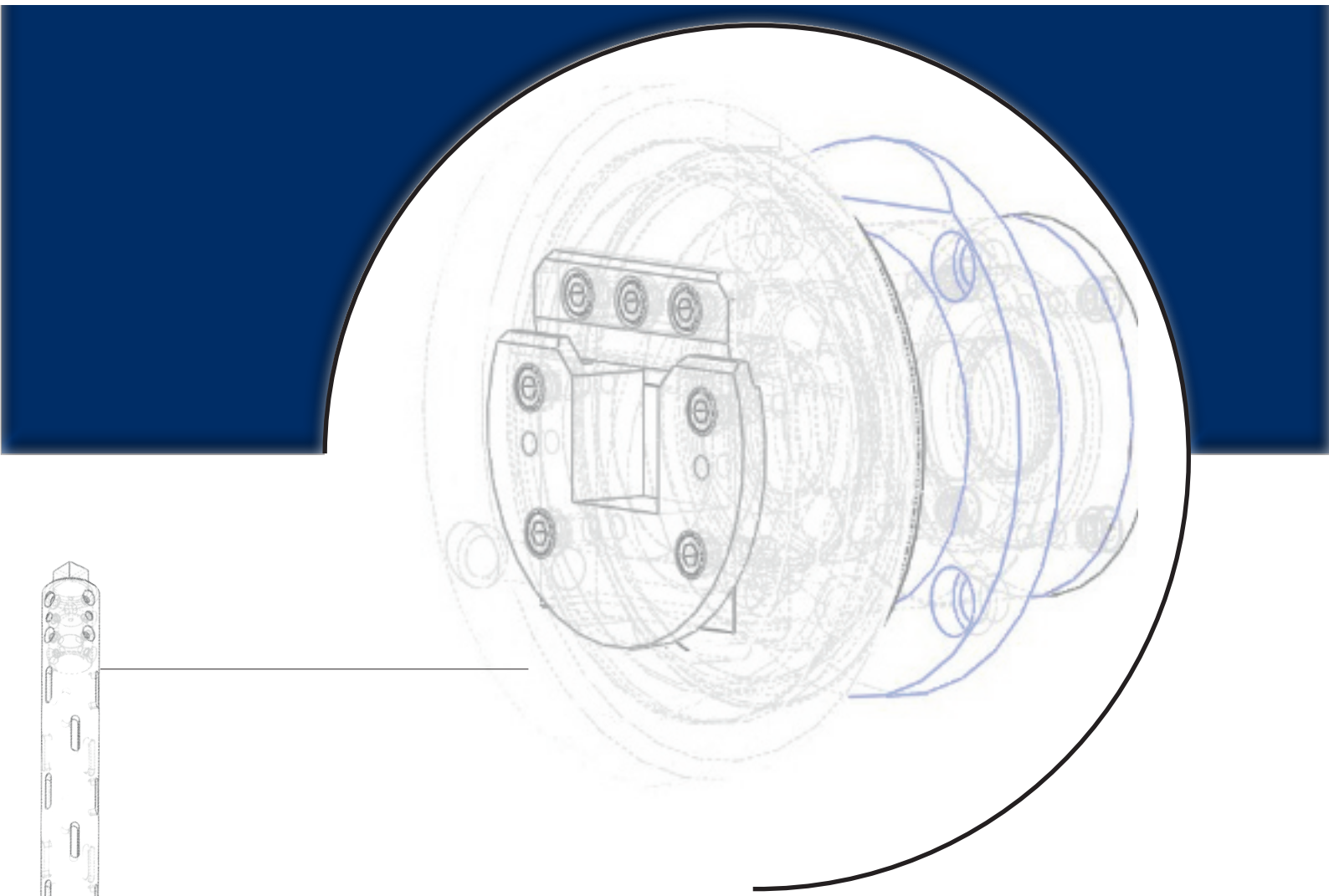


EQUIPMENT WINDING - UNWINDING

Equipment winding - unwinding

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 became a reference in its market.

We are a mayor player in its field of specialization, 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 his area.

Since more than 32 years of activity, MBC Guttin provides new solutions for manufactured processes, with collaborators present sometimes for years. MBC keeps integrating new talents to transmit this legacy. Today, MBC Guttin is the number one reference for historical customers relationship with companies like Airbus, Michelin, etc...

MBC for his customers !

The Philosophy of MBC Guttin resides in a continious improvement and customers care. We think that our job is to facilitate yours, MBC has developed more than 6 patents in order to stream line and optimize your process. How ? By improving ergonomics, use, 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 MBC Guttin

Made in France

Products develop, studied, designed and manufactured in France.

Ecological approach

French raw materials - Waste recycling.

Social approach

Loyal teams and talent aquisition.

Constant improvement

Patents, listening to customer expectations and prototype design.

Our daily work is to serve you better tomorrow !

Safety of persons

MBC Guttin controlled blocking mechanism to ensure the safety of its users. Prevention is an asset, MBC makes it its ally!

Patents - Control and Certification are in order !

Performance

MBC works on patent, process ooptimization, opening system, maintenance process, that will save you some precious minutes in your production.

Our expertise allowed us to develop than 6 patents to improve your productivity.

+

Ergonomics at work

MBC Guttin cares about the contraints of hard work, this is why our ranges evolve and 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 precision products that we are sometimes the only one to offer.

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

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

Services

- Customer Service
- Design Office
- Sales Departement

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

MBC Guttin provides you the best of his 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. His automatic locking protect you from any incident. Your security is the most important thing for us ! Discover all our designs and find the best solution for your installation.

What is a Safety Chuck MBC GUTTIN ?

Security

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

Safety Chuck that protect against small everyday incidents!

Chucks with several options for your security with different types of lock

Maintenance

Safety Chucks designed to optimize your maintenance time

Save almost 15 minutes on changing your wear parts

7 screws and one disassembly only by the front side

A patent 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

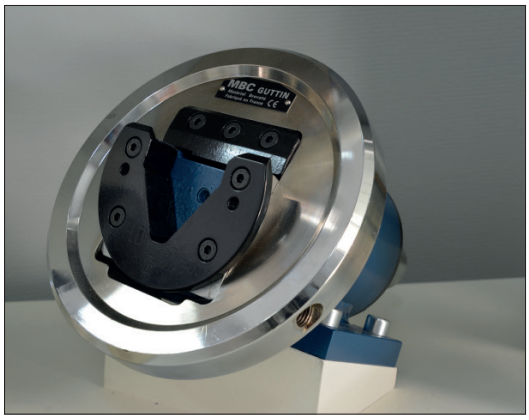
Safety Chucks with possibilities of options that prove themselves sinces 1983

A complete product range that continues to evolve

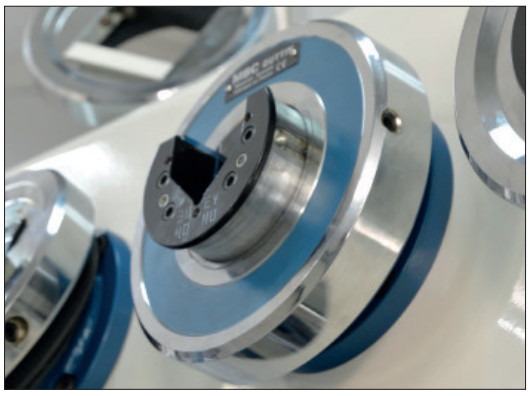
SAFETY CHUCKS

Manuals

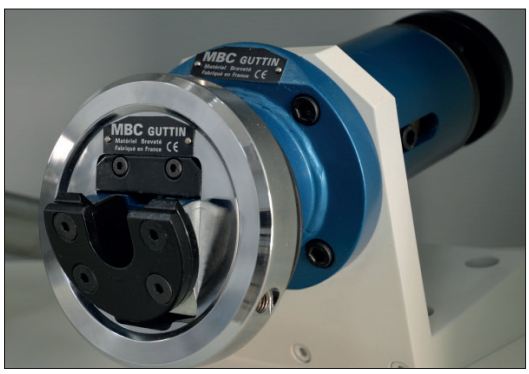
Safety Chuck pivoting disc
(serie 150 -250)



Safety Chuck with sliding
(serie 160 -260)



Safety Chuck with axial adjustment
(serie 1150 -1250)



Create your Safety Chuck MBC GUTTIN ?

MBC Guttin Offer

MBC Guttin undertakes to do a study feasibility for all your requests

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

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

Or send us an email : mbc@guttin.com

1. Choose your serie :

☐ Manual Safety Chuck

☐ Safety Chuck with pivoting disc

☐ Safety Chuck with slidding

☐ Safety Chucks with axial adjus-ment

- ☐ Stroke 50 mm
- ☐ Stroke 100 mm

☐ Pneumatic Safety Chuck

☐ Pneumatic safety Chuck with sliding disk, simple ou double effect

☐ Self centring and multifunctions Pneu-matic 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	1 100 Nm	40 to 50 mm
☐	50 – 80	7 200 kg	2 350 Nm	50 to 80 mm
☐	80 – 120	1 1500 kg	9 000 Nm	80 to 120 mm
☐	120 – 180	22 000 kg	20 000 Nm	120 to 180 mm
☐	180 - 230	60 000 kg	40 000 Nm	180 à 230 mm

You can choose your Options

SAFETY CHUCK :

... - ...

Technical specifications:

- Max weight of the roll : .....Kg
- Max Torque: .....Nm
- Choose your square size : .....mm
- Others: .....

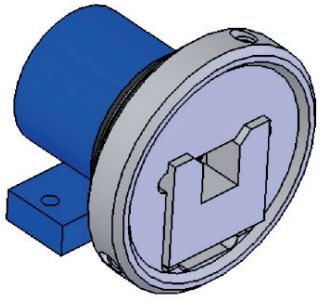
(if replacement, indicate the serial number) : .....

Choice of Options:

Choose your fixing type:

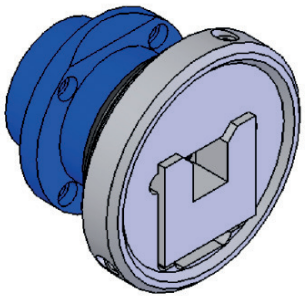
☐ Foot

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



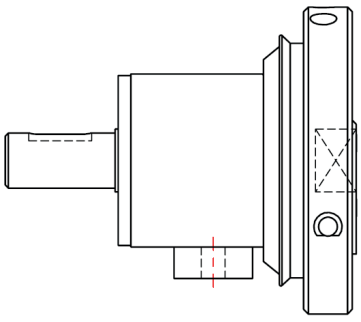
☐ Flange

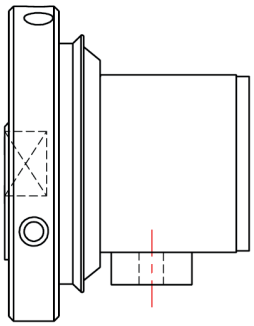
(serie 250)
(serie 260)
(serie 1250)
(serie 2100)
(serie 2300)
(serie 2500)



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

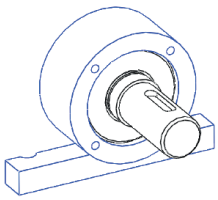
☐ Chuck with shaft end = SFE/G



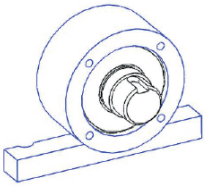


☐ Chuck without shaft end = SFE

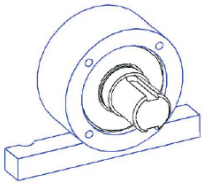
If with shaft end, choose the type best suited for your application:



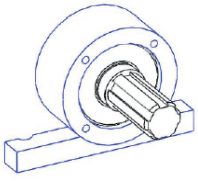
☐ STD



☐ MD



☐ BD

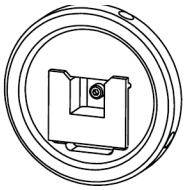


☐ AC

Others applications on demand ☐

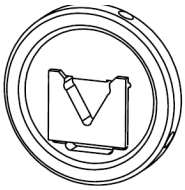
Choose your geometry

WITHOUT Wear Parts



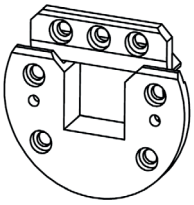
☐ Type A

☐ Type E

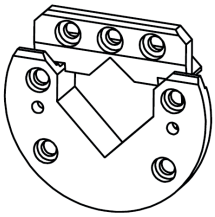


☐ Type B

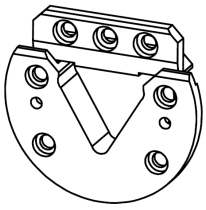
WITH Wear Parts



☐ Type APU

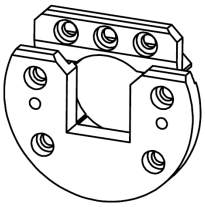


☐ Type EPU

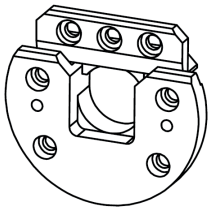


☐ Type BPU

+

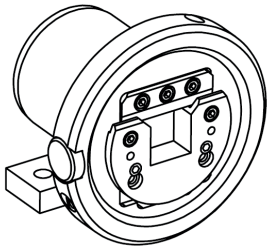


☐ Type VPU
ex : AVPU, EVPU or BVPU

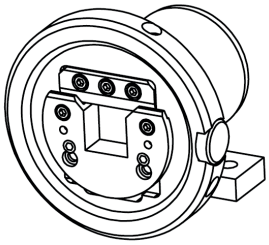


☐ Type WPU
ex : AWPU, EWPU or BWPU

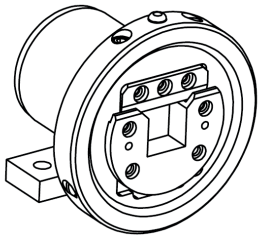
Choose your anti opening locking



☐ 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 proposes you a feasibility study

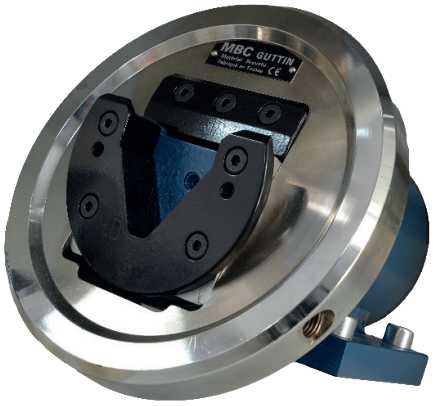
Safety Chuck

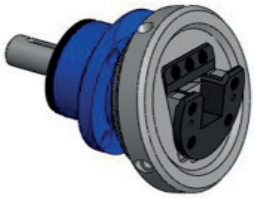
Manual Safety Chuck with pivoting disc

Serie 150 and 250

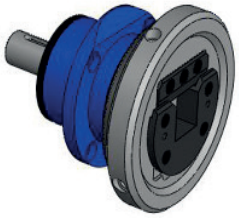
Advantages

+ MBC PATENT
+ Rotation balanced
+ Ease of opening
+ Ease of maintenance
+ Disassembly of front-facing 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

Dissambly of axes of the wheel and locking ball becomes child's play

Low Maintenance

The Safety Chucks designed to optimize your maintenance time

Gain nearly 15 min. on changing your wear parts

7 screws and disassembly only by front side

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

Safety Chuck

Manual Safety Chuck with sliding disc

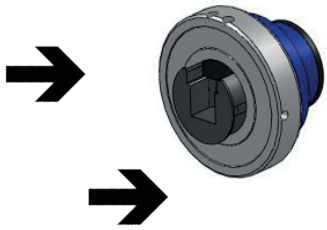
Serie 160 and 260

Advantages

+ MBC Patent
+ Balanced Rotation
+ Disassembly of front-facing wear parts
+ Reduced footprint

+ Option sensor of position

Opening on 2 hands, right and left,



Automatic closure in case of user forgetfulness

Option Type :

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

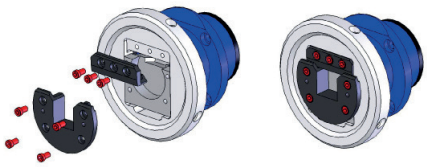
Create your Safety Chuck !

Low Maintenance

Safety Chucks designed to optimize your maintenance time

Gain nearly 15 min. on changing your wear parts

7 screws and disassembly only by front side



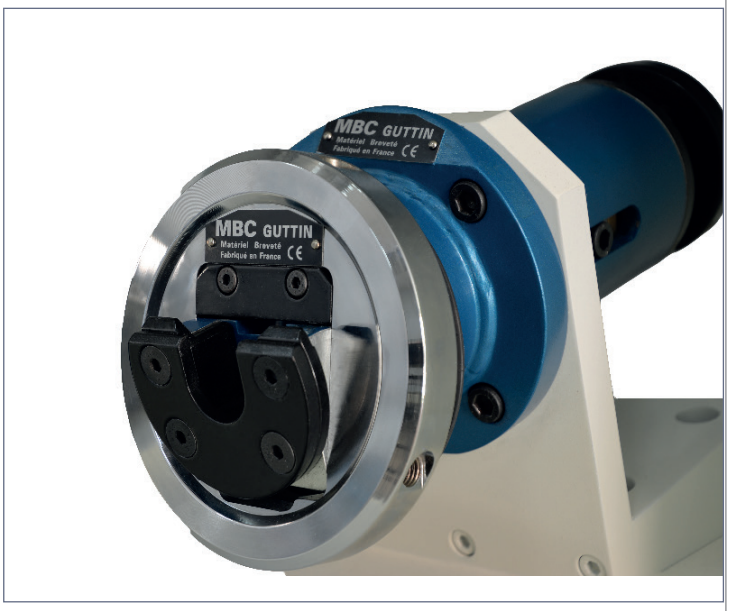
Safety Chuck

Axial sliding Manual Safety Chuck

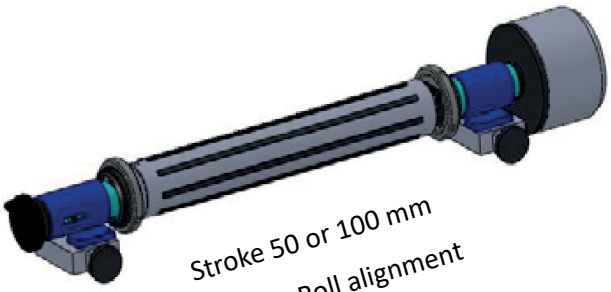
Serie 1150 and 1250

Advantages

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

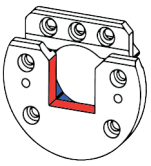


Control



Stroke 50 or 100 mm
- Roll alignment
- Edge Control

+



Ideal with double geometry

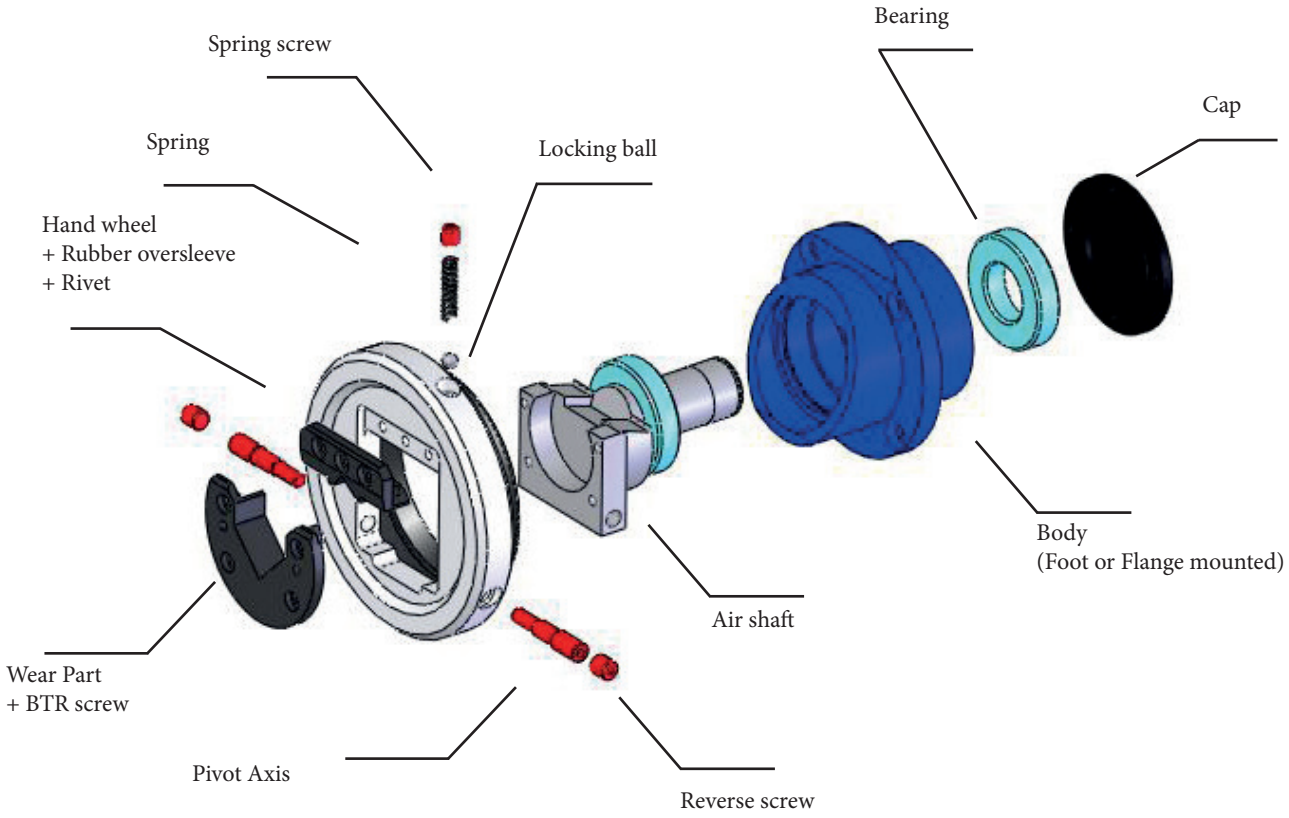
Type VPU

Ex : AV – EV – BV

Composition of a Safety Chuck MBC Guttin,

Classic manual Safety Chuck

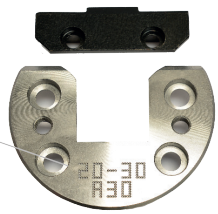
Identification of the different parts :



Identification of the Wear Parts :

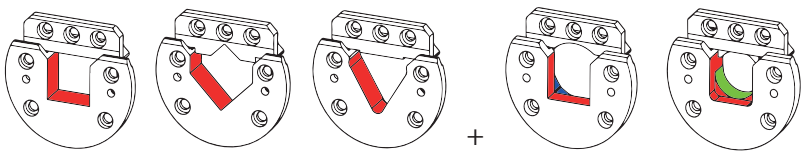
- Exemple -
Safety Chuck Model :
20/30
Type A - PU (Wear Parts)
Square 30 mm

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 his reference. Each reference is different for each product.

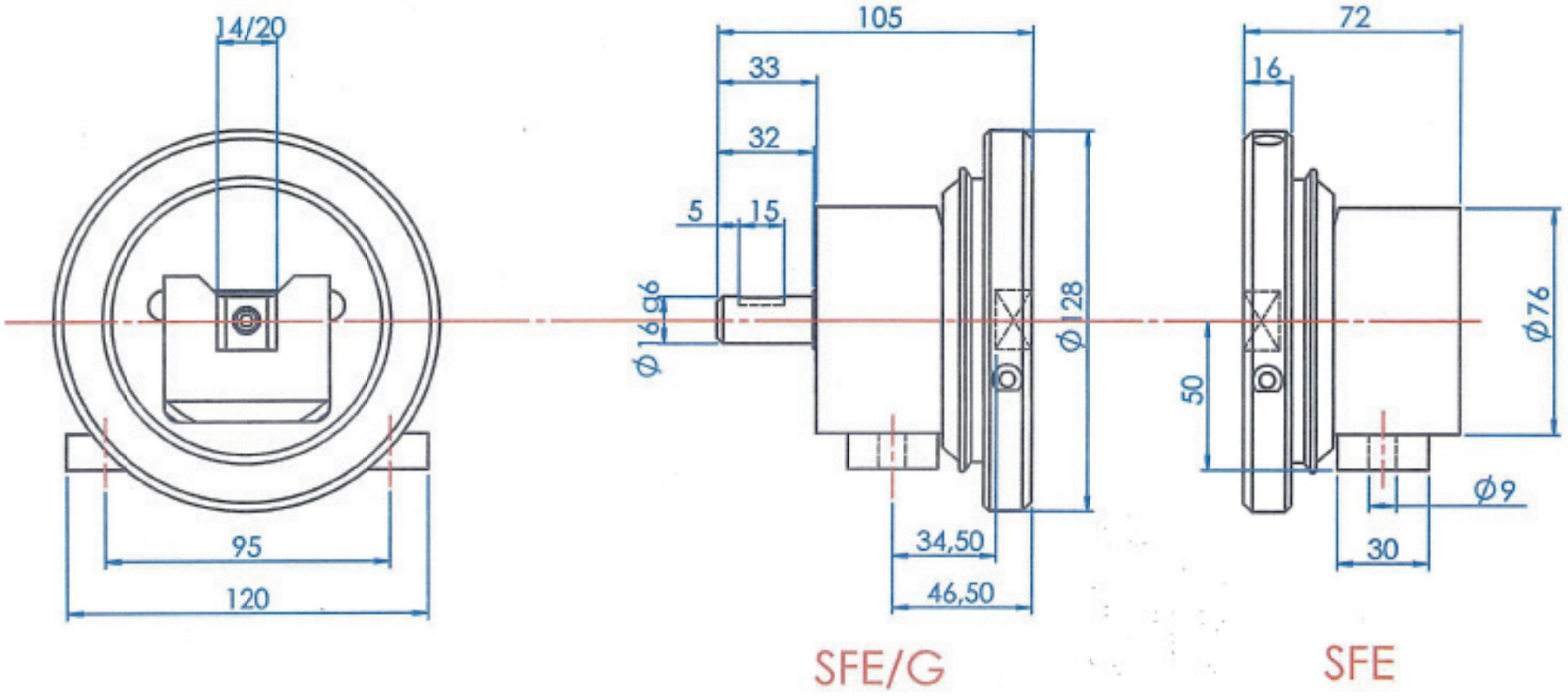


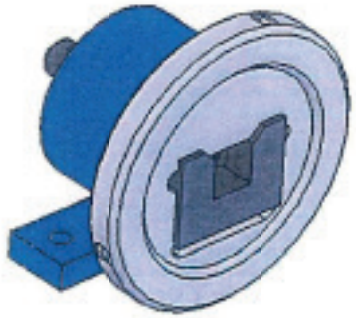
+ possibility of adding a Lock Type 1 or Type 2

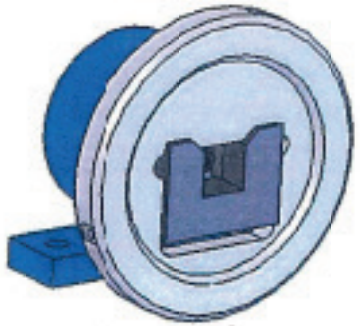
Layout map

- Manual Safety Chuck

Chuck serie
150 and 250







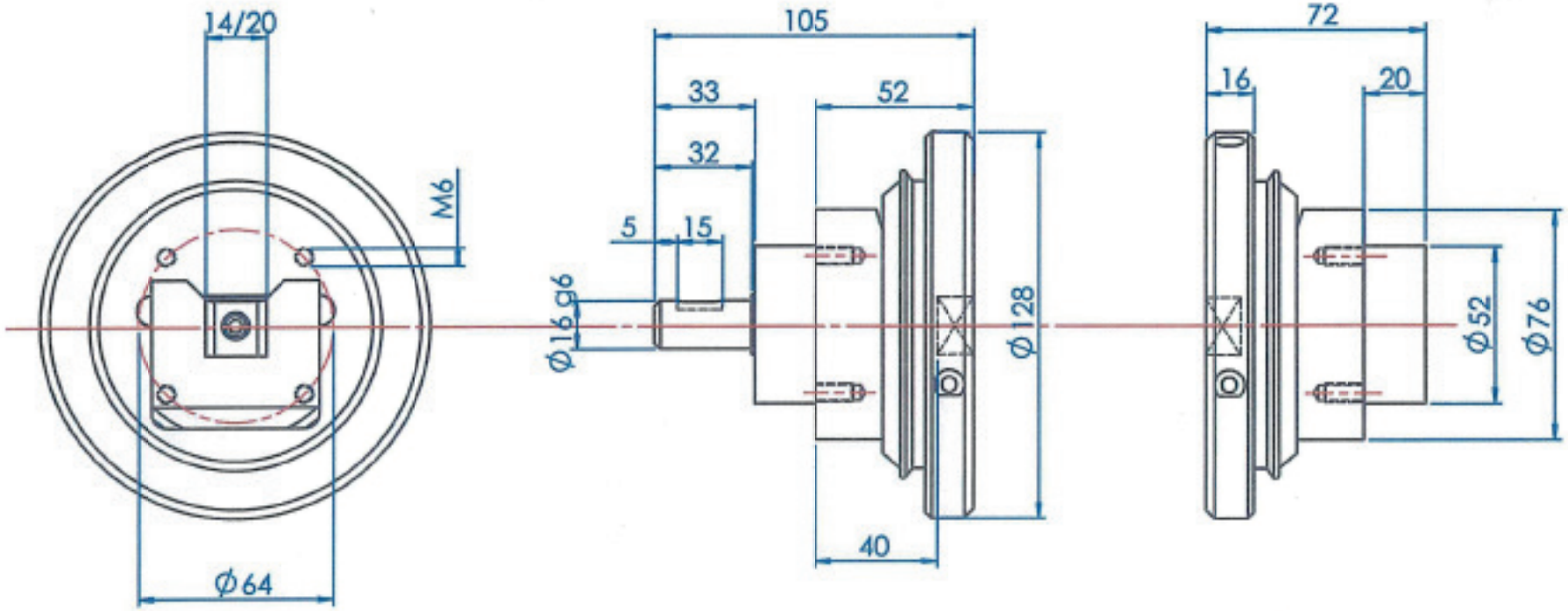
SAFETY CHUCK SERIE 150 14/20

Square : 14 to 20 depth 12

Rollweight : 1500 N

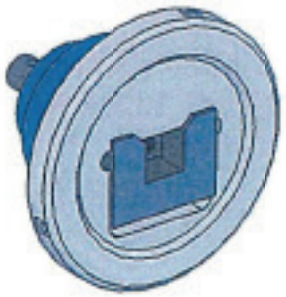
Torque : 40 Nm

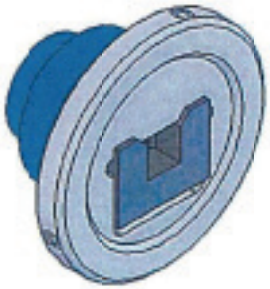
MBC Guttin



SFE/G

SFE





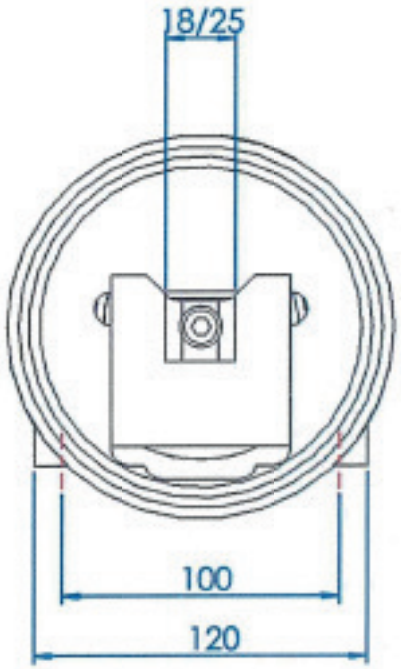
SAFETY CHUCK SERIE 250 14/20

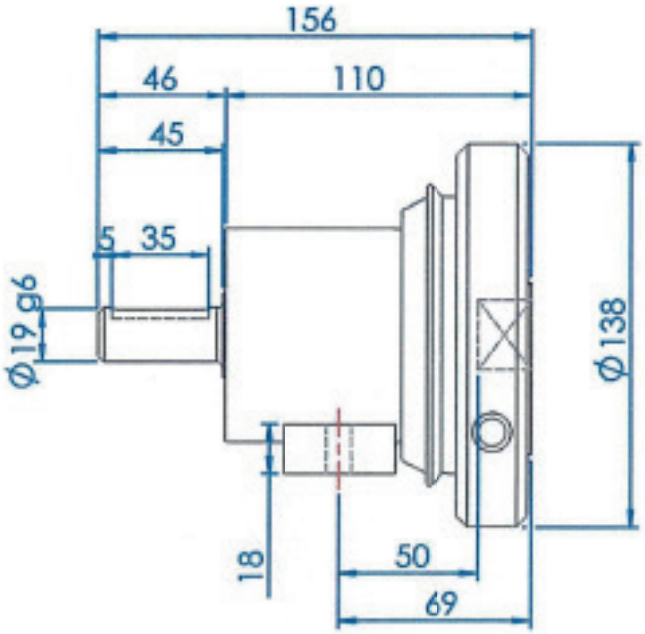
Square : 14 to 20 depth 12

Rollweight : 1500 N

Torque : 40 Nm

MBC Guttin





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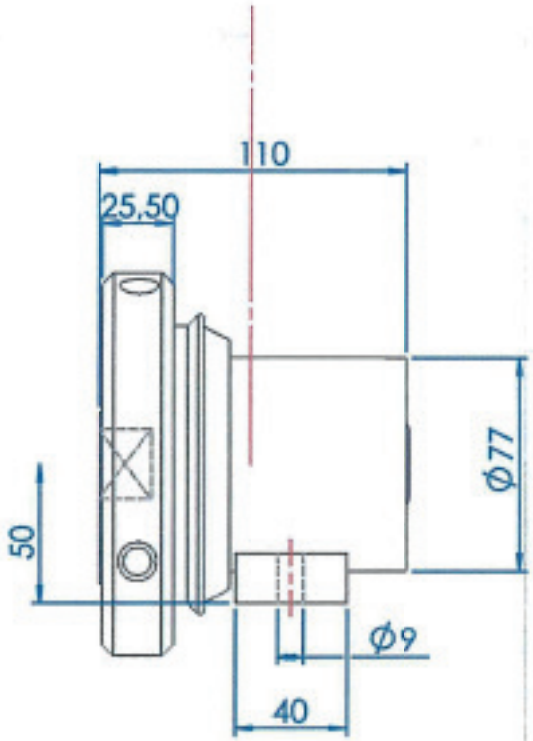

