

R&D : Performance Research and new product development:
From Carbon to Steel to Aluminium!

Our R&D enables us to develop a High strength aluminium airshaft.

Advantages

- + Airshaft weight maintained
- + Permissible Load increased
- + Reduced bending
- + More resistant



- Inspired by the Aeronautics Industry with which we have worked for years, we used an aluminium alloy with better technical characteristics than a standard aluminium alloy.
- More resistant to bending, able to withstand larger and lighter loads! Opting for this airshaft design will surely save you from using steel airshafts, which are not always necessary and can be very heavy.
- Make your operator's life easier by providing them with lighter equipment and reducing handling frequencies.
- Optimize your production capacity by increasing the weight of your rolls, thereby reducing airshaft changes.
- Facilitate your maintenance : Available with the Double skin MBC Patent. Save up to 30 minutes when changing your bladder kit.
- Always a product 100% made in France !



Lightness : MBC Guttin thinks of your users !

Development of an Airshaft with High-Strength Aluminium

Advantages

- An airshaft developed in 2016
- Very good customer feedback
- Available **with** its MBC Patent double skin
- Allows for an airshaft weight below 25 kg (*under studies)
- Specifications :

35 % additionnal load

40 % less bending

(For the same weight as a standard aluminium airshaft)

AIRSHAFT WITH LUGS



Available for a core diameter 70 mm and 76 mm

Comparison to a standard tube

Comparison	Aluminium Tube	Reinforced Aluminium Tube	Carbon Tube	Steel tapered Tube
Load	/	+ 35 %	+ 75 %	+ 150 %
Bending Load	/	- 40 %	- 50 %	- 60 %
Tube weight ø 74 mm	4.9 Kg/m	4.9 Kg/m	2.7 Kg/m	13.6 Kg/m
Load Example	527 Kg	738 Kg	944 Kg	1448 Kg

Example of load calculated with an airshaft ø 74 mm – L 2000 mm and a web of 1800 mm

Disassembly and maintenance

ASSEMBLY AND DISASSEMBLY MANUAL FOR EXPANDABLE AIRSHAFTS WITH CONTINUOUS FILLETS

As part of routine maintenance, **tighten all cleats once per month.**

Replacement of inflation membrane :

Disassembly :

- Step 1 – Remove inflation valve no. 5
- Step 2 – Remove parts no. 3 and no. 4 from the shaft end by unscrewing screw no. 18
- Step 3 – Unscrew and remove the locking nuts no. 11, no. 12, and no. 13
- Step 4 – Remove the continuous fillets no. 9
- Step 5 – Remove part no. 6 on the jet side no. 8
- Step 6 – Remove the defective membrane

Reassembly :

- Step 7 – Install the continuous fillets no. 9
- Step 8 – Reinstall the locking nuts no. 13, no. 12, and no. 11
- Step 9 – Reinstall parts no. 3 and no. 4
- Step 10 – Reinstall the inflation valve no. 5

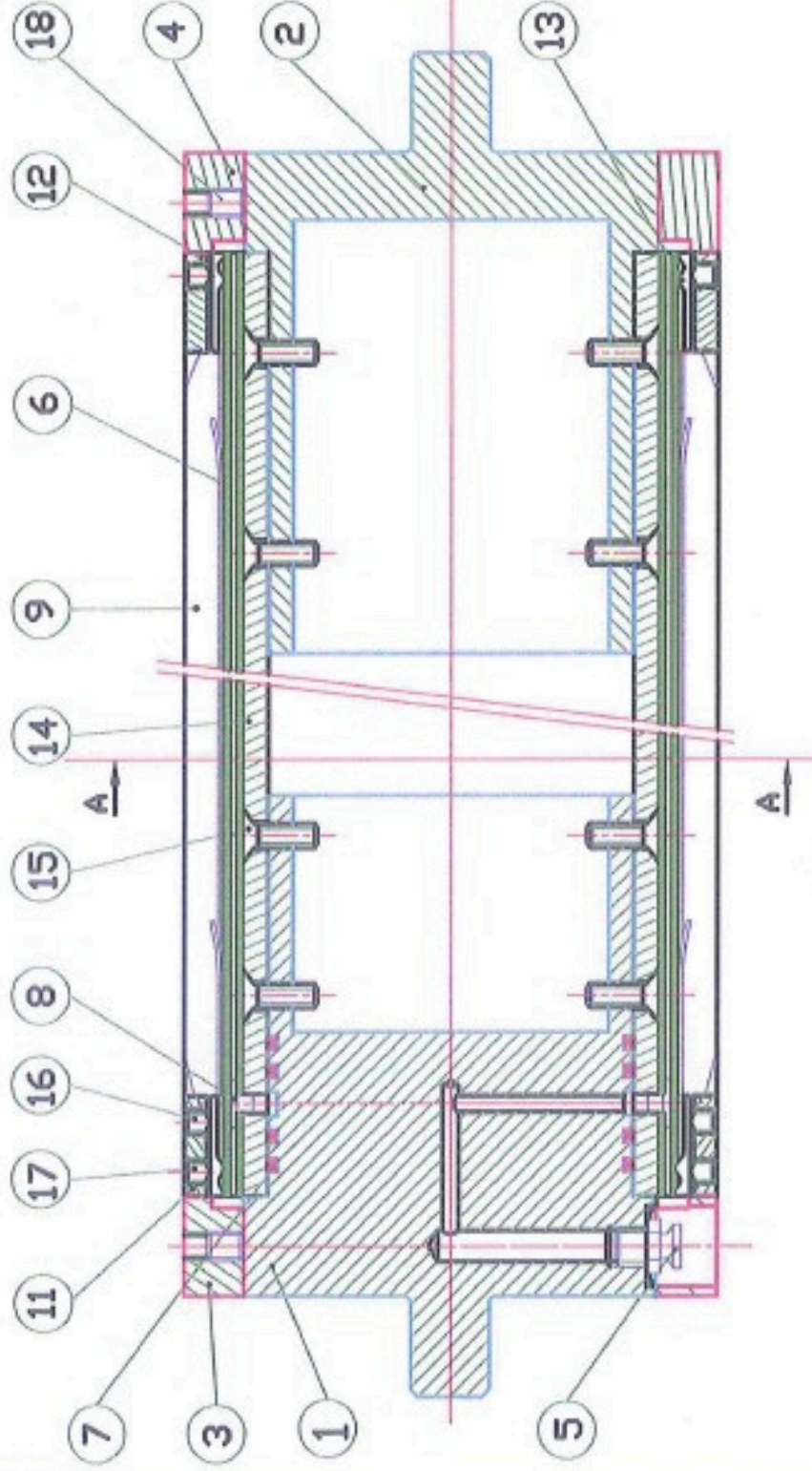
Replacement of Shaft End :

Disassembly :

- Step 1 – Remove inflation valve no. 5
- Step 2 – Remove parts no. 3 and no. 4 from the shaft end by loosening screw no. 18
- Step 3 – Remove locking nuts no. 11, no. 12, and no. 13
- Step 4 – Remove continuous fillets no. 9
- Step 5 – Remove membrane no. 6 on the jet side no. 8
- Step 6 – Remove protective membrane no. 10
- Step 7 – Remove the fixing screw securing shaft end no. 15
- Step 8 – Extract the shaft end by gently heating the outer diameter of the tube to allow thermal expansion

Reassembly :

- Step 9 – Install the new shaft end along with the new Viton O-ring
- Step 10 – Gently heat the outer diameter of the tube to facilitate insertion of the new shaft end
- ⚠ Ensure the correct angular positioning of the shaft end before final tightening
- Step 11 – Reinstall the fixing screw for shaft end no. 15
- Step 12 – Reinstall protective membrane no. 10
- Step 13 – Reinstall membrane no. 6
- Step 14 – Reinstall locking nuts no. 13, no. 12, and no. 11
- Step 15 – Reinstall parts no. 3 and no. 4
- Step 16 – Reinstall inflation valve no. 5



SECTION A-A 10

1	END WITH VALVE	1	10	PROTECTION MEMBRANE	8
2	END	1	11	JET CLAMPING PART	8
3	RING FOR VALVE	1	12	CLAMPING PART	8
4	RING	1	13	AIRTIGHT	16
5	VALVE	1	14	TUBE	1
6	MEMBRANE	8	15	SCREW FHC M8X12	16
7	O-RING VITON $\phi 100 \times 3$	4	16	SCREW ST BP	8
8	JET	8	17	SCREW ST BP	16
9	CONTINUOUS FILLETS	8	18	SCREW STHC M8X10	4

SET :

EXPANSIBLE AIR SHAFT
WITH CONTINUOUS FILLETS

MBC Gurtin



DATE: 03/05/01

MATERIAL

N°: 32001

INSTRUCTIONS FOR DISASSEMBLY AND ASSEMBLY EXPANDABLE AIRSHAFTS MBC WITH LUGS

Replacement of the spare bladder kit :

For airshafts equipped with the Double Skin System, refer directly to step 2.
The MBC Patent «Double Skin» saves you 10 to 30 min. during maintenance, enjoy the time savings..!

Advantages

- + MBC Guttin Patent
- + Holds the lugs when changing the bladder kit
- + Bladder kit protection

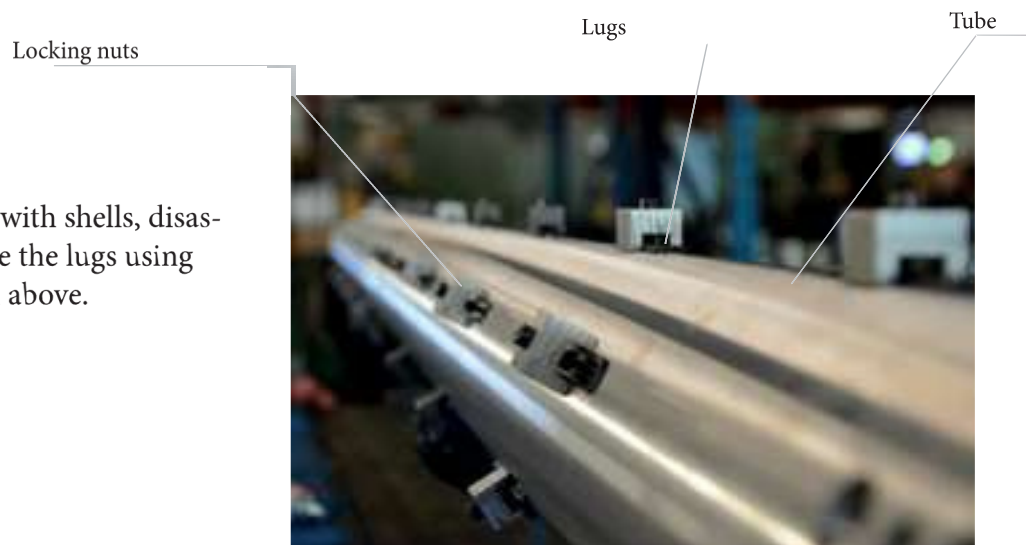


For airshafts **not equipped** with the Double skin system (or double bladder):
Caution ! The lugs may fall into the tube, they must be secured.

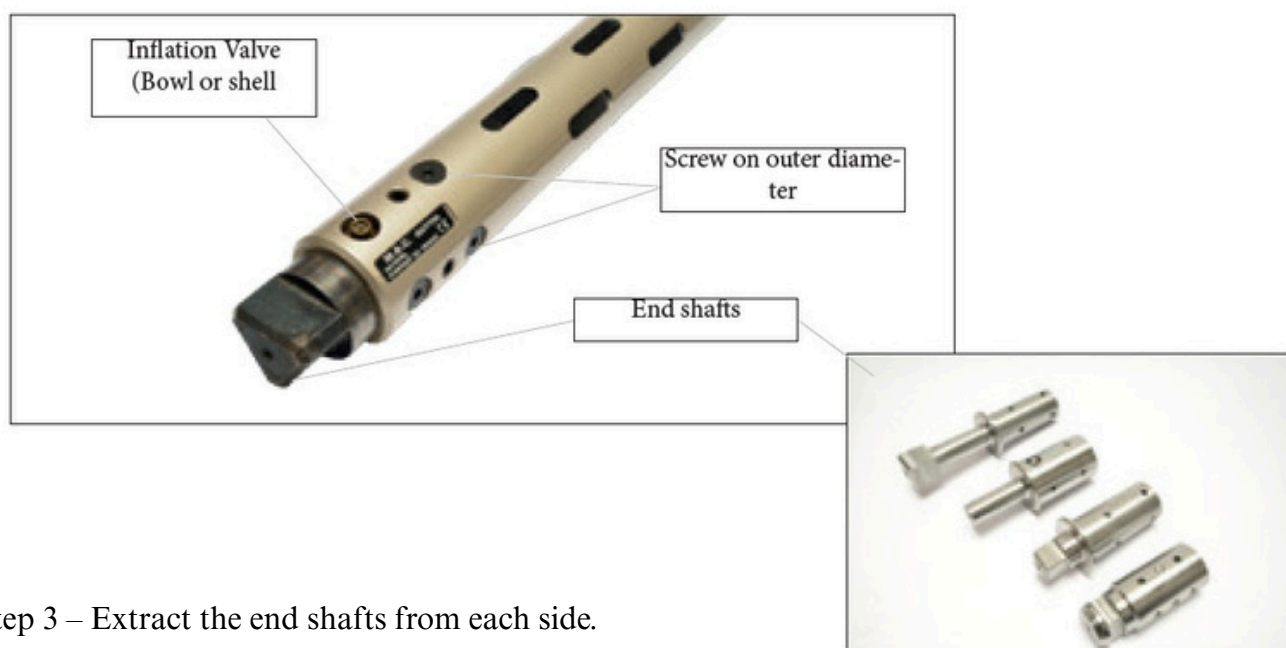
Step 1 - Immobilize the lugs with the locking nuts to lock them in the open position using the M5 tapping located in the center of each lugs.

Note :

For expansible airshaft with shells, disassemble these and secure the lugs using the locking nuts shown above.



Step 2 – Remove the screws at the ends of the bar located on the outer diameter and the inflation valve.



Step 3 – Extract the end shafts from each side.

Step 4 – Remove the bladder-side inflation assembly with its support.

Step 5 – If you are only replacing the bladder (i.e., using the ready-to-install bladder kit), proceed directly to Step 10

Step 6 – Remove the two sealing parts from the bladder by inserting an M10 threaded axle into the air hole after removing the two Allen screws securing these parts. Then separate the two parts using the principle of a hub puller. Repeat this process at both ends of the bladder.

Step 7 – If the shaft diameter is larger than 152 mm, cut the metal ties, replace the bladder, and then reattach the ties. Afterwards, proceed to Step 10.

Step 8 – Disassemble the damaged bladder.

Step 9 – Crimp the new bladder.

Step 10 – Reinstall the bladder.

Step 11 – Reposition the end shafts.

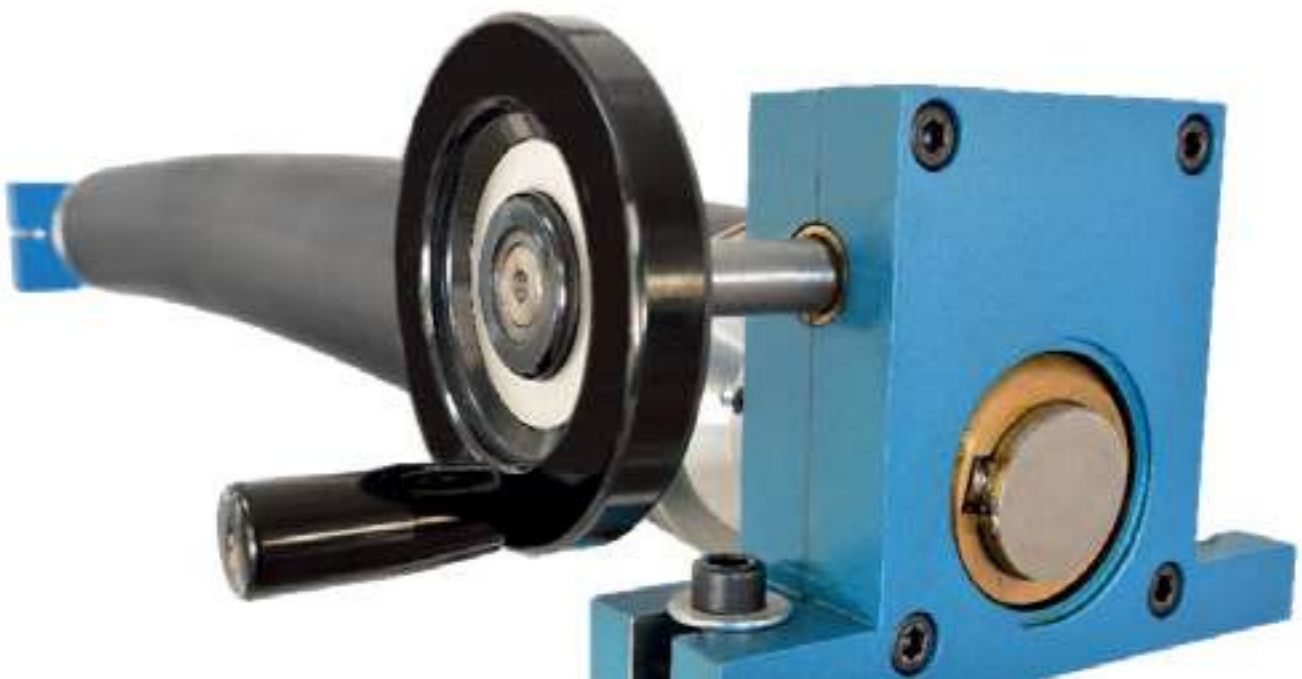
Step 12 – Reinstall the screws.

Step 13 – (Optional) Loosen the locking nuts to release the lugs.

More Information

VI. SPREADER ROLLS

SPREADER ROLLS



Get the best smoothing for your product.

Good smoothing is achieved by selecting the material best suited to your product and addressing any folding issues encountered.

MBC offers a range of 4 types of spreader rolls, each designed for specific applications.



Spreader Rolls

Curved spreader rolls or “Banana” rolls



Advantages

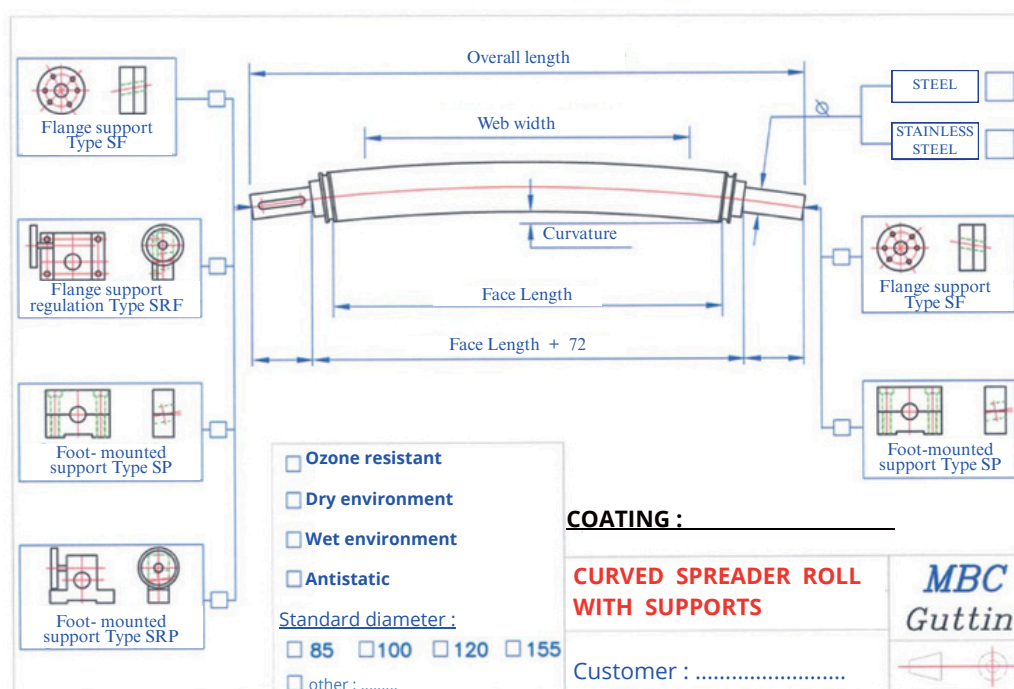
- + Operating by deformation
- + The most varied spreader roll (humidity, corrosive, etc,...)
- + Several type of covering and all chromed steel
- + Curvature variable or fixed

The most versatile spreader roll, the banana roll or curved spreader roll allows you to remove folds from your products.

Working through material deformation, it guarantees a reliable result.

Available options :

- Various covering coatings (ozone-resistant, sealed, reinforced, corrosive...)
- Stainless steel and steel
- Curvature orientation adjustment (regulated positioning)
- Foot or flange mounted support



MBC repairs and covering replacement for all your materials

Spreader Rolls

Curved spreader rolls with laths



Advantages

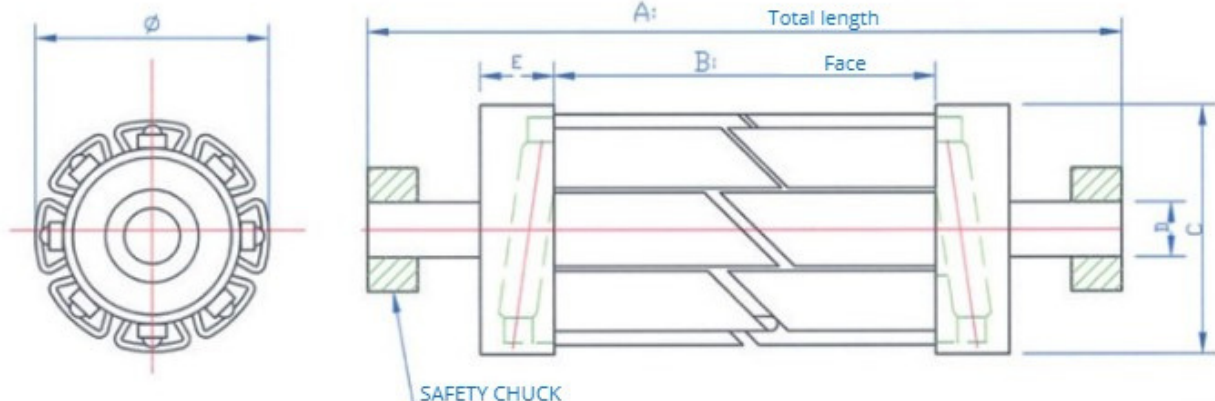
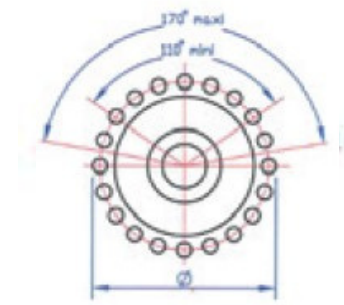
- + Operate by stretching
- + Suitable for heavy materials
- + Possible choice of laths coating

Working by stretching the material, the spreader roll with laths guarantees results for heavy and/or brittle materials.

There is no deformation of the product, ensuring smoothing that meets industry standards.

Type of options :

- Fixed angular position
- Diameter
- Foot or Flange mounted support
- Choice of the coating on stainless steel laths
- Possibility of motorization



- ☐ Dry Environment
- ☐ Wet Environment
- ☐ Temperature : ____
- ☐ Speed : ____
- ☐ Tension : ____
- ☐ Chemical products : ____

- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy Items
- ☐ Delicate Items
- Web width : ____

Ø	A	B	C	D	E
150			Ø165	Ø40 mini	60
170			Ø190	Ø40 mini	75
190			Ø205	Ø40 mini	75

Spreader Rolls

Spreader rolls with ropes

Advantages

- + Operate by stretching
- + Perfect for the technical textiles and delicate materials
- + Polyvent (film, plastic, etc...)
- + Several types of ropes

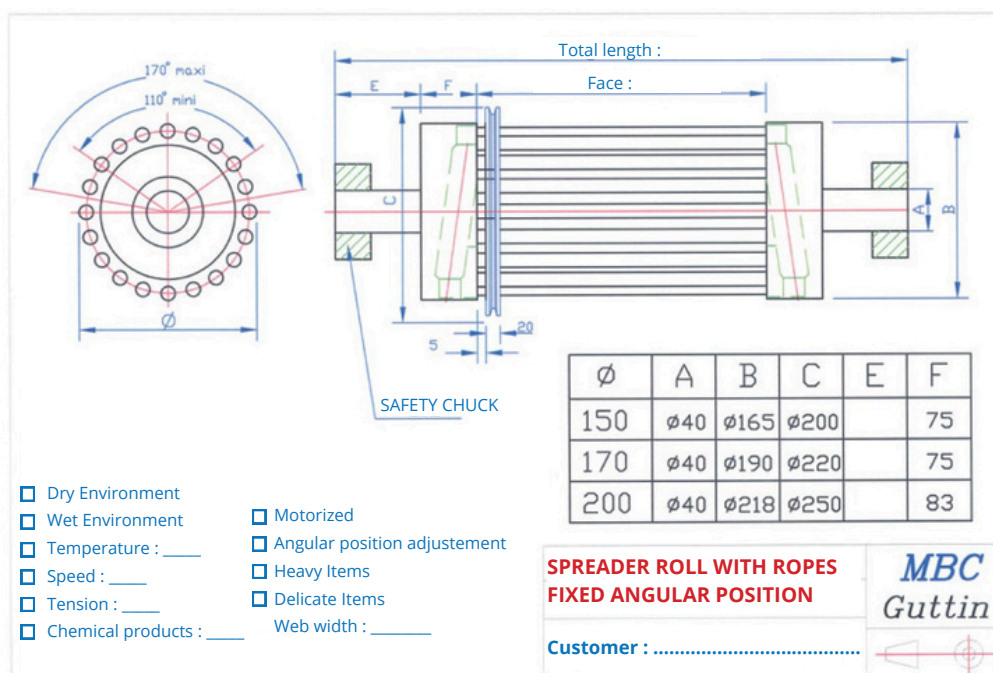


Operating by stretching the material, the spreader roll with ropes guarantees results for soft material such as technical textile or thick films.

No deformation of the product ensuring smoothing that meets industry standards.

Type of options :

- Fixed angular position
- Diameter
- Foot or Flange mounted support
- Choice of the type of ropes (silicone, polyurethane, or «umbrella» ropes in nitrine)
- Possibility of motorization



Spreader Rolls

Spreader screws

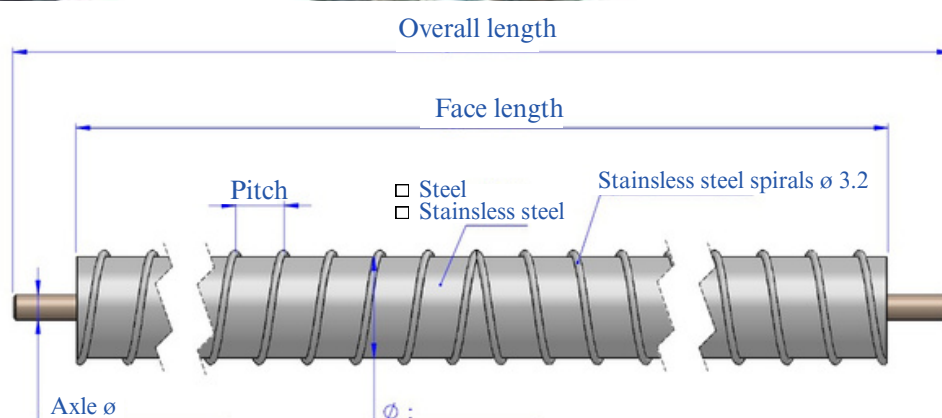
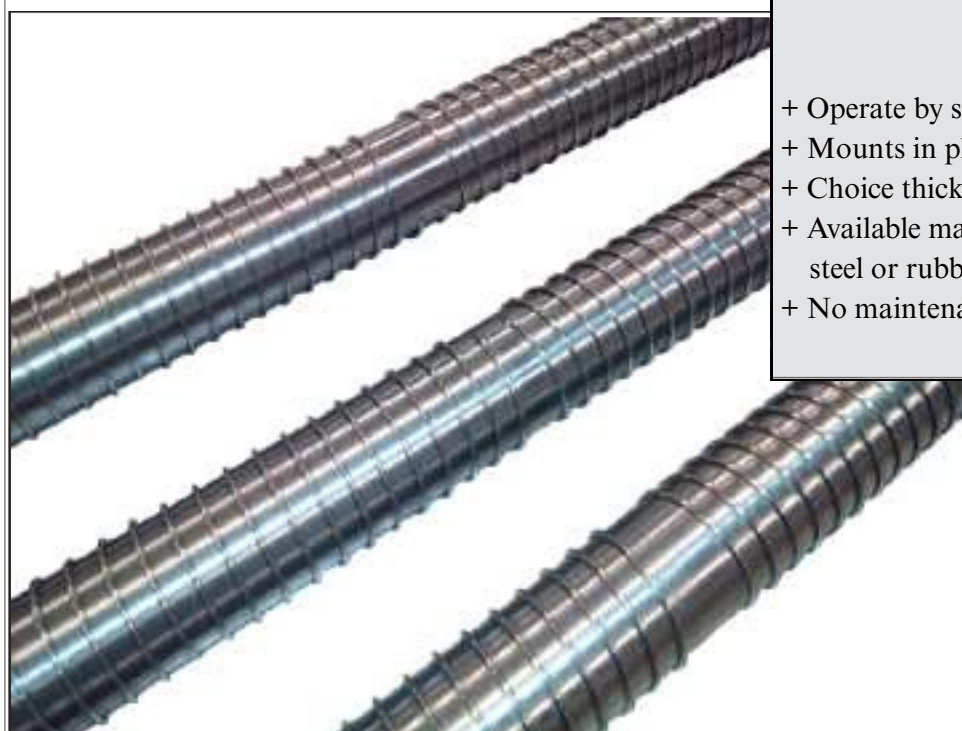
Advantages

- + Operate by stretching the material effortlessly
- + Mounts in place of the guiding rolls
- + Choice thickness or depth of the streaks
- + Available materials: steel, aluminium, stainless steel or rubber
- + No maintenance required

The spreader screw complements the spreader roll by providing consistent material tension, preventing the formation of folds during processing.

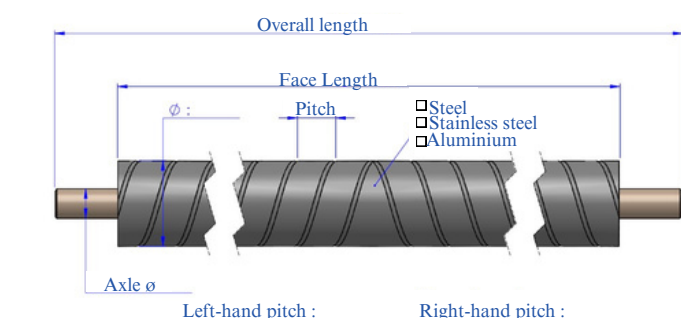
Depending on the type of material—whether related or processed spirals—various screw types are available to meet your specific needs.

The use of spreader screws ensures secure and reliable holding throughout the process.



Left-hand pitch : _____ Right-hand pitch : _____

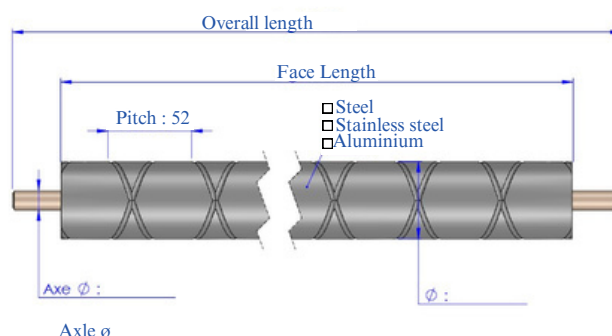
SPREADER ROLL WITH RELATED AND SOLDERED SPIRALS			
Matière:	Tolérances générales: ISO 2768 mK	Nb:	
Echelle:	Etat de surface général: 1.6		
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This document belong to MBC GUTTHIN. It cannot be reproduced and/or transmitted without authorisation.		Date: 09/07/25	Julien Gullon
MBC Guttin		Client :	Langue: Fr



Left-hand pitch : _____ Right-hand pitch : _____



SPREADER ROLL WITH MACHINED SPIRALS			
Matière:	Tolérances générales: ISO 2768 mK	Nb:	
Echelle:	Etat de surface général: 1.6		
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This document belong to MBC GUTTHIN. It cannot be reproduced and/or transmitted without authorisation.		Date: 09/07/25	Julien Gullon
MBC Guttin		Client :	Langue: Fr



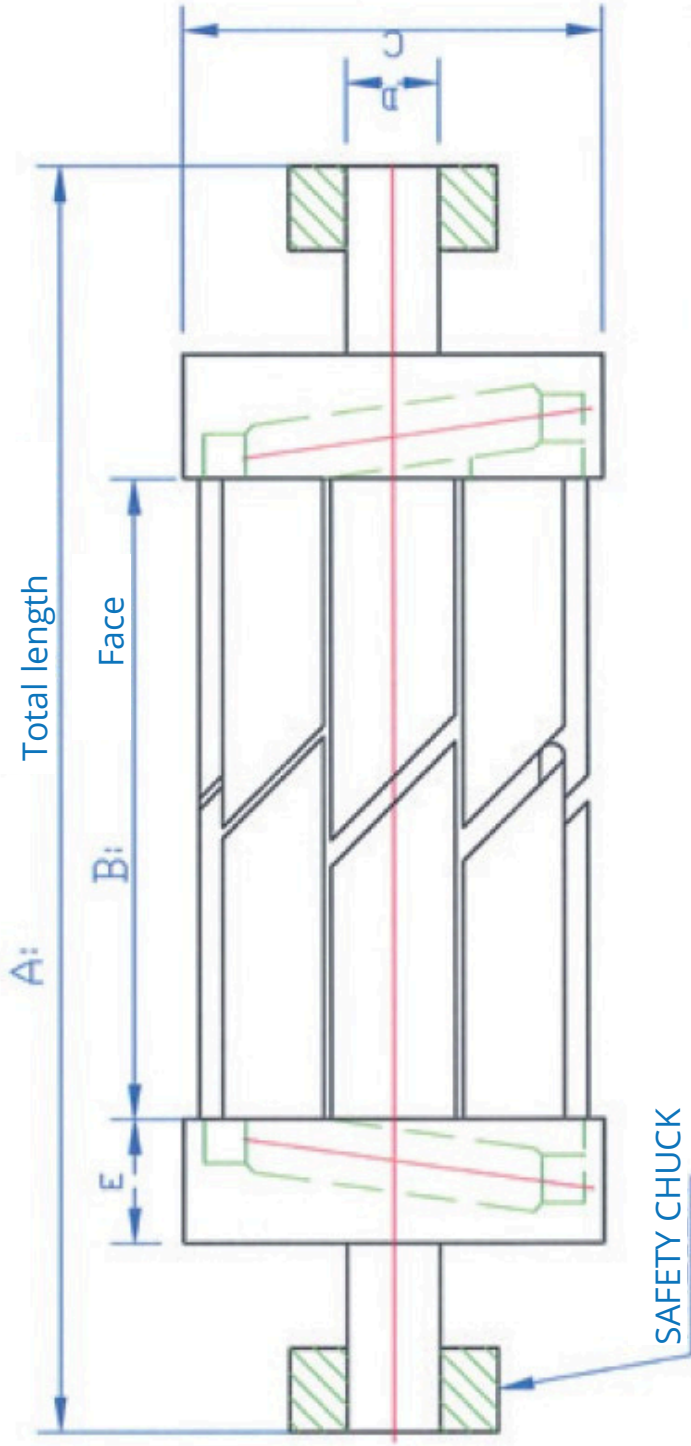
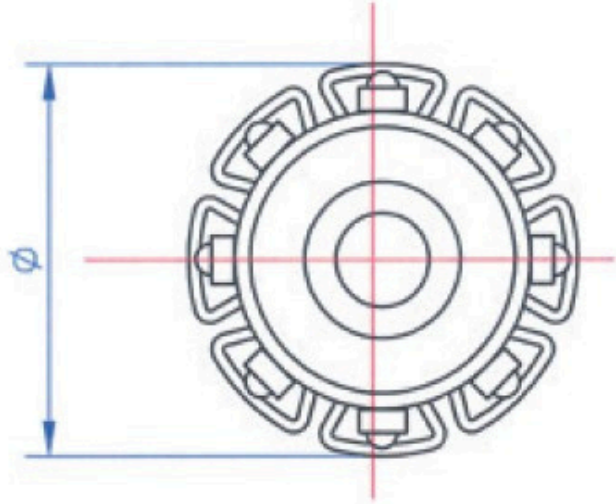
Axe ø :