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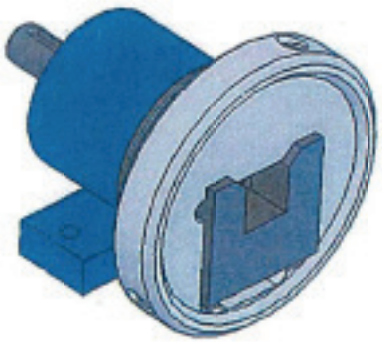
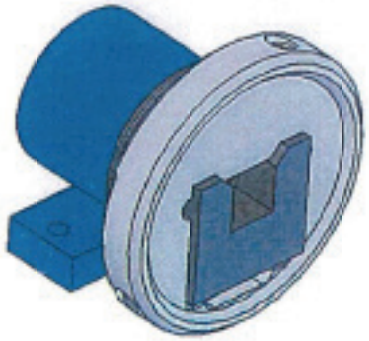




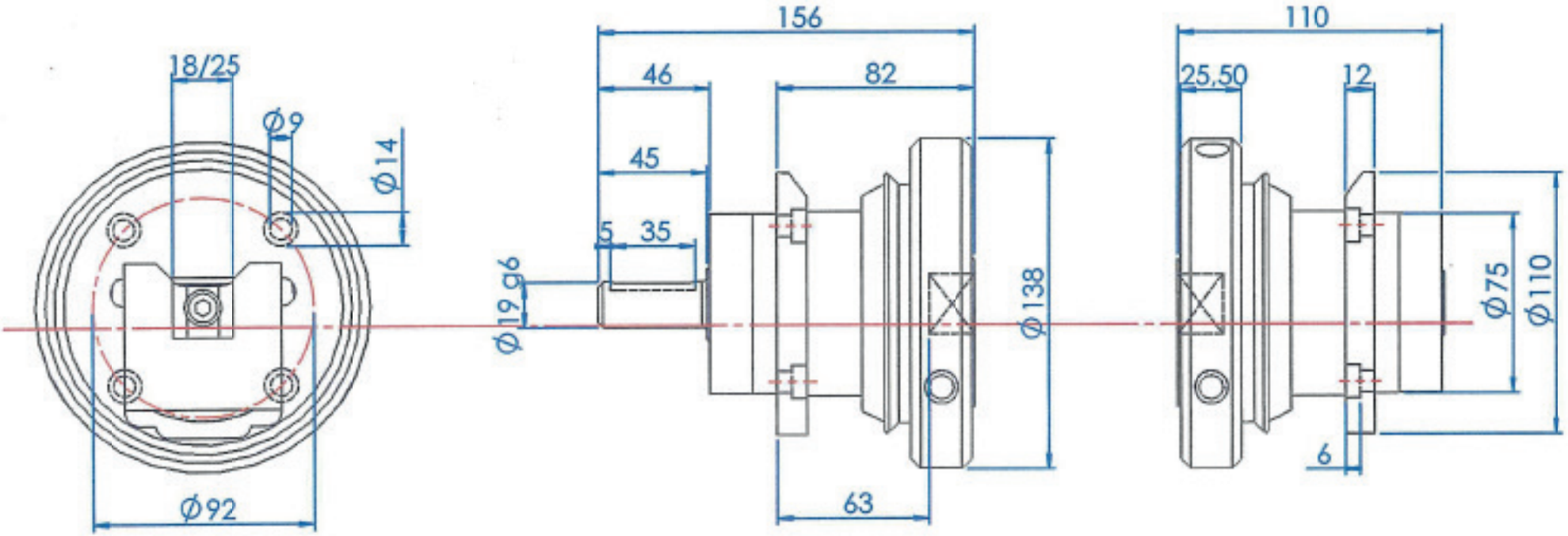
SAFETY CHUCK SERIE 150 18/25

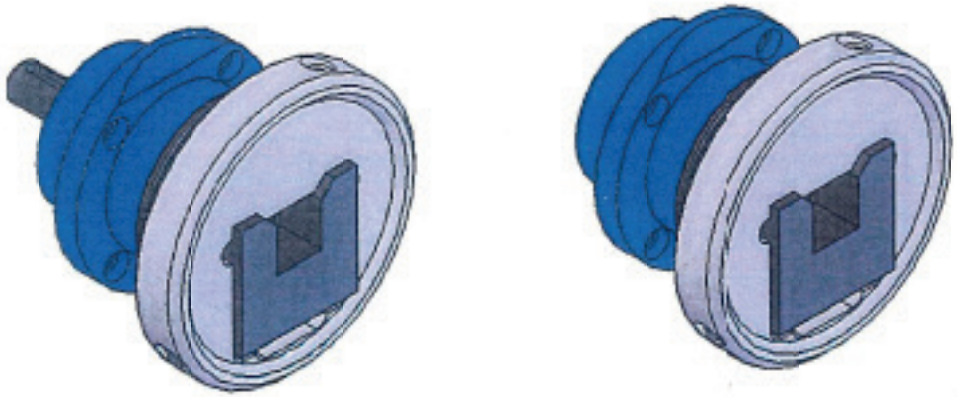
Square : 18 to 25 depth 19

Rollweight : 4000N

Torque : 120Nm

MBC Guttin





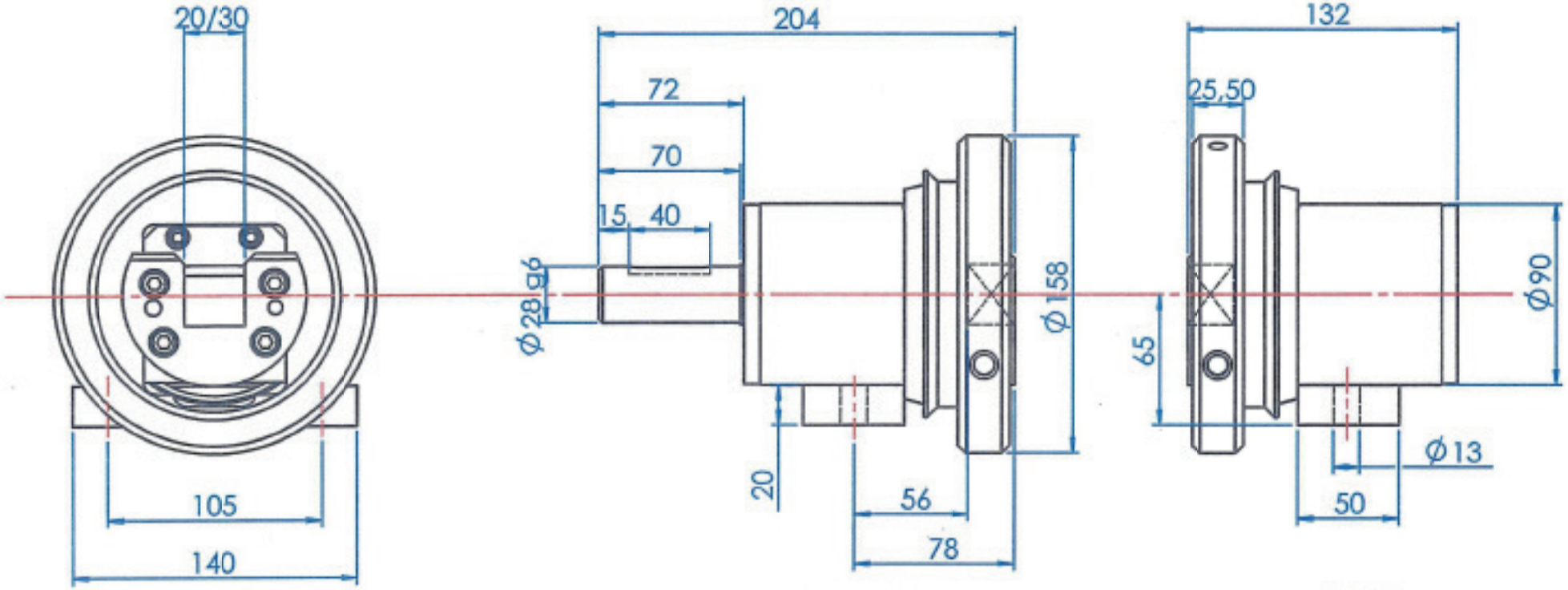
SAFETY CHUCK SERIE 250 18/25

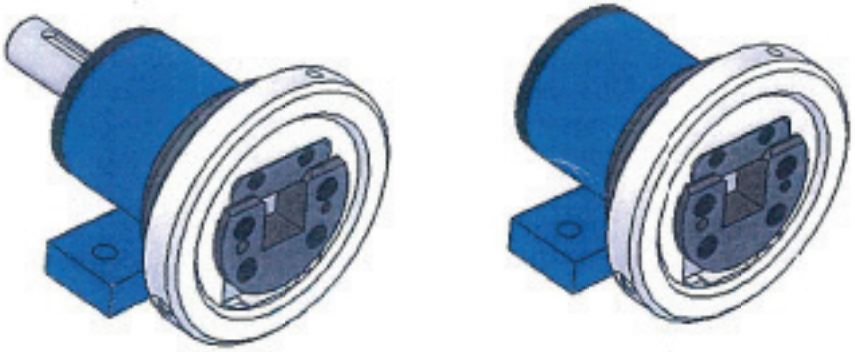
Square : 18 to 25 depth 19

Rollweight : 4000N

Torque : 120 Nm

MBC Guttin





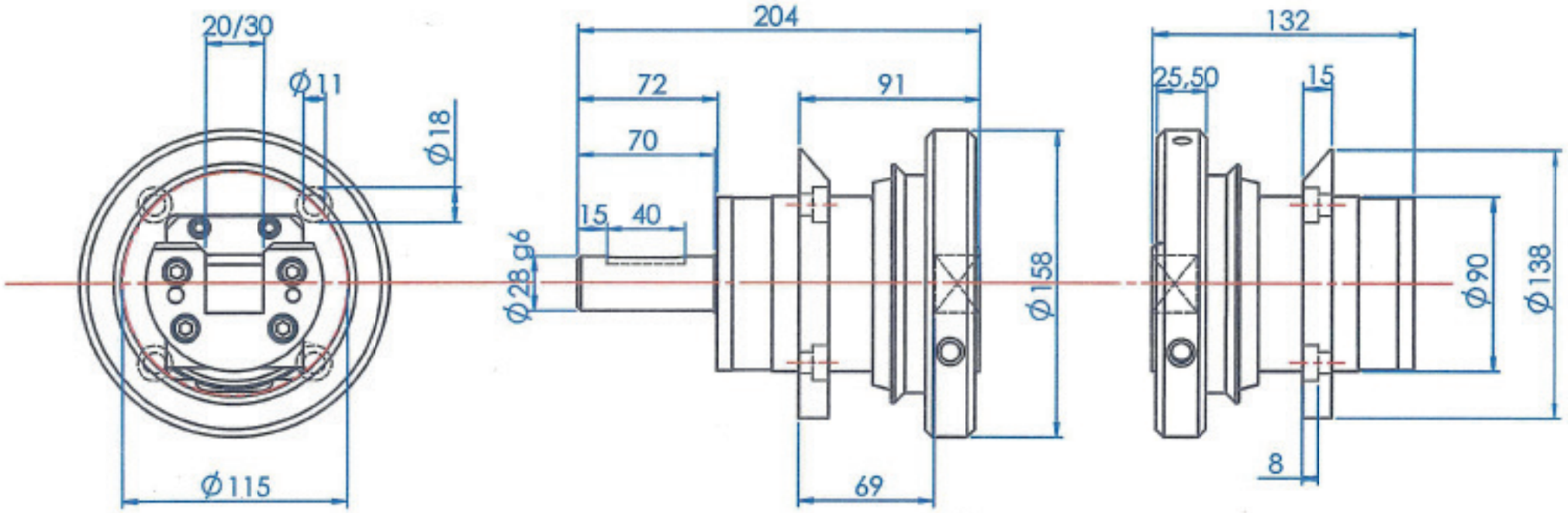
SAFETY CHUCK SERIE 150 20/30

Square : 20 to 30 depth 22

Weight : 8000 N

Torque : 185 Nm

MBC Guttin



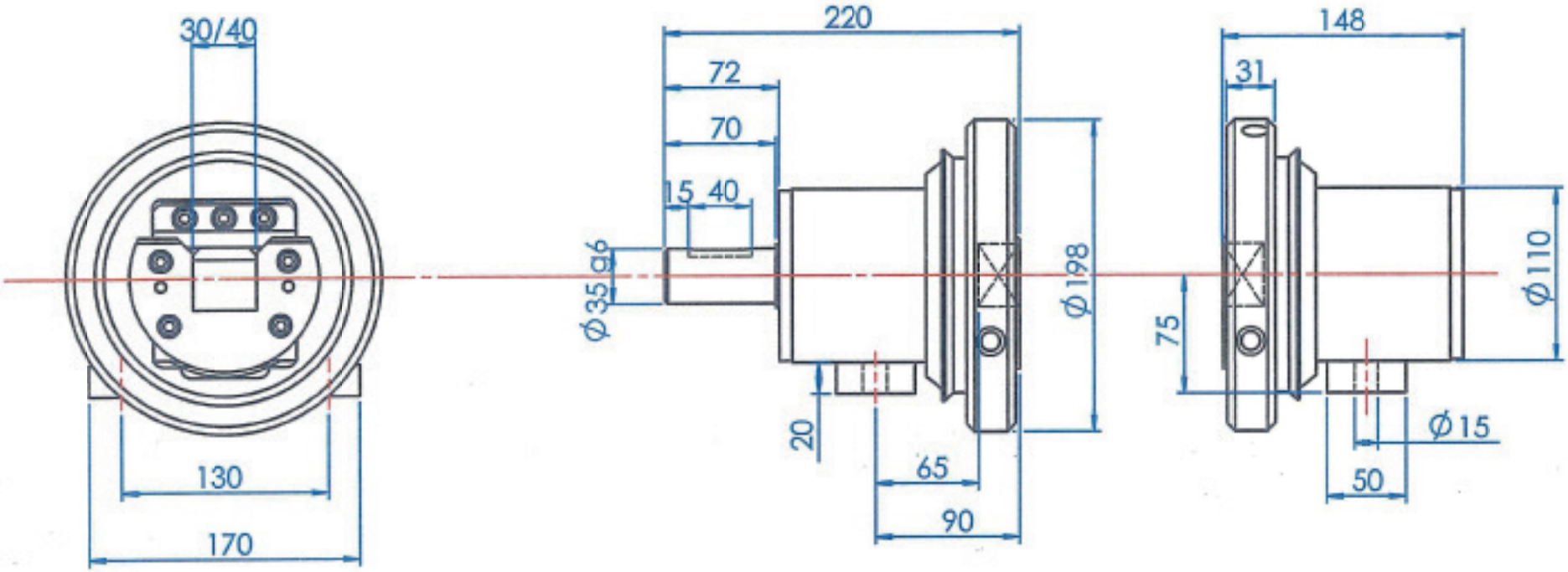
SAFETY CHUCK SERIE 250 20/30

Square : 20 to 30 depth 22

Rollweight : 8000 N

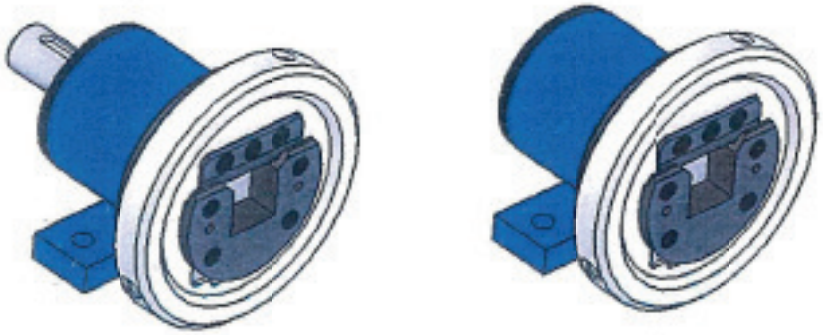
Torque : 185 Nm

MBC Guttin



SFE/G

SFE



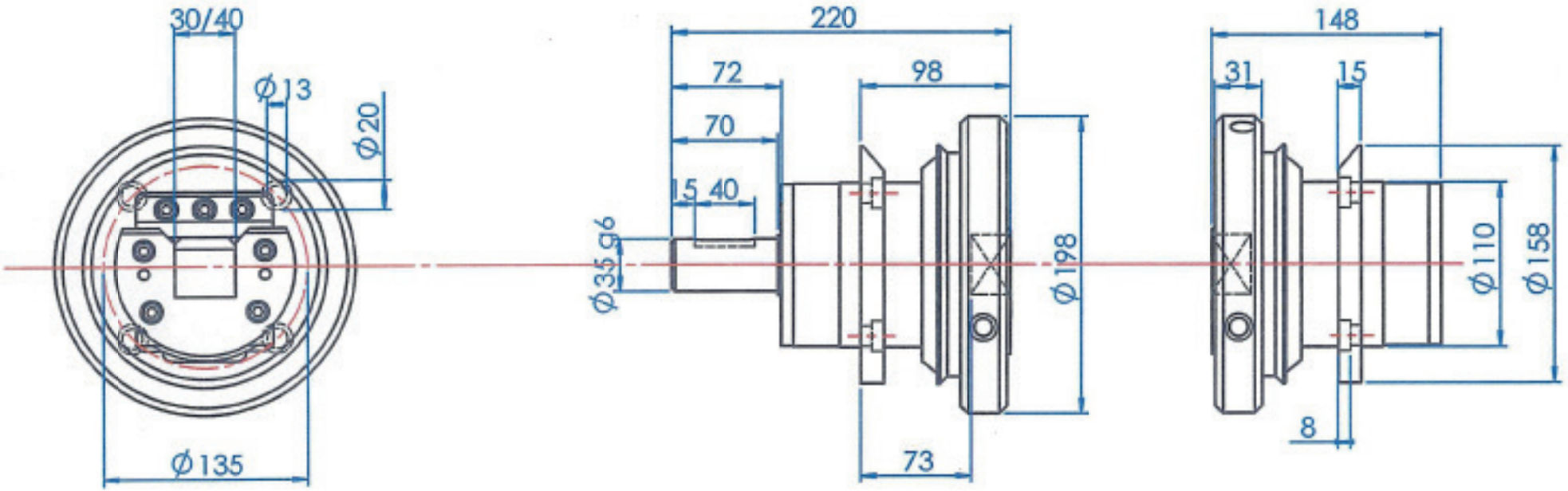
SAFETY CHUCK SERIE 150 30/40

Square : 30 to 40 depth 25

Rollweight : 16000 N

Torque : 350 Nm

MBC Guttin



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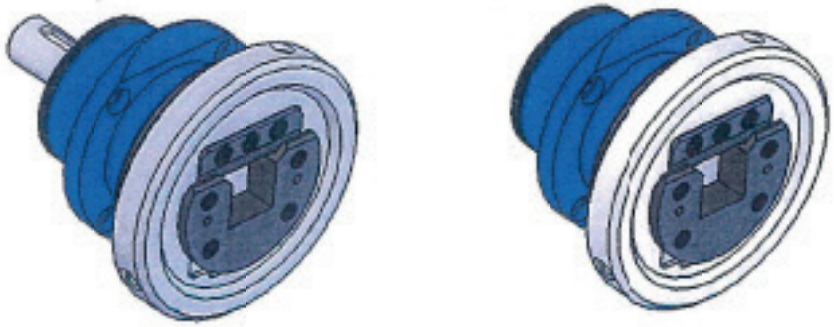