GUIDING ROLL WITH AIR VENT, DOUBLE CROSSED MACHINED SPIRAL			
Matière:	Tolérances générales: ISO 2768 mK	Nb:	
Echelle:	Etat de surface général: 1.6		
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MBC Guttin		Client :	Langue: Fr

NOTES

Drawings for measurement taking



$\varnothing$	A	B	C	D	E
150			$\varnothing 165$	$\varnothing 40$ mini	60
170			$\varnothing 190$	$\varnothing 40$ mini	75
190			$\varnothing 205$	$\varnothing 40$ mini	75

- ☐ Dry Environment
- ☐ Wet Environment
- ☐ Temperature : _____
- ☐ Speed : _____
- ☐ Tension : _____
- ☐ Chemical products : _____

- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy Items
- ☐ Delicate Items
- Web width : _____

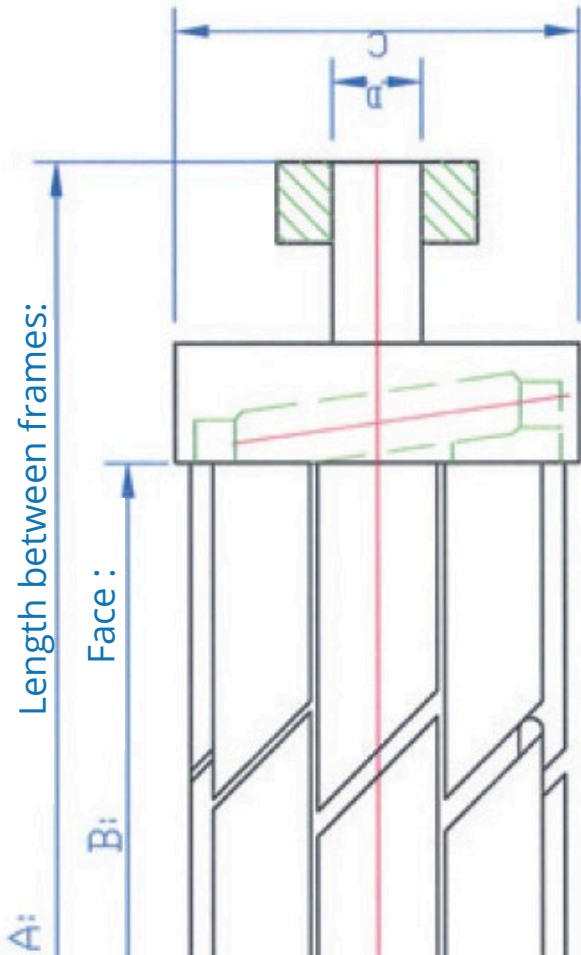
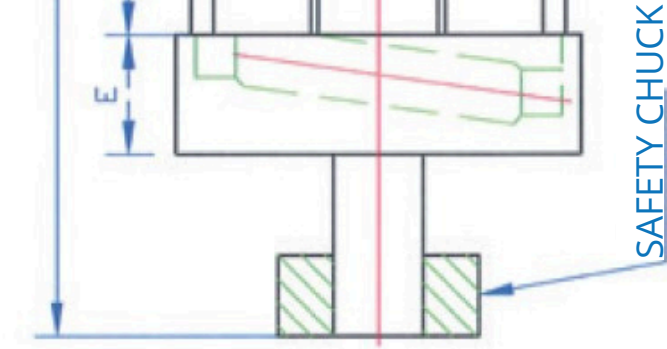
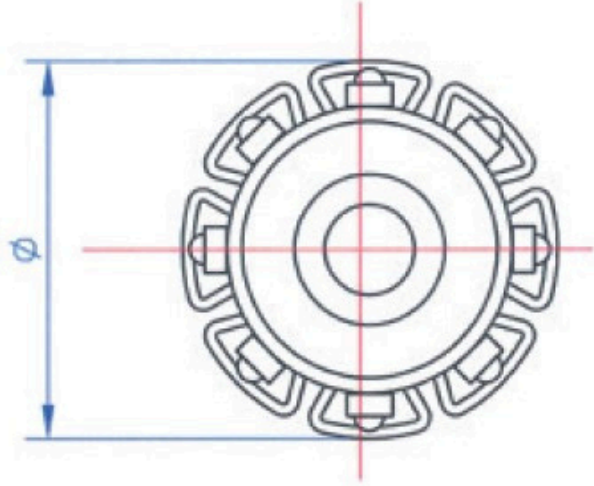
**SPREADER ROLL WITH LATHS
IN STAINLESS STEEL AND
FIXED ANGULAR POSITION**

MBC

Guttin



Customer :



Length between frames:

Ø	A	B	C	D	E
150			Ø165	Ø40 mini	60
170			Ø190	Ø40 mini	75
190			Ø205	Ø40 mini	75

- ☐ Dry Environment
- ☐ Wet Environment
- ☐ Temperature : _____
- ☐ Speed : _____
- ☐ Tension : _____
- ☐ Chemical products : _____

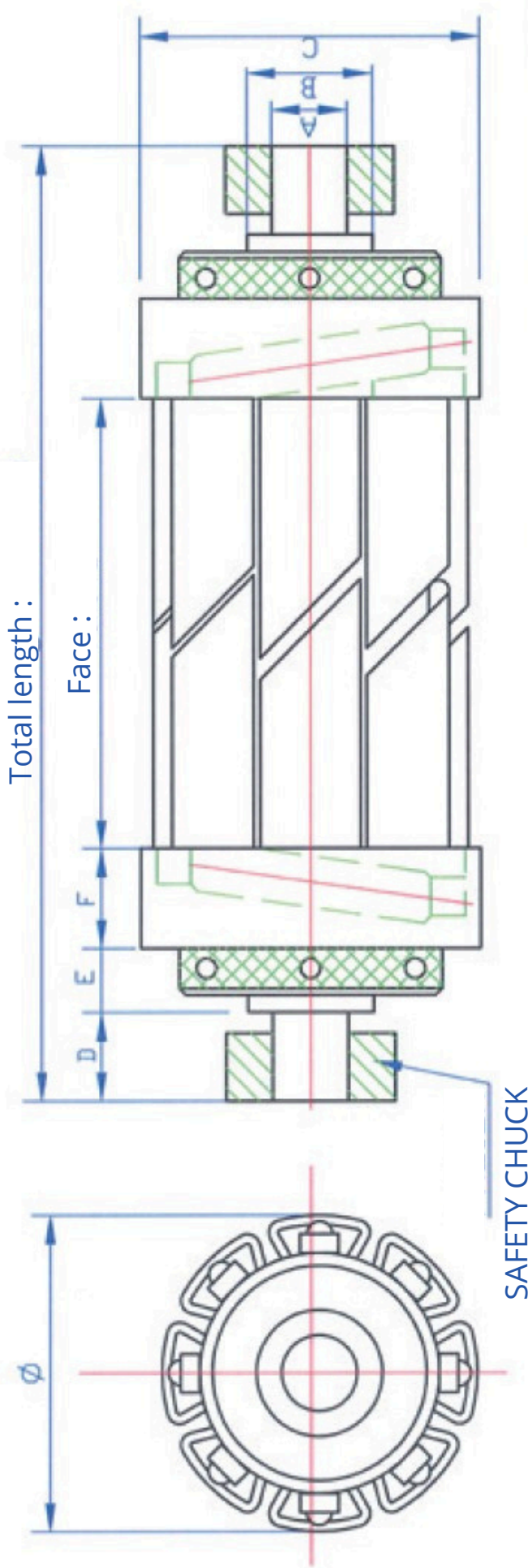
- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy Items
- ☐ Delicate Items
- Web width : _____

**SPREADER ROLL WITH LATHS IN
STAINLESS STEEL AND
ANGULAR POSITION ADJUSTMENT**

MBC
Guttin

Customer :





ø	A	B	C	D	E	F
150	ø40 mini	ø65	ø165	35 mini	37	124
170	ø40 mini	ø65	ø190	35 mini	37	124
190	ø40 mini	ø65	ø205	35 mini	37	124

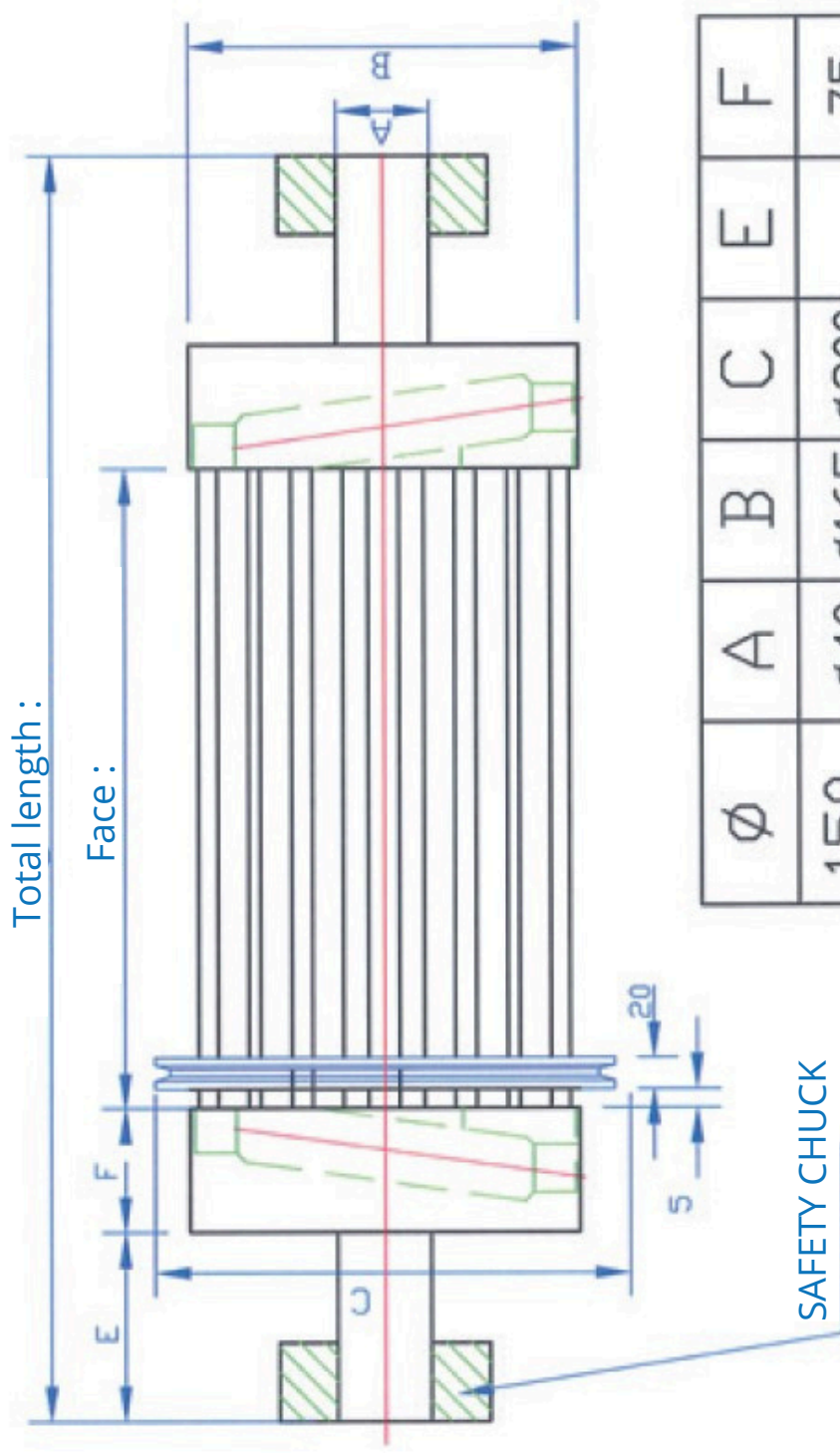
- ☐ Dry Environment
 ☐ Wet Environment
 ☐ Temperature : _____
 ☐ Speed : _____
 ☐ Tension : _____
 ☐ Chemical products : _____
- ☐ Motorized
 ☐ Angular position adjustment
 ☐ Heavy Items
 ☐ Delicate Items
 Web width : _____

**SPREADER ROLL WITH LATHS IN
STAINLESS STEEL AND
ANGULAR POSITION ADJUSTMENT**

MBC
Guttin

Customer :





Ø	A	B	C	E	F
150	Ø40	Ø165	Ø200		75
170	Ø40	Ø190	Ø220		75
200	Ø40	Ø218	Ø250		83

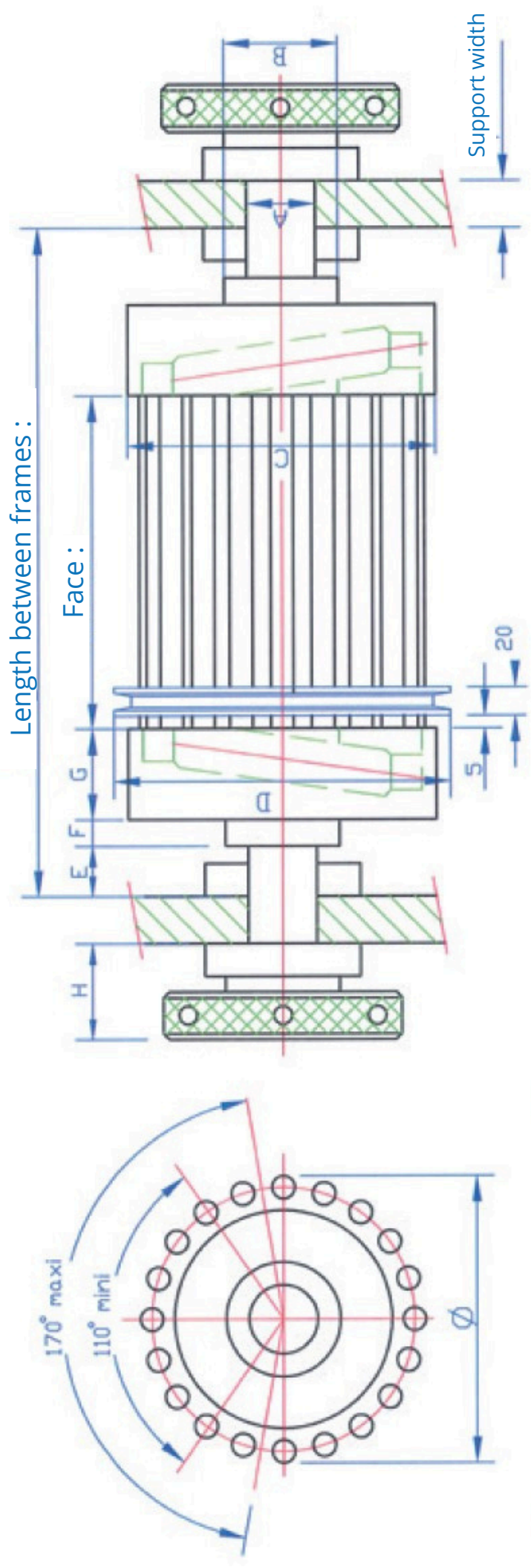
- ☐ Dry Environment
- ☐ Wet Environment
- ☐ Temperature : ____
- ☐ Speed : ____
- ☐ Tension : ____
- ☐ Chemical products : ____
- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy Items
- ☐ Delicate Items
- ☐ Web width : ____

SPREADER ROLL WITH ROPES
FIXED ANGULAR POSITION

MBC
Guttin

Customer :





- ☐ Dry Environment
- ☐ Wet Environment
- ☐ Temperature : _____
- ☐ Speed : _____
- ☐ Tension : _____
- ☐ Chemical products : _____
- ☐ Motorized
- ☐ Angular position ajustement
- ☐ Heavy Items
- ☐ Delicate Items
- ☐ Web width : _____

Ø	A	B	C	D	E	F	G	H
150	Ø40 mini	Ø65	Ø165	Ø200	40 mini	20	124	75
170	Ø40 mini	Ø65	Ø190	Ø220	40 mini	20	124	75
200	Ø40 mini	Ø65	Ø218	Ø250	40 mini	20	124	75