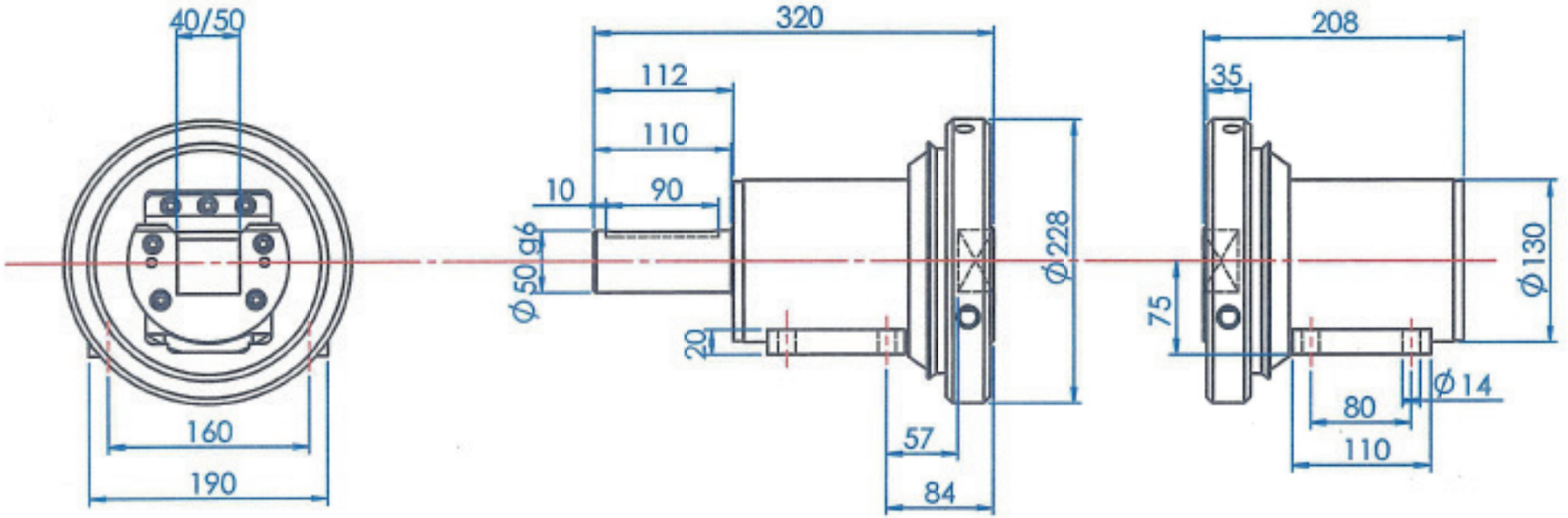
SAFETY CHUCK SERIE 250 30/40

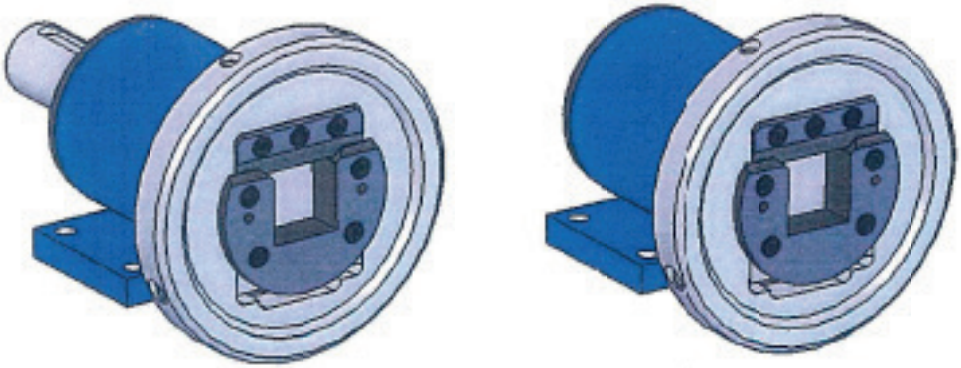
Square : 30 to 40 depth 25

Rollweight : 16000 N

Torque : 350 Nm

MBC Guttin





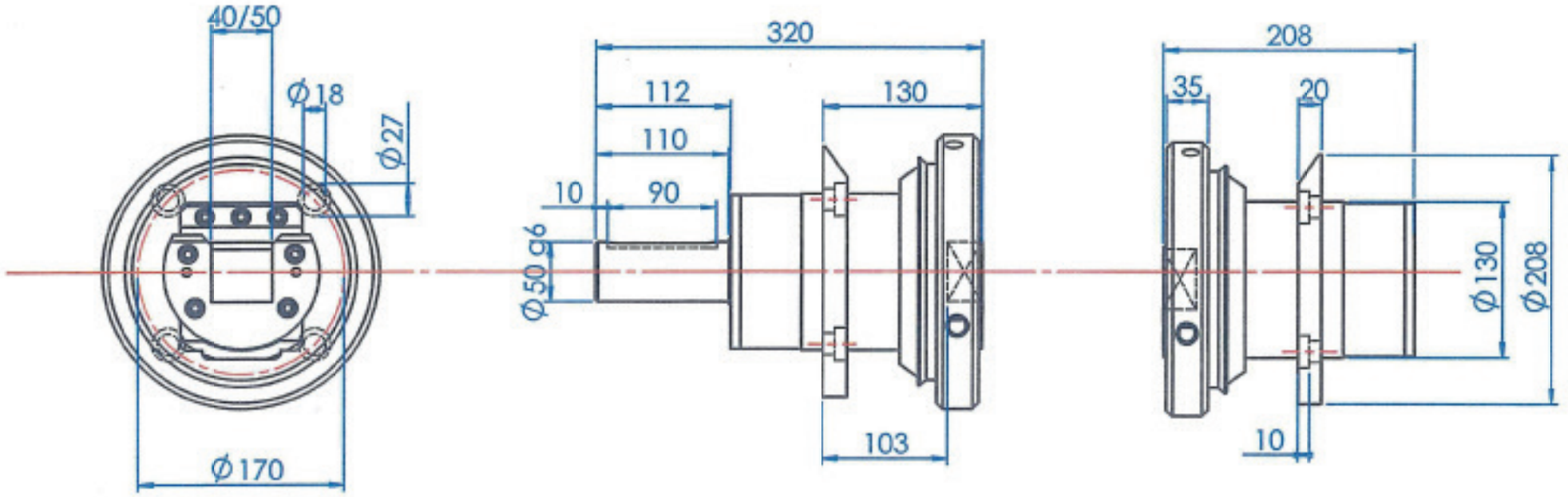
SAFETY CHUCK SERIE 150 40/50

Square : 40 to 50 depth 27

Rollweight : 28500 N

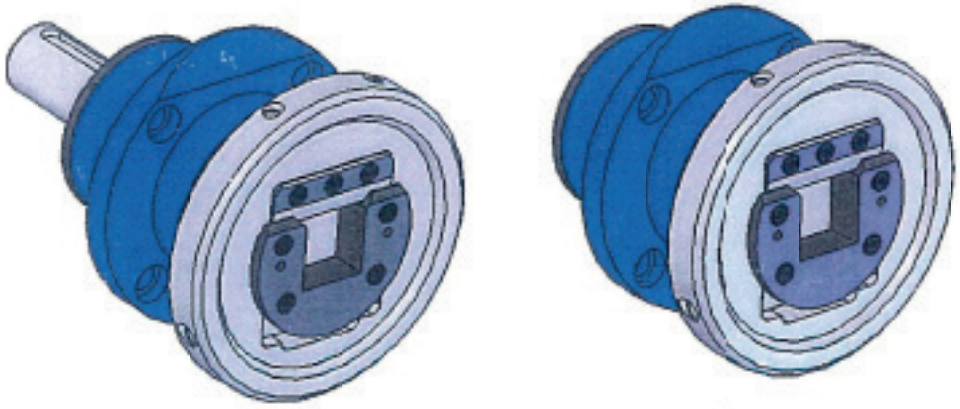
Torque : 1100 Nm

MBC Guttin



SFE/G

SFE



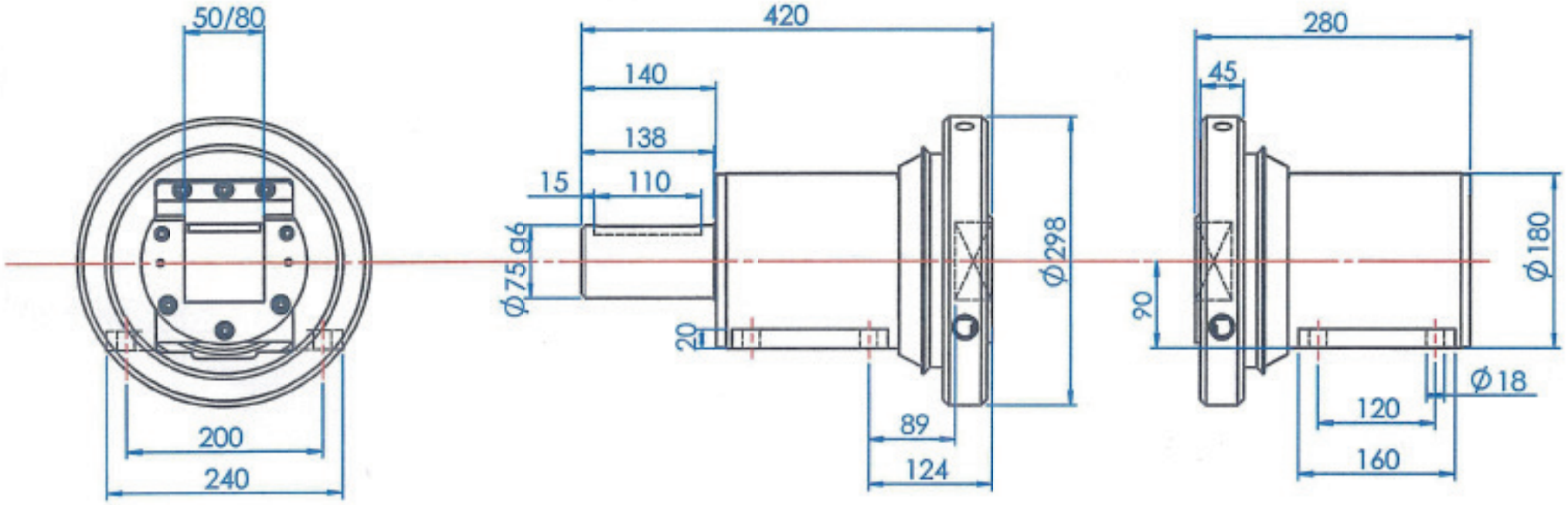
SAFETY CHUCK SERIE 250 40/50

Square : 40 to 50 depth 27

Rollweight : 28500 N

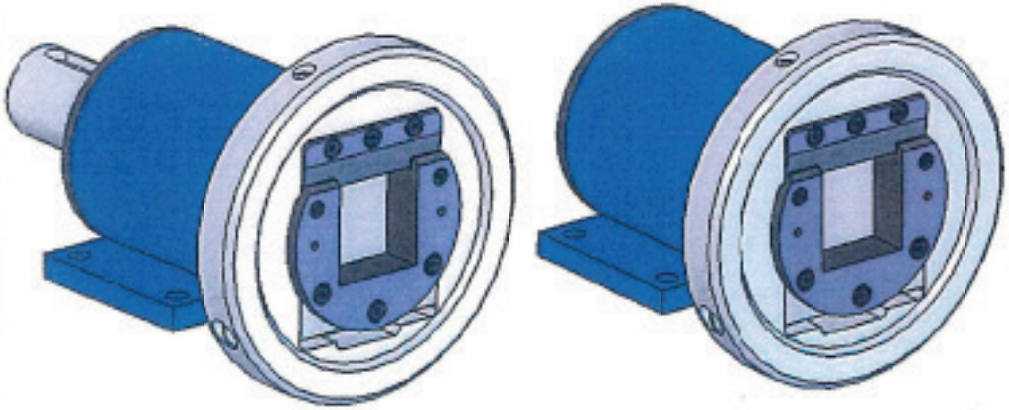
Torque : 1100 Nm

MBC Guttin



SFE/G

SFE



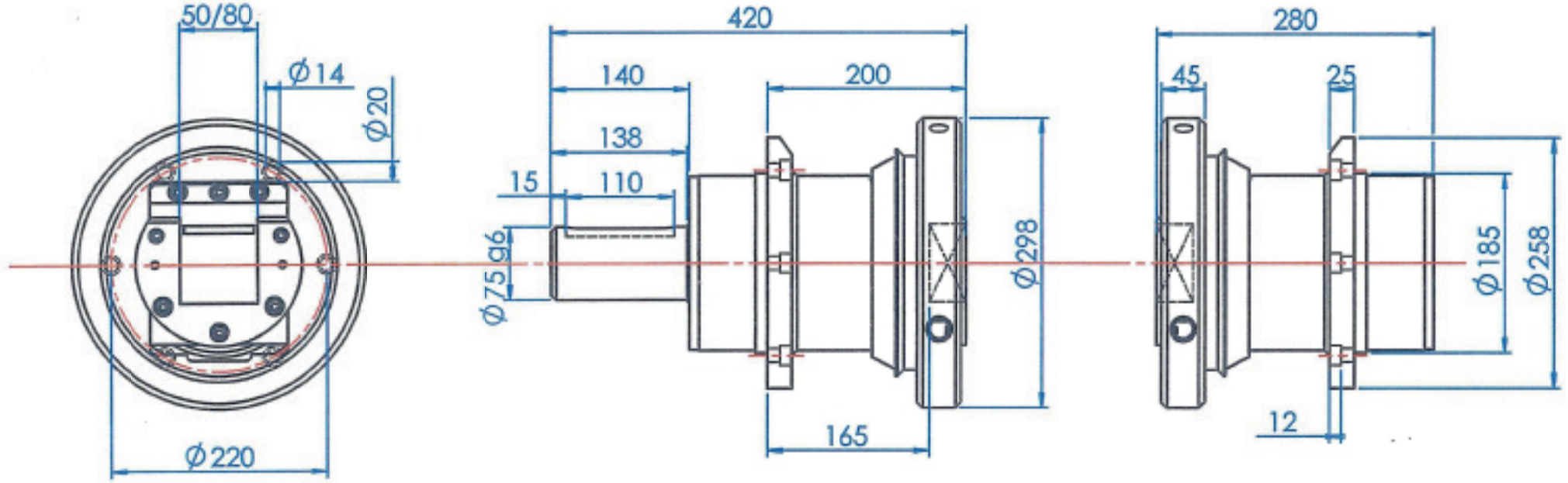
SAFETY CHUCK SERIE 150 50/80

Square : 50 to 80 depth 35

Rollweight : 72000 N

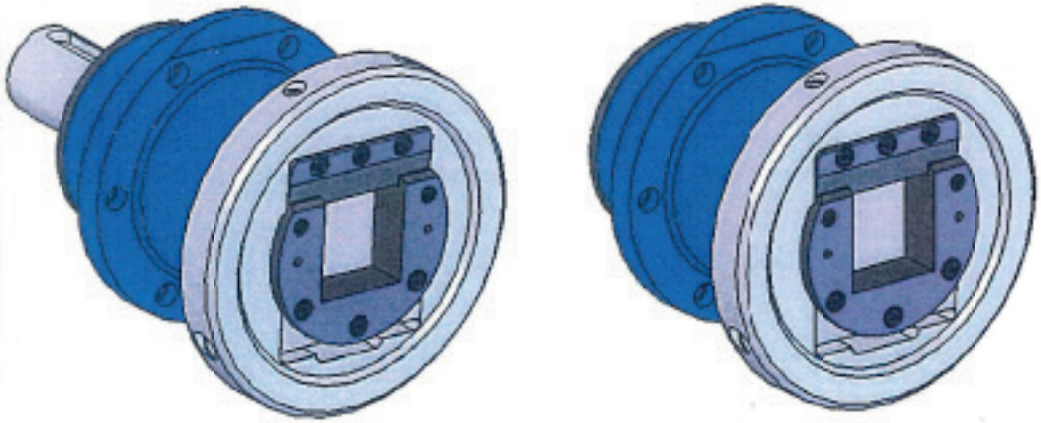
Torque : 2350 Nm

MBC Guttin



SFE/G

SFE



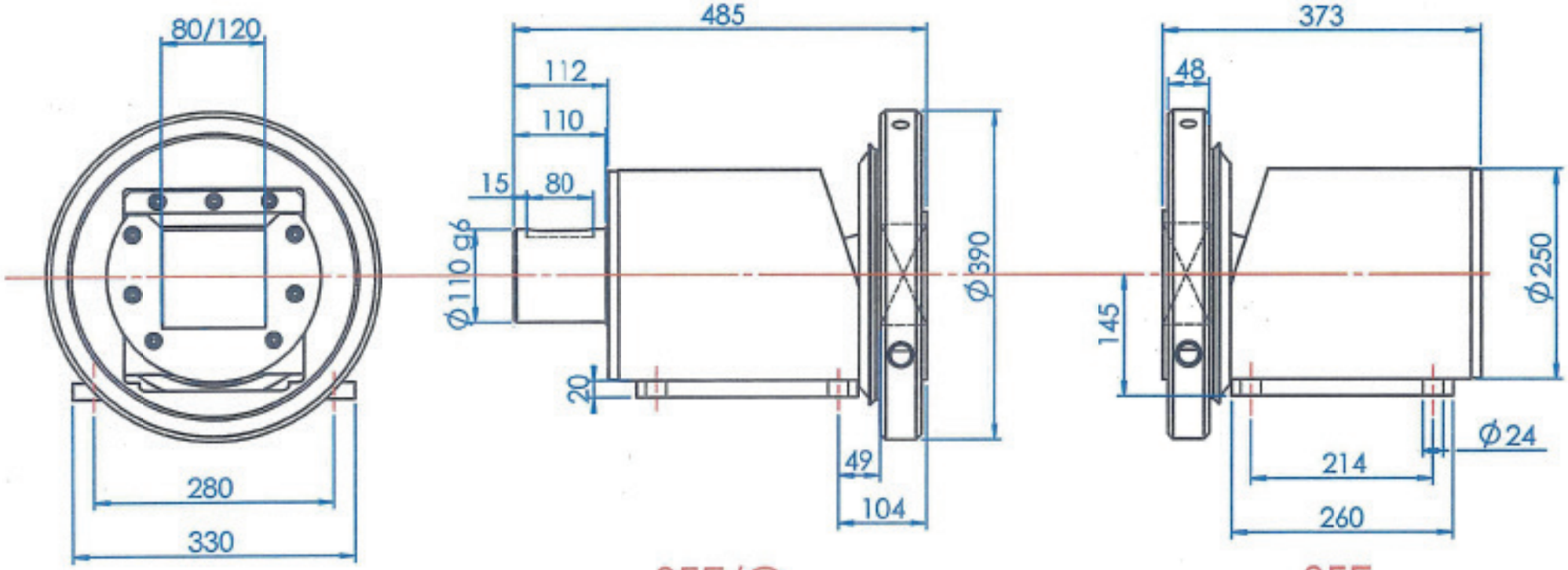
SAFETY CHUCK SERIE 250 50/80

Square : 50 to 80 depth 35

Rollweight : 72000 N

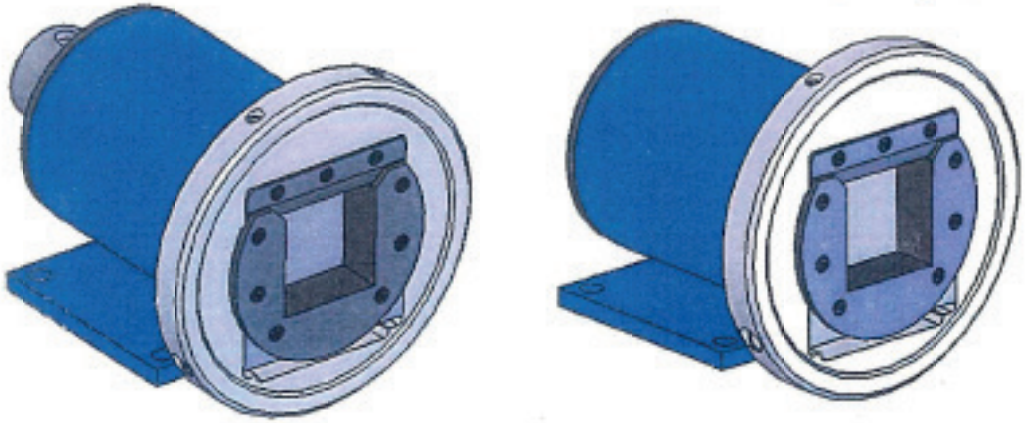
Torque : 2350 Nm

MBC Guttin



SFE/G

SFE



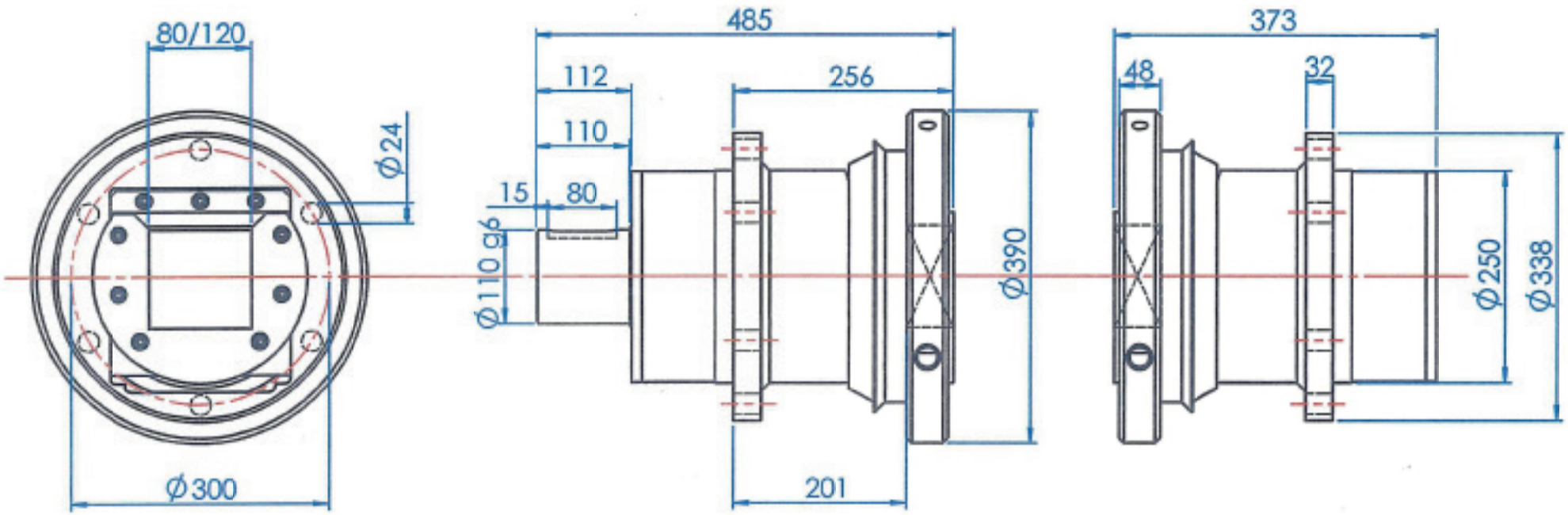
SAFETY CHUCK SERIE 150 80/120

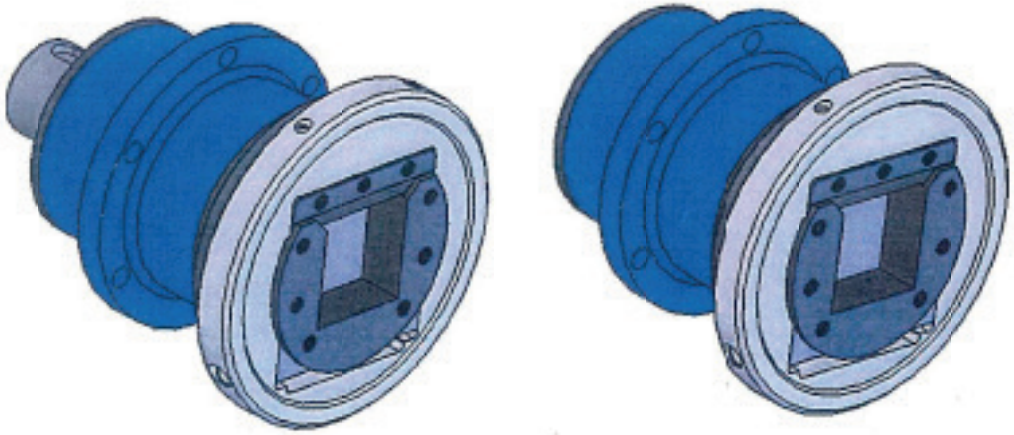
Square : 80 to 120 depth 55

Rollweight : 115000 N

Torque : 9000 Nm

MBC Guttin





SAFETY CHUCK SERIE 250 80/120

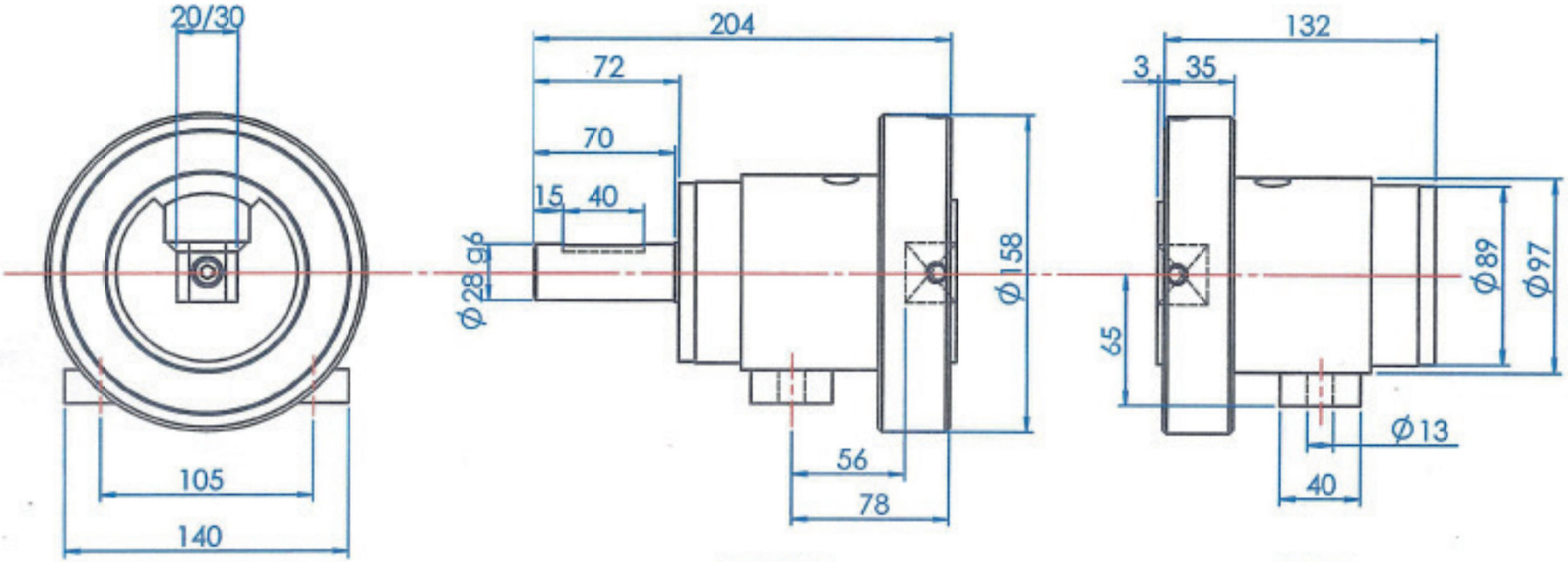
Square : 80 to 120 depth 55

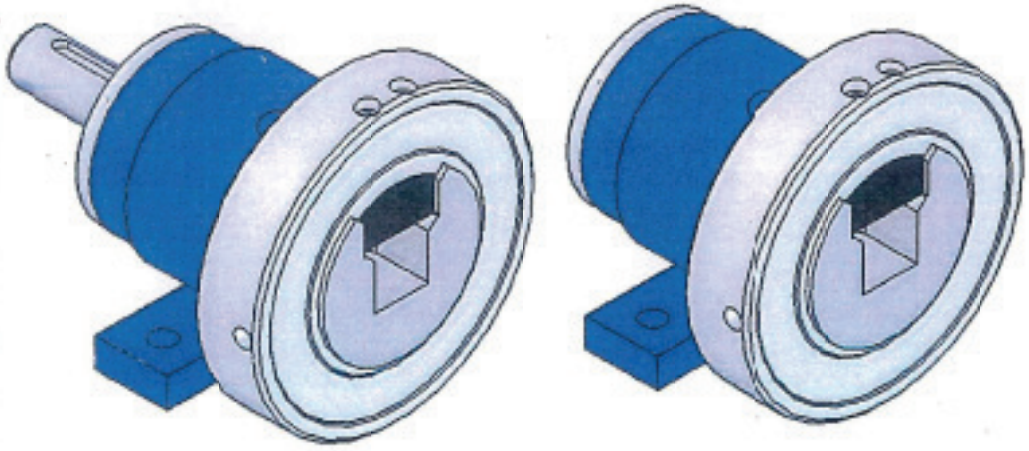
Rollweight : 115000 N

Torque : 9000 Nm

MBC Guttin

Safety Chuck serie 160 and 260





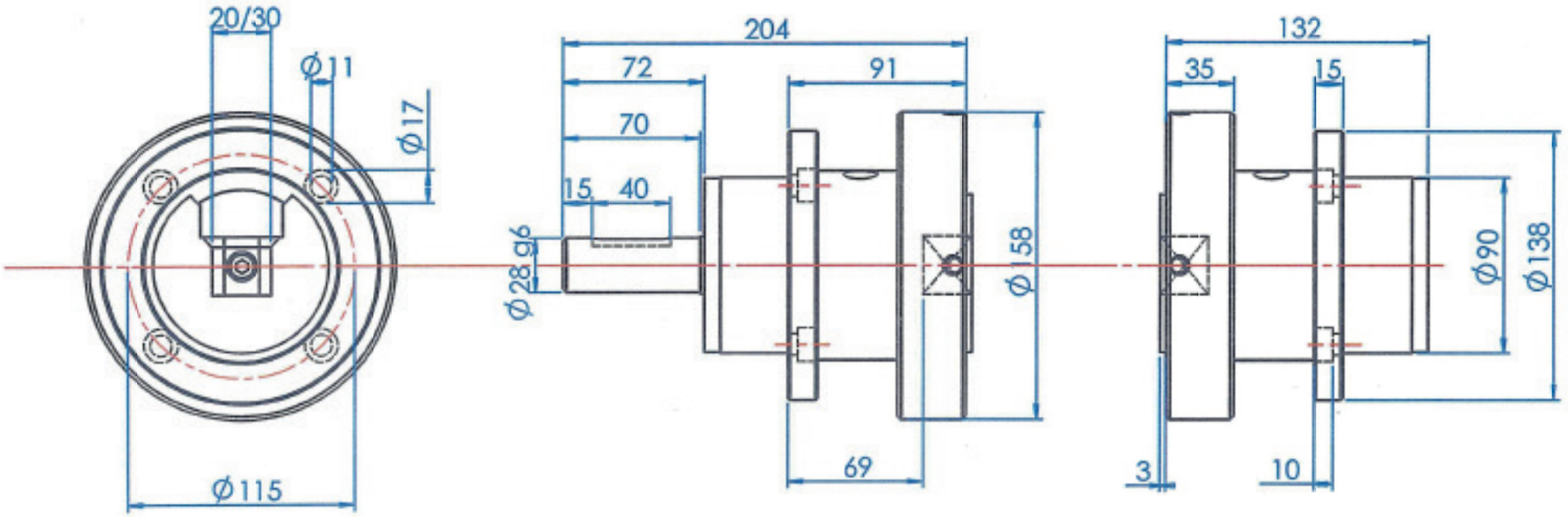
SAFETY CHUCK SERIE 160 20/30

Square : 20 to 30 depth 22

Rollweight : 8000 N

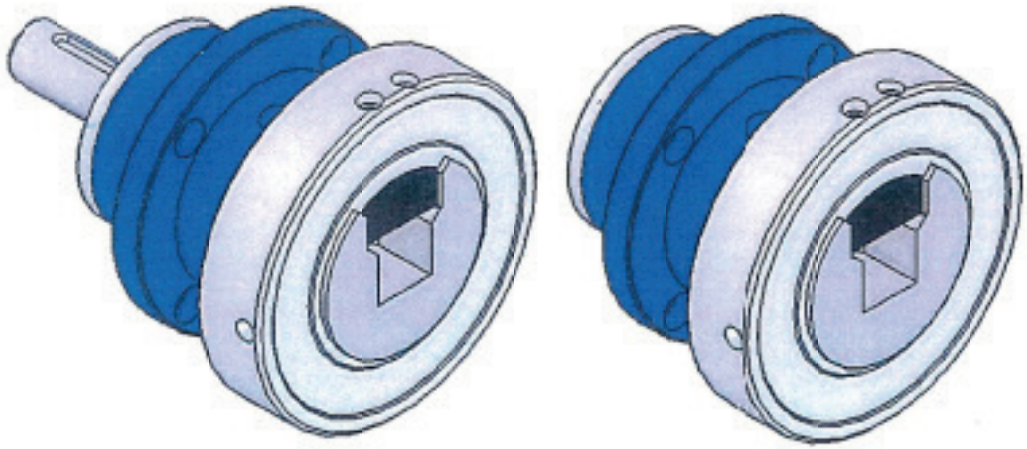
Torque : 185 Nm

MBC Guttin



SFE/G

SFE



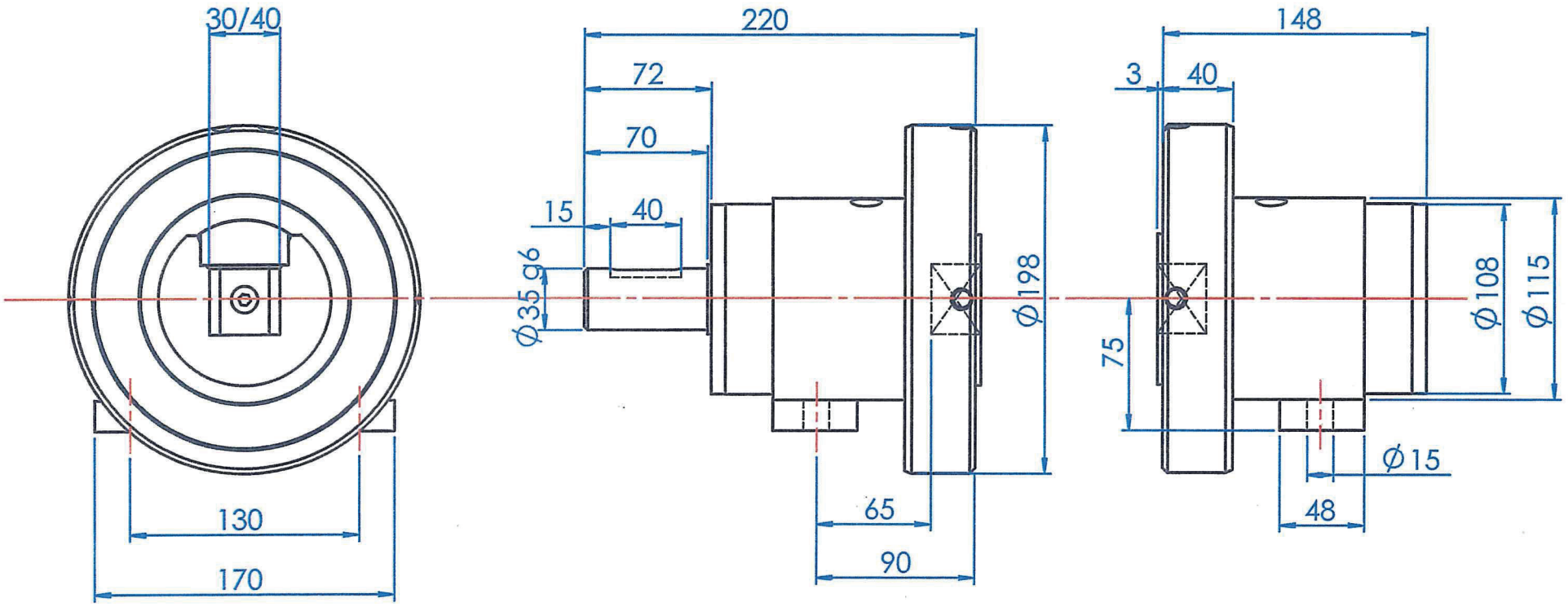
SAFETY CHUCK SERIE 260 20/30

Square : 20 to 30 depth 22

Rollweight : 8000 N

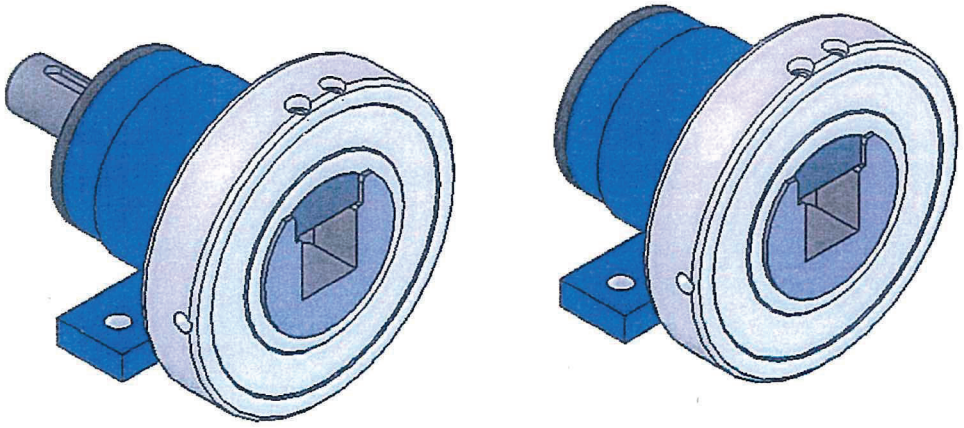
Torque : 185 Nm

MBC Guttin



SFE/G

SFE



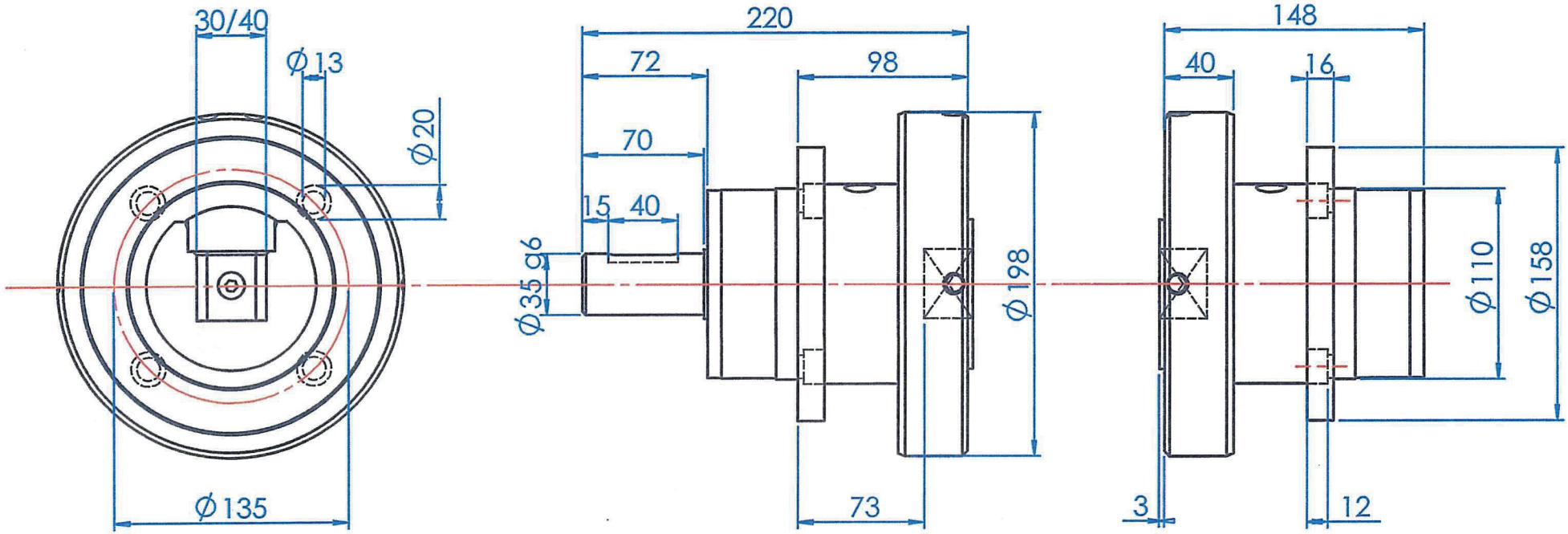
SAFETY CHUCK SERIE 160 30/40

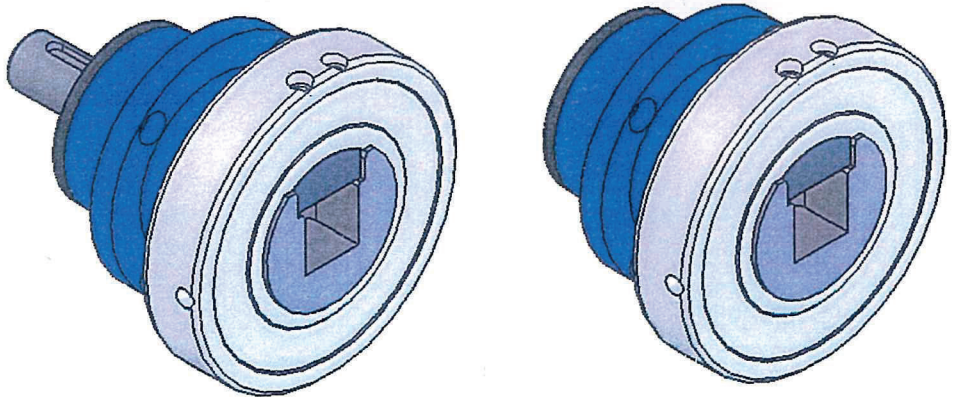
Square : 30 to 40 depth 25

Rollweight : 16000 N

Torque : 350 Nm

MBC Guttin





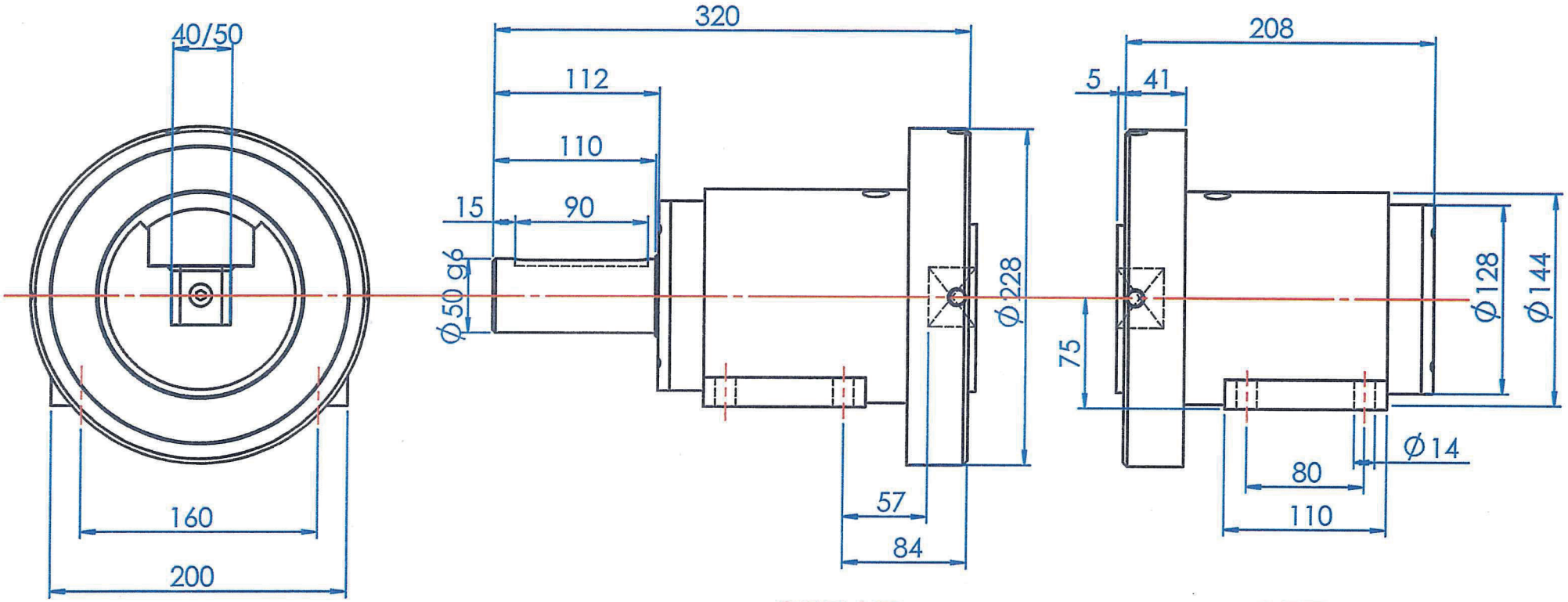
SAFETY CHUCK SERIE 260 30/40

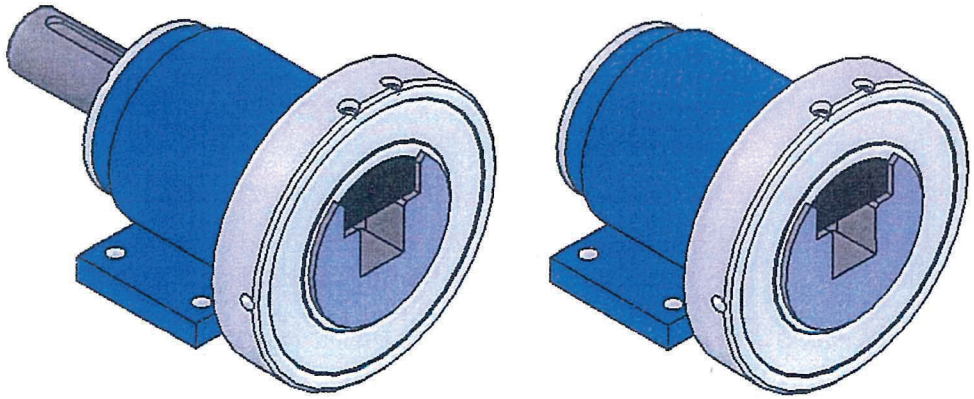
Square : 30 to 40 depth 25

Rollweight : 16000 N

Torque : 350 Nm

MBC Guttin





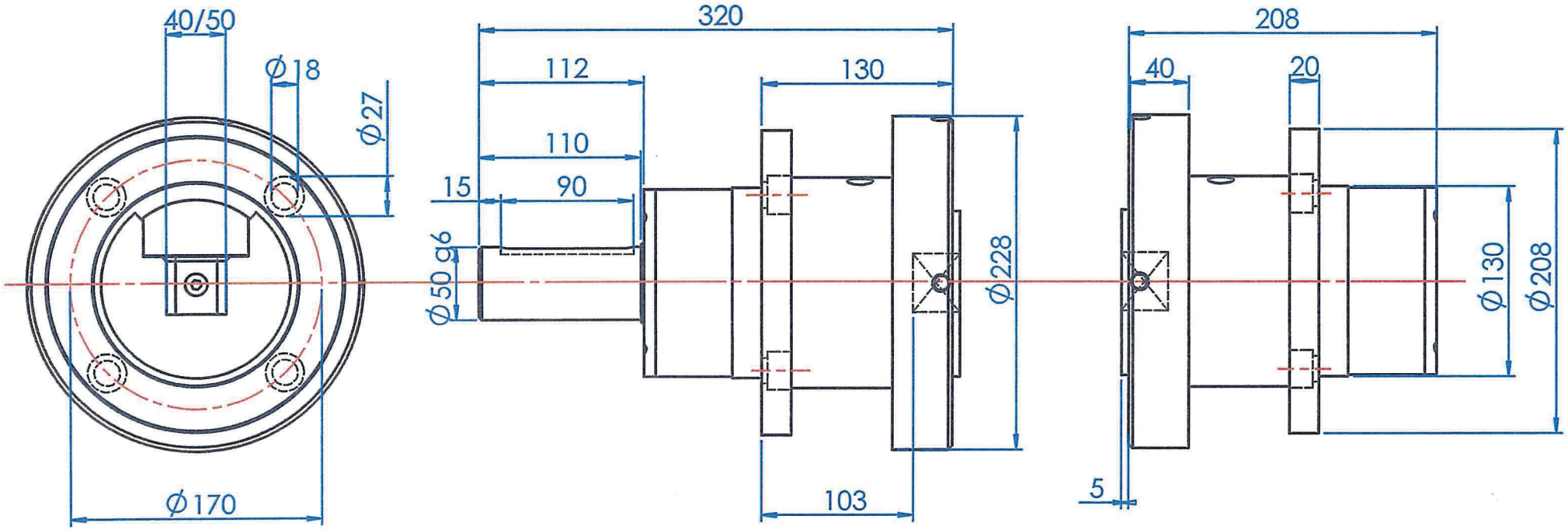
SAFETY CHUCK SERIE 160 40/50

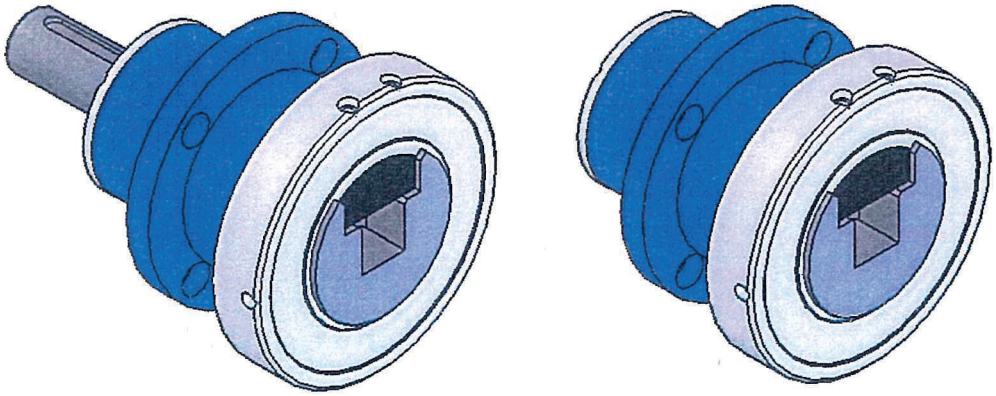
Square : 40 to 50 depth 27

Rollweight : 28500 N

Torque : 1100 Nm

MBC Guttin





SAFETY CHUCK SERIE 260 40/50

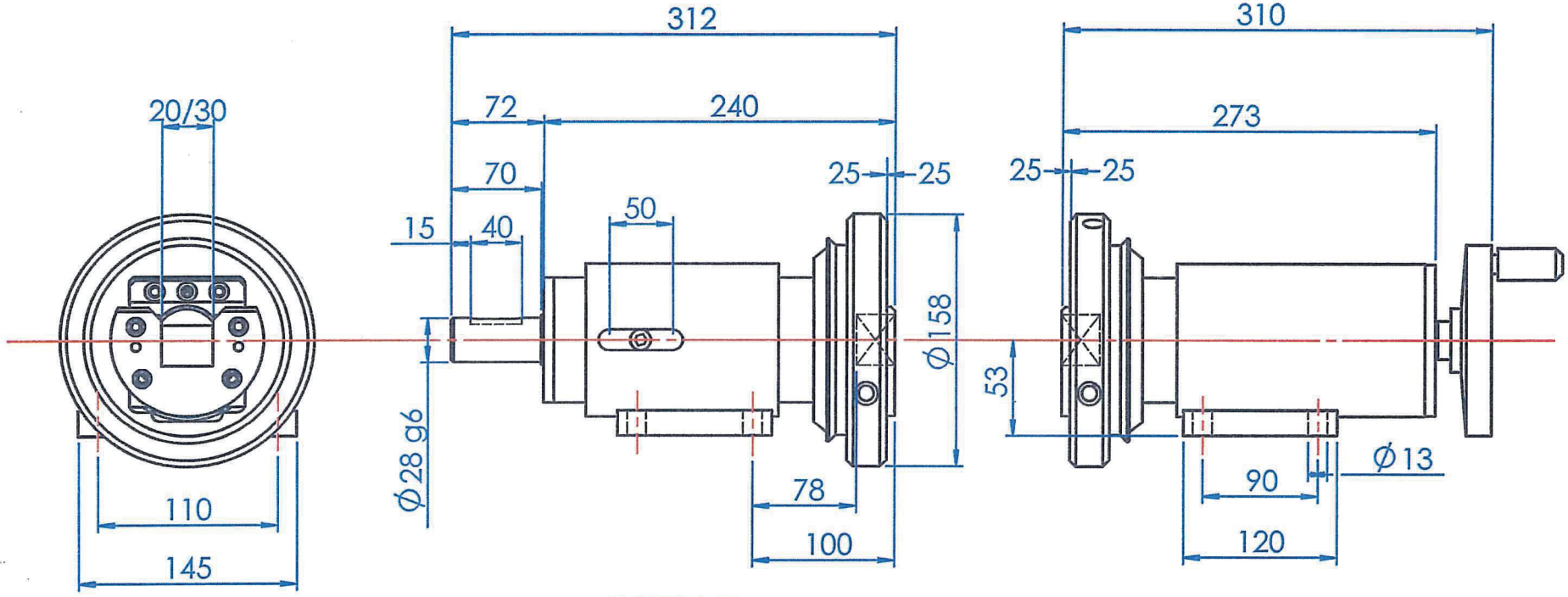
Square : 40 to 50 depth 27

Rollweight : 28500 N

Torque : 1100 Nm

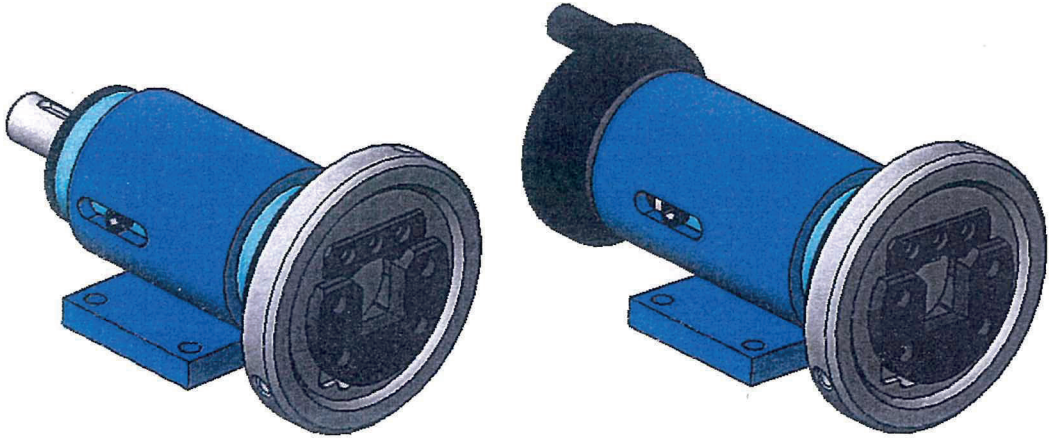
MBC Guttin

Chuck Serie
1150 and 1250



SFE/G

SFE



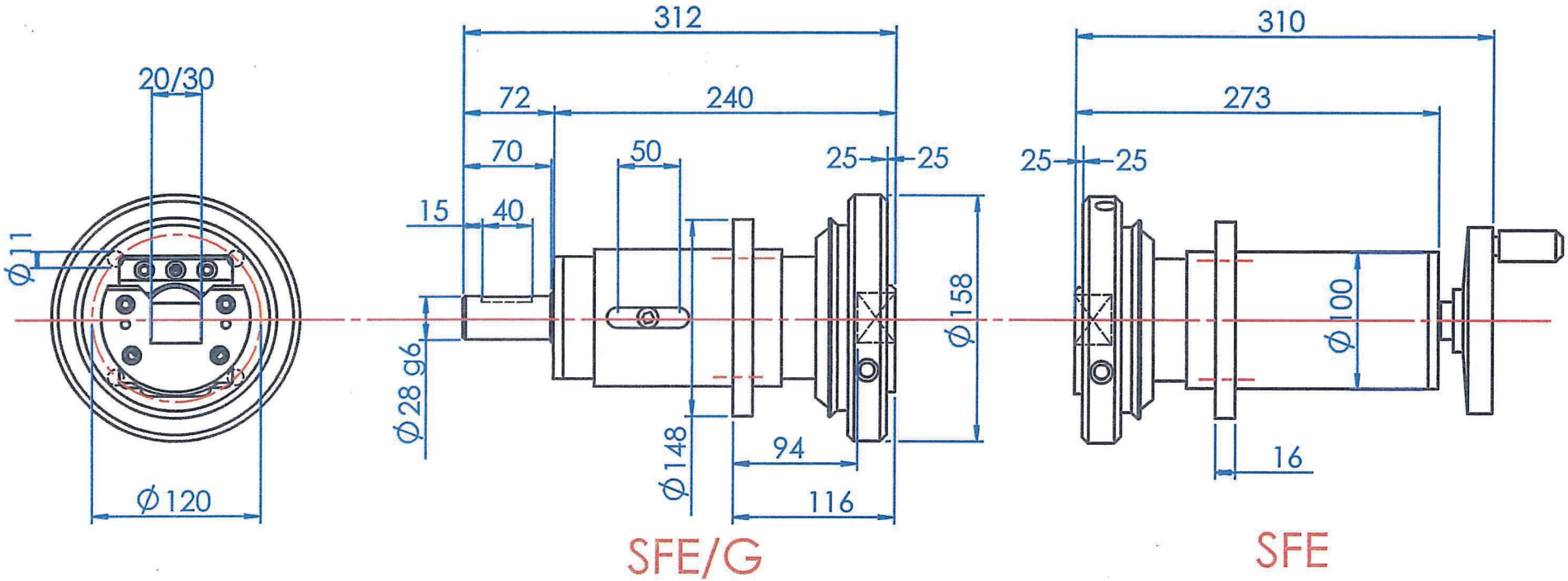
SAFETY CHUCK SERIE 1150 20/30
STROKE 50

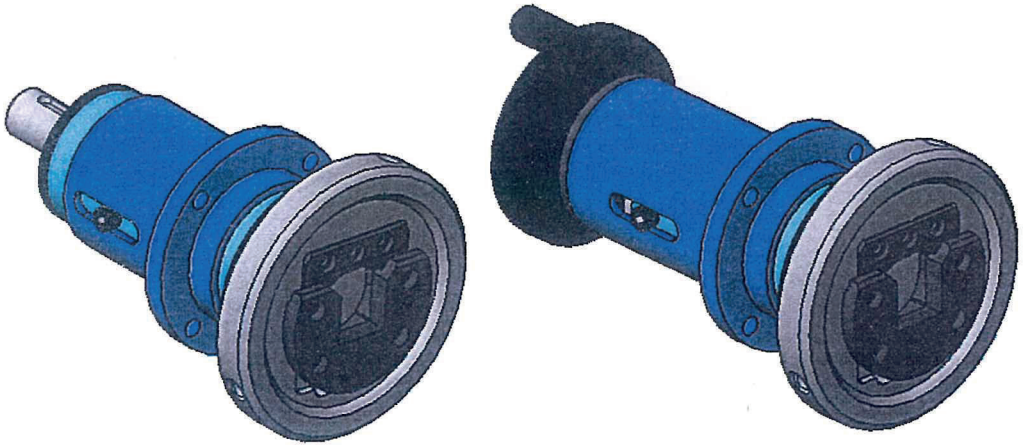
Square : 20 to 30 depth 22

Rollweight : 5600 N

Torque : 185 Nm

MBC Guttin





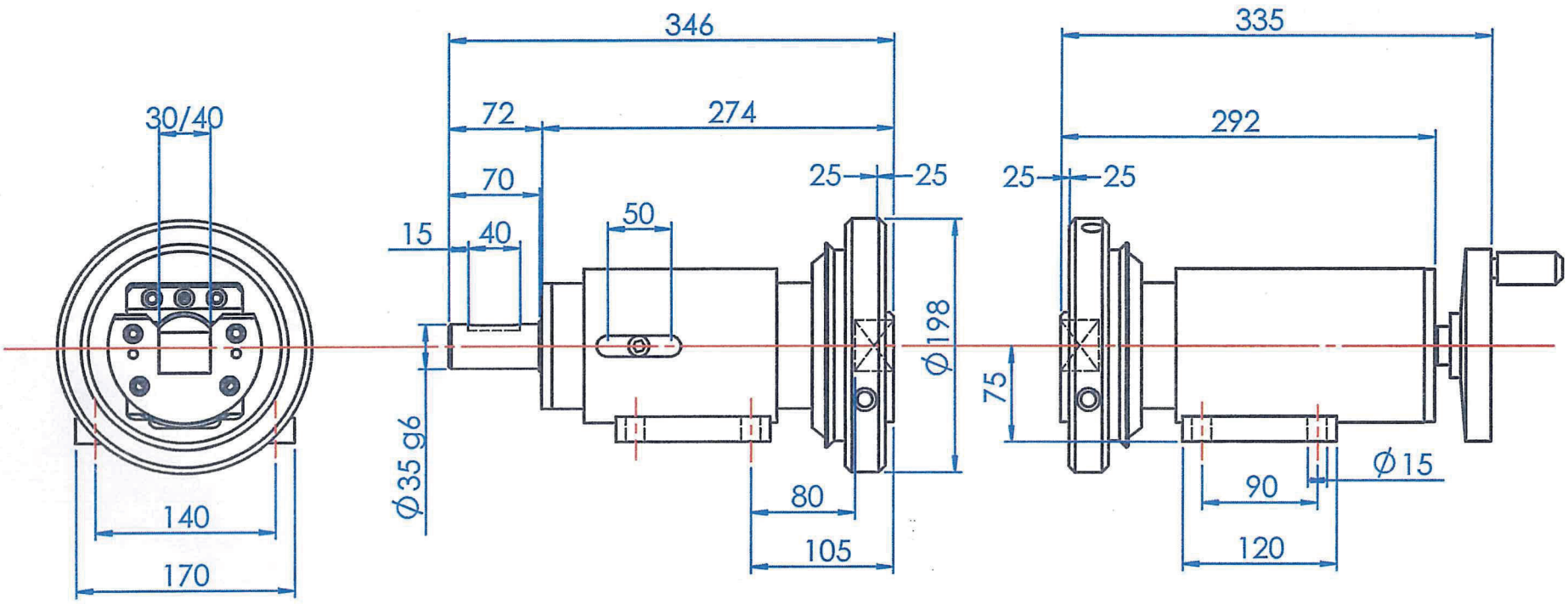
SAFETY CHUCK SERIE 1250 20/30 STROKE 50

Square : 20 to 30 depth 27

Rollweight : 5600 N

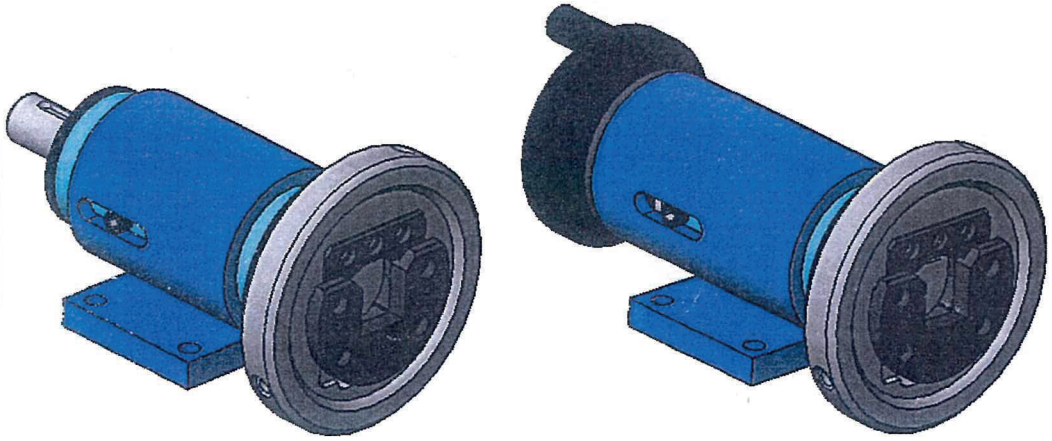
Torque : 185 Nm

MBC Guttin



SFE/G

SFE



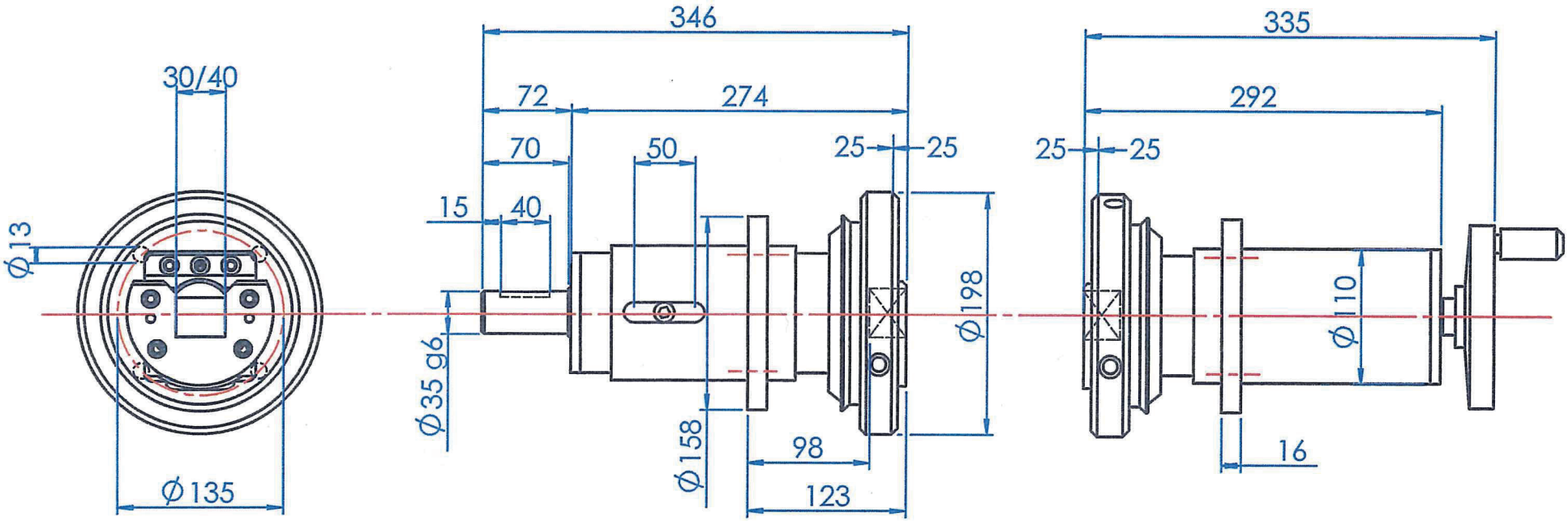
SAFETY CHUCK SERIE 1150 30/40
STROKE 50

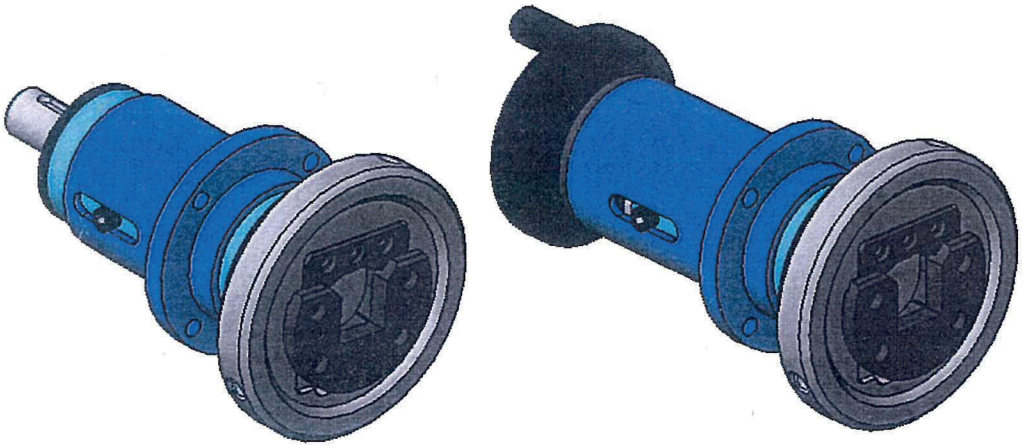
Square : 30 to 40 depth 25

Rollweight : 11000 N

Torque : 350 Nm

MBC Guttin





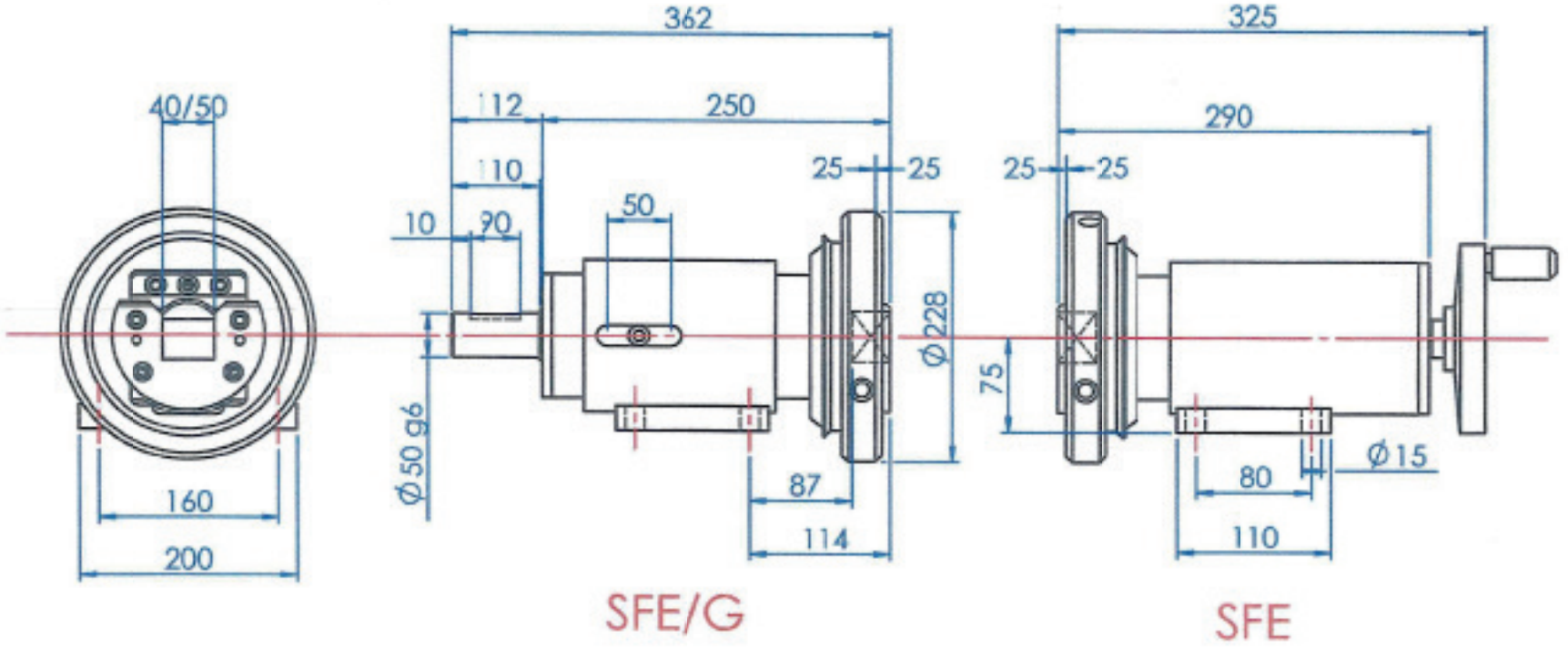
SAFETY CHUCK SERIE 1250 30/40
STROKE 50

Square : 30 to 40 depth 25

Rollweight : 11000 N

Torque : 350 Nm

MBC Guttin



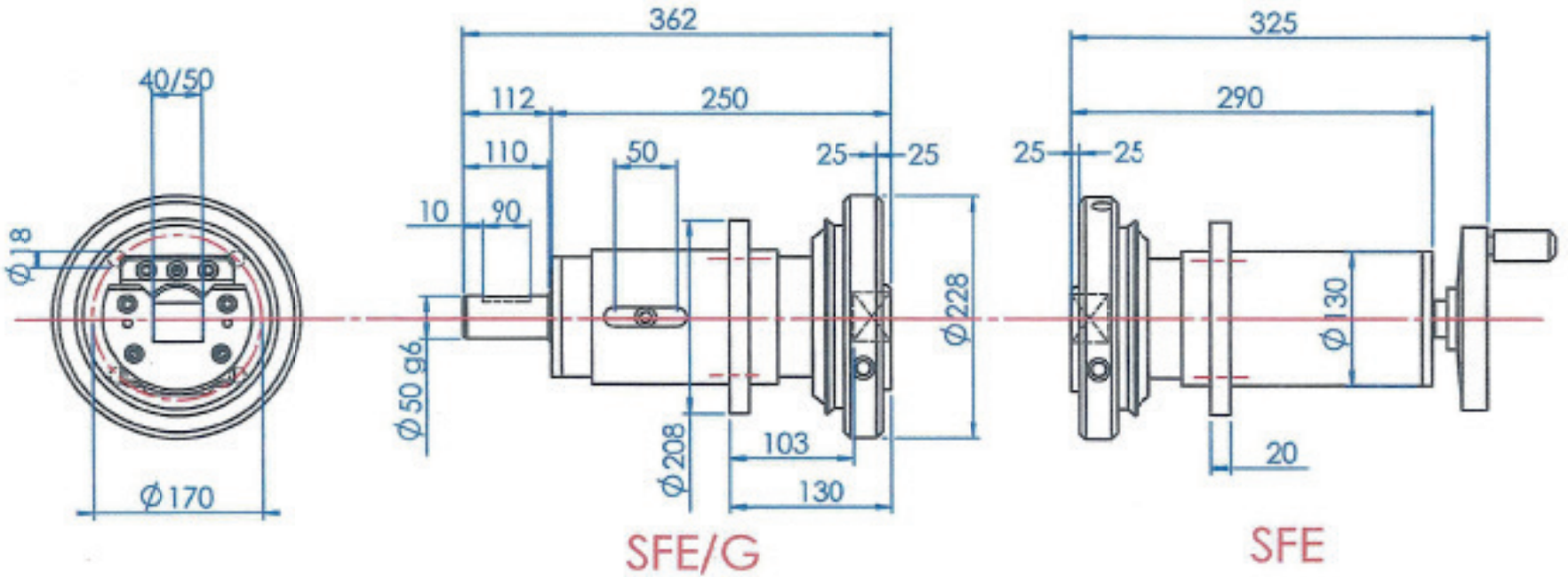
SAFETY CHUCK SERIE 1150 40/50
STROKE 50

Square : 40 to 50 depth 27

Rollweight : 24000 N

Torque : 1100 Nm

MBC Guttin



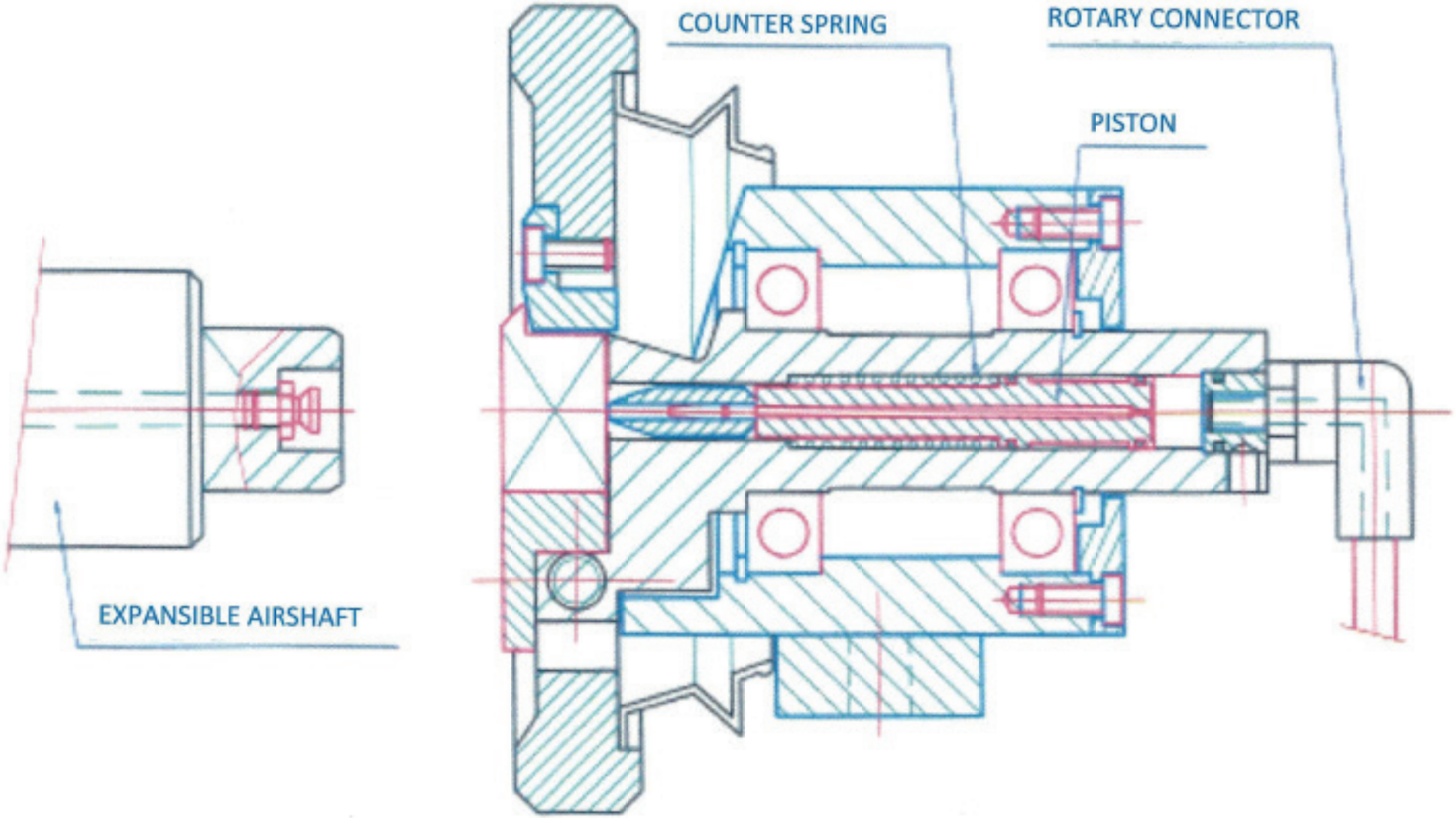
SAFETY CHUCK SERIE 1250 40/50
STROKE 50

Square : 40 to 50 depth 27

Rollweight : 24000 N

Torque : 1100 Nm

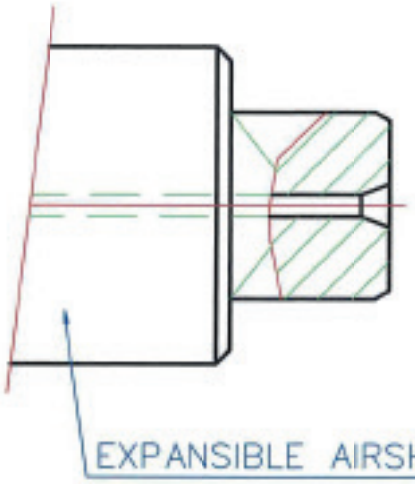
MBC Guttin

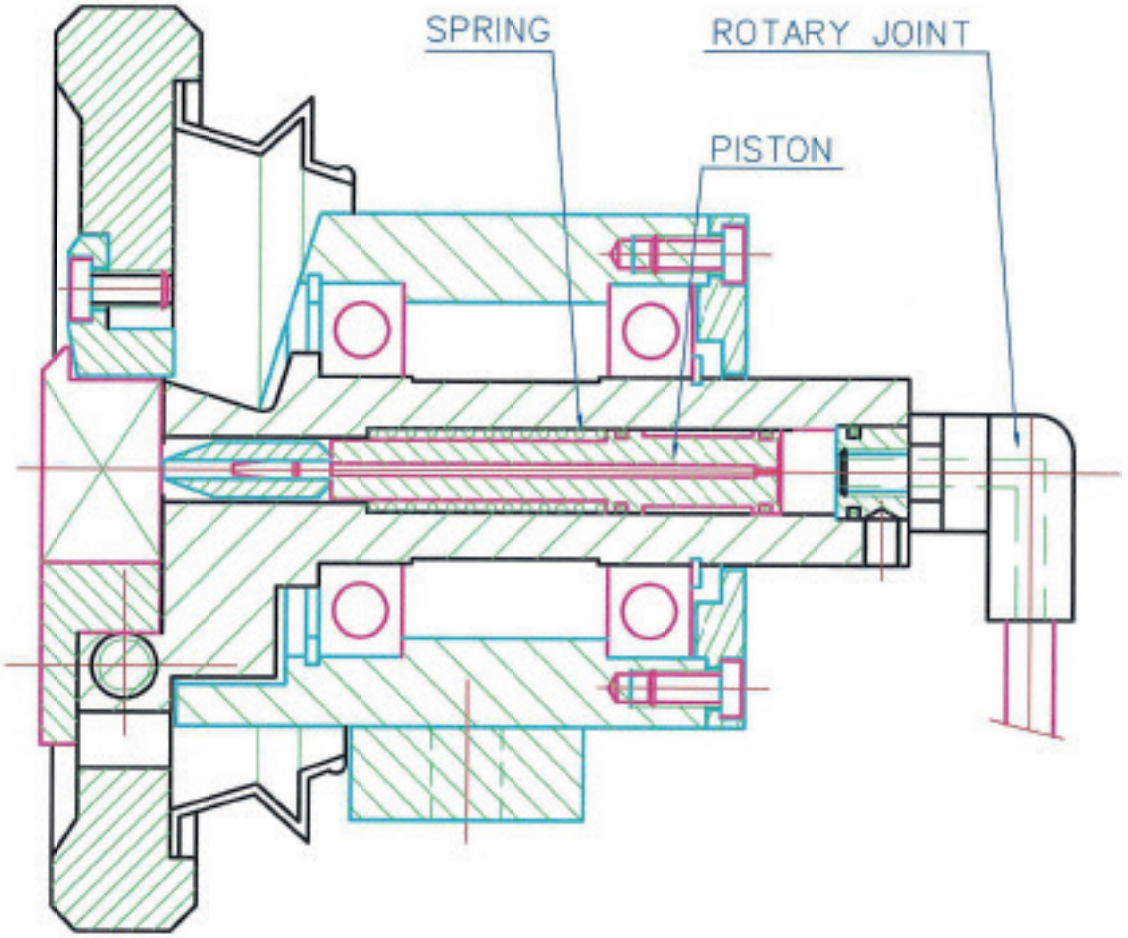


CHUCK SERIE 150/250

MBC Chuck with axial inflation

MBC Guttin

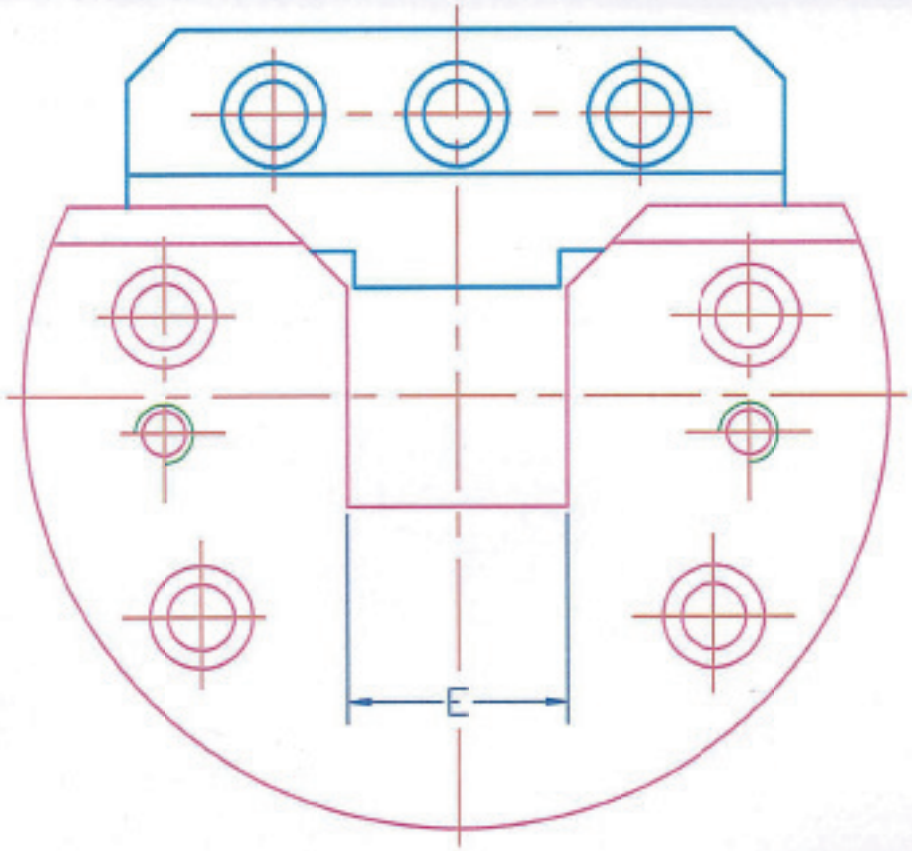


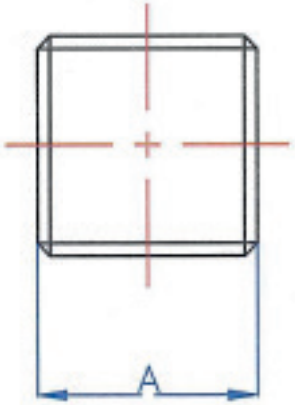


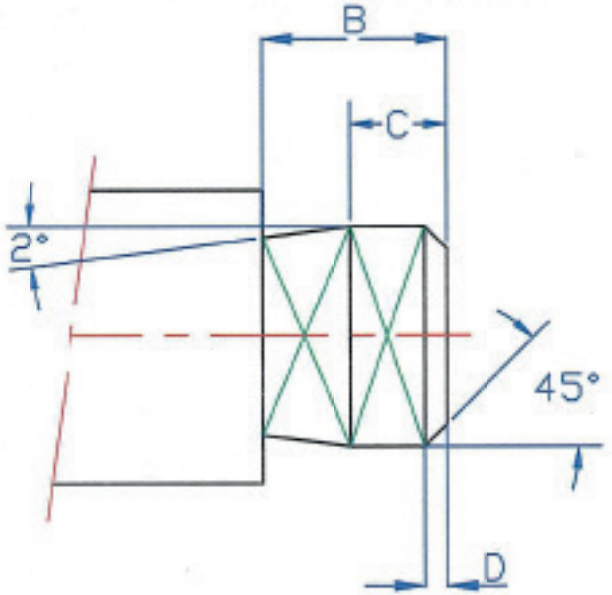
SAFETY CHUCK SERIE 150/250

MBC SAFETY CHUCK WITH AXIAL INFLATION

MBC
Guttin



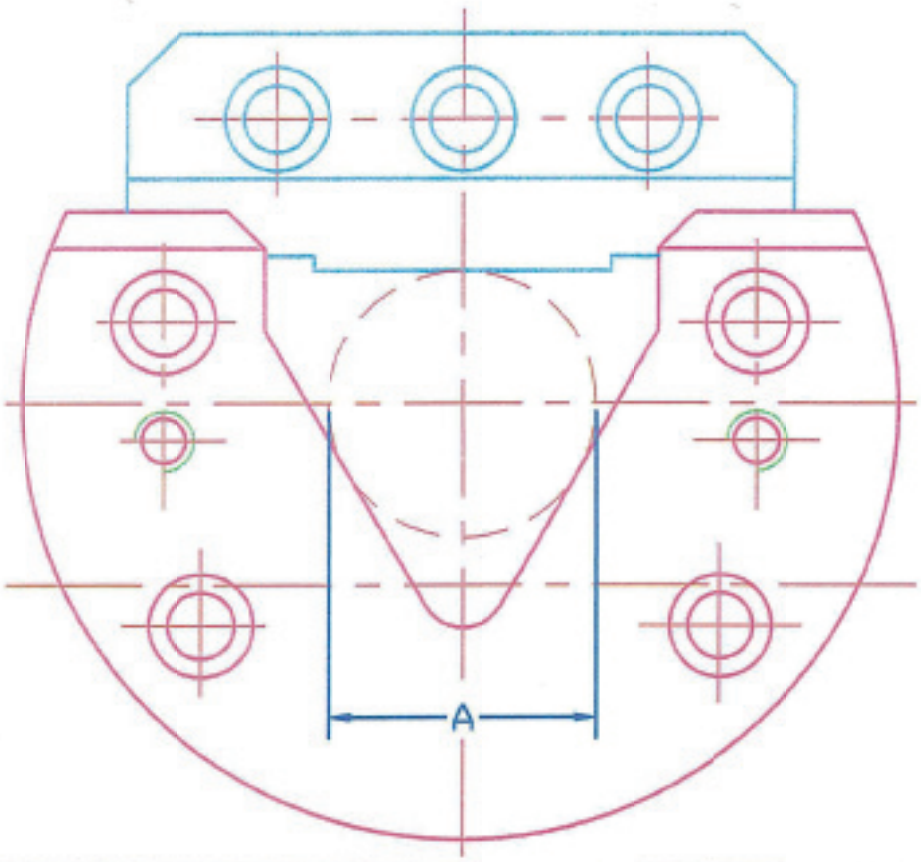


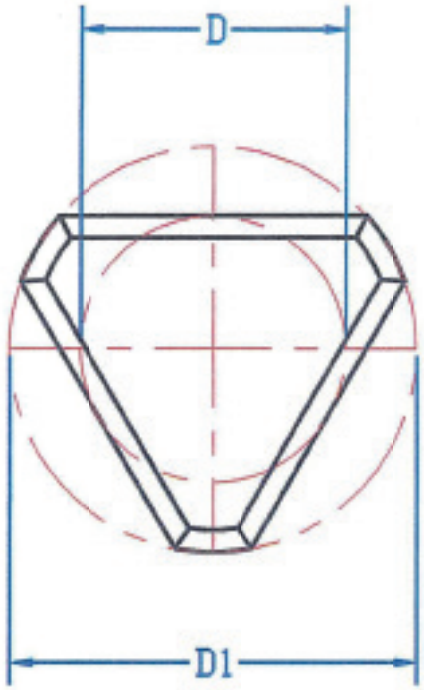


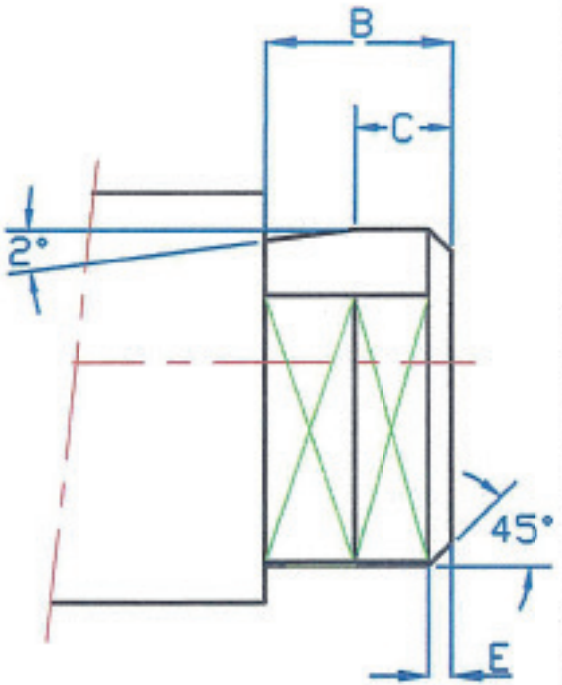
	20/30	30/40	40/50	50/80
A	−0.1 −0.2	−0.1 −0.2	−0.1 −0.2	−0.1 −0.2
B	25	28	30	40
C	15	15	18	25
D	3	3	4	5
E	+0.25 +0.1	+0.3 +0.1	+0.3 +0.1	+0.35 +0.1

SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM
SHAFT END TYPE A and E
WITH SAFETY CHUCK MBC

MBC
Guttin



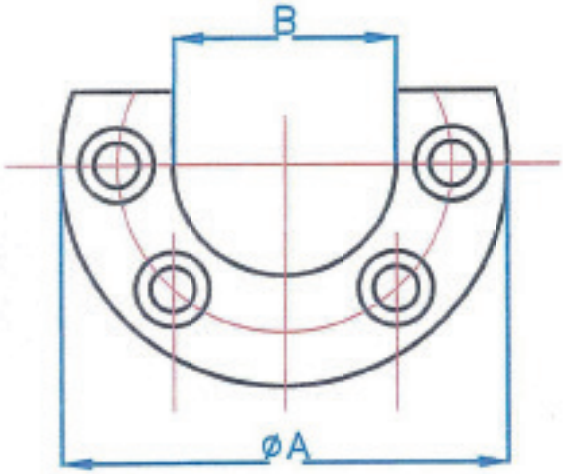


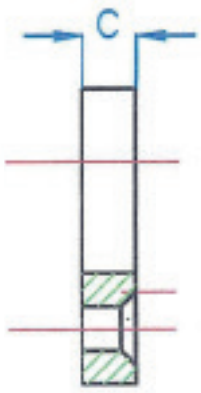


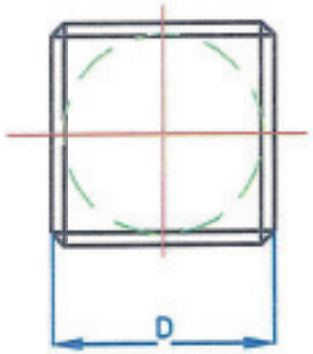
	20/30	30/40	40/50	50/80
A	$D^{+0.2}_{+0.1}$	$D^{+0.2}_{+0.1}$	$D^{+0.2}_{+0.1}$	$D^{+0.2}_{+0.1}$
B	25	28	30	40
C	15	15	18	25