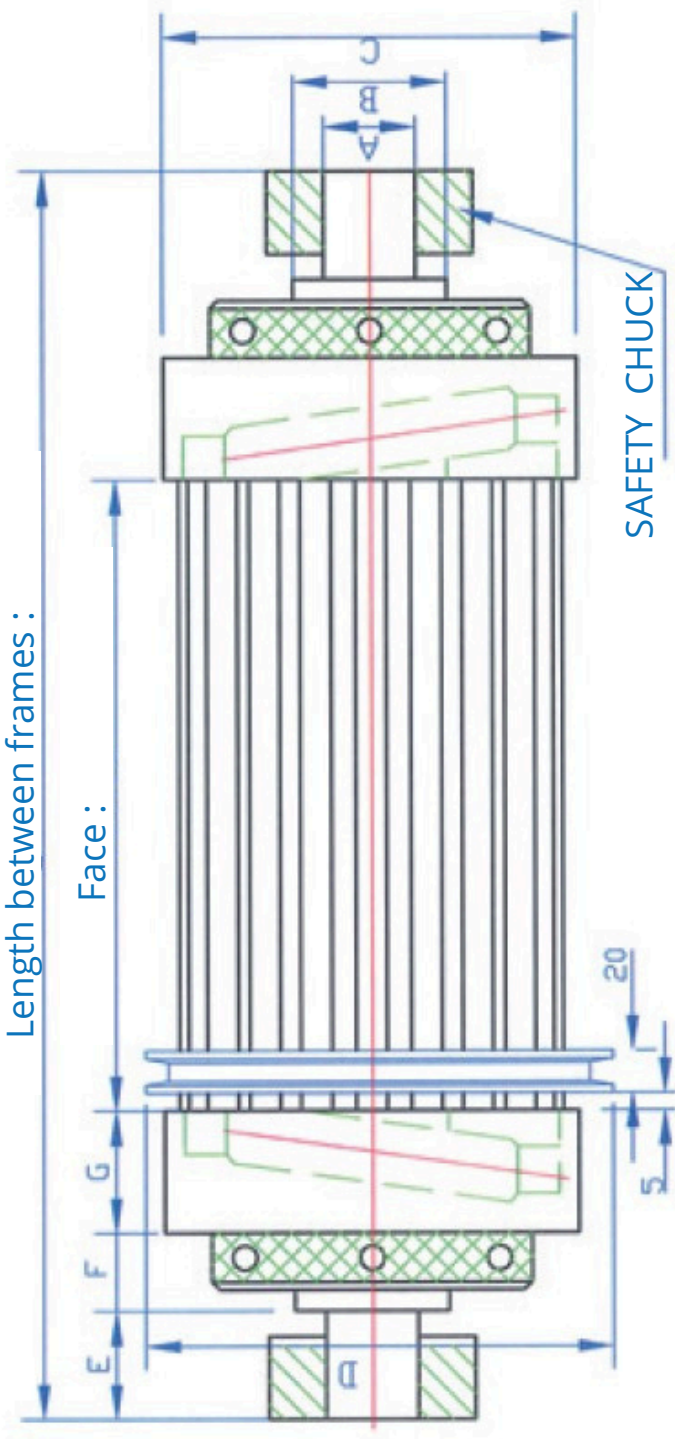
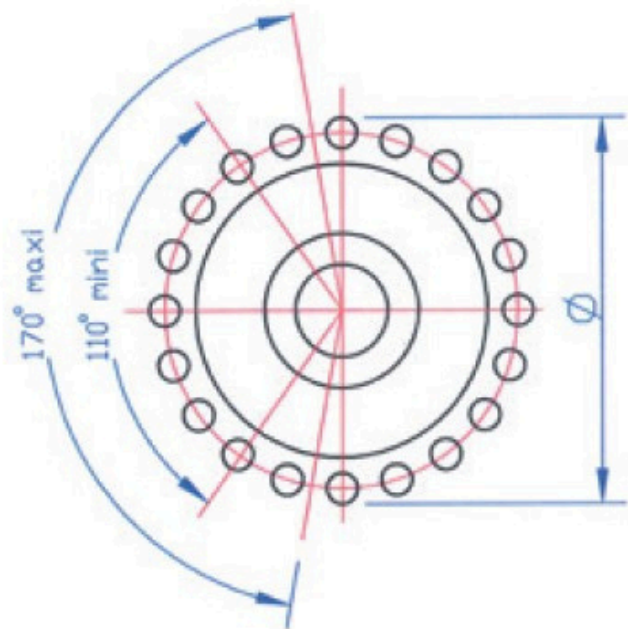
**SPREADER ROLL WITH ROPES AND
ANGULAR POSITION ADJUSTMENT**



Customer :

Length between frames :

Face :



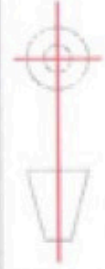
- ☐ Dry Environment
- ☐ Wet Environment
- ☐ Temperature : ____
- ☐ Speed : ____
- ☐ Tension : ____
- ☐ Chemical products : ____
- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy Items
- ☐ Delicate Items
- Web width : ____

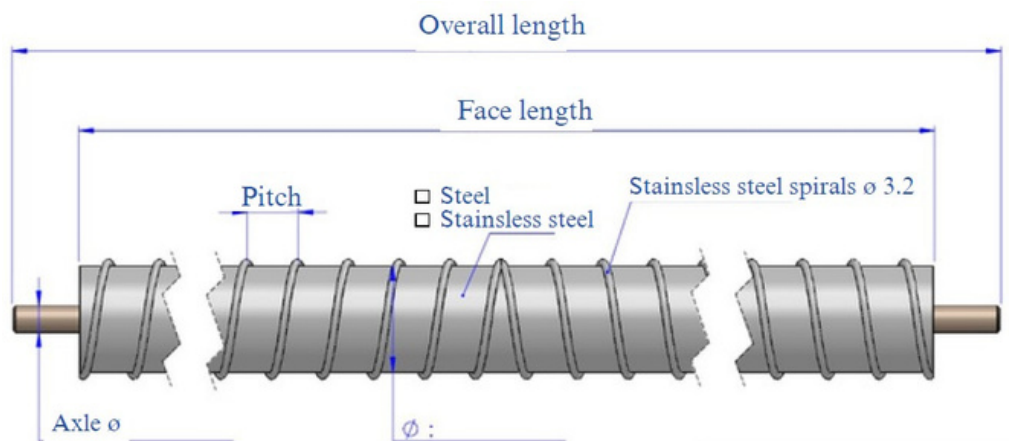
Ø	A	B	C	D	E	F	G
150	Ø40 mini	Ø65	Ø165	Ø200	35 mini	37	124
170	Ø40 mini	Ø65	Ø190	Ø220	35 mini	37	124
200	Ø40 mini	Ø65	Ø218	Ø250	35 mini	37	124

**SPREADER ROLL WITH ROPES AND
ANGULAR POSITION ADJUSTMENT**

MBC
Guttin

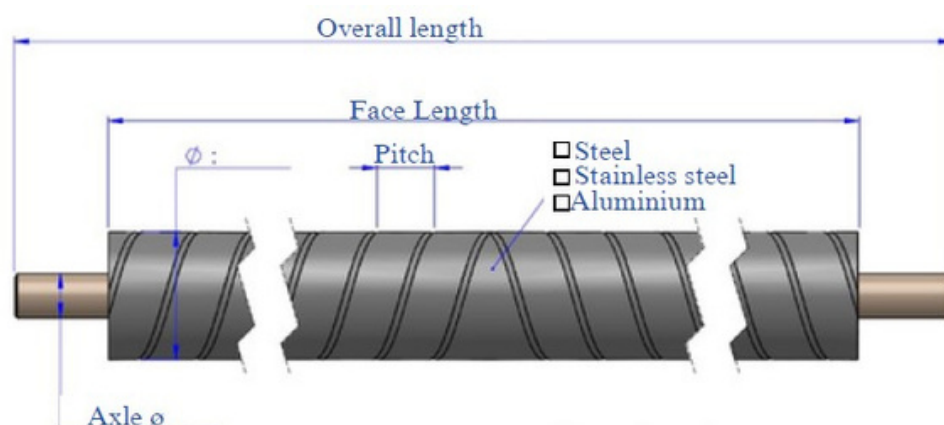
Customer :





Left-hand pitch : _____

Right-hand pitch : _____



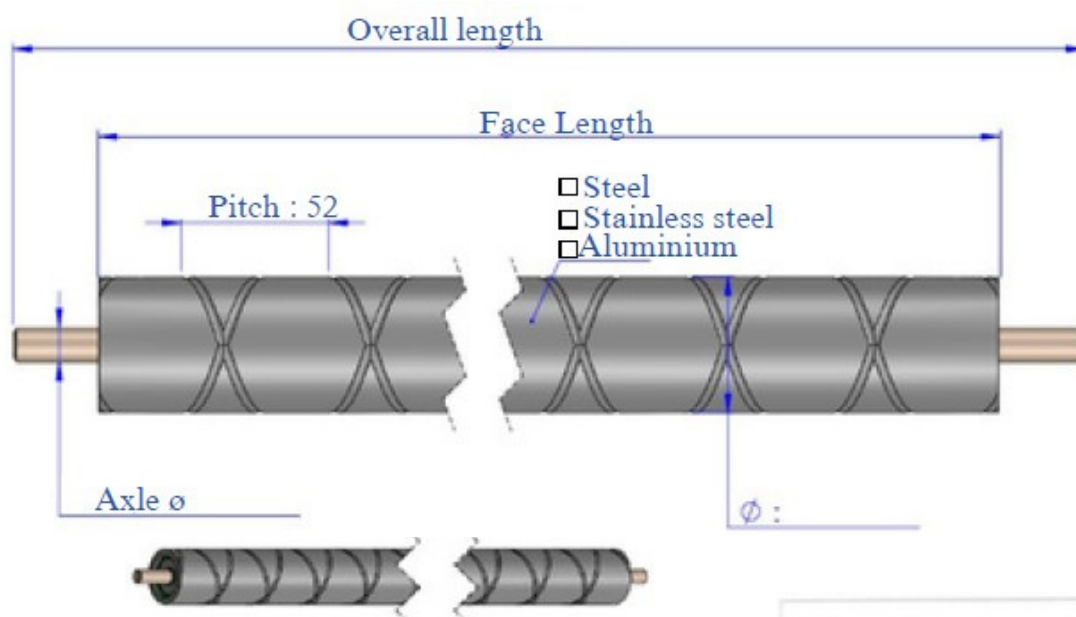
Left-hand pitch : _____

Right-hand pitch : _____

Left-hand pitch : _____ Right-hand pitch : _____



SPREADER ROLL WITH MACHINED SPIRALS

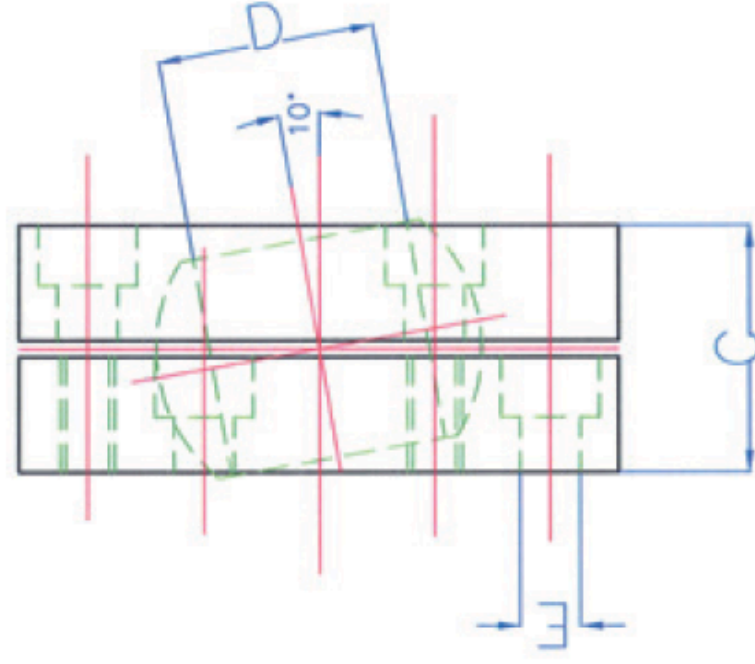
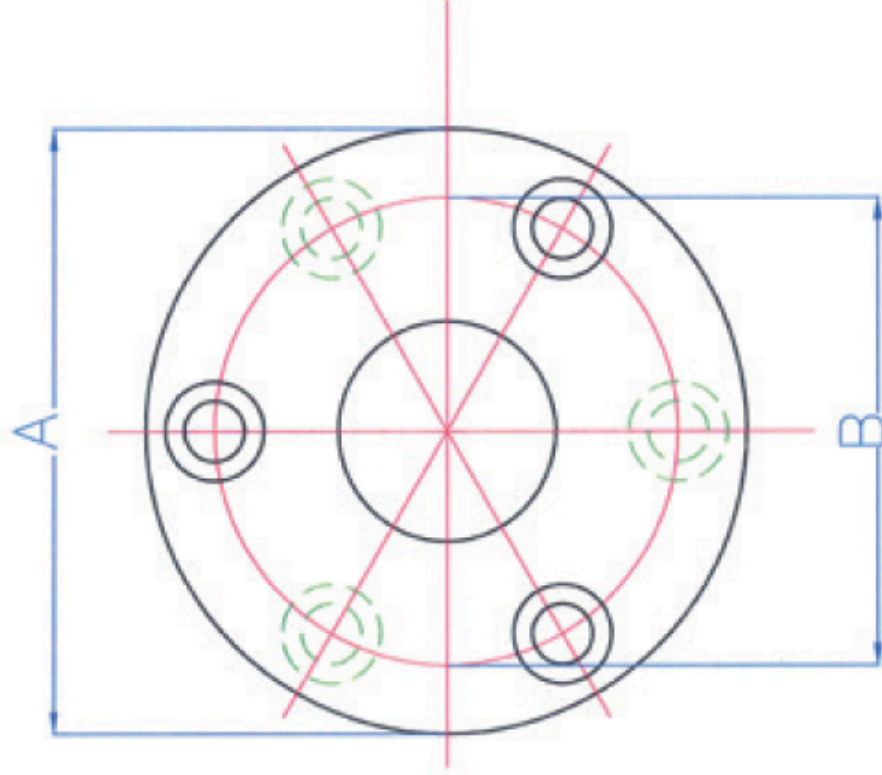


SPREADER ROLL WITH SPIRALS

MBC
Guttin

Customer :





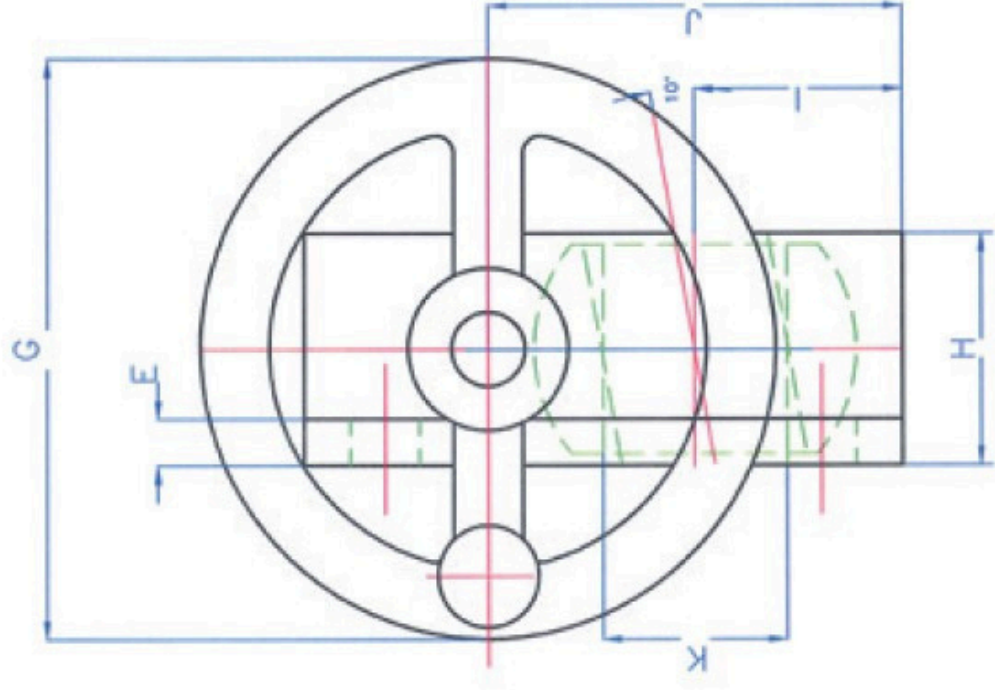
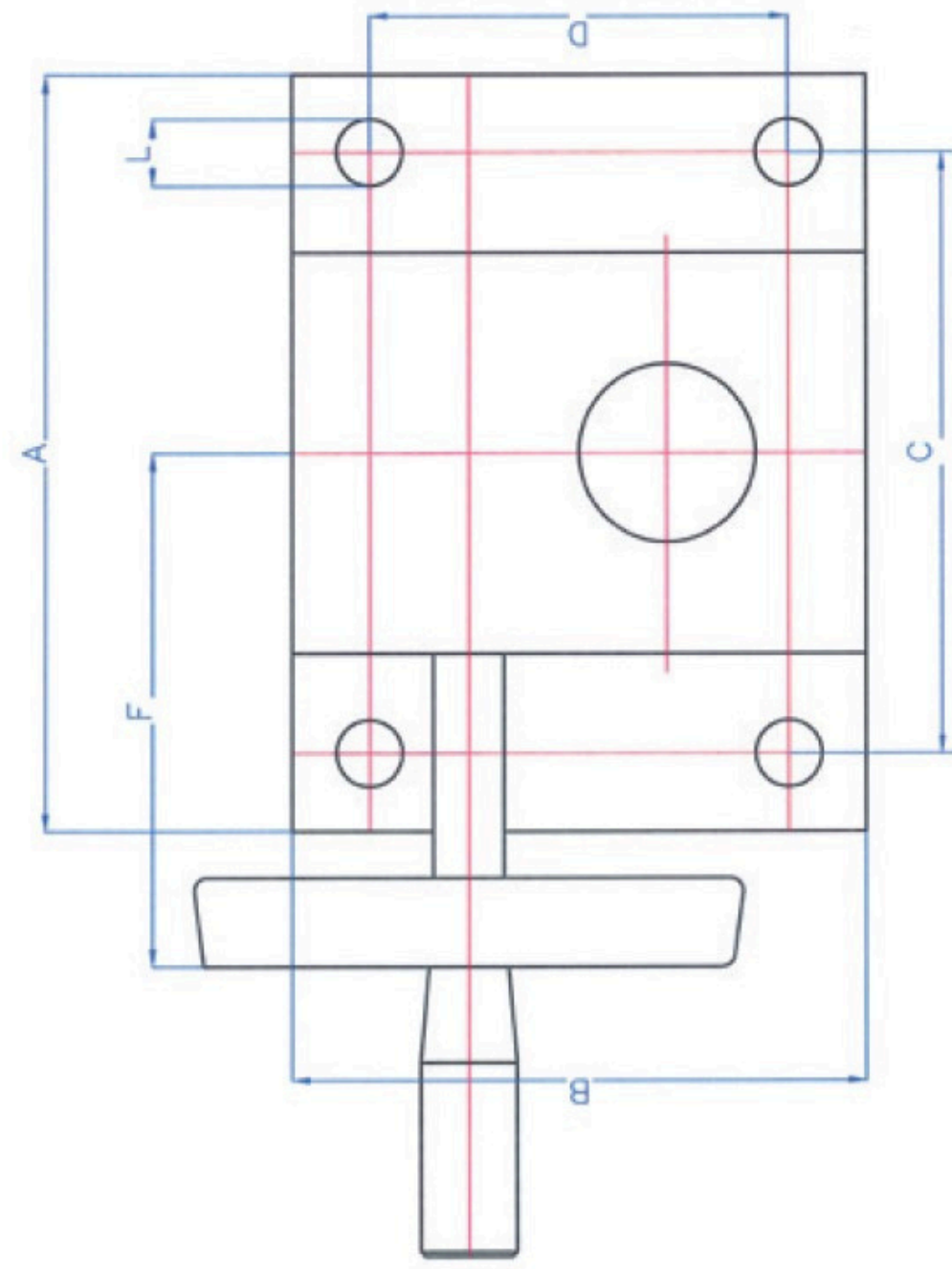
REF SUPPORT	A	B	C	D	E
SF 4	ø110	ø85	45	ø40	ø11
SF 5	ø135	ø105	60	ø50	ø13
SF 6	ø140	ø115	60	ø60	ø13
SF 8	ø180	ø145	100	ø80	ø17