D	$\phi 30^{-0.1}_{-0.15}$	$\phi 36^{-0.1}_{-0.15}$	$\phi 46^{-0.1}_{-0.15}$	$\phi 67^{-0.1}_{-0.15}$
D1	$\phi 45^{-0}_{-0.1}$	$\phi 55^{-0}_{-0.1}$	$\phi 65^{-0}_{-0.1}$	$\phi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

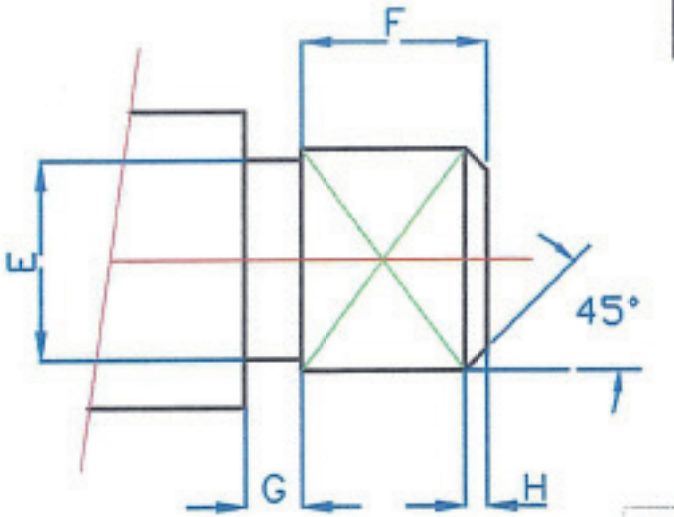
SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM
SHAFT END TYPE B
WITH SAFETY CHUCK MBC

MBC
Guttin







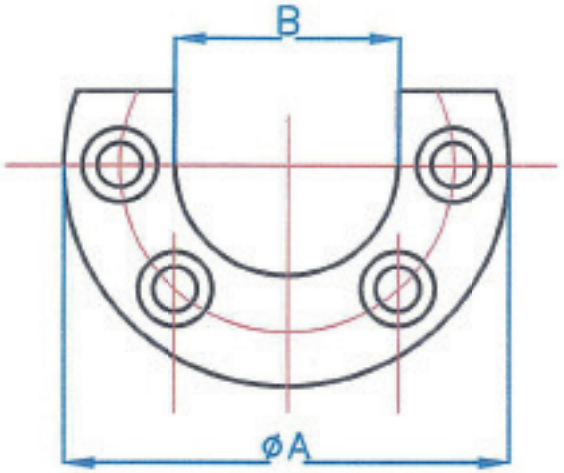


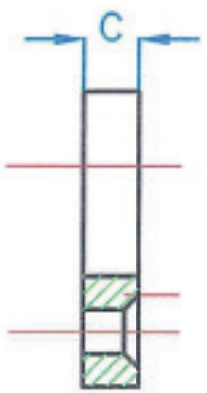
	20/30	30/40	40/50
A	ø89	ø119	ø129
B	$D - 1^{+0.1}_{+0.05}$	$D - 1^{+0.1}_{+0.05}$	$D - 1^{+0.1}_{+0.05}$
C	7	8	8
D			
E	$D - 1^{-0.1}_{-0.2}$	$D - 1^{-0.1}_{-0.2}$	$D - 1^{-0.1}_{-0.2}$
F	21	24	26
G	9	10	10
H	4	5	5

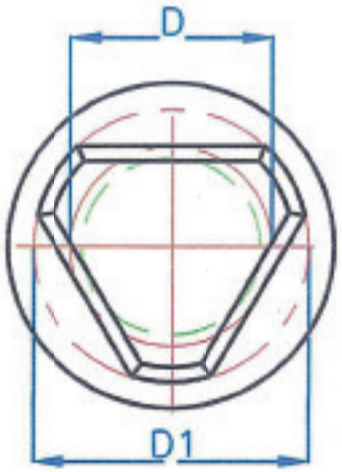
SAFETY CHUCK with
AUTOMATIC LOCKING SYSTEM

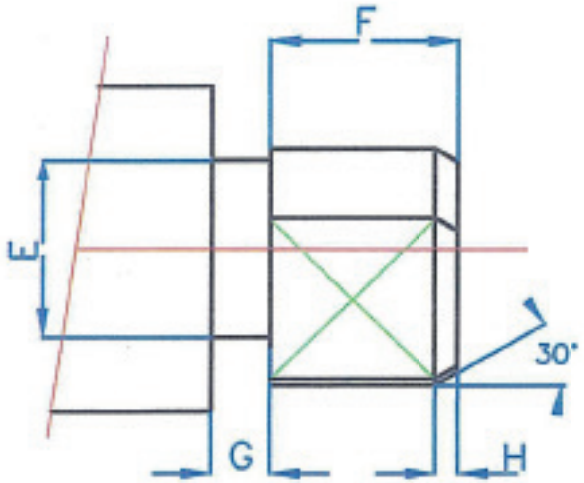
DRIVING PLATES AND
SHAFT END TYPE A AND E

MBC
Guttin





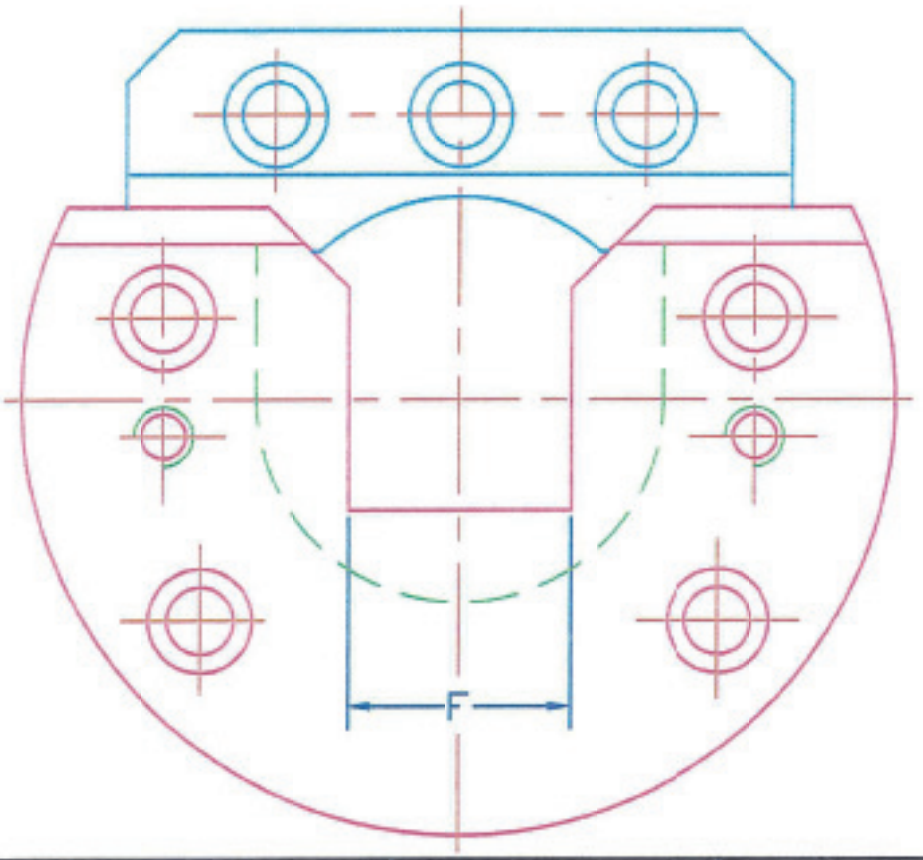


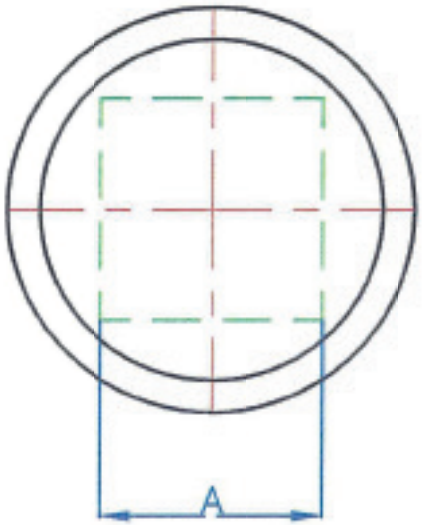


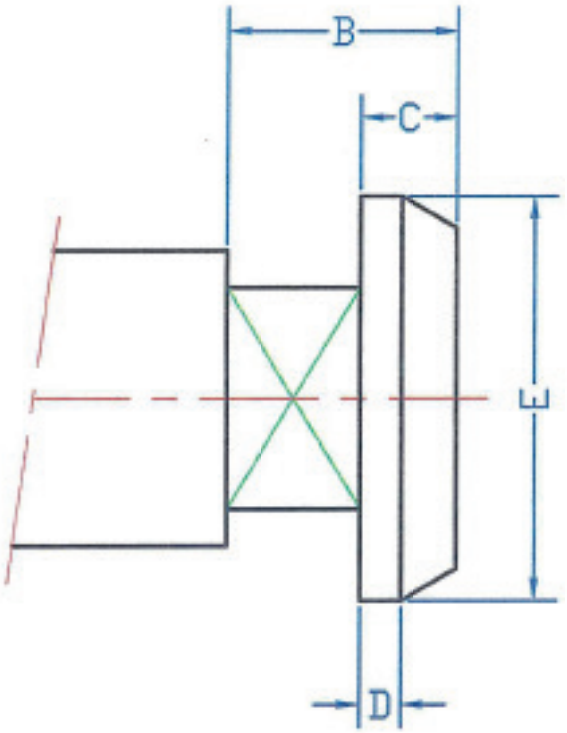
	20/30	30/40	40/50
A	ø89	ø119	ø129
B	$D^{+0.1}_{+0.05}$	$D^{+0.1}_{+0.05}$	$D^{+0.1}_{+0.05}$
C	7	8	8
D	ø30	ø36	ø46
D1	ø45	ø55	ø65
E	$D^{-0.1}_{-0.2}$	$D^{-0.1}_{-0.2}$	$D^{-0.1}_{-0.2}$
F	21	24	26
G	9	10	10
H	5	5	7

SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM
DRIVING PLATES AND
SHAFT ENDS TYPE B

MBC
Guttin





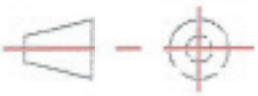


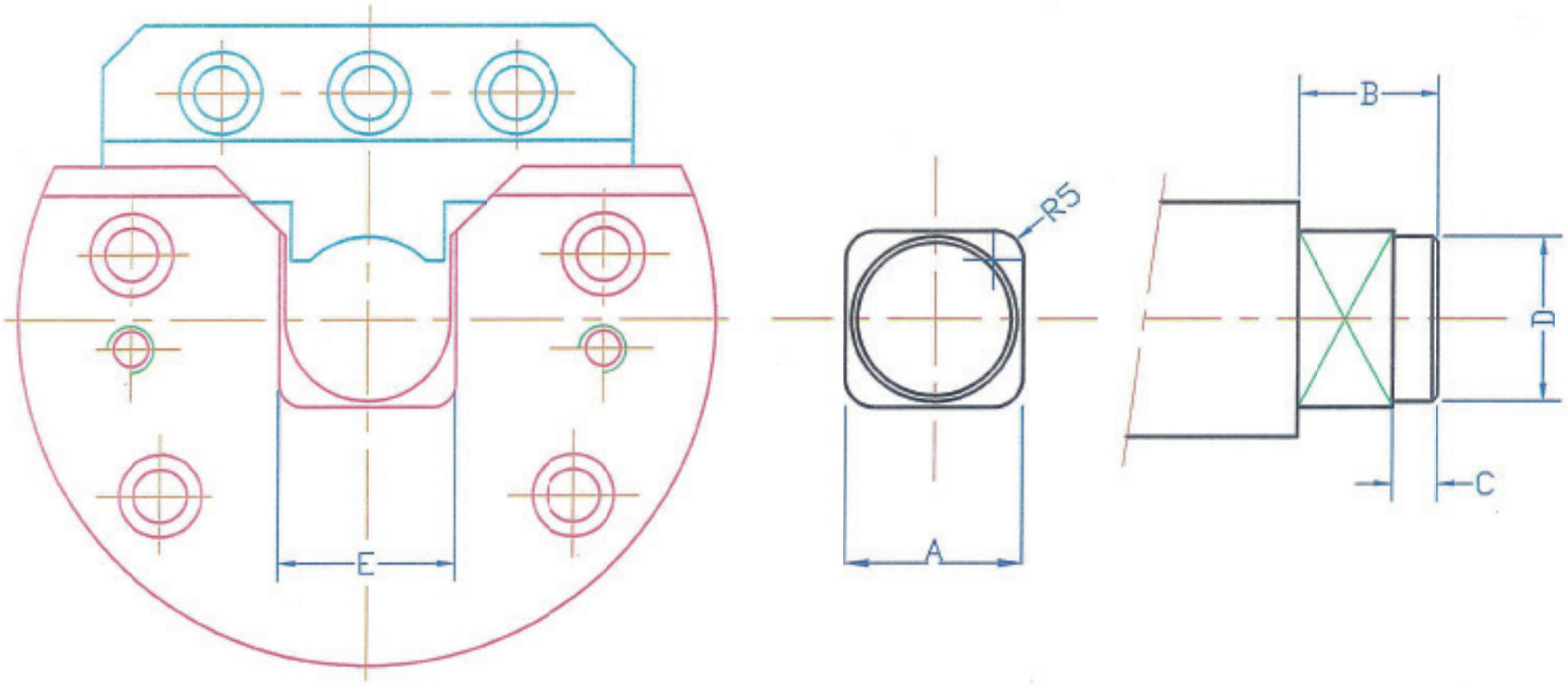
	20/30	30/40	40/50
A	F −0.5	F −0.5	F −0.5
B	31.5	31	35
C	13.5	13	13
D	5.5	5.5	5.5
E	$\phi 42^{-0}_{-0.05}$	$\phi 55^{-0}_{-0.05}$	$\phi 71^{-0}_{-0.05}$
F	$30^{+0.2}_{+0.1}$	$40^{+0.2}_{+0.1}$	$50^{+0.2}_{+0.1}$

SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM

SHAFT END TYPE AVPU
WITH SAFETY CHUCK MBC

MBC
Guttin





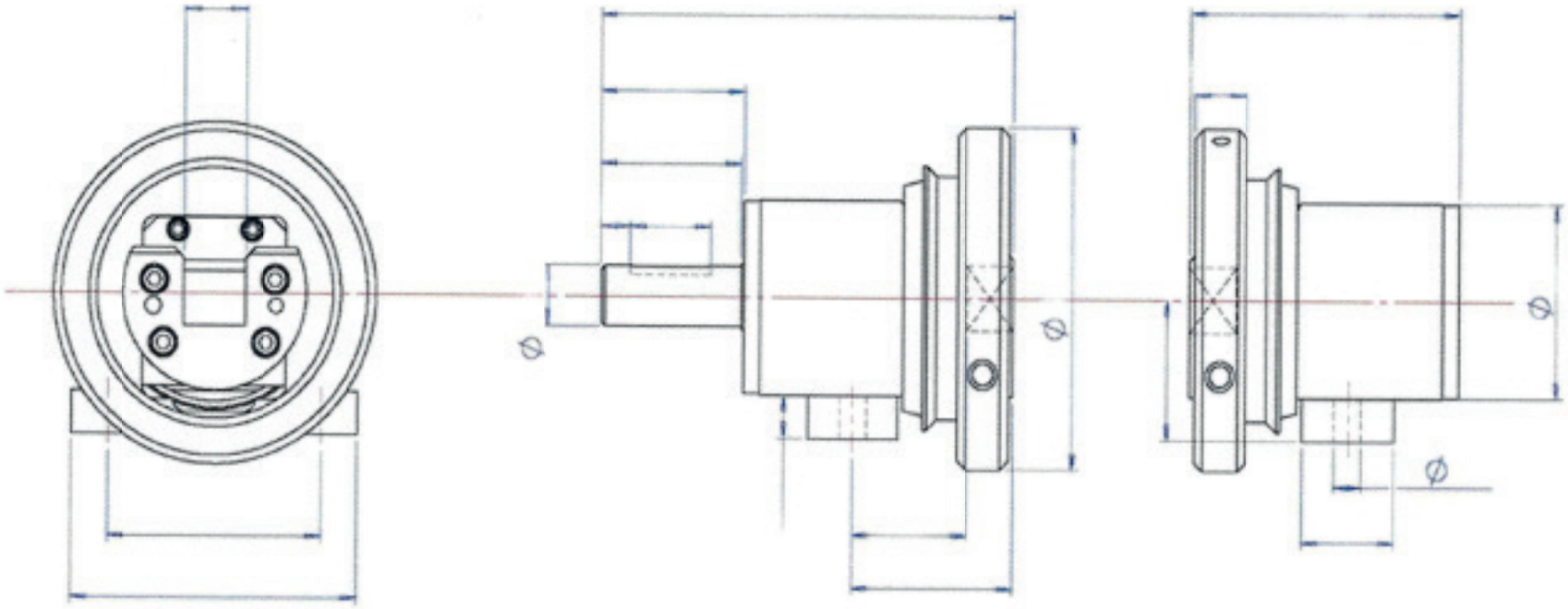
	20/30	30/40	40/50
A	E −0.5	E −0.5	E −0.5
B	24.5	29	30
C	14	18	17
D	$\varnothing 30^{-0}_{-0.05}$	$\varnothing 40^{-0}_{-0.05}$	$\varnothing 50^{-0}_{-0.05}$
E	$30^{+0.2}_{+0.1}$	$40^{+0.2}_{+0.1}$	$50^{+0.2}_{+0.1}$

SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM
SHAFT END TYPE AWPU
WITH SAFETY CHUCK MBC

MBC
Guttin

NOTES

Drawings for measurement taking



SFE/G SFE

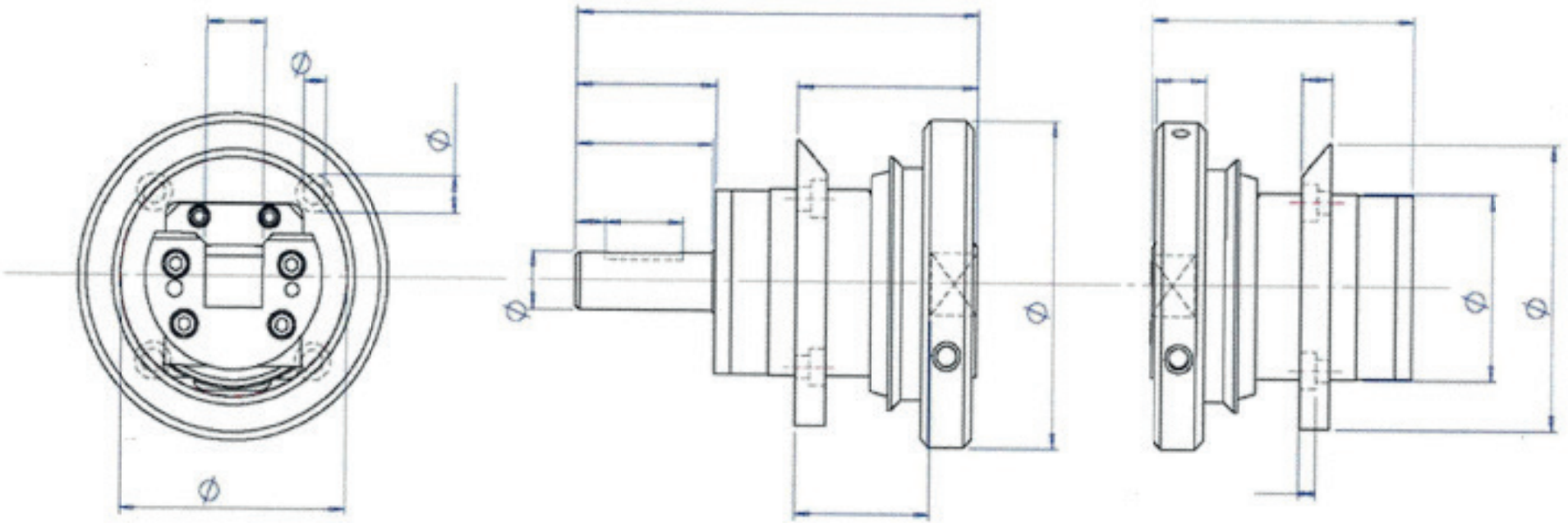
CHUCK

Square: ..... to .... Depth .....

Roll Weight: ..... N

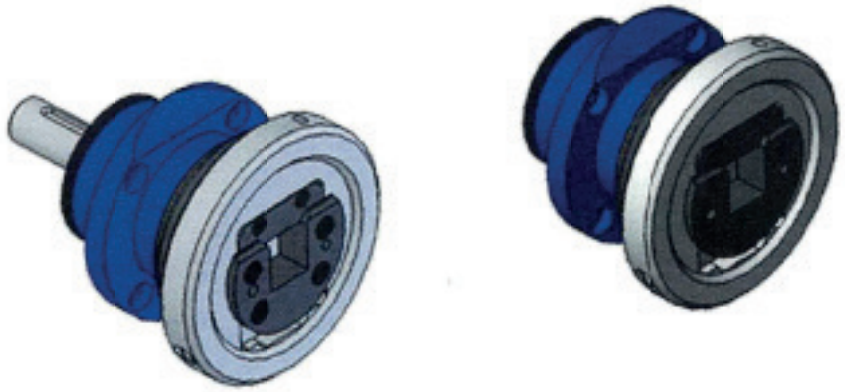
Torque: ..... Nm

MBC Guttin



SFE/G

SFE



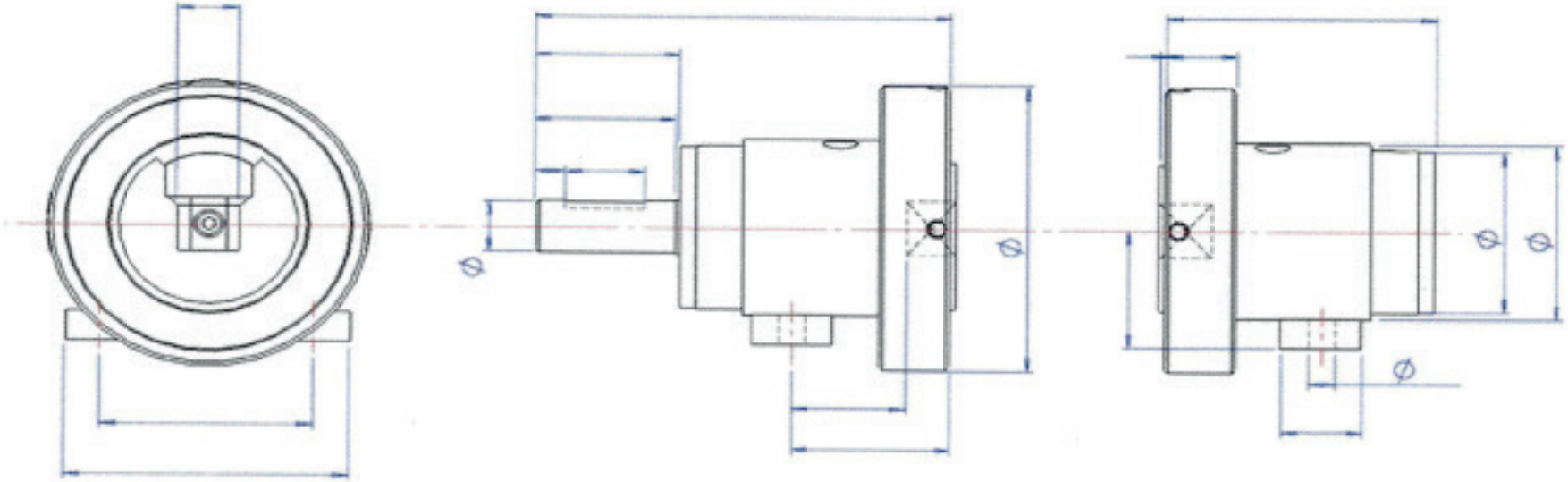
CHUCK

Square : ..... to .... Depth .....

Roll Weight : ..... N

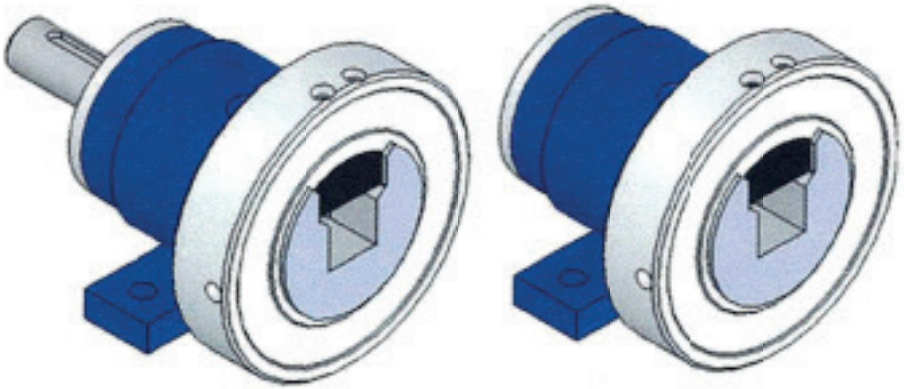
Torque : ..... Nm

MBC Guttin



SFE/G

SFE



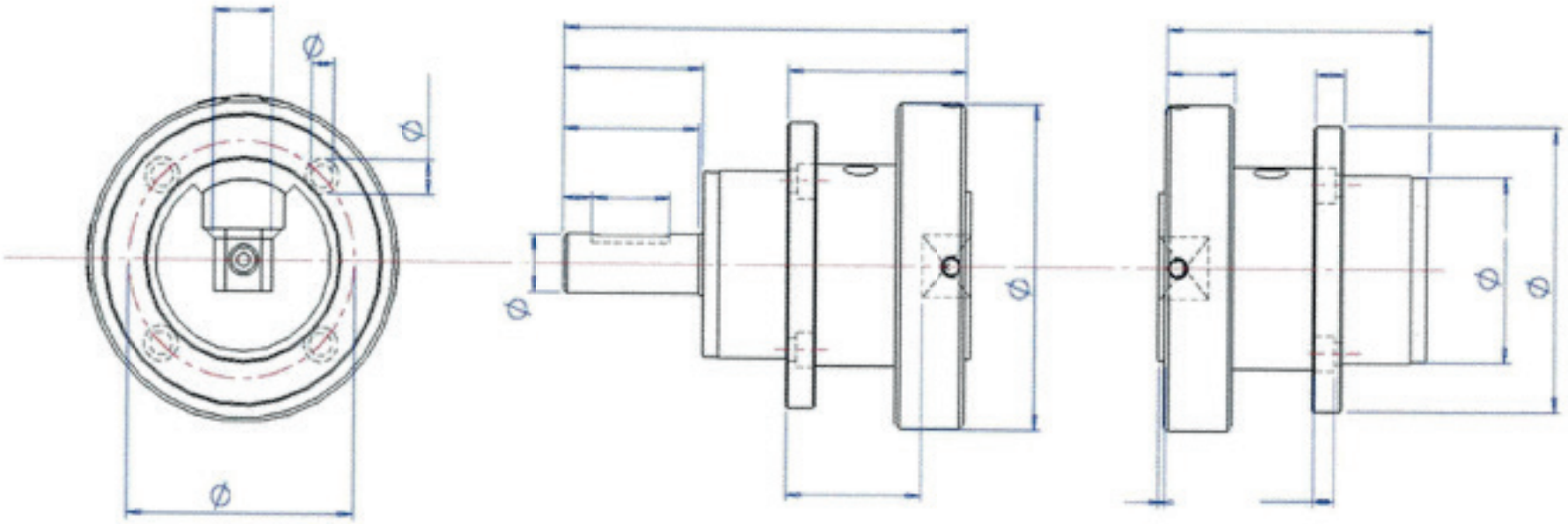
CHUCK SERIE

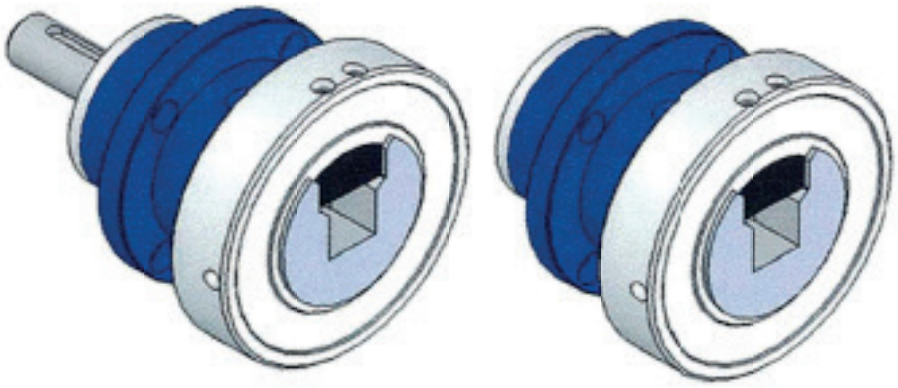
Square: ..... to .... Depth .....

Roll Weight: ..... N

Torque : ..... Nm

MBC Guttin





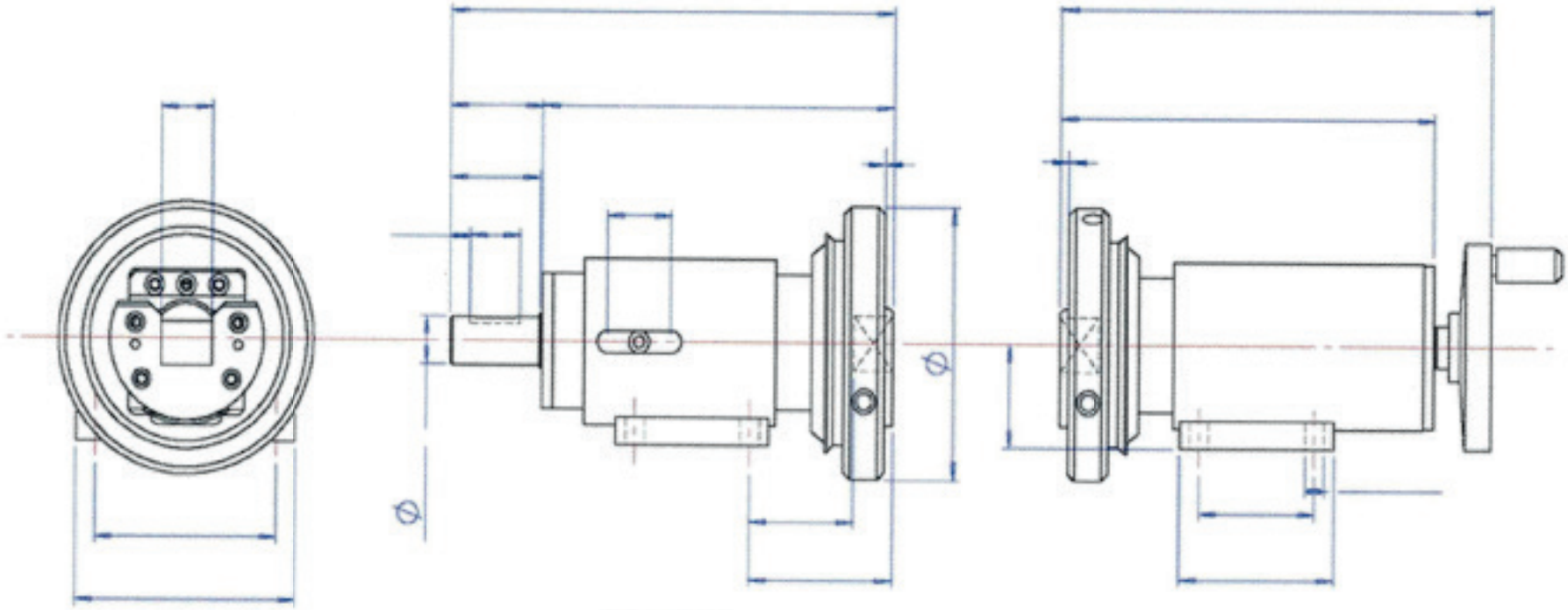
CHUCK SERIE

Square: ..... to .... Depth .....

Roll Weight: ..... N

Torque: ..... Nm

MBC Guttin



CHUCK SERIE

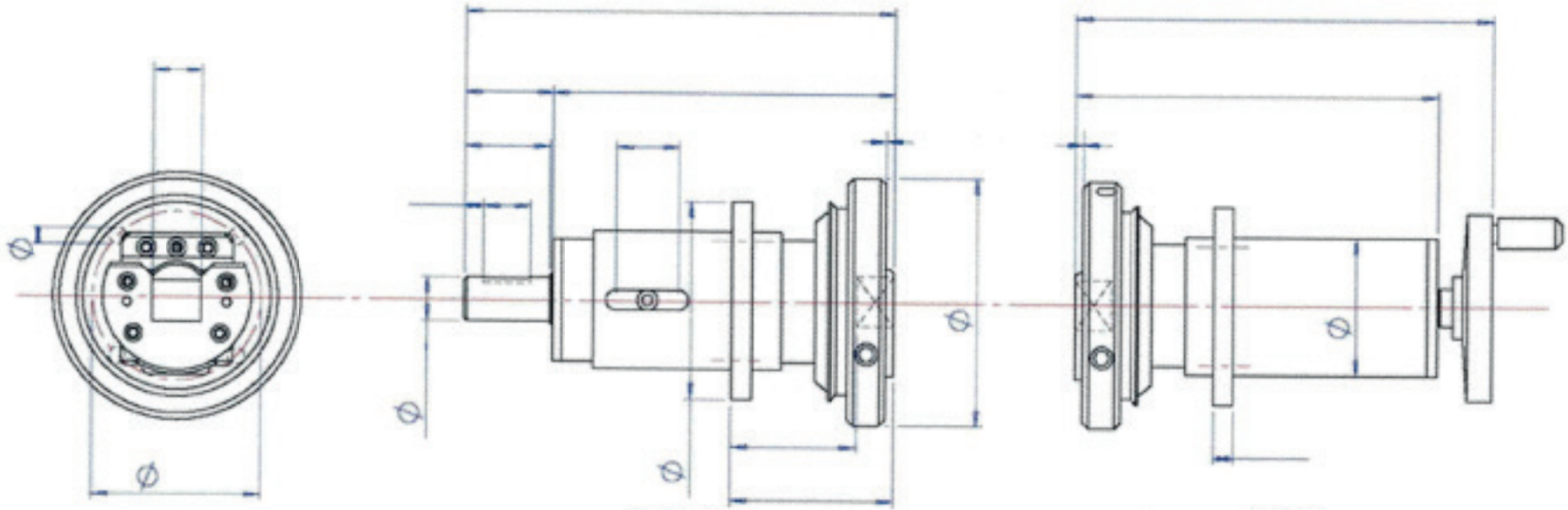
STROKE

Square : ..... to .... Depth .....

Roll Weight : ..... N

Torque : ..... Nm

MBC Guttin



CHUCK SERIE

STROKE

Square: ..... to .... Depth .....

Roll Weight: ..... N

Torque: ..... Nm

MBC Guttin

NOTES

Maintenance & Spare Parts

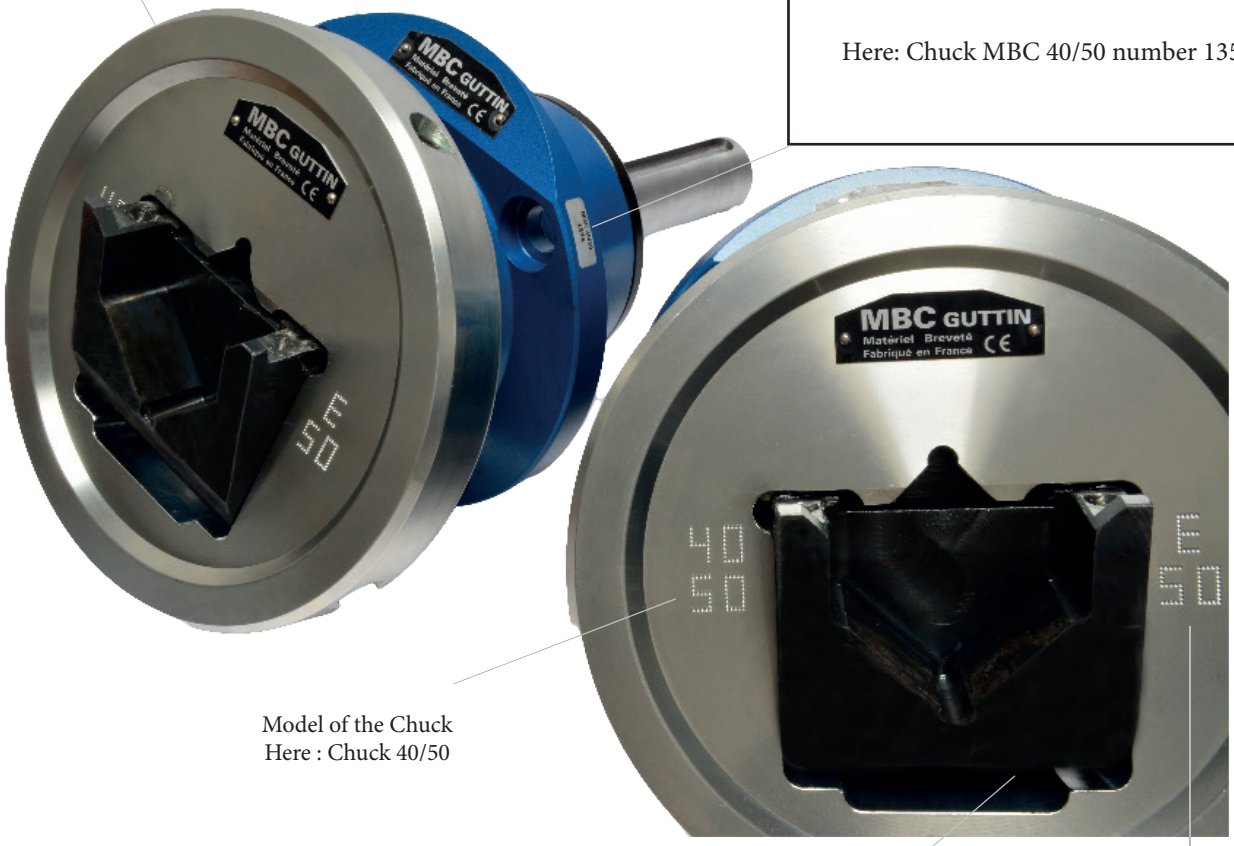
How to identify a MBC Chuck?

Identification of the Chuck :

For the new chucks, a label on the safety chuck indicates the reference of your chuck.
Each reference is different per product.

Here: Chuck MBC 40/50 number 1354

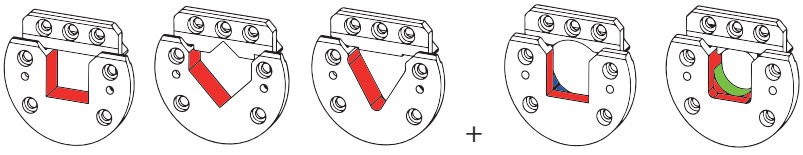
Chuck MBC Guttin,
Pivoting disc



Model of the Chuck
Here : Chuck 40/50

Without Ware Part (PU)

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



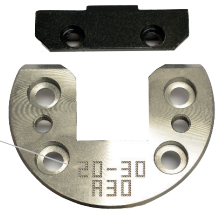
Type APU | Type EPU | Type BPU | + | Type VPU (with under cut) | Type WPU (For centring parts)

Identification of ware parts :

- Exemple -
Chuck Model : 20/30
Type A - PU (Ware part)
Square of 30 mm

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

Upper Part



Lower Part

RESULT :

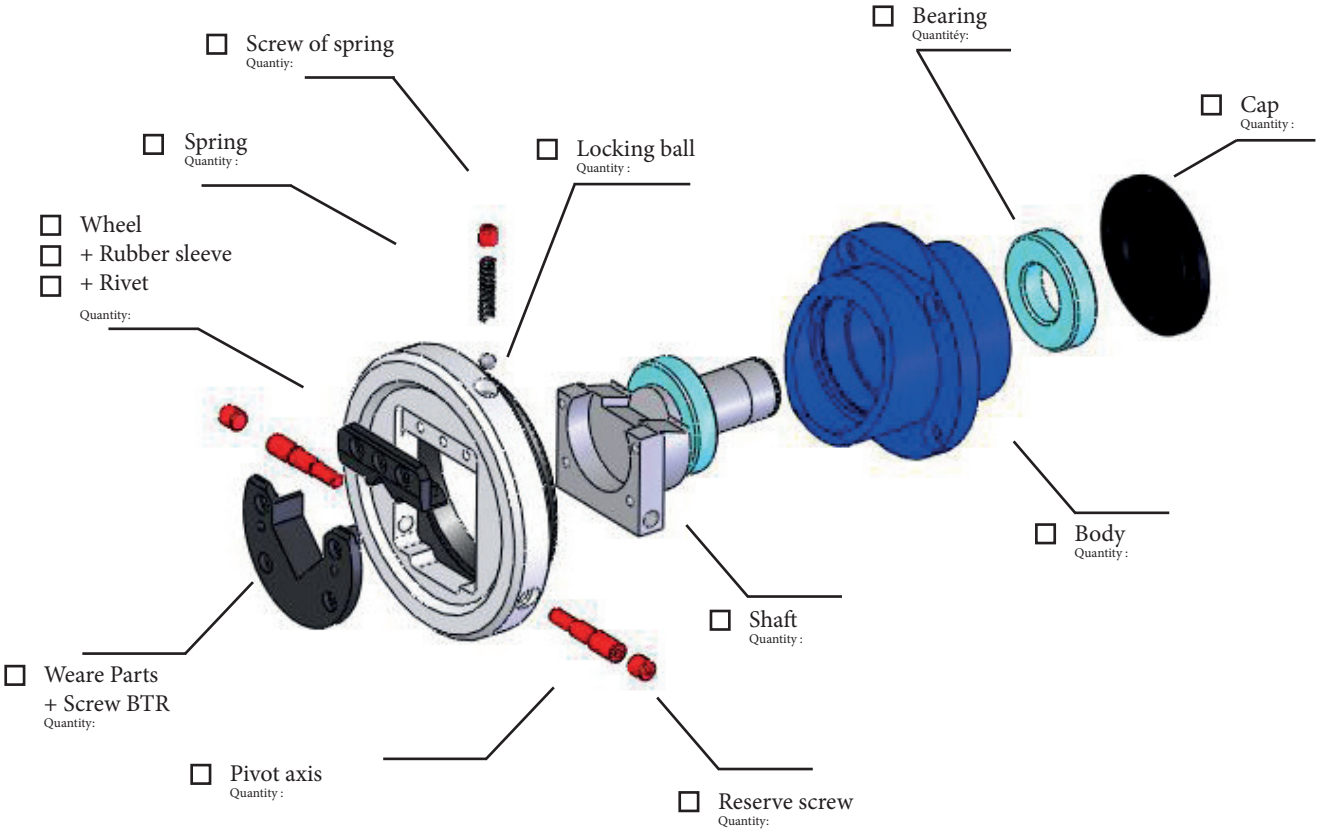
- Chuck MBC n° 1354
- Type de chuck: 40/50
- Size of square : 50 mm
- Simple Geometry : E
- Without Ware Part

Purchase order

Spare Parts -Chuck MBC

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

Identification of the different parts :

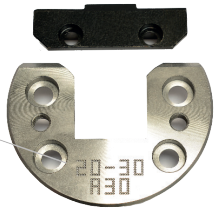


Identification of ware parts :

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

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

Upper part

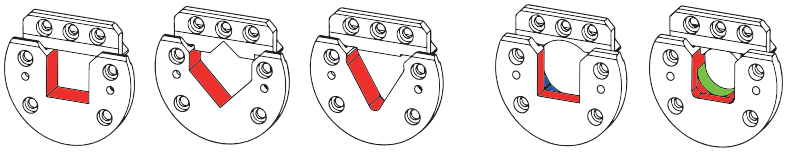


Lower part

Technical Characteristics:

- Model of the Chuck: ...../.....
- Serie of the Chuck: .....
- Type de geometry : .....
- Size of square: .....mm
- Others: .....

(if replacement, notify the serial number) :



Type APU ☐ Type EPU ☐ Type BPU ☐ + Type VPU with under cut ☐ Type WPU for centring parts ☐

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

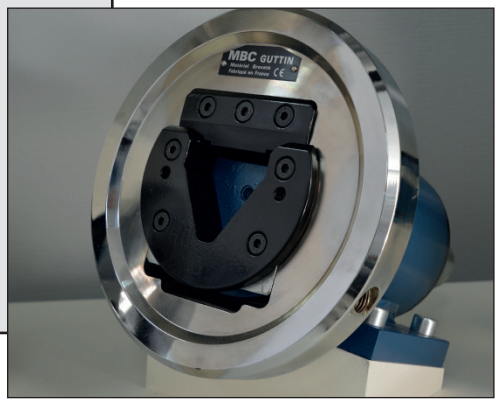
Advantages

+ MBC GUTTIN PATENT

+ Change the wear parts become a child's play

+ Everything is disassembled only by the front side

+ 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 wrench

Time : 3 to 7 min.

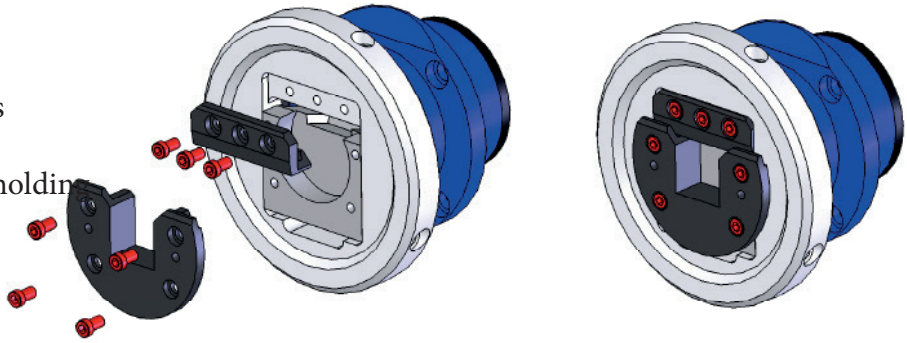
Step 1. : Disassembly : Remove the 7 screws of holding with help of the BTR

Step 2. : Remove the Wear Parts

Step 3. : Place the new Wear Parts

Step 4. : Rescrew the 7 screws of holdin

You have finished !



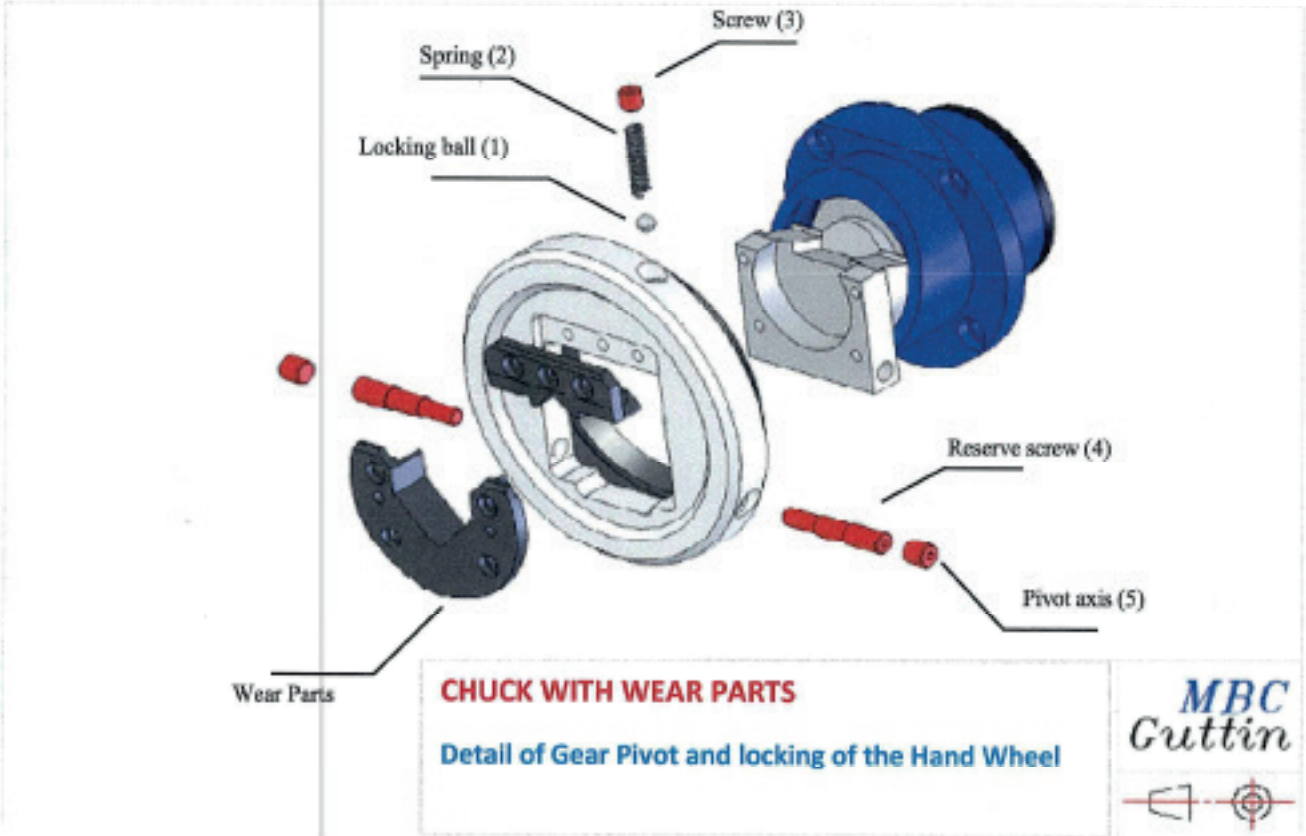
CHUCK WITH WEAR PARTS

Mounting of the wear parts by 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 have an intensive wear or a significant consumption of wear parts, remember to check your end shaft.

Chuck : Change of the Hand Wheel



Disassembly and Reassembly of the Hand Wheel

Necessary Tools : One set of hexagon screws

Time : 15 mn

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) and screw (3)

Step : 3. Remove the Hand Wheel Fastening assembly = Reserve screw (4) and Pivot axis (5)

Reassembly on the contrary

You ended !

NOTES

Additionnal Informations

Why create a Chuck in Steel ?

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

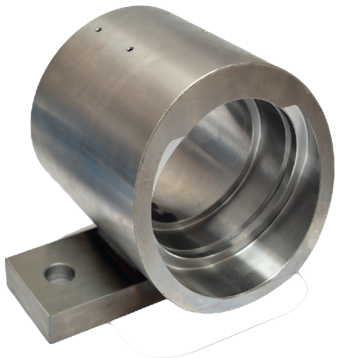
Advantages

+ Possibility of making tailor-made

+ Mounted in place of any installation

+ Guarantee Resistance

+ French Manufacturing



Unlike Chucks made in cast iron, the steel can be machined at will and on customer request, offering a customer design possible. This adaptability is then impossible with a body made of cast iron that would require the production of molds.

The body of the MBC Chuck is made in mechanic welded steel, paint polyurethane and hand wheel in gavanized steel. From the raw material to manufacture, the MBC Chucks are 100% made in France.

With 30 years of experience, MBC Guttin checks the entire value chain and made a point of honour at a French production. His research for accessories such as rubber cuffs also records this approach and bonds with other French manufacturers.

The security on our Chucks !

Advantages

+ A chuck that lock when the user forgets

+ Impossible opening out of position

+ Option lock any available position

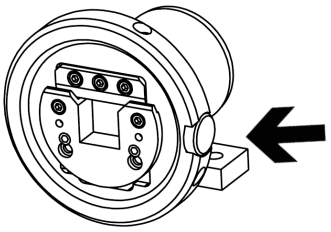
+ Product ECC Approved

The security on our chucks is a priority:
MBC Guttin (Controlled locking mechanism)

Why ? An accident happened quickly. t is serious or just benign, it's our role to protect you from any incident !

How ? All MBC Chucks are equipped with the locking system in the event of that the user forgets to close. 1/10 turn and the wheel close. It is impossible to open the chuck if this latter is not in a high position.

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

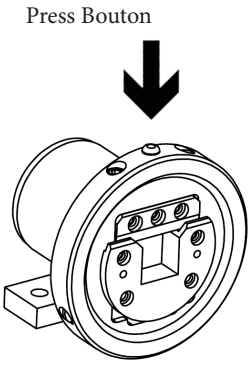


Ever more security ? MBC Guttin offers you different type of lock. It is now impossible for the chuck to open if it is only at the request of the user.

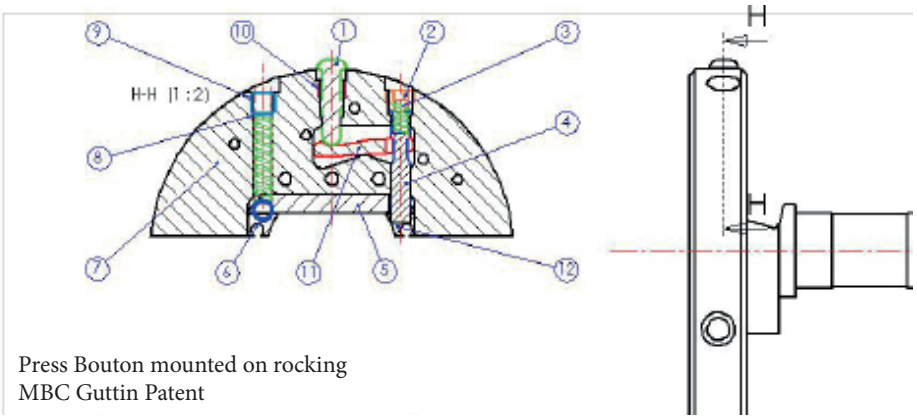
Locking Type 1 : Adjustement Wheel

You juts pull the adjustement wheel on the right or the left of the hand wheel, to open the hand wheel.

Locking Type 2 : Press Bouton



Cleverly positioned in high position, you have just pressed the bouton to open the hand wheel.
Ergonomic, melted in the body of the hand wheel and mouted on rocking, it is THE solution recommended by MBC Guttin. Less risk of breakage, bouncer system (MBC Patent) you no longer have to choose between right or left.



Press Bouton mounted on rocking
MBC Guttin Patent

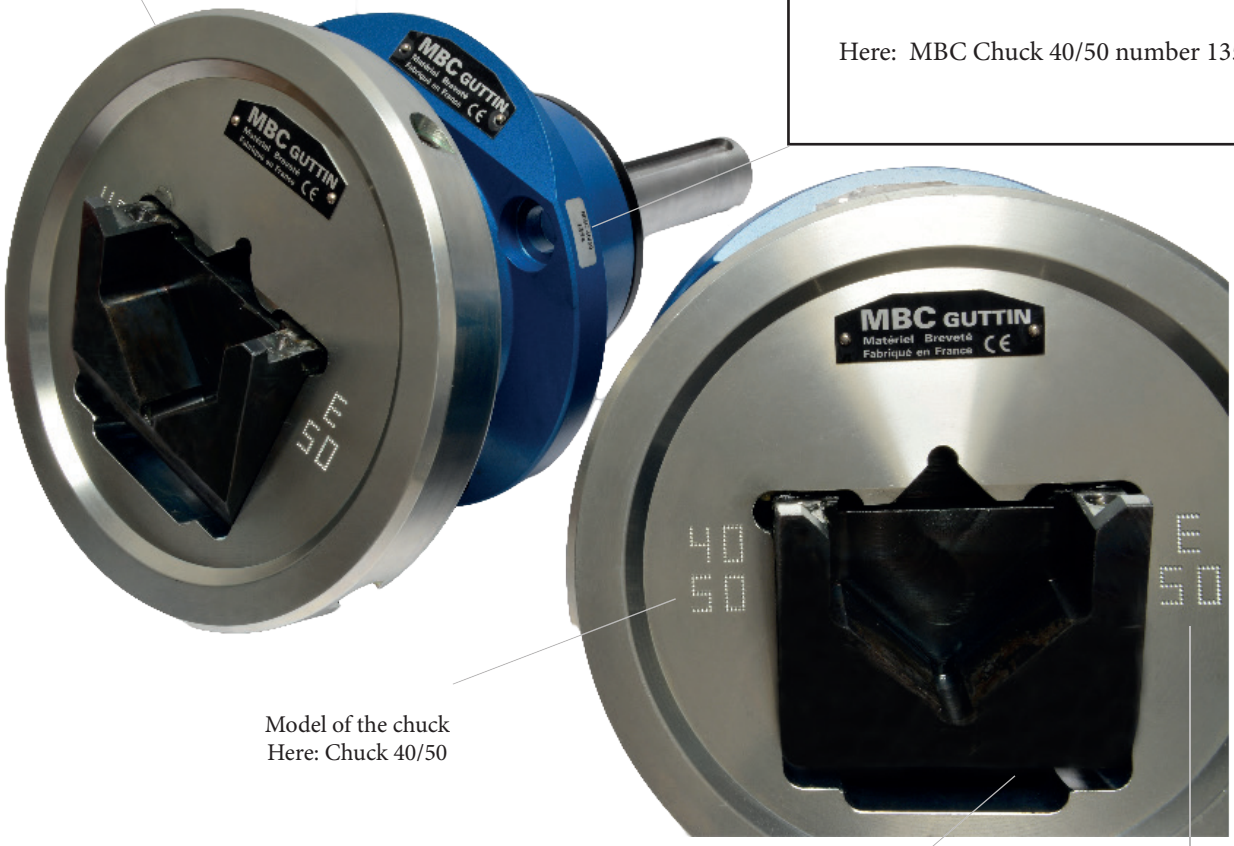
How to identify a MBC Chuck ?

Identification of the Chuck :

For the new chucks, a label on the safety chuck indicates the reference of your chuck.
Each reference is different per product.

Here: MBC Chuck 40/50 number 1354

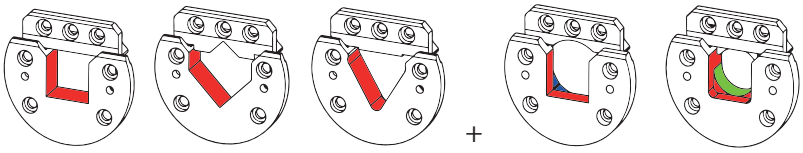
Chuck MBC Guttin,
Pivoting disk



Model of the chuck
Here: Chuck 40/50

Without ware part (PU)

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



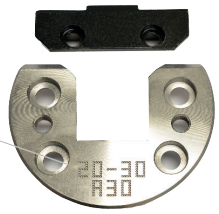
Type APU | Type EPU | Type BPU | + | Type VPU (with under cut) | Type WPU (for centring parts)

Identification des pièces d'usure :

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

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

Upper part



Lower part

RESULT :

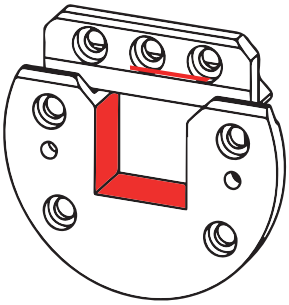
- Chuck MBC n° 1354
- Type of chuck : 40/50
- Size of square : 50 mm
- Simple Geometry : E
- Without Ware Part

Comparative MBC Geometries :

Simple

Simple Geometry

Double Geometry

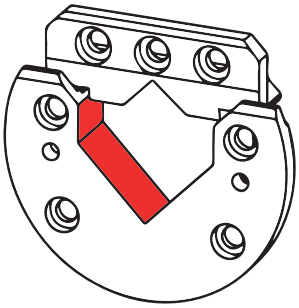


Type APU

The «square» geometry type A allows to pass the torque by 4 flat faces.

This reduces the wear and allows high torques and load.

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

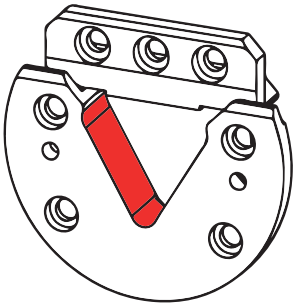


Type EPU

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

However, be careful with this type of geometry, we have a lost of 20 % of torque and load.