**CURVED SPREADER ROLL
FLANGE-MOUNTED TYPE SF**

**MBC
Guttin**

Customer :





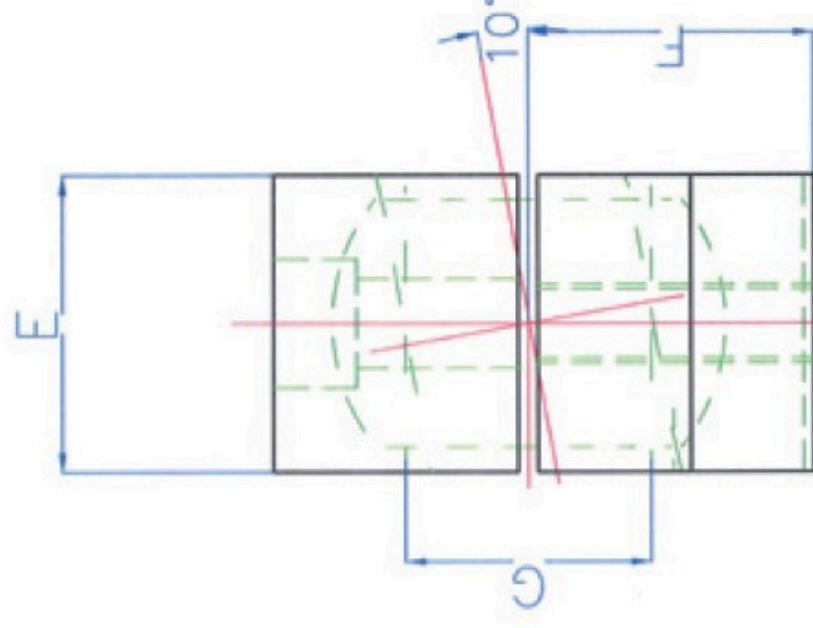
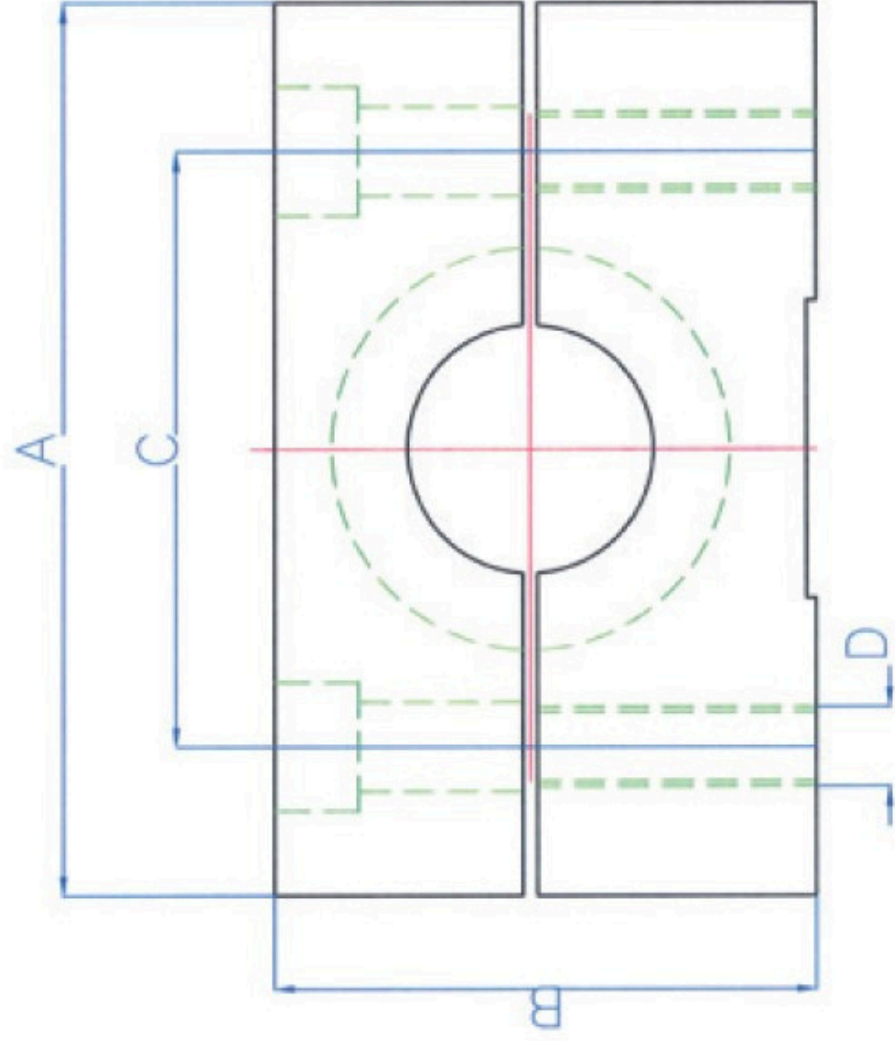
REF SUPPORT	A	B	C	D	E	F	G	H	I	J	K	L
SRF 4	170	130	135	95	10	140	100	50	45	90	Ø40	Ø15
SRF 5	200	150	160	110	15	150	125	65	58	110	Ø50	Ø17
SRF 6	210	180	170	140	18	150	200	70	67	128	Ø60	Ø17
SRF 8	240	250	200	210	25	170	250	100	110	192	Ø80	Ø17

**CURVED SPREADER ROLL
WITH FLANGE SUPPORT
AND REGULATION TYPE SRF**

Customer :

MBC
Guttin





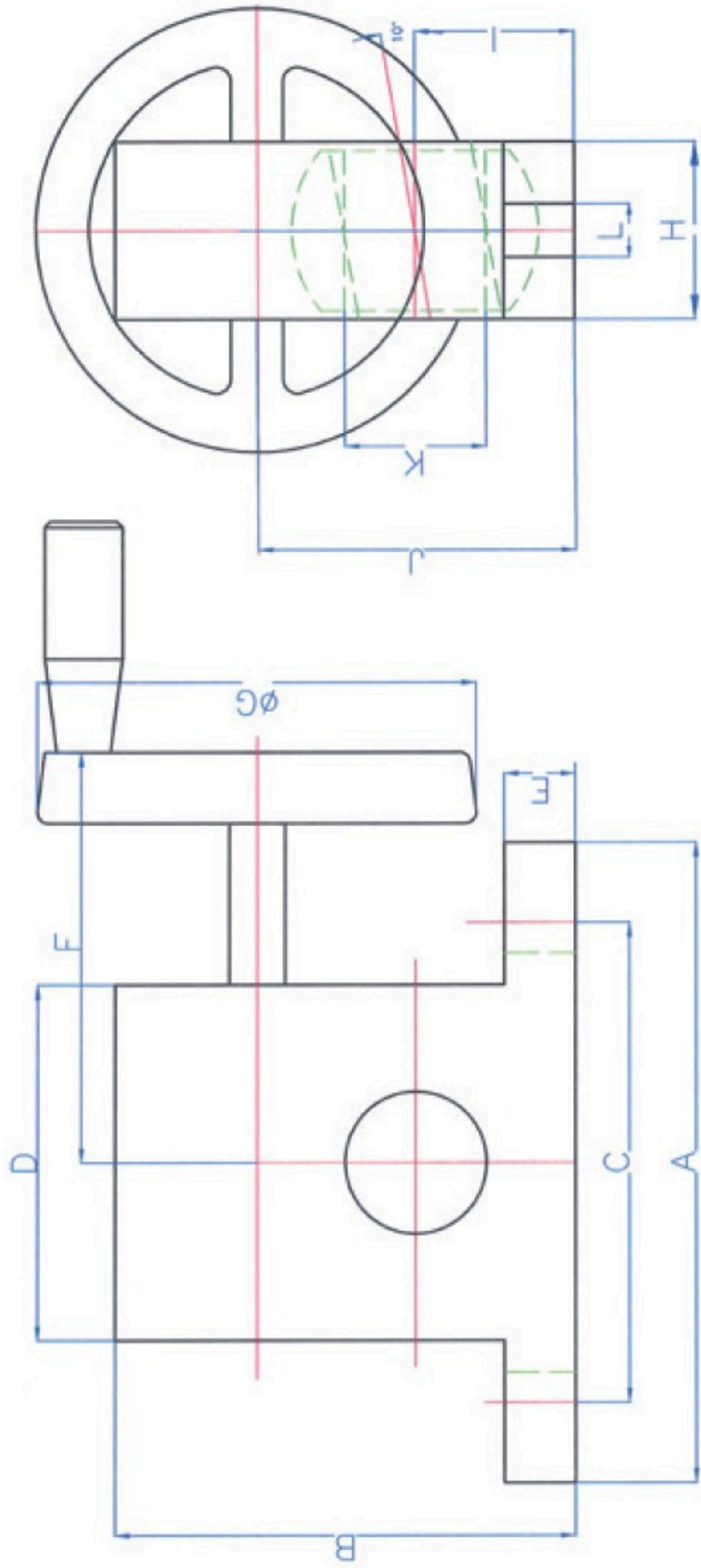
REF SUPPORT	A	B	C	D	E	F	G
SP 4	135	85	90	M14	45	45	ø40
SP 5	180	110	120	M16	60	58	ø50
SP 6	180	130	135	M16	60	68	ø60
SP 8	240	155	200	M16	90	80	ø80

**CURVED SPREADER ROLL
FOOT MOUNTED SUPPORT TYPE SP**

Customer :

MBC
Guttin





REF SUPPORT	A	B	C	D	E	F	G	H	I	J	K	L
SRP 4	180	130	135	100	20	140	100	50	45	90	Ø40	Ø15
SRP 5	210	150	160	120	25	150	125	65	58	110	Ø50	Ø17
SRP 6	220	170	170	130	35	150	200	70	67	128	Ø60	Ø17
SRP 8	240	215	200	160	40	170	250	90	80	162	Ø80	Ø17

**CURVED SPREADER ROLL
FOOT MOUNTED SUPPORT
WITH REGULATION TYPE SRP**

Customer :

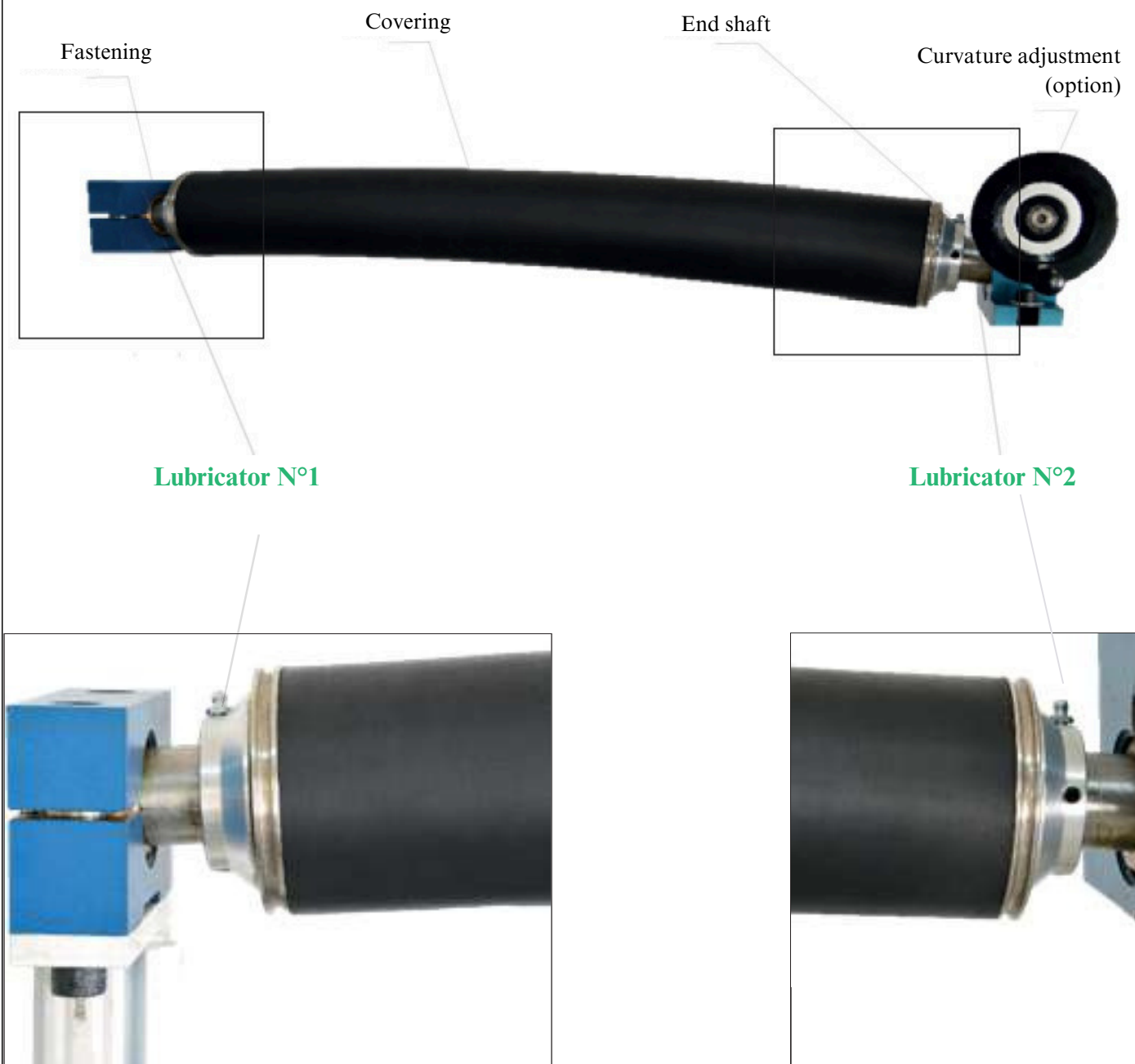
MBC
Guttin



Maintenance & Spare Parts

Maintenance of a curved spreader roll or «Banana» roll

The maintenance of a curved spreader roll or banana roll is very easy. A simple lubrication is sufficient. Inject bearing grease into the right and left lubricators provided for this purpose. (Lubricators n°1 and n°2 in the picture below).



Advice :

Premature and/or intensive coating wear? End shaft deterioration?

Contact our sales representative — we have the right solutions for you!

Additional Information

How to properly install a curved spreader roll ?

TECHNICAL NOTES ON CURVED SPREADER ROLLS

The curved spreader roll completely eliminates folds and smooths out the material.

Notes for correct assembly :

To achieve a proper expanding effect, it is essential that the curved spreader roll is perfectly perpendicular to the direction of the fabric movement.

To achieve maximum expansion, the distance must be optimized between the curved spreader roll and the successive roll trying to reduce it as much as possible.

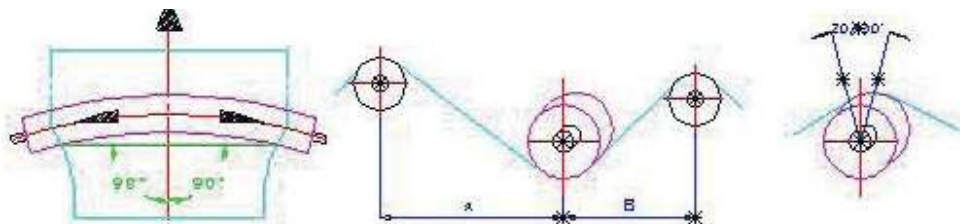
It is recommended to set a length «B» that does not exceed two or three times the diameter of the curved roll.

In some cases, it may be appropriate to add a diverting roll to reduce this length to the above value.

For distance «A», the optimal value, however, is between four and eight times the diameter of the spreader roll.

The entrance and exit angles are typically equal.

How to achieve the desired expanding effect :



The expanding power primarily depends on the following factors :

1°) – Curvature of the roll : increasing the curvature, results in a greater expanding effects.

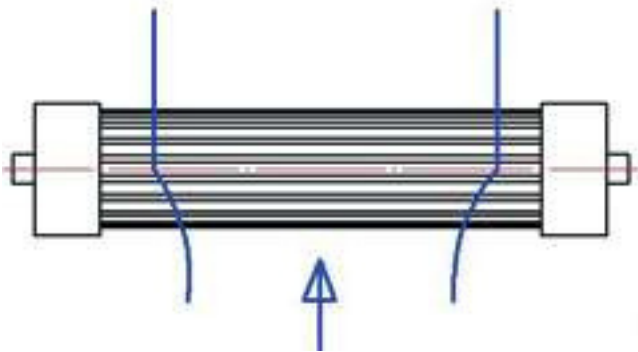
2°) – Winding angle on the curved roll: increasing the winding angle, enhances the expanding effect. Additionally, if the convex side of the curved roll turns in the direction of the fabric, reducing the entrance angle (1), you will achieve a larger expanding effect concentrated on the edges on the material.

3°) – Distance between the curved roll and the successive roll: reducing the distance increases the expanding effect.

How to properly install a spreader roll with ropes and / or laths ?

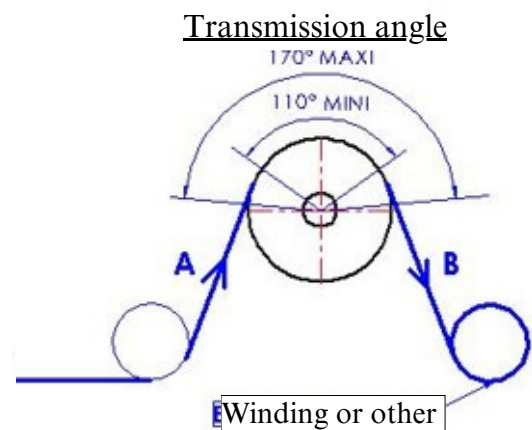
Mounting Principle of the spreader roll with ropes or laths

Fixed or variable angular position



MOUNTING PRINCIPLE

- The spreader roll must be perfectly perpendicular to the direction of the product.
- The spreader roll must be properly positionned in relation to its widening range 180°
- It is advisable to set the length «B» as close as possible to the winding or other, but it should not exceed 2 to 3 times the diameter.
- For distance «A» the optimal value is between 4 to 8 times the diameter, with the input and output angle typically being equal.