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

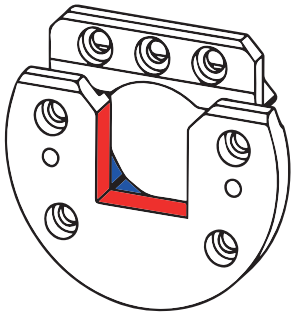


Type BPU

Version historically known in Textile, this 3 faces geometry allows an easy insertion.

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

+



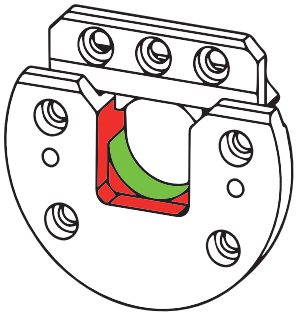
Type VPU

ex : AVPU - EVPU - BVPU

Equipped with centering part on the diagonal of the square, this geometry permanently deletes the impacts and significantly reduces the vibrations.

Equipped on our axial sliding chucks, this geometry will also allow you to transmite the translation from one chuck to another.

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



Type WPU

ex : AWPU - EWPU - BWPU

The geometry type WPU is equipped with a centering part fits in the square, this geometry can definitevily deletes the impacts and significantly reduces the vibrations.

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

Example of corresponding end shafts

Why use Wear Parts ?

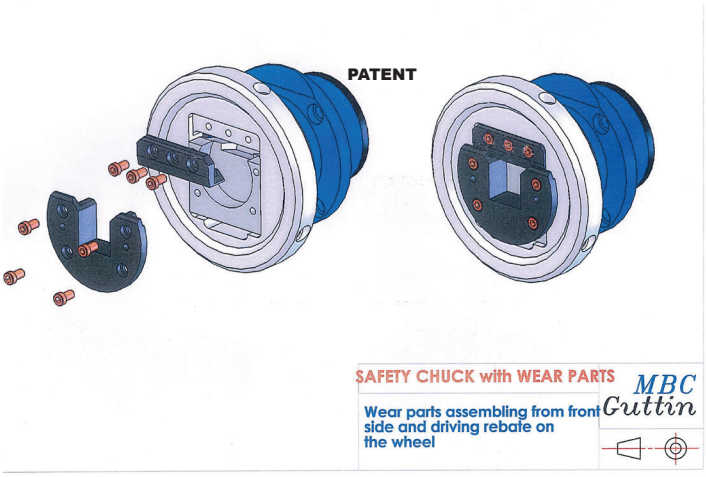
Why use Wear Parts ?

The torque and intensive use can distort the geometry of your shafts and of your chucks. With the time, these wear out and the transmission of the torque is no longer assured. Your shafts vibrate, then 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 get too much damage. Economically advantageous, this system enables the equipment to be brought back into the condition much more quickly than a change of the «shaft + chucks» assembly. MBC Guttin offers wear parts interchangeable only by the front in a record time.

Advantages

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

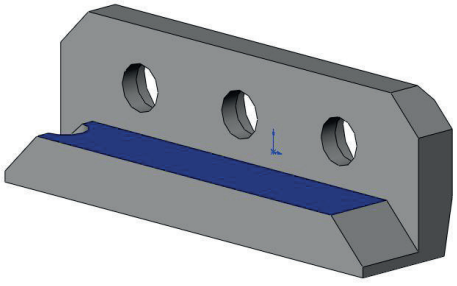


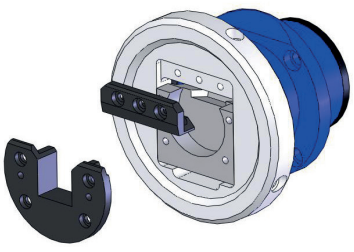
Be careful with the double geometry !

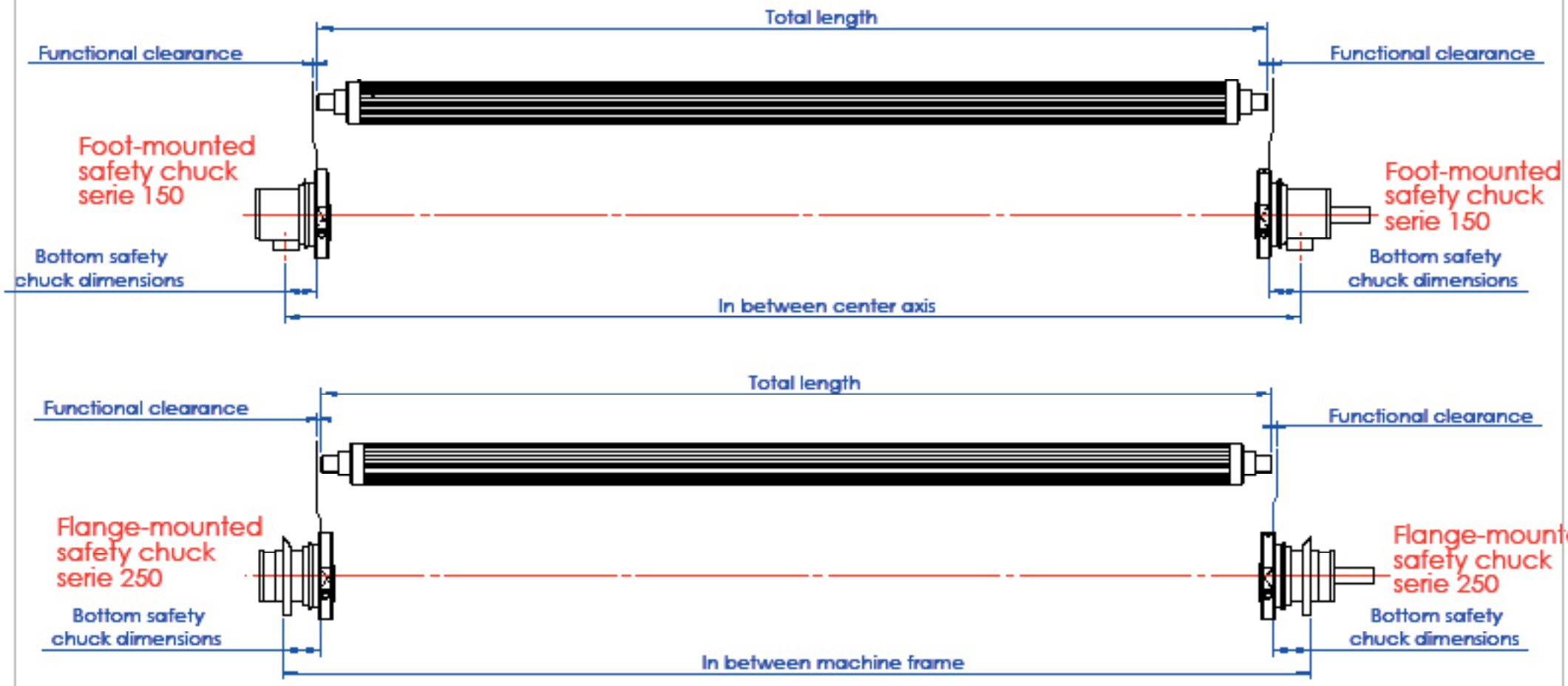
The MBC Patent:

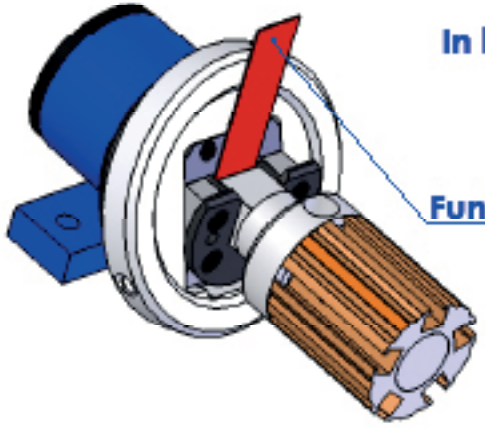
MBC Guttin has designed a piece with a rabbet cut in the hand wheel. The wear part comes to rest and the torque is transmitted by it. The 7 screws on the front only become holding screws.

It is therefore not necessary to disassembly the hand wheel for remove fasteners, such as pins or others components, a simple BTR is sufficient.









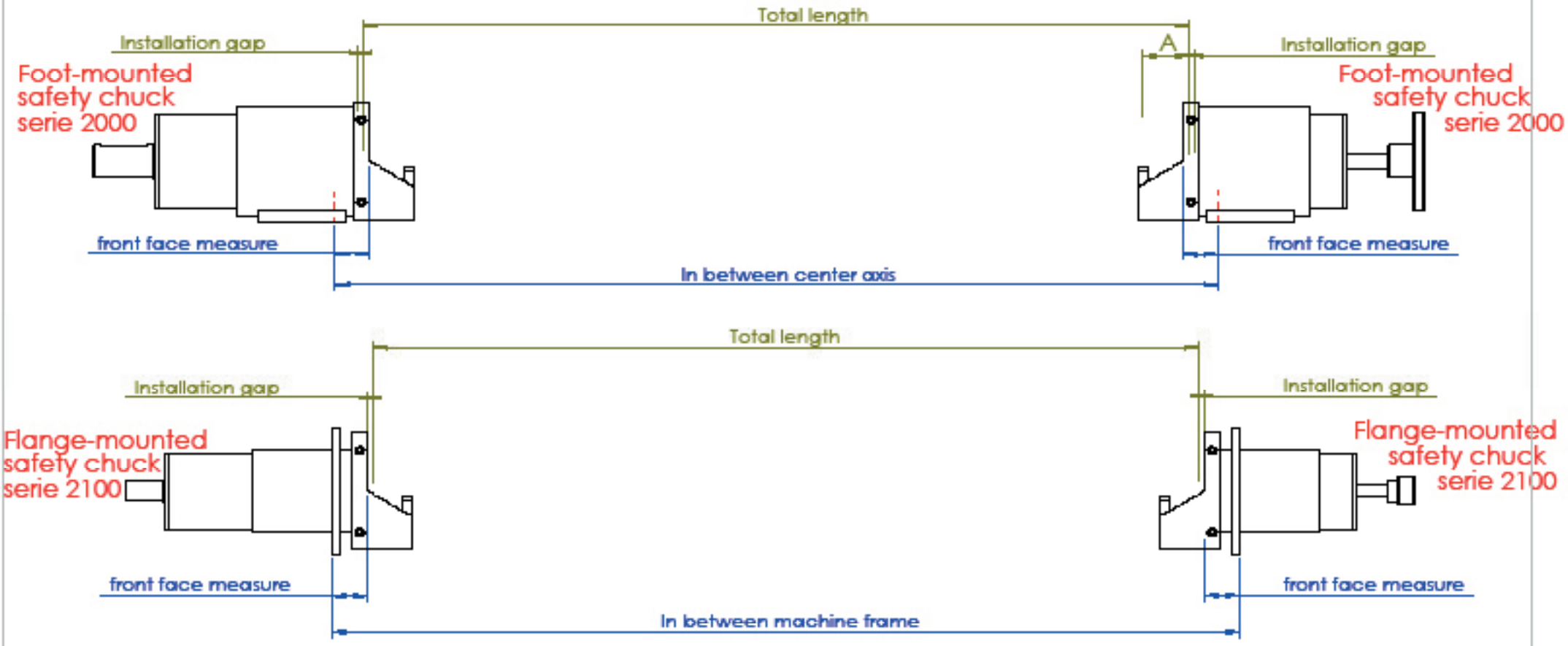
Funtional cleareance average 1mm

In between axis or In between frame = Total length + (2 x bottoms of safety chuck dimensions) + (2 x functional clearance)

ASSEMBLING SAFETY CHUCK and EXPANDABLE AIRSHAFT

MBC Guttin

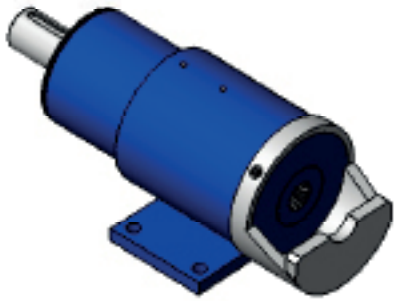
To be calculated according model



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

	Stroke 60	Stroke 100
A	85	125

Installation Gap : 10 mm



ASSEMBLING SAFETY CHUCK SERIE 2000 and AIRSHAFT

MBC Guttin

To be calculated according model

II. Safety Chuck

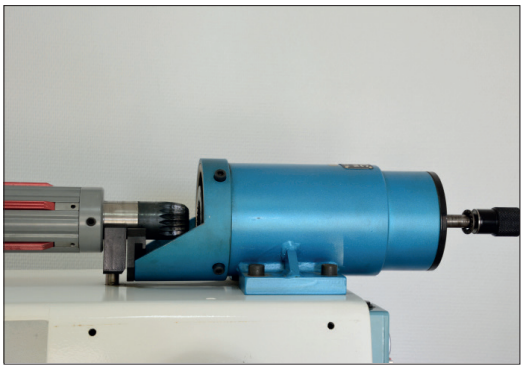
Pneumatic

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)

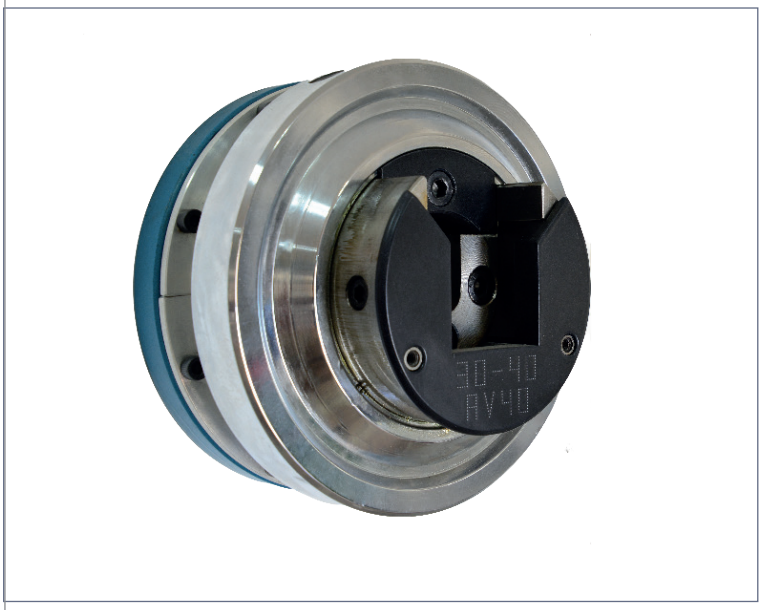


Pneumatic Chuck, double effect
Self-centring and Multifonctions
(serie 2000 - 2100)

Safety Chuck

Pneumatic Chuck with sliding wheel
Simple or Double effect

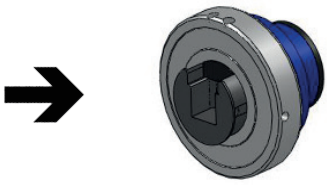
Serie 2200 - 2201
Serie 2300 - 2301
Serie 2400 - 2500



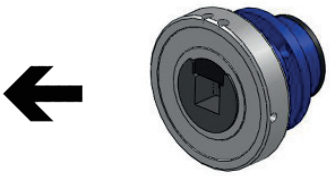
Advantages

+ Can installed in place of any installation
+ Pneumatic opening and closing
+ Automation of the whole process
+ Axial inflation of the shaft possible

Pneumatic opening
Integrated into the machine or push button



Pneumatic closure and automatic closure in case of forgetfulness of the user



Options Type:

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

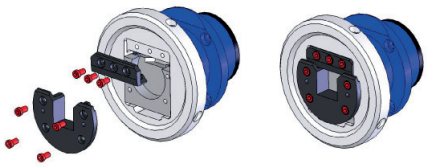
Create your Safety Chuck!

Low Maintenance

The Safety Chucks designed to optimize your maintenance time

Gain nearly 15 min. on changing your wear parts

7 screws and disassembly only by front side

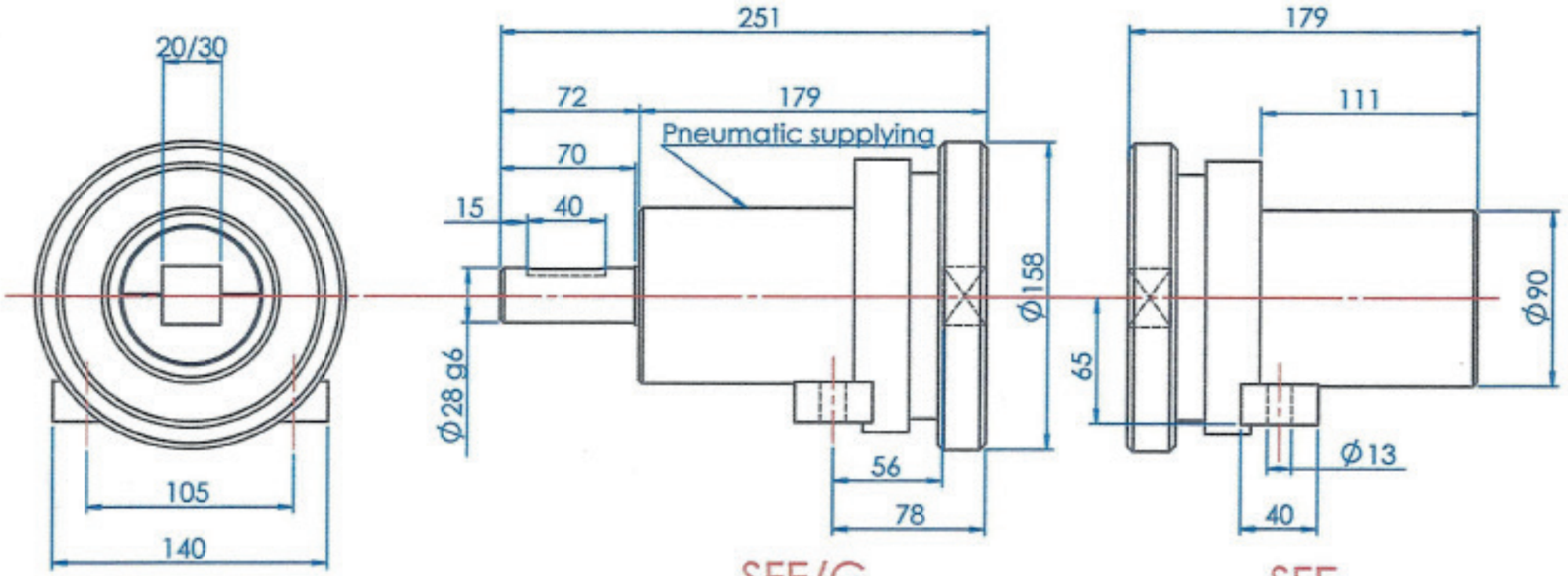


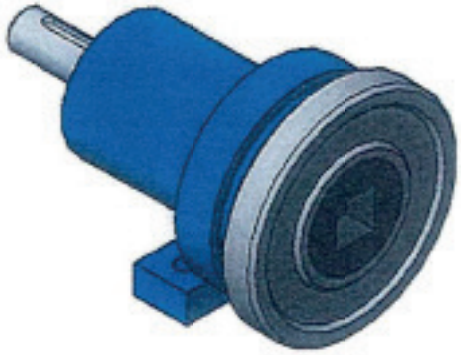
Layout map

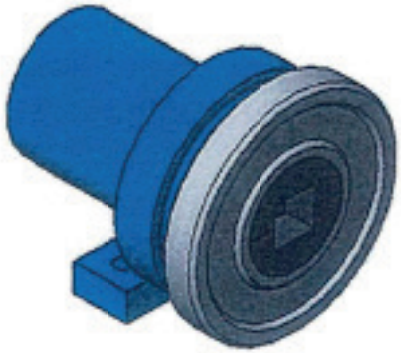
Manual Safety Chuck

Drawings for measurement taking

Chuck Serie 2200 and 2201, 2300 and 2301







Pneumatic safety chuck serie 2200 double effect

Pneumatic safety chuck serie 2201 simple effect

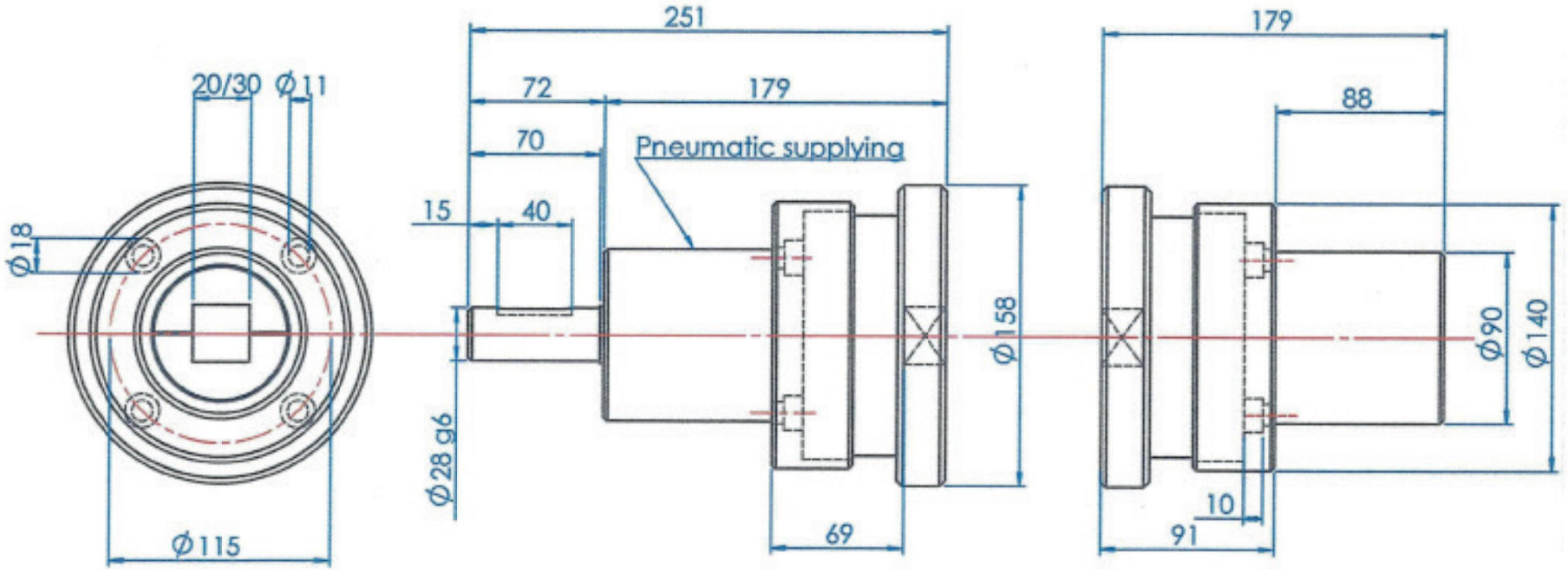
SAFETY CHUCK SERIE 2200-2201 20/30

Square : 20 to 30 depth 22

Rollweight: 8000 N

Torque : 185 Nm

MBC Guttin



SFE/G

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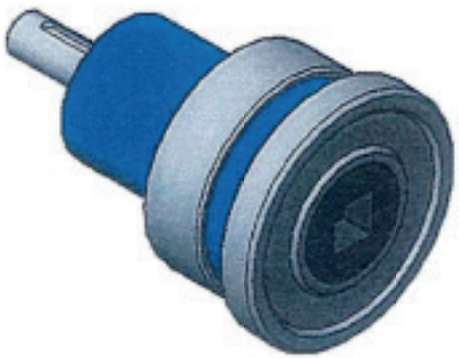


Pneumatic safety chuck serie 2300 double effect

Pneumatic safety chuck serie 2301 simple effect

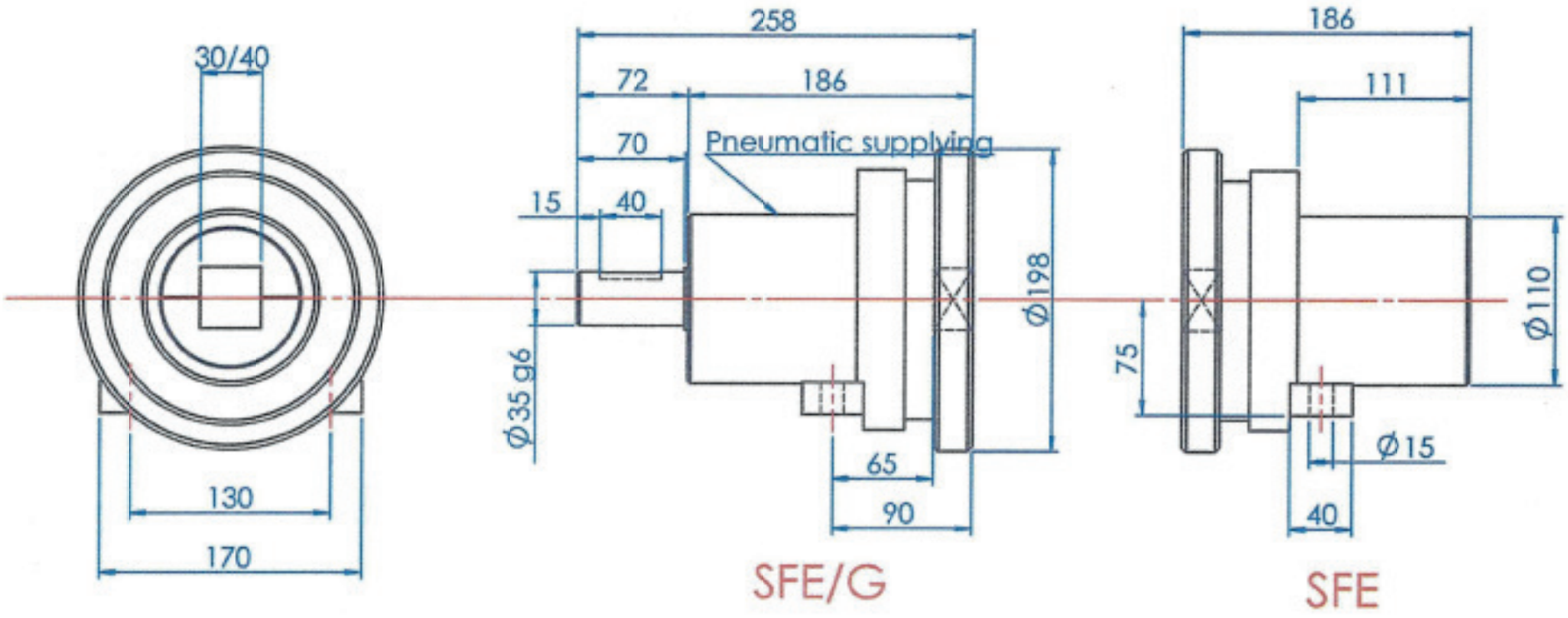
SAFETY CHUCK SERIE 2300-2301 20/30

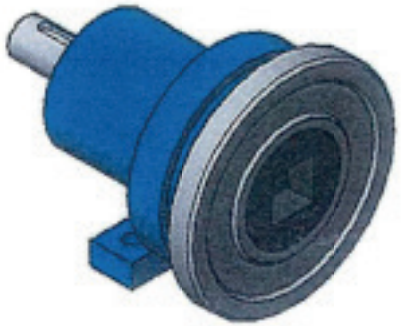
Square : 20 to 30 depth 22

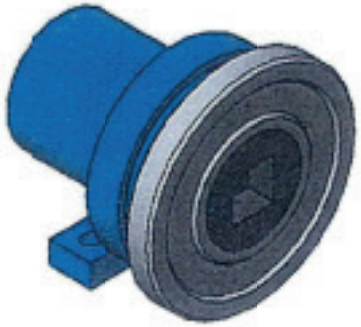
Rollweight : 8000 N

Torque : 185 Nm

MBC Guttin







Pneumatic safety chuck serie 2200 double effect

Pneumatic safety chuck serie 2201 simple effect

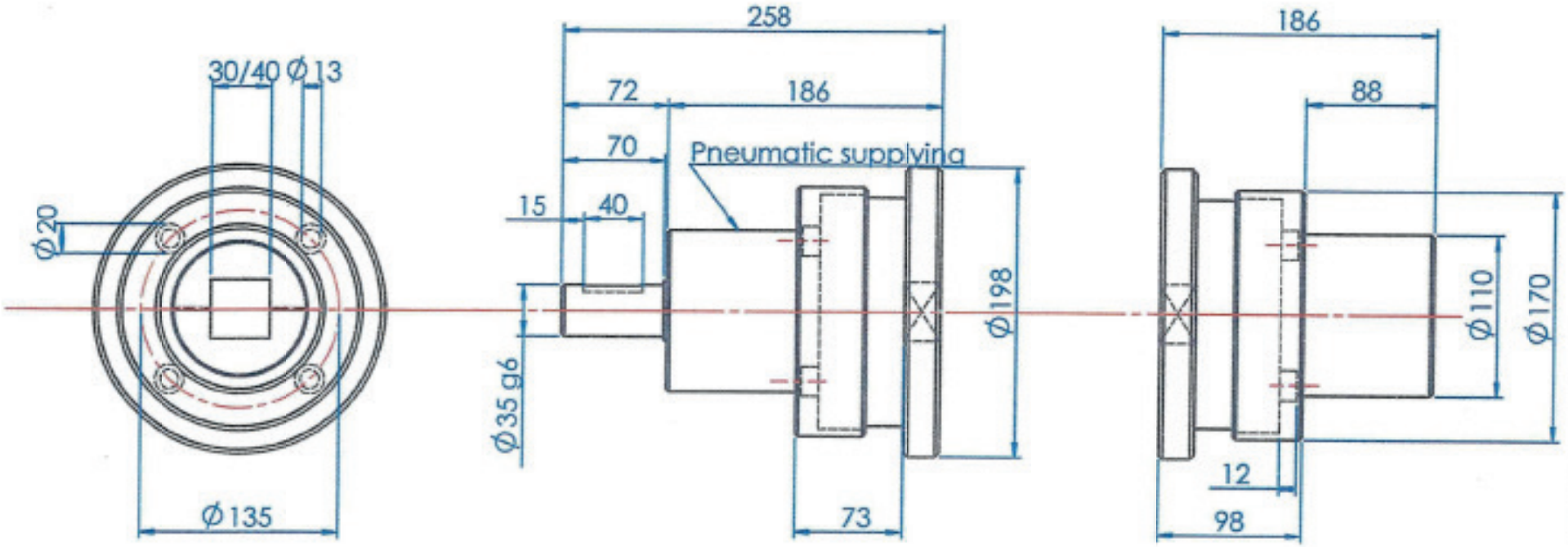
SAFETY CHUCK SERIE 2200-2201 30/40

Square : 30 to 40 depth 25

Rollweight : 16000 N

Torque : 350 Nm

MBC Guttin



SFE/G

SFE

Pneumatic safety chuck serie 2300 double effect

Pneumatic safety chuck serie 2301 simple effect

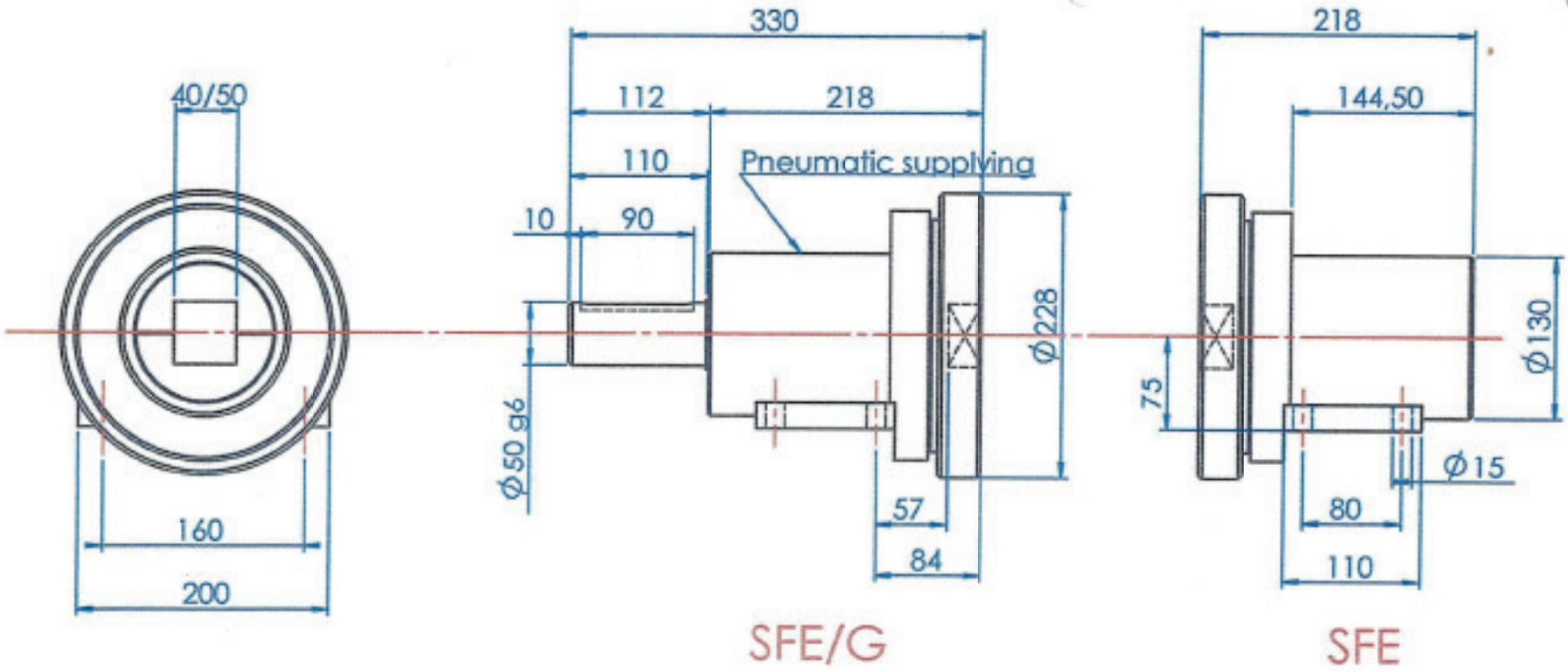
SAFETY CHUCK SERIE 2300-2301 30/40

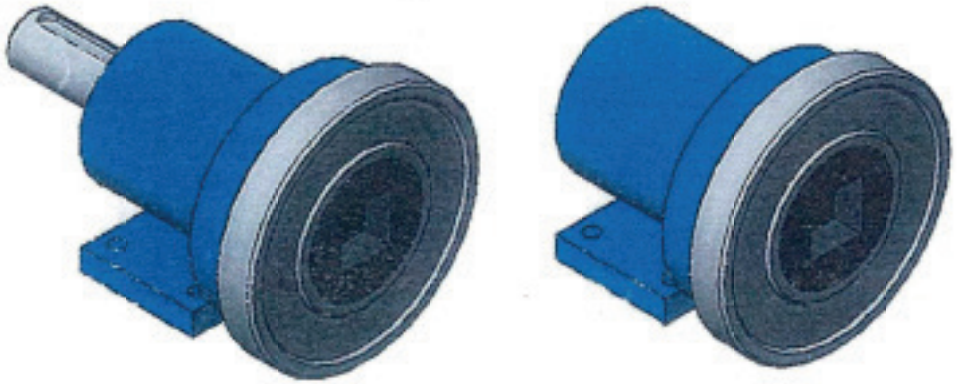
Square : 30 to 40 depth 25

Rollweight : 16000 N

Torque : 350 Nm

MBC Guttin





- Pneumatic safety chuck serie 2200 double effect
- Pneumatic safety chuck serie 2201 simple effect