MAJOR EXPANDING FACTORS

- The transmission angle
- Position of product inlet and outlet on the cylinder relative to the 180° cylinder widening range.

Relevant Products :

Spreader roll with laths



Spreader roll with ropes



NOTES

VII. Brakes

Brakes



Control the tension of your product
with the MBC braking system.

At MBC, we provide manual or pneumatic brakes,
made in France, that can be used on all installations.



Need more precision?

We also offer pneumatic and electric multi-piston
brakes too.

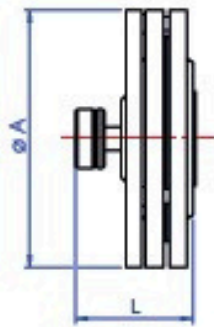
Please do not hesitate to contact us !



LAYOUT PLAN

- Brakes -

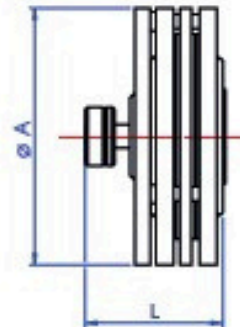
SINGLE DISC



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



DUAL DISC



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

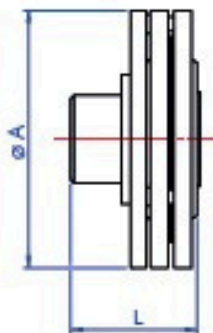
MBC MANUAL BRAKE

M.D.M : Single disc manually controlled
B.D.M : Dual disc manually controlled



Pneumatic brakes : single disc

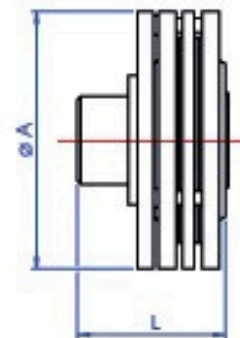
SINGLE DISC



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



DUAL DISC



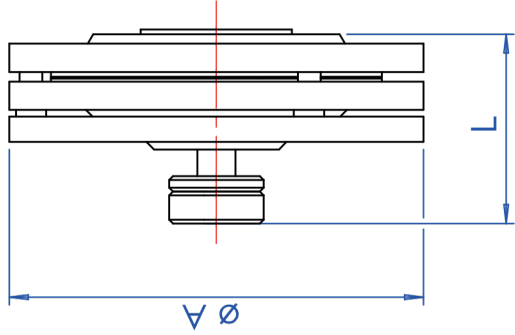
POWER	øA	L
90 Nm	145	145
180 Nm	220	145
900 Nm	300	145

MBC PNEUMATIC BRAKE

M.D.M : Single disc manually controlled
B.D.M : Dual disc manually controlled



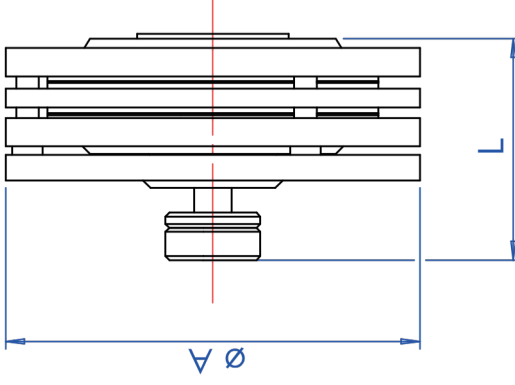
SINGLE DISC



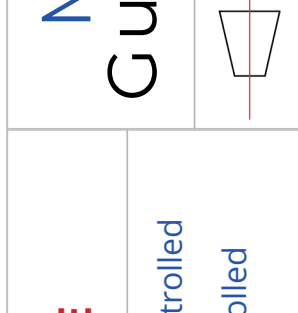
POWER	$\varnothing A$	L
40 Nm	145	100
70 Nm	220	100
480 Nm	300	100



DUAL DISC



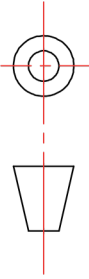
POWER	$\varnothing A$	L
90 Nm	145	125
180 Nm	220	125
900 Nm	300	125



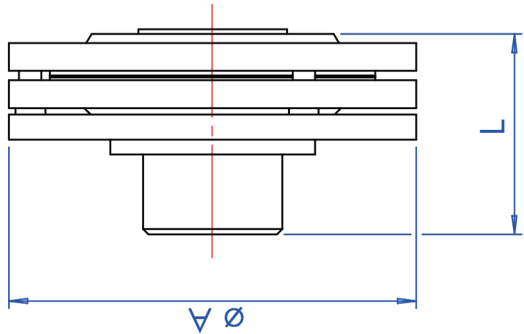
MBC MANUAL BRAKE

M.D.M : Single disc manually controlled
B.D.M : Dual disc manually controlled

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Guttin



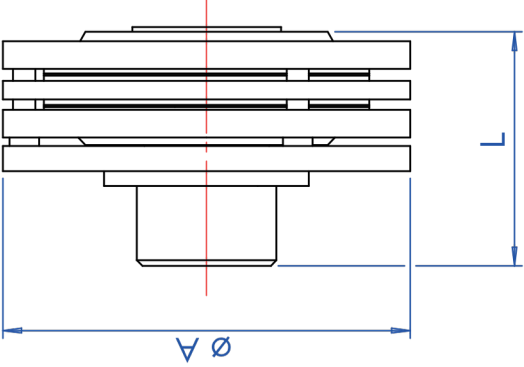
SINGLE DISC



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



DUAL DISC



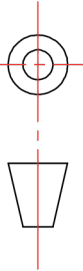
POWER	øA	L
90 Nm	145	145
180 Nm	220	145
900 Nm	300	145

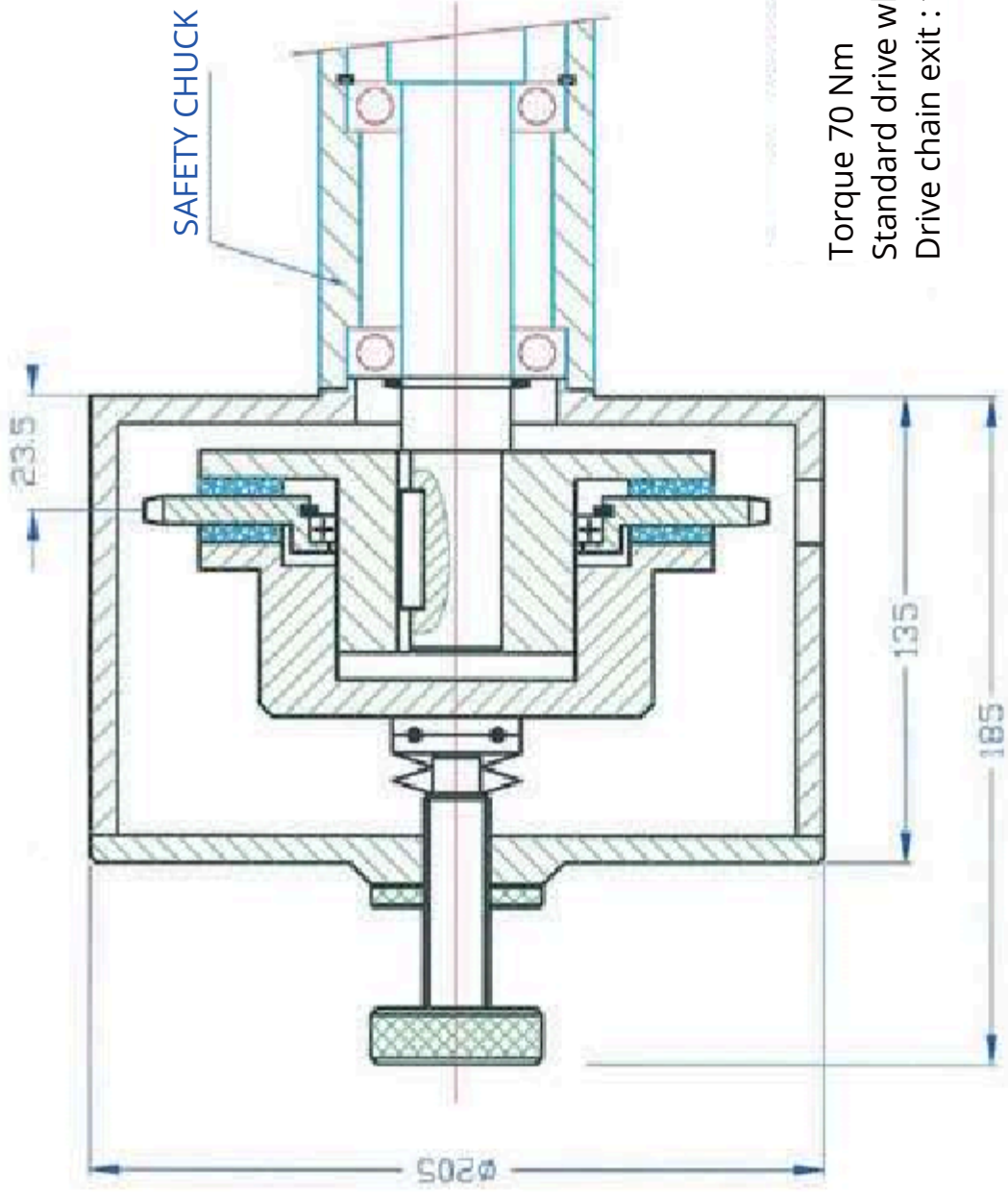


MBC PNEUMATIC BRAKE

M.D.M : Single disc manually controlled
B.D.M : Dual disc manually controlled

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Guttmann





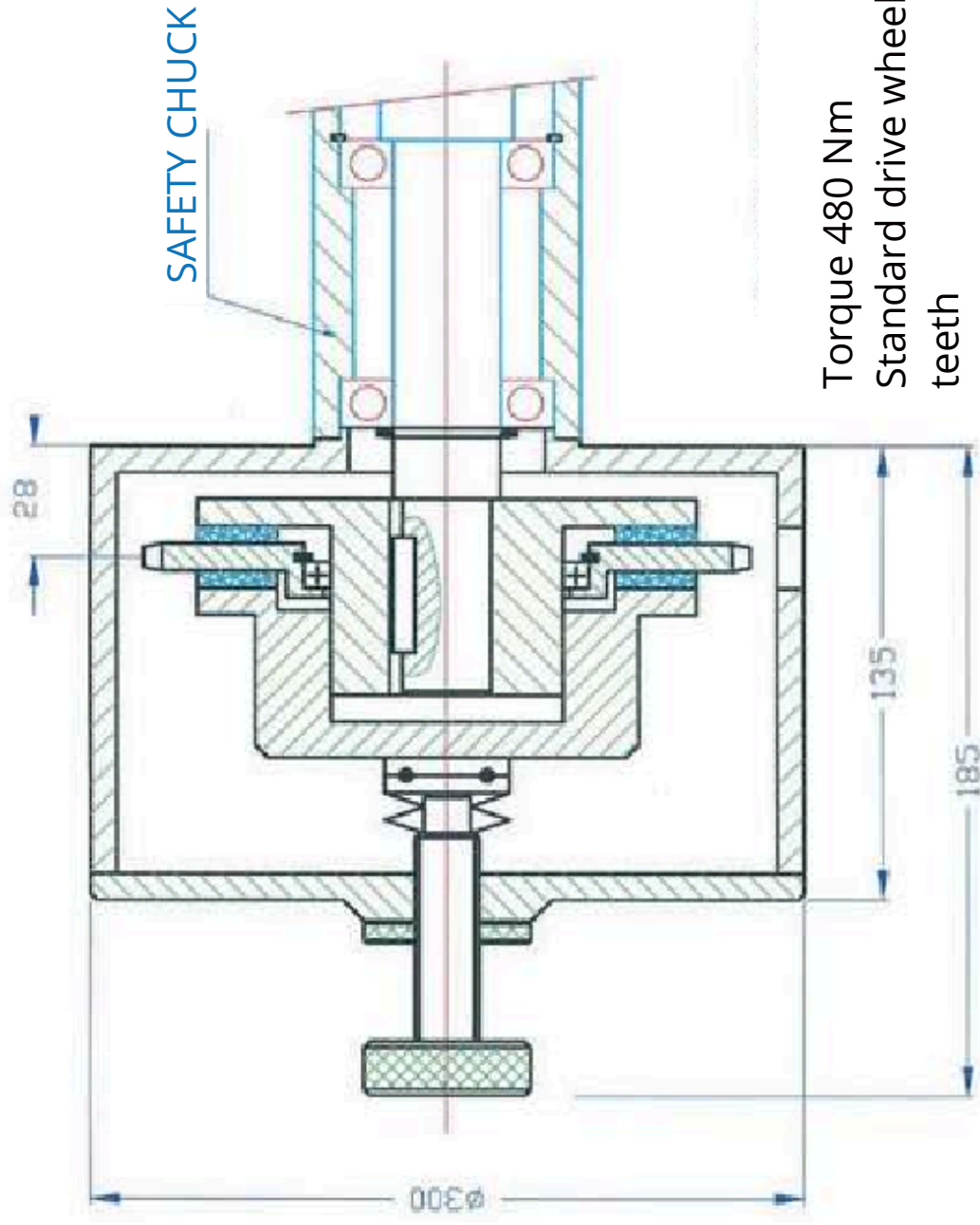
Torque 70 Nm
 Standard drive wheel 1/2" 40 teeth
 Drive chain exit : to be advised

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Guttin



SAFETY CHUCK
AUTOMATIC LOCKING SYSTEM

MANUALLY ADJUSTED CLUTCH FOR
 SAFETY CHUCK 20/3-30/40-40/50
 REF : MDM/F 70 Nm



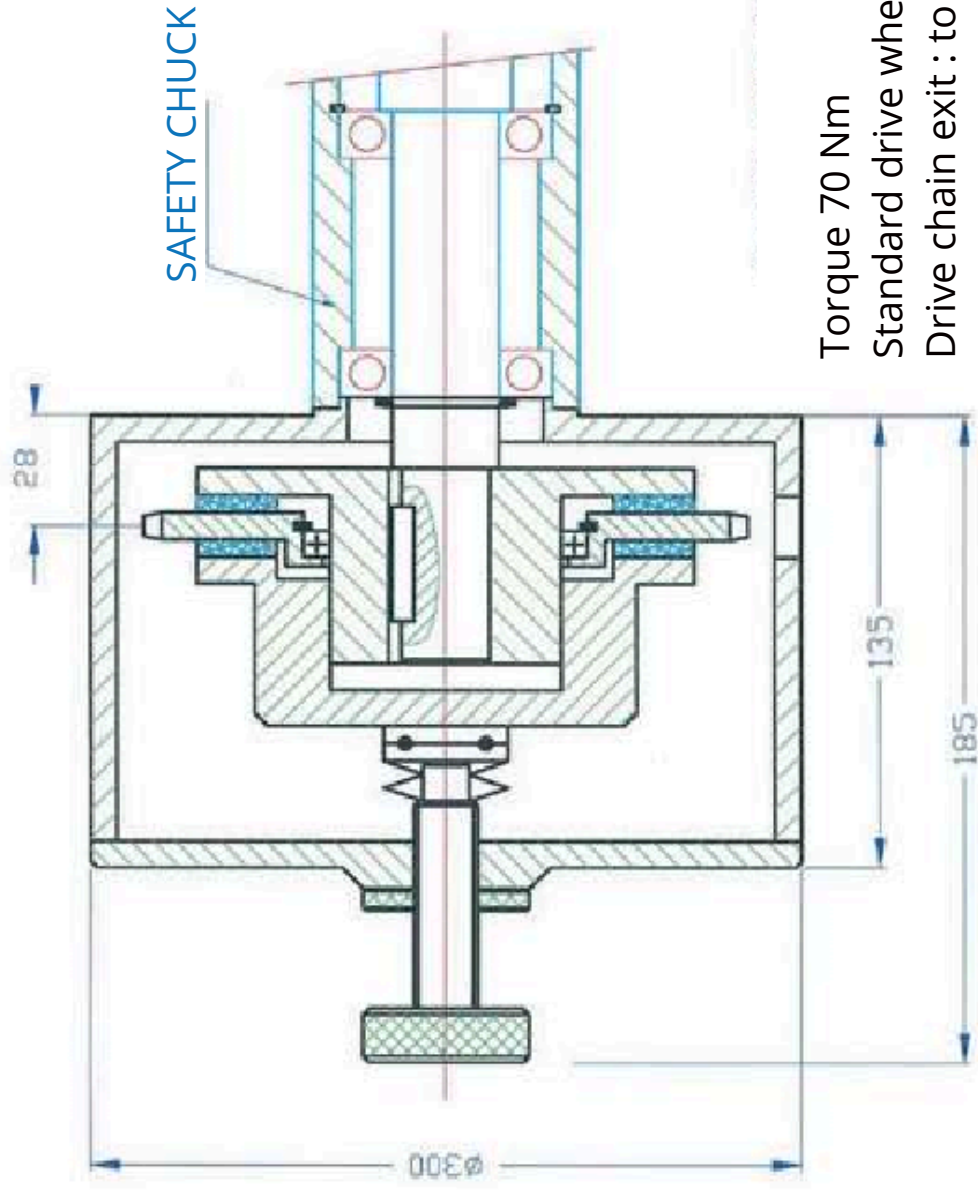
Torque 480 Nm
Standard drive wheel 1/2" 40
teeth

Drive chain exit : to be advised
**SAFETY CHUCK WITH AUTOMATIC
LOCKING SYSTEM**

CLUTCH MANUAL ADJUSTMENT FOR
CHUCKS 20/30-30/40-40/50
REF : MDM/F 480 Nm

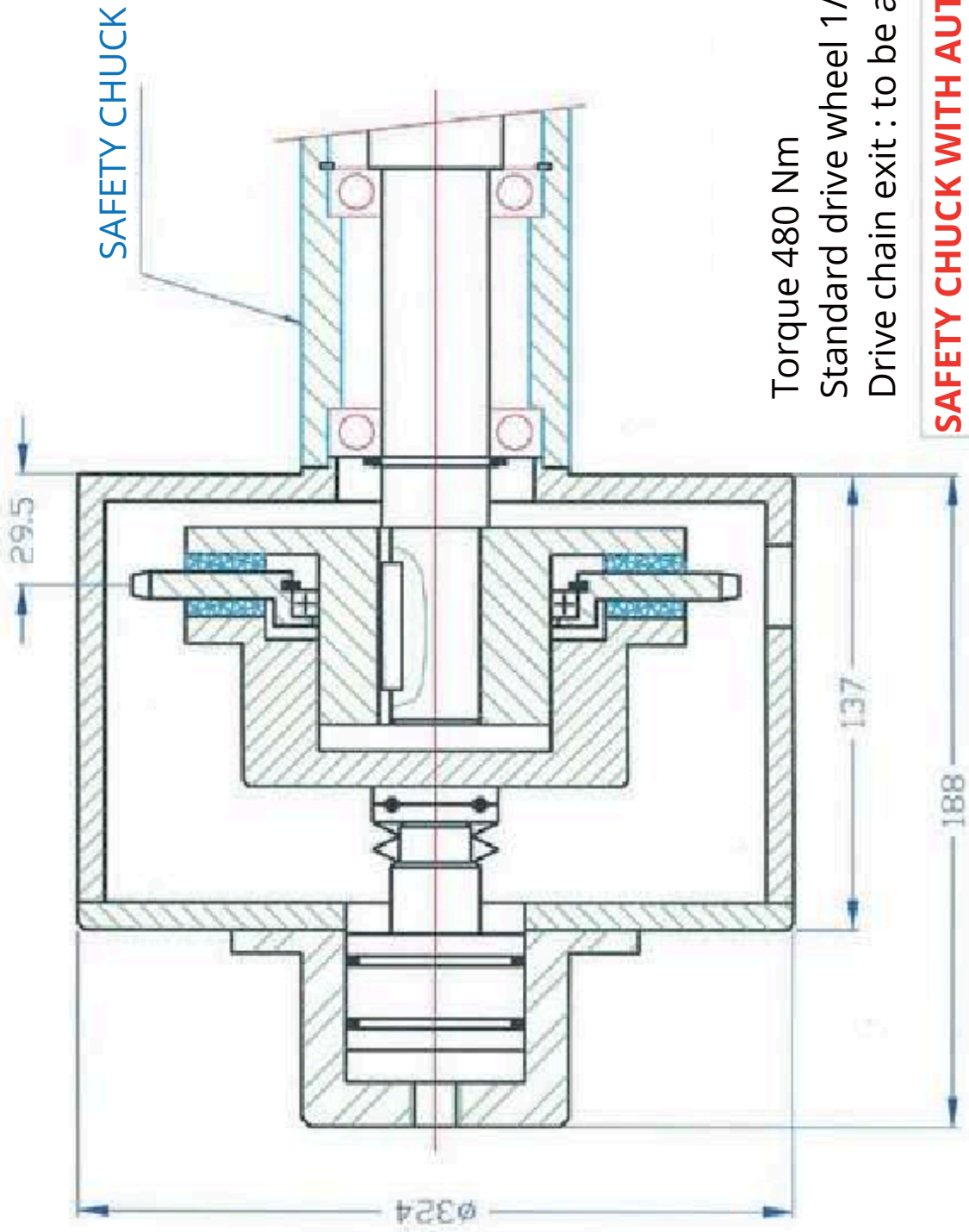
MBC
Guttin





Torque 70 Nm
 Standard drive wheel 1/2" 40 teeth
 Drive chain exit : to be advised

**SAFETY CHUCK WITH AUTOMATIC
 LOCKING SYSTEM**
 CLUTCH PNEUMATICALLY CONTROLLED
 SAFETY CHUCKS 20/30-30/40-40/50
 REF : MDP/F 70 Nm



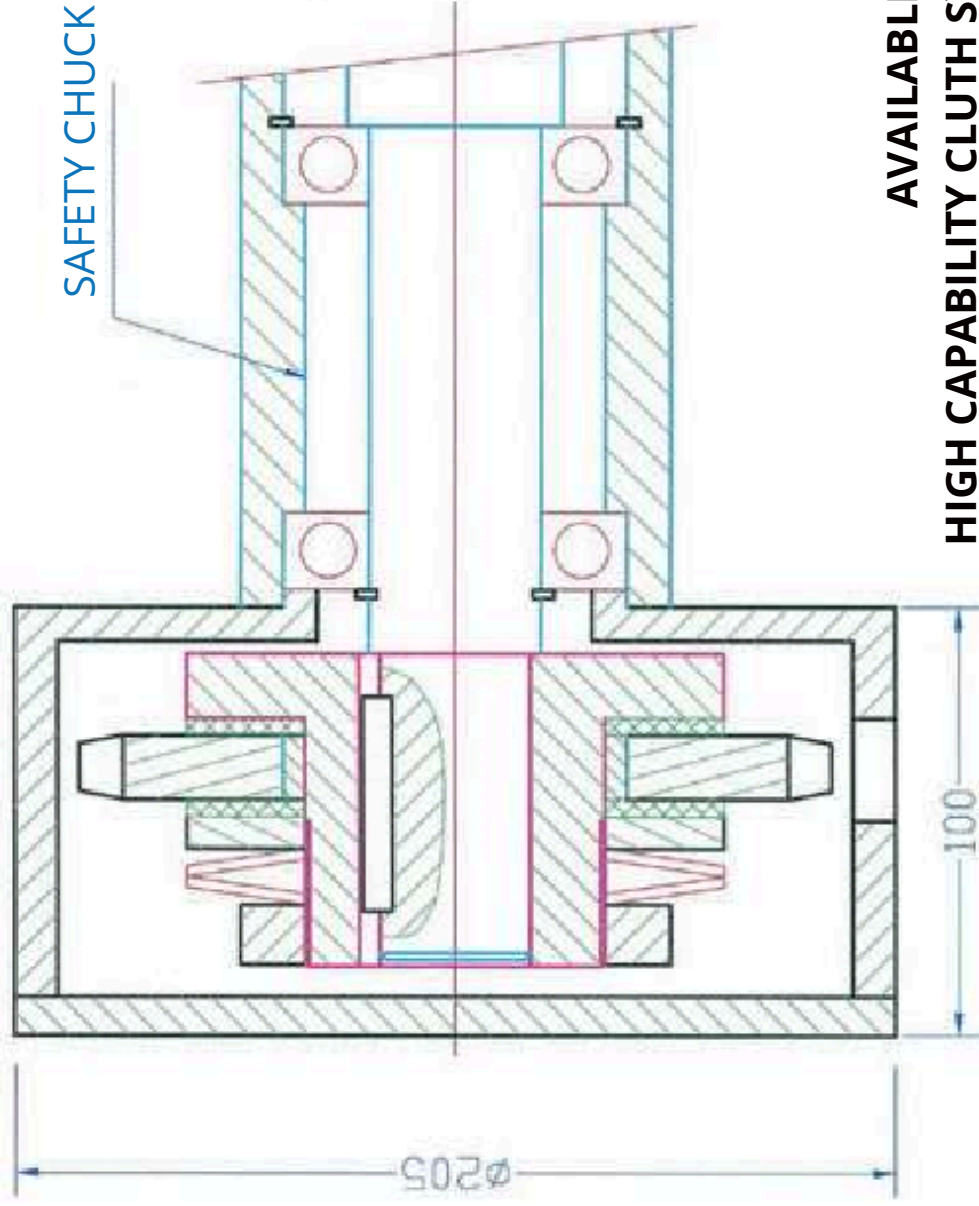
Torque 480 Nm
 Standard drive wheel 1/2" 70 teeth
 Drive chain exit : to be advised

**SAFETY CHUCK WITH AUTOMATIC
 LOCKING SYSTEM**

PNEUMATIC CLUTCH ADJUSTEMENT FOR
 SAFETY CHUCKS 20/30-30/40-40/50
 REF : MDP/F 480 Nm

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**AVAILABLE WITH
HIGH CAPABILITY CLUTH SYSTEM TORQUE 900 Nm**

Torque 480 Nm
Drive wheel 1/2" 40 teeth
Drive chain exit : to be advised

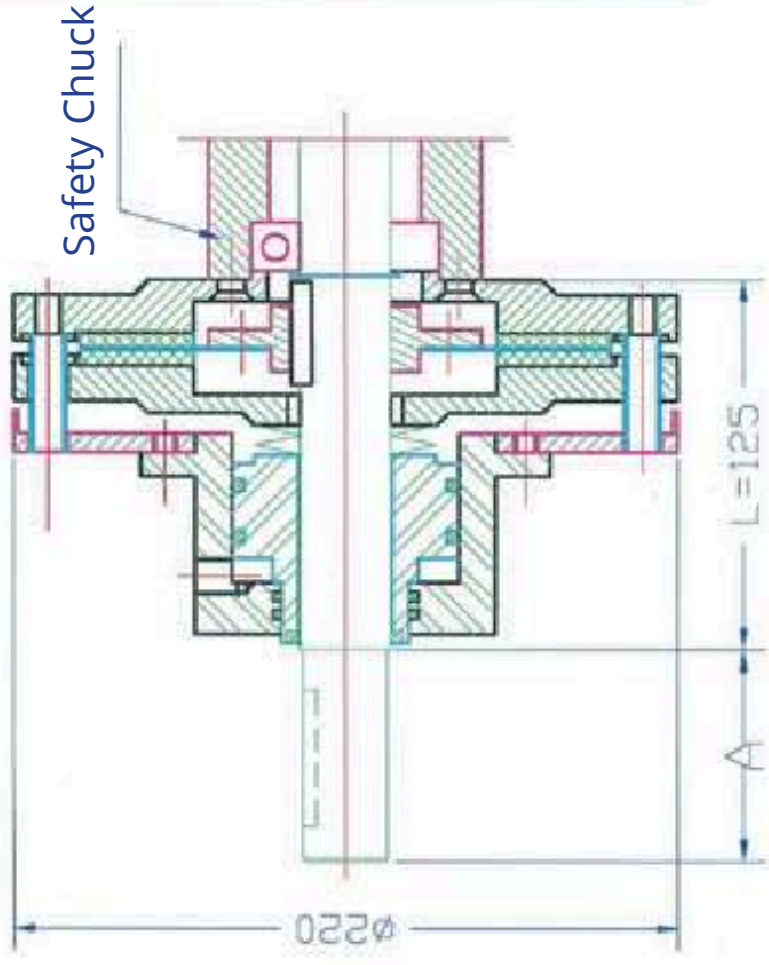
**SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM**
MANUALLY ADJUSTED CLUTH FOR
SAFETY CHUCKS 20/30-30/40-40/50
REF : MDM/F2 70 Nm

MBC

Guttin



SINGLE DISC BRAKING SYSTEM
PNEUMATICALLY CONTROLLED (MDP/G)
BRAKING TORQUE 70 Nm



DUAL DISCS BRAKING SYSTEM
PNEUMATICALLY CONTROLLED (BDP/G)
BRAKING TORQUE 180 Nm

$L = + 20\text{mm}$

Mark A = MBC Guttin Safety Chuck standard

SAFETY CHUCK WITH

AUTOMATIC LOCKING SYSTEM

BRAKE MDP/G or BDP/G 70 Nm FOR
BRAKED MOTOR SHAFT
SAFETY CHUCKS 20/30-30/40-40/50

MBC

Guttin



VIII. VARIOUS

Various

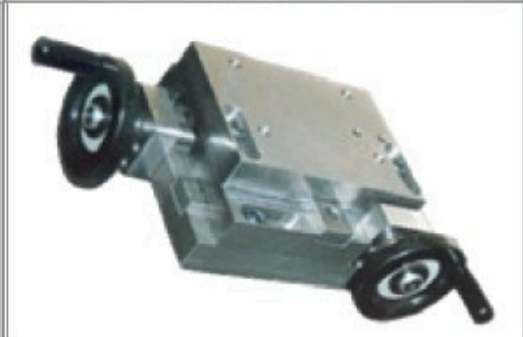


MBC offers a range of accessories for handling your shaft and rolls, find the list below :



Aluminium Blocking cone

- Cone: notched or faceted
- Locking : clip or screw
- Core ID ø (adaptable)
- Outer diameter of the shaft (adaptable)



Support base axial and/or radial adjustment for chuck



Mechanical head with torque passage



Mechanical head with axial thrust

Equipment for resale:

Anti-static shafts
Manometer

MBC offers a range of accessories for handling your shaft and rolls, find the list below :

Reel riser and / or creation frame



Mechanical-pneumatic reel riser or mechanical



Reel manipulator

Execution of standard cores:

Passage between horizontal and /or vertical positions

- ø 70 mm

- ø 120 mm

- ø 76 mm

- ø 150 mm

- ø 100 mm



Shaft with bearing case for cantilevered unloading



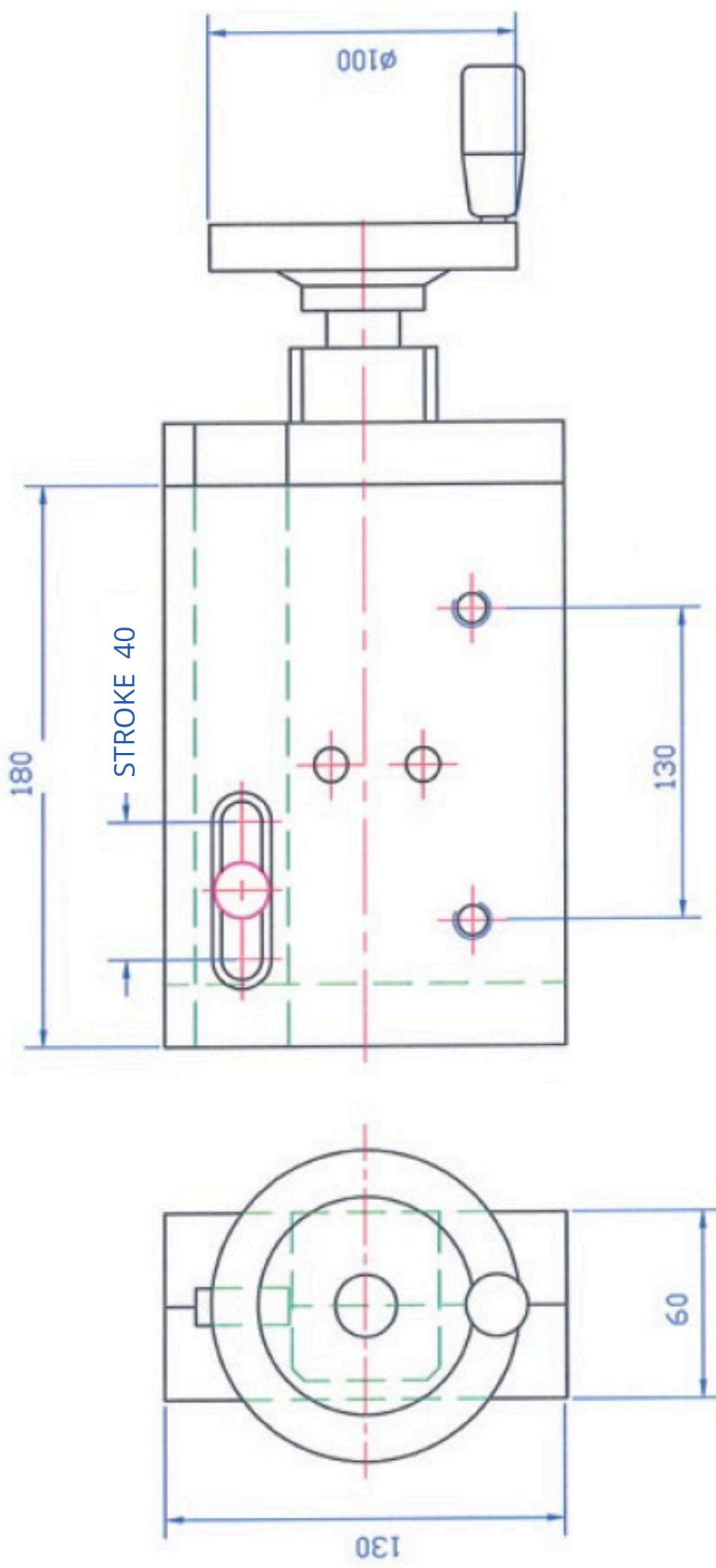
Core in Fiberglass



Layout Plan

- Various -

NOTES

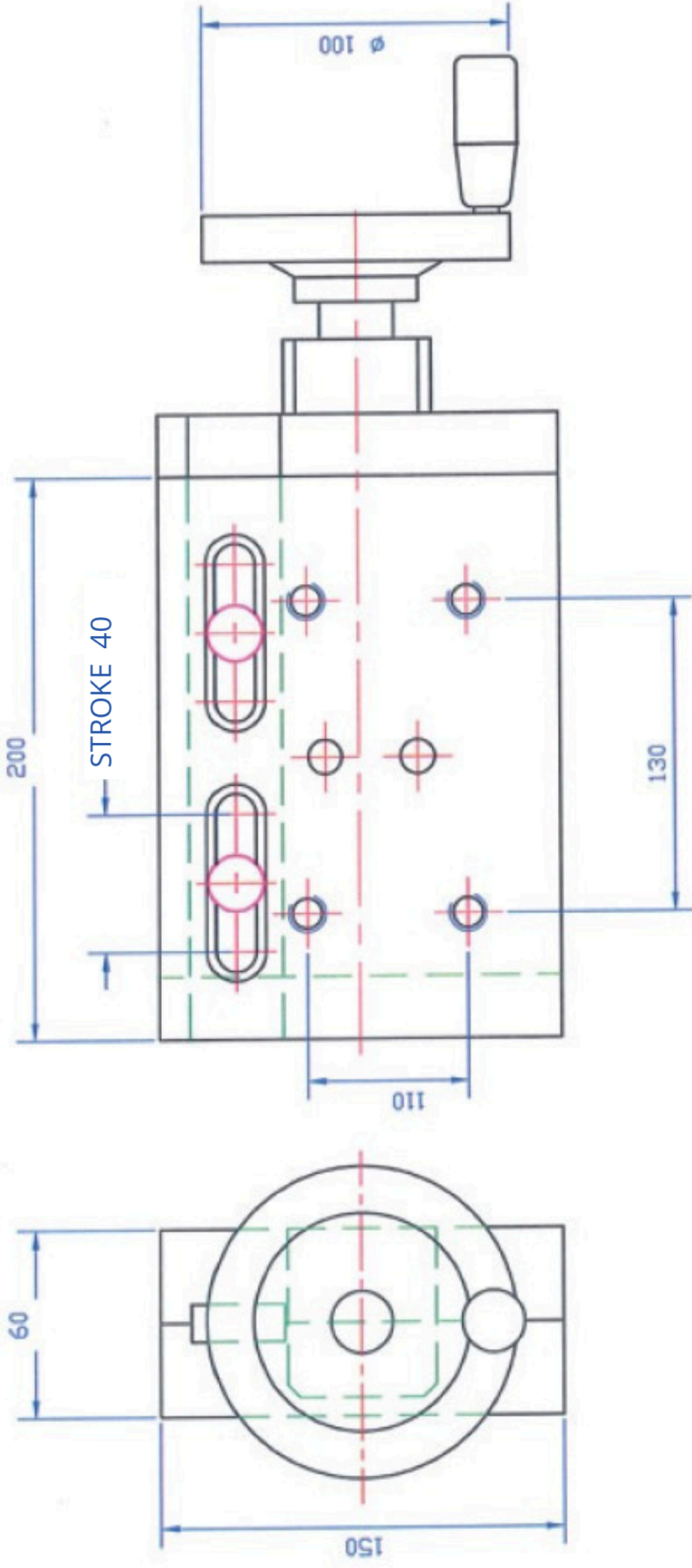


**SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM**

SUPPORT BASE WITH RADIAL
ADJUSTMENT

MBC
Guttin

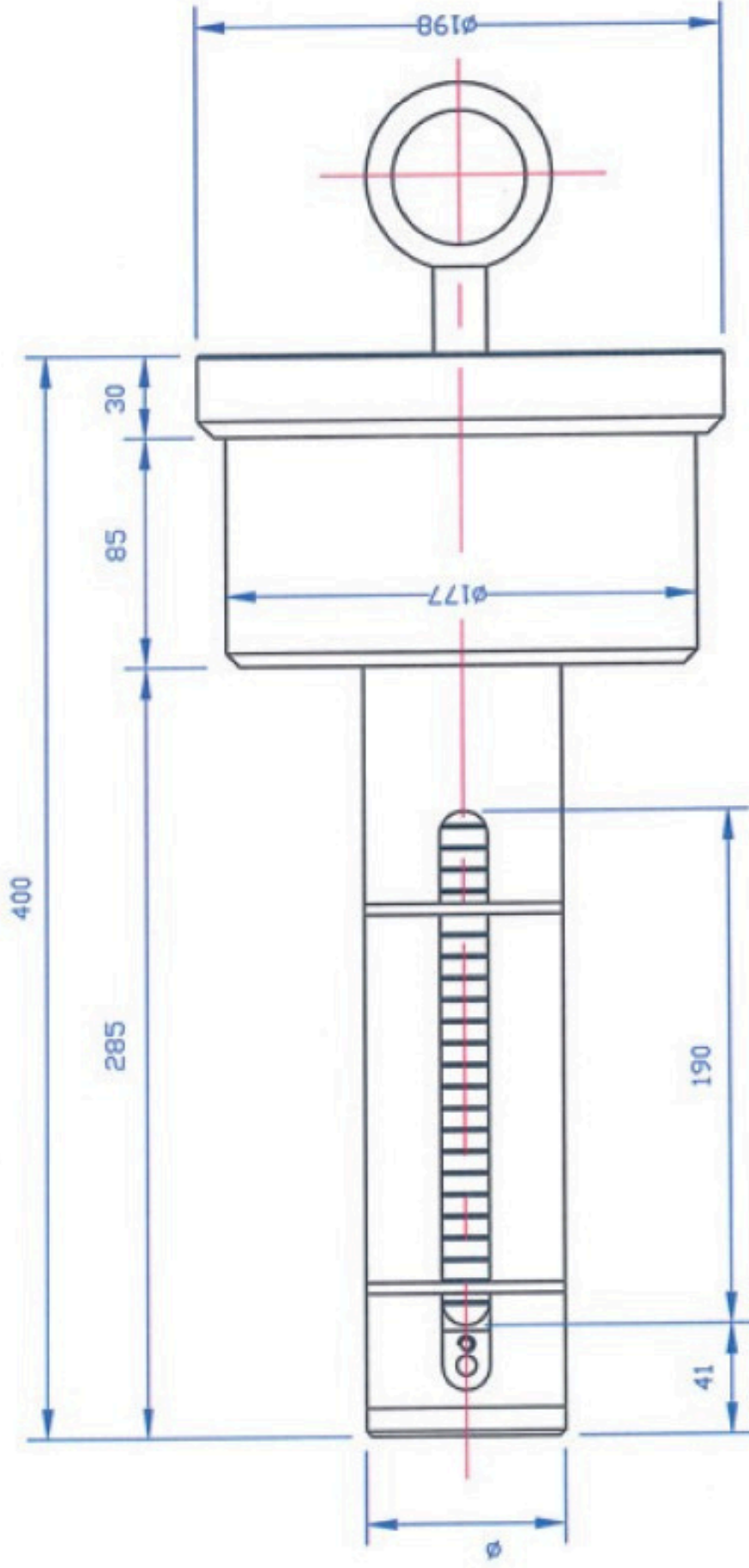




**SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM**

SUPPORT BASE WITH RADIAL
ADJUSTMENT





MANUFACTURING FOR STANDARD CORES $\phi 70$, $\phi 76$, $\phi 100$, $\phi 120$, $\phi 150$ MM

**MBC REEL RISER
MECHANIC - PNEUMATIC**

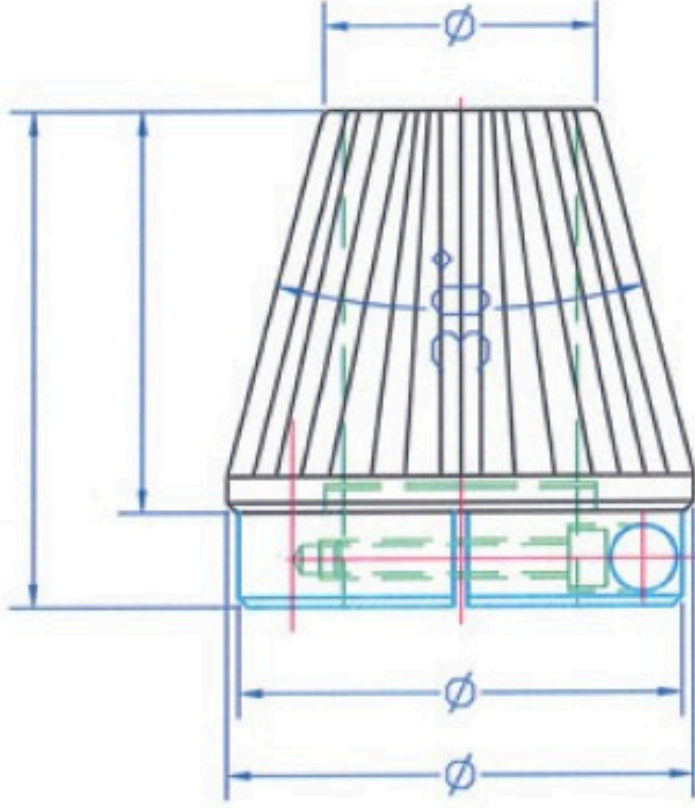
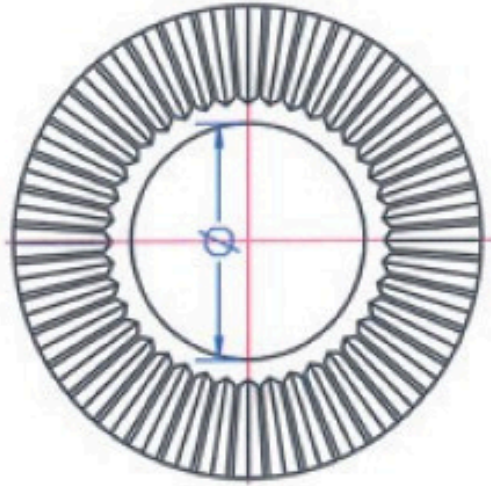
MBC

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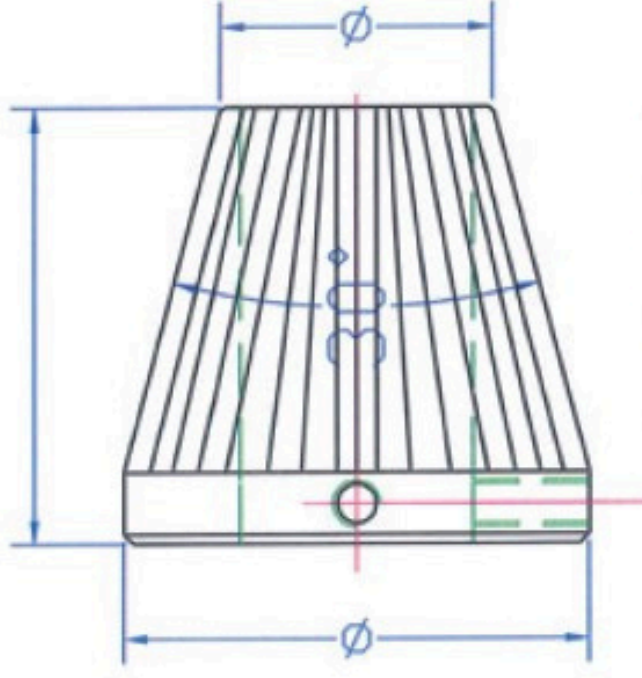


Customer :

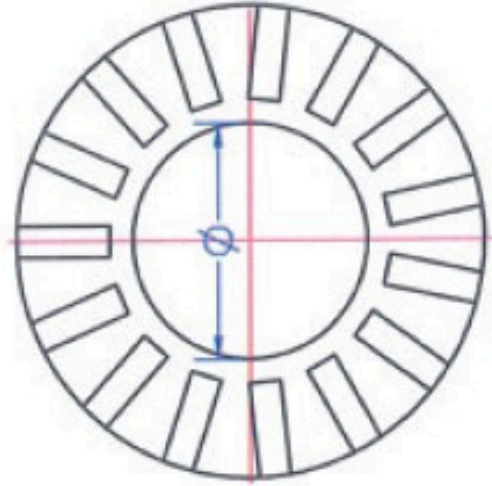
TOOTHED CONE



LOCKING WITH CLIPS



LOCKING WITH SCREWS



FACETED CONE

<u>CORE INTERNAL Ø</u>			
<u>SHAFT EXTERNAL Ø</u>			
LOCKING CONE IN ALUMINIUM			
LOCKING WITH TEETH OR WITH FACETS			
		<i>MBC</i>	<i>Guttin</i>

Spare Parts



Find all the spare parts from our various product lines.
Additionally, we offer the manufacture of custom-parts for your
equipment as well as maintenance/repair services for all products on
the global market.

Wear Parts

MBC offers a range of wear parts (wear or replacement), find below :



Wear parts :

- Continuous fillets
- Lugs
- Rubber sleeve
- Chuck wear parts
- Bladder kit
- Ferrodo (Brake disc)



Hardware:

- Valves
- Screw
- Axle
- Tabs
- Spring



Reproduction of parts :

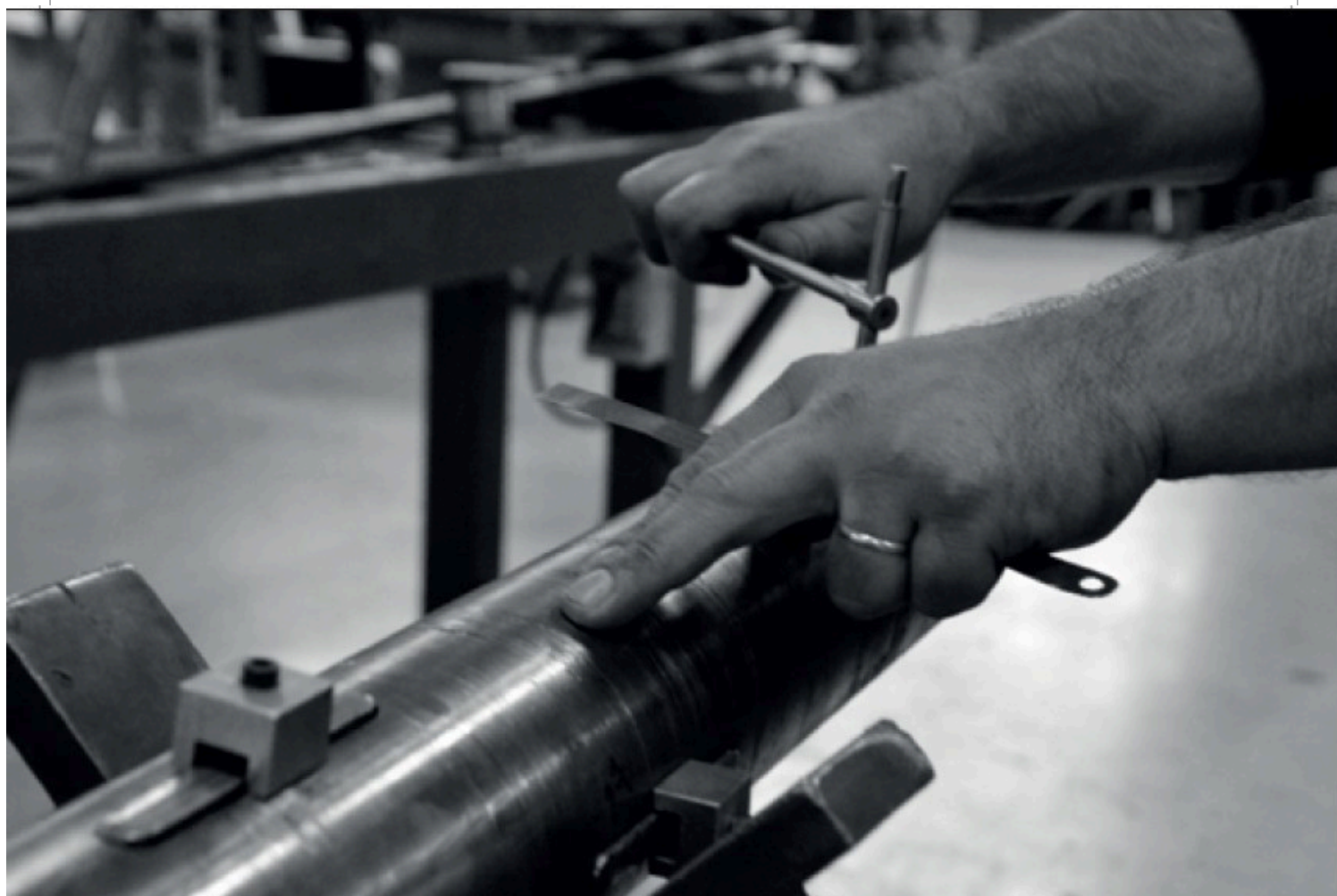
- Shaft reproduction
- End shaft reproduction



Accessories:

- Air gun
- End shaft for air gun

Maintenance / Repair service for all brands



MBC products can be installed in place of any installation.

In many cases, it is not necessary to replace your current equipment.

For this reason, MBC Guttin offers a professional repair service for both MBC products and those of other manufacturers.

GLOBAL PRESENCE



50 Route du Charmay - 38490 CHARANCIEU
Tél : + 33 (0) 4 76 32 07 82 - Fax : + 33 (0) 4 76 32 29 56
www.guttin.com - mbc@guttin.com

Management Fabrice & Stéphane GUTTIN	Sales Patrick CREUSET + 33 (0) 6 61 30 07 83	Administrative & Accounting Stéphane GUTTIN Marie-Blanche GUTTIN	Technical Manager Fabrice GUTTIN Engineering - Custom Service Julien GULLON
Insides Sales France Isabelle LECUYER	Jérémy Valette +33 (0)6 61 30 15 83		
Company Founder & Consultant Christian GUTTIN	Export Paloma OLAY		Quality & Production Manager Gérard REYNAUD



SWITZERLAND

CORTECH AG
Mr Sandro CORTESI
(tel) 0041 62 752 20 84
(fax) 0041 62 752 23 69
info@cortechag.ch



NETHERLANDS

OPENSUPPLY B.V.
Mr Erik FRANKE
(tel) 0031 541 700 260
(fax) 0031 541 744 025
erik@opensupply.eu



USA

LOUIS P. BATSON
Incorporated
Mr Chuck WITHINGTON
(tel) 001 864 242 5262
(fax) 001 864 271 4535
chuckw@lpbatson.com



POLAND

ANT MASCHINENHANDEL UG
Mr Alex NITUSOV
BERLIN
(tel) 0049 30 985 984 26
0049 173 272 69 00
info@ant-germany.com



CZECH REPUBLIC

ANT MASCHINENHANDEL UG
Mr Alex NITUSOV
BERLIN
(tel) 0049 30 985 984 26
0049 173 272 69 00
info@ant-germany.com



NORTH GERMANY

ANT MASCHINENHANDEL UG
Mr Alex NITUSOV
BERLIN
(tel) 0049 30 985 984 26
0049 173 272 69 00
info@ant-germany.com



SOUTH GERMANY

Mr Juan Jose SANCHEZ
KARLSRUHE
(tel) 0049 176 87 55 74 38
jsanchez@guttin.com



SPAIN

BARBANY Maquinaria Textil
Mr Rodolf BARBANY
(tel) 0034 93 450 16 87
(fax) 0034 93 347 84 54
info@barbany.com



MOROCCO

AEROTFZ/Technologie Service
Offshore / Onshore
Mr Guy FOREST
(tel) +212 539 400 632
(fax) +212 6 19 311 347
contact@aerotfz.com



AUSTRIA

HENNICH GmbH & Co KG
Mme Laura DOBLHOFFER
(tel) 0043 7712 3163 645
(tel) 0043 664 8472 171
Laura.Doblhofer@hennlich.at