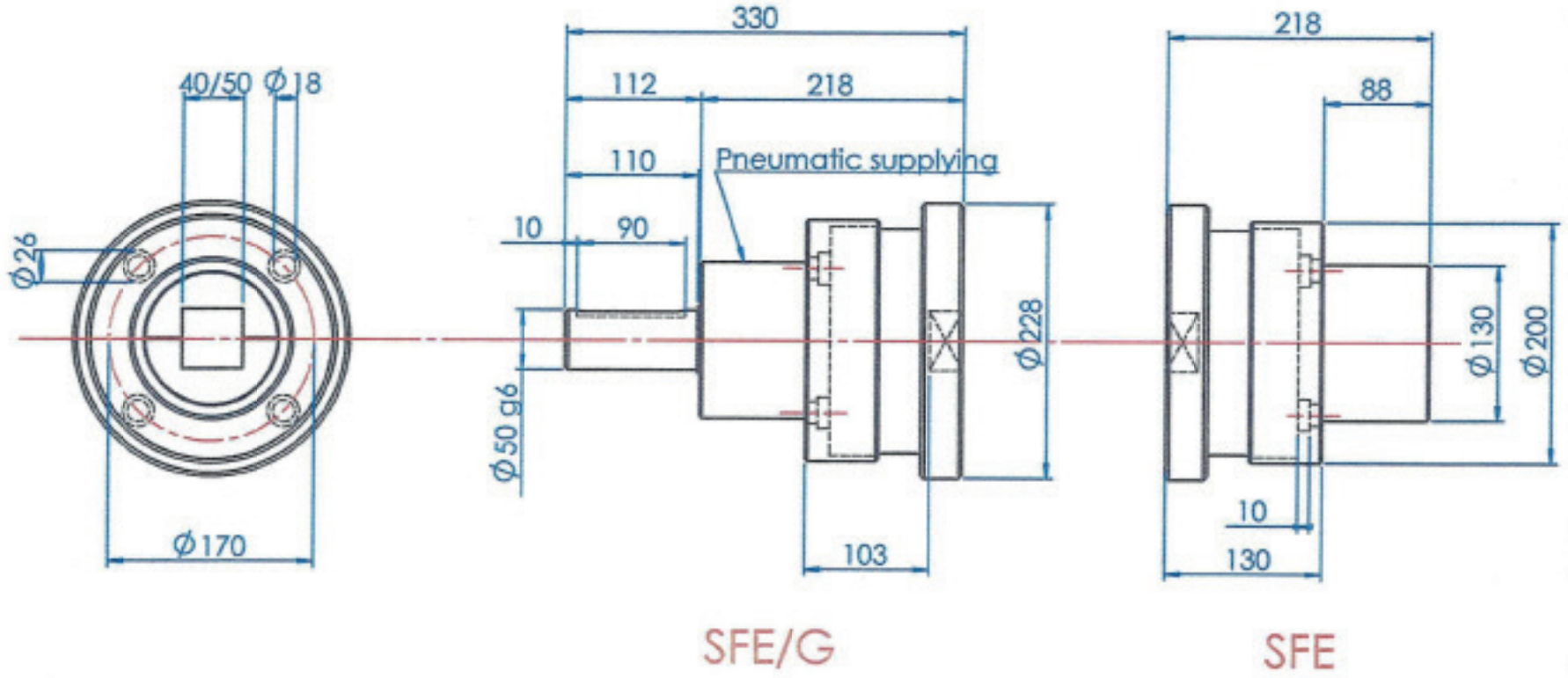
SAFETY CHUCK SERIE 2200-2201 40/50

Square : 40 to 50 depth 27

Rollweight : 28500 N

Torque : 1100 Nm

MBC Guttin



Pneumatic safety chuck serie 2300 double effect

Pneumatic safety chuck serie 2301 simple effect

SAFETY CHUCK SERIE 2300-2301 40/50

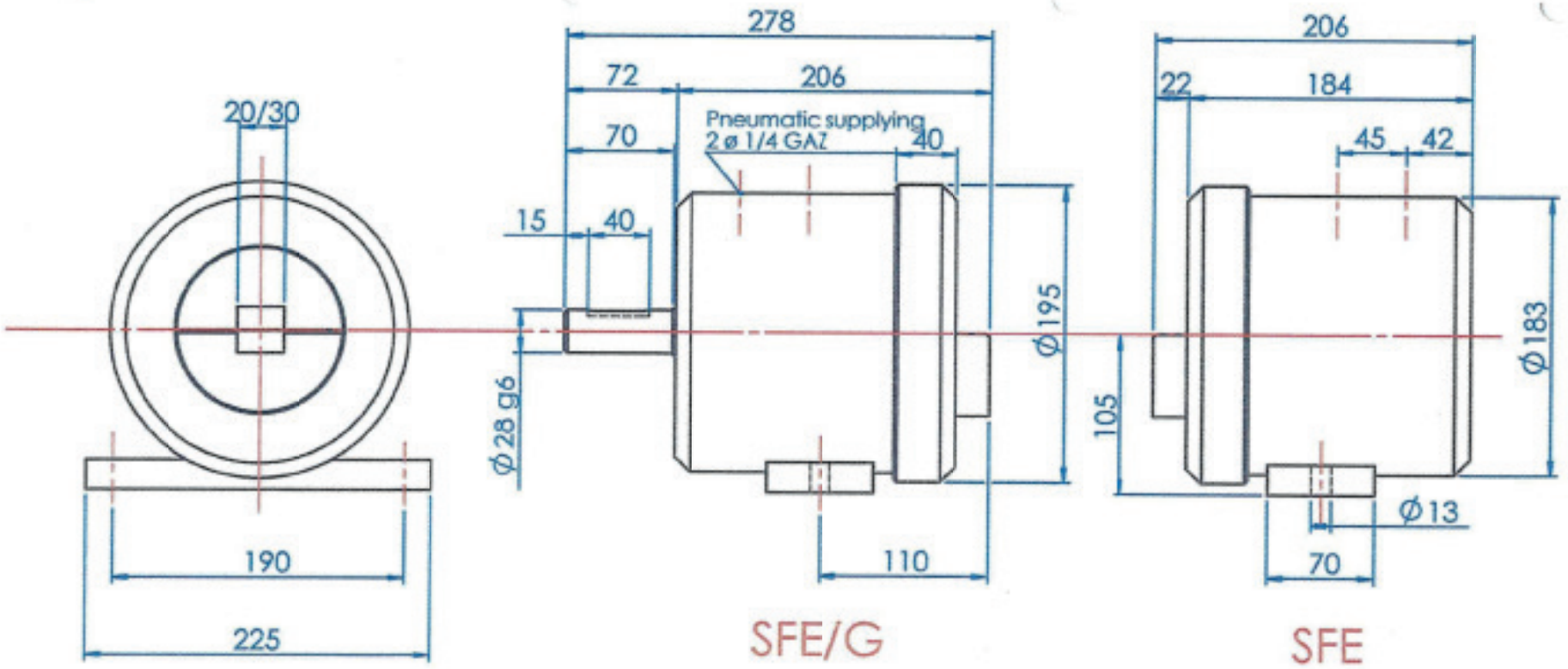
Square : 40 to 50 depth 27

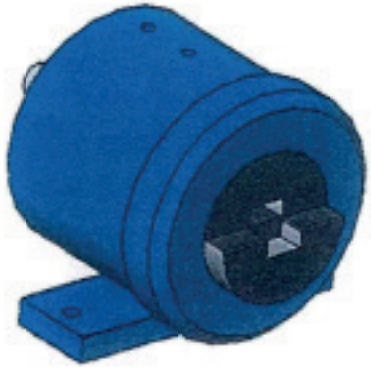
Rollweight : 28500 N

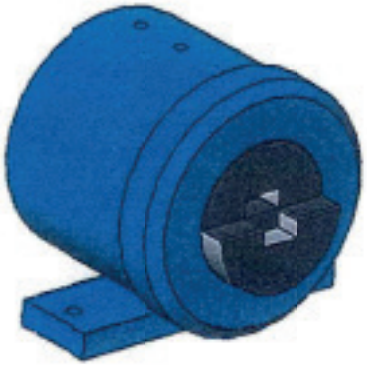
Torque : 1100 Nm

MBC Guttin

Chuck serie
2400 and 2500







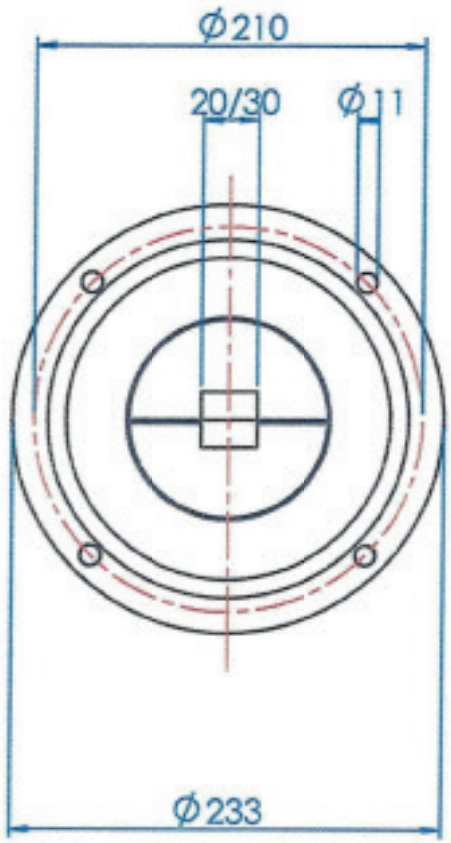
SAFETY CHUCK SERIE 2400 20/30

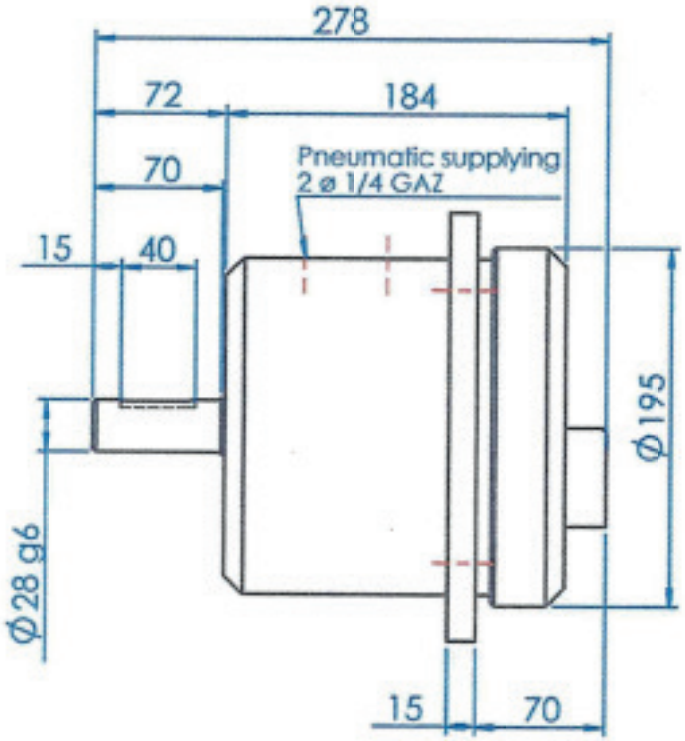
Square : 20 to 30 depth 22

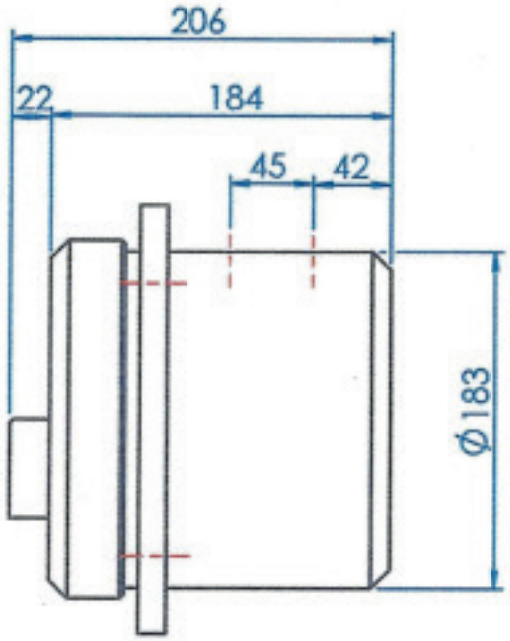
Rollweight : 8000 N

Torque: 185 Nm

MBC Guttin







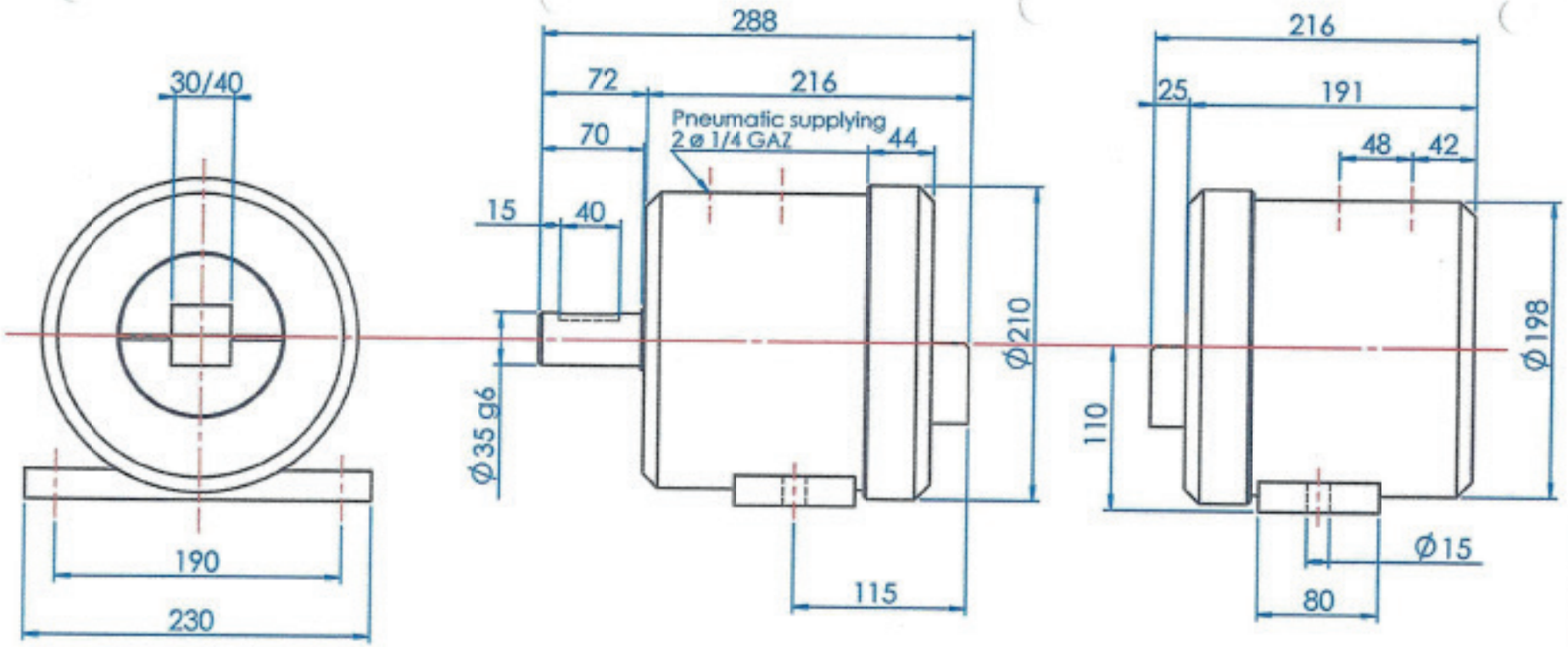
SAFETY CHUCK SERIE 2500 20/30

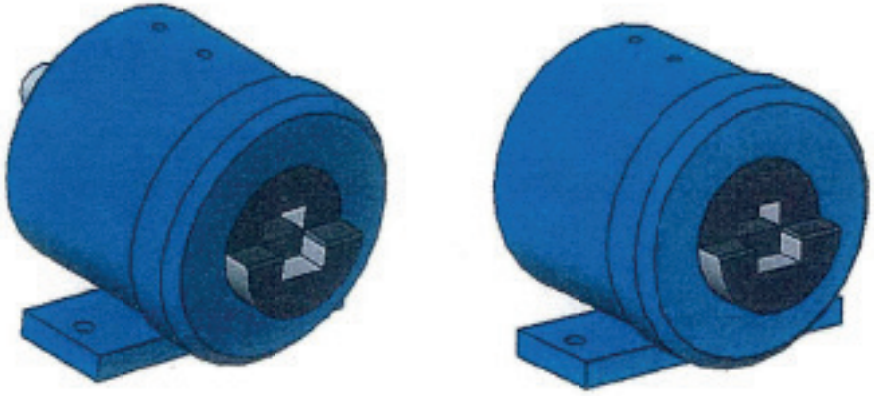
Square : 20 to 30 depth 22

Rollweight : 8000 N

Torque : 185 Nm

MBC Guttin





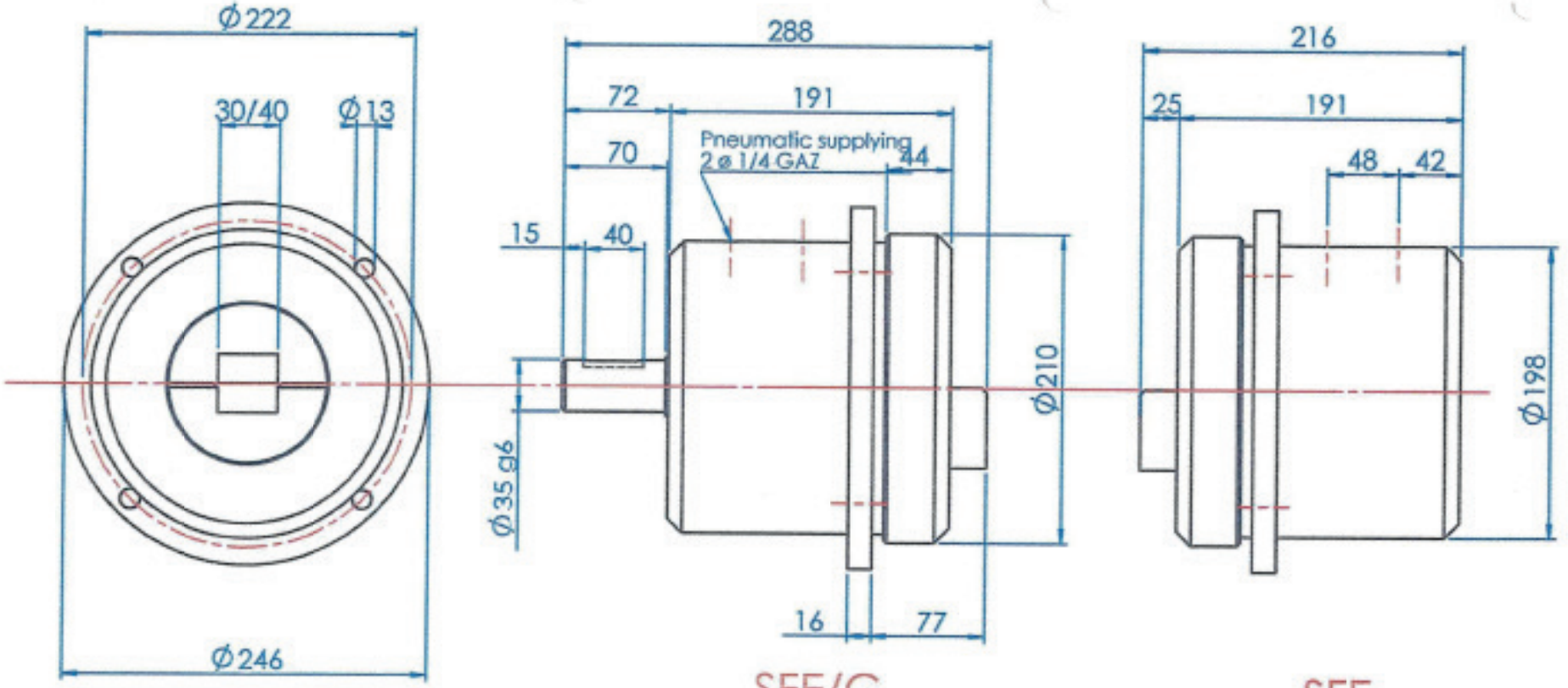
SAFETY CHUCK SERIE 2400 30/40

Square : 30 to 40 depth 25

Rollweight : 16000 N

Torque: 350 Nm

MBC Guttin



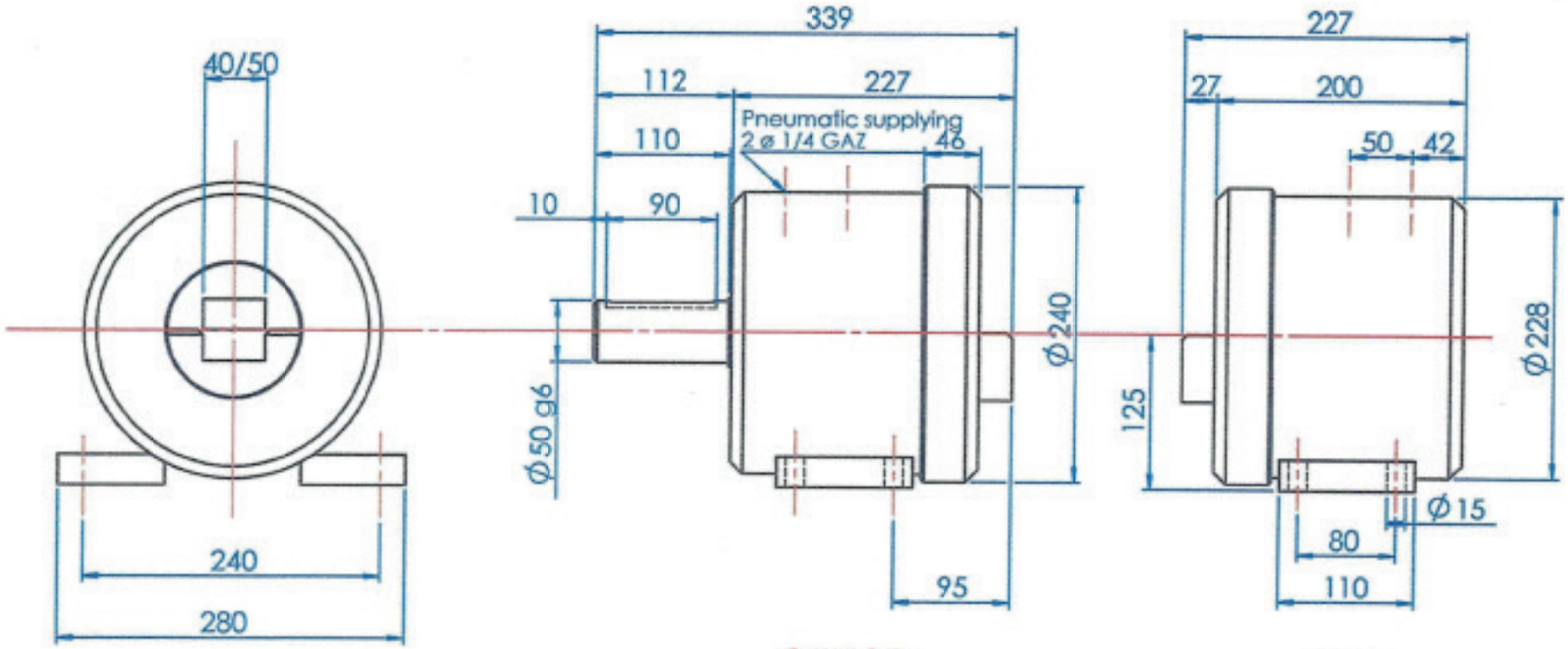
SAFETY CHUCK SERIE 2500 30/40

Square : 30 to 40 depth 25

Rollweight : 16000 N

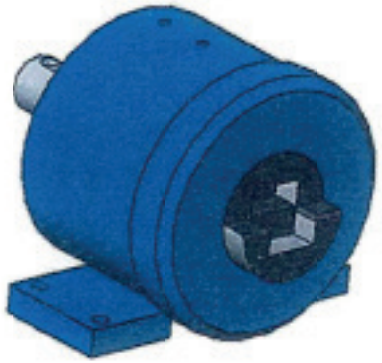
Torque : 350 Nm

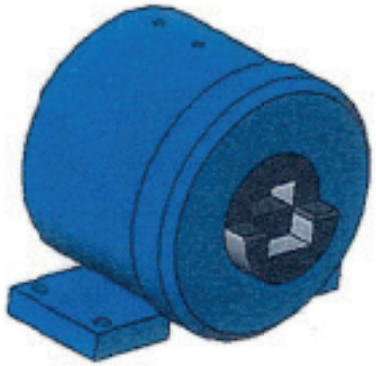
MBC Guttin



SFE/G

SFE





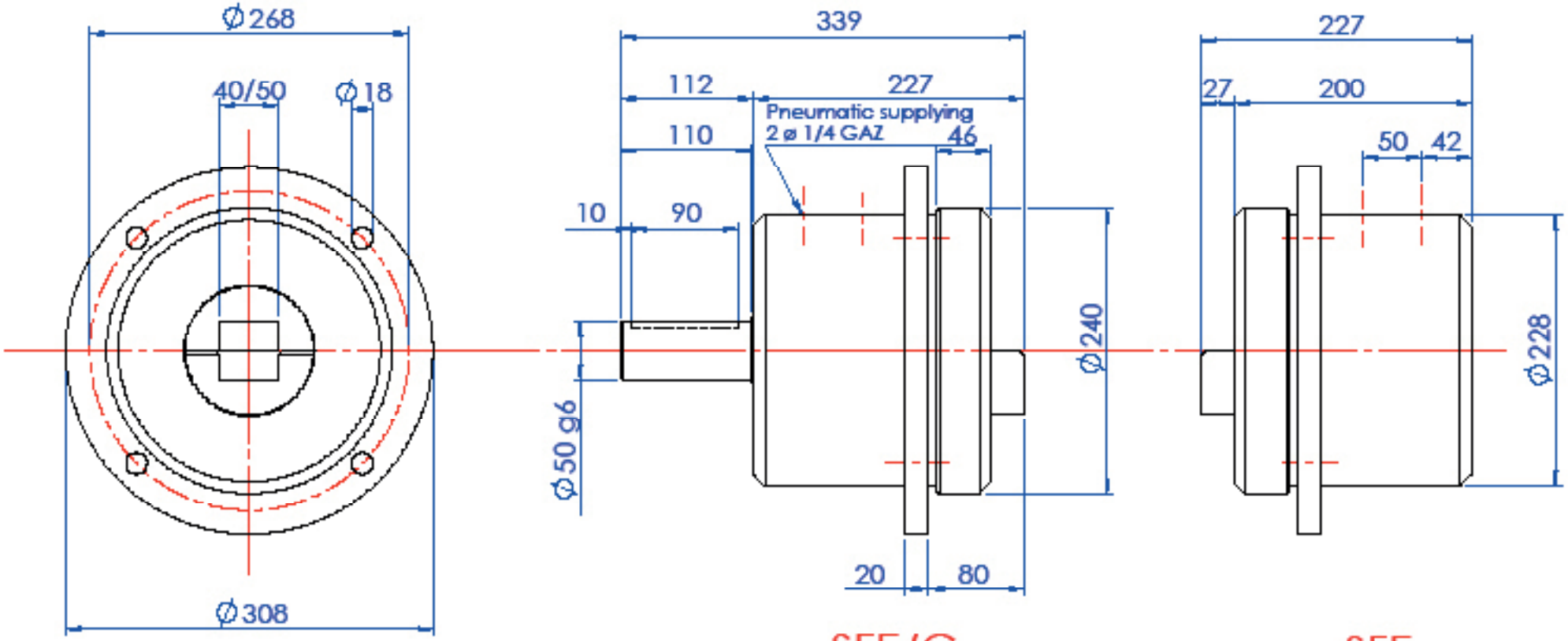
SAFETY CHUCK SERIE 2400 40/50

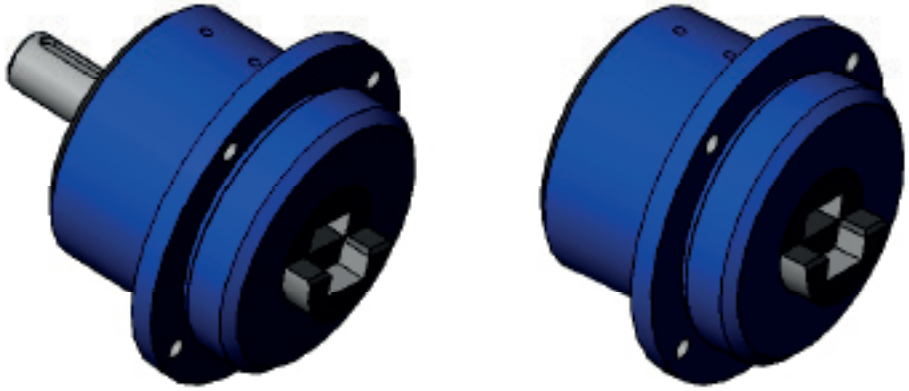
Square : 40 to 50 depth 27

Rollweight : 28500 N

Torque : 1100 Nm

MBC Guttin





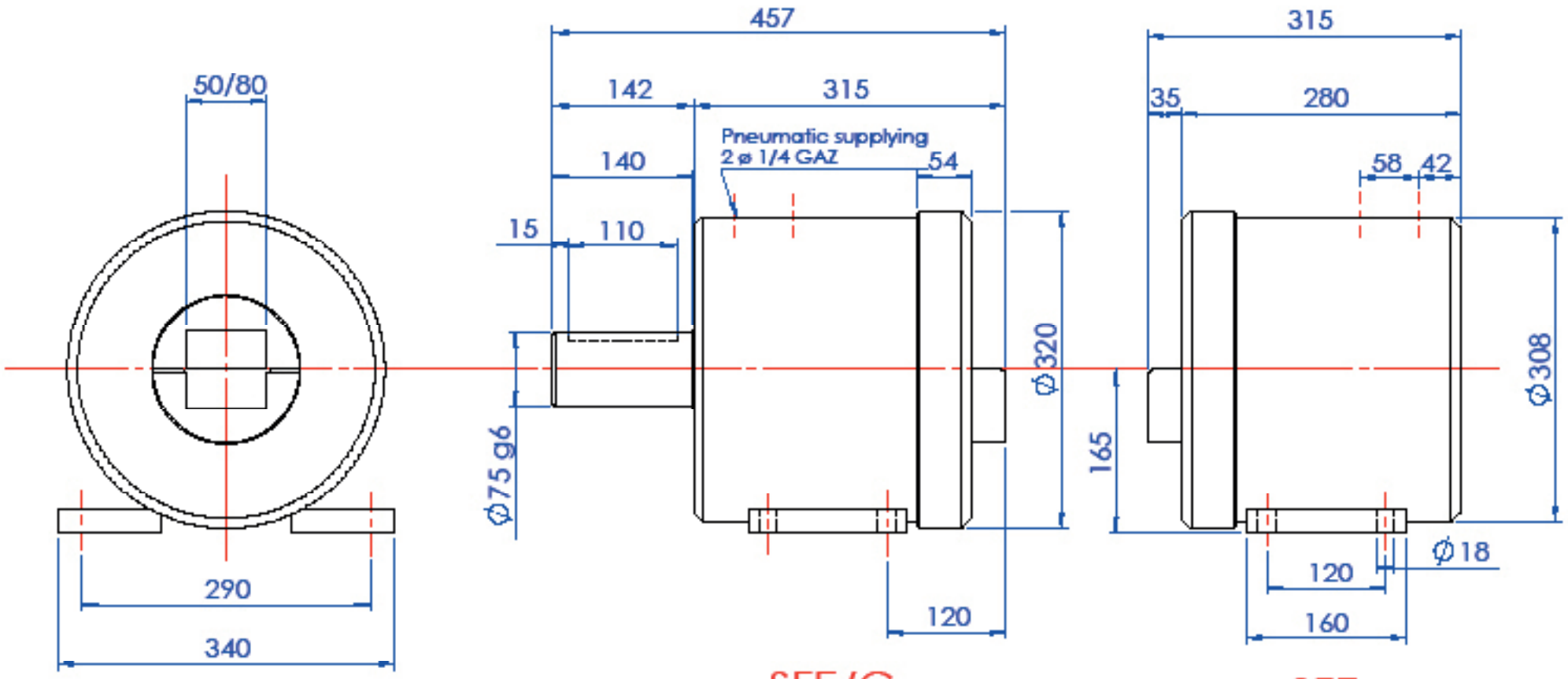
SAFETY CHUCK SERIE 2500 40/50

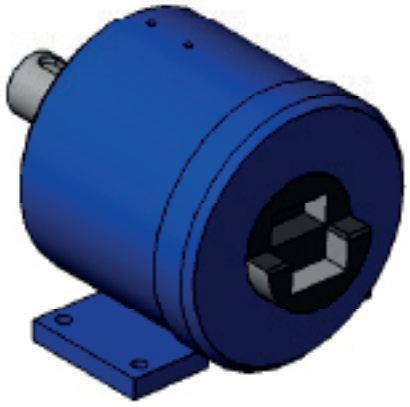
Square : 40 to 50 depth 27

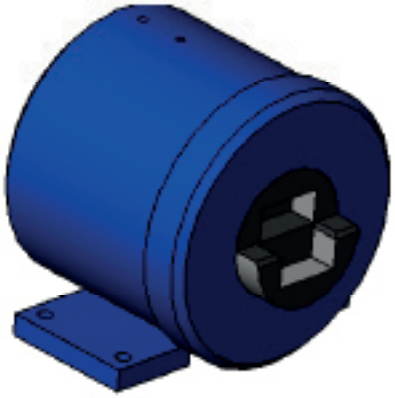
Roll weight : 28 500 N

Torque : 1 100 Nm

MBC Guttin







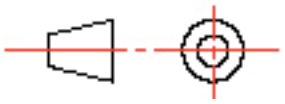
SAFETY CHUCK SERIE 2400 50/80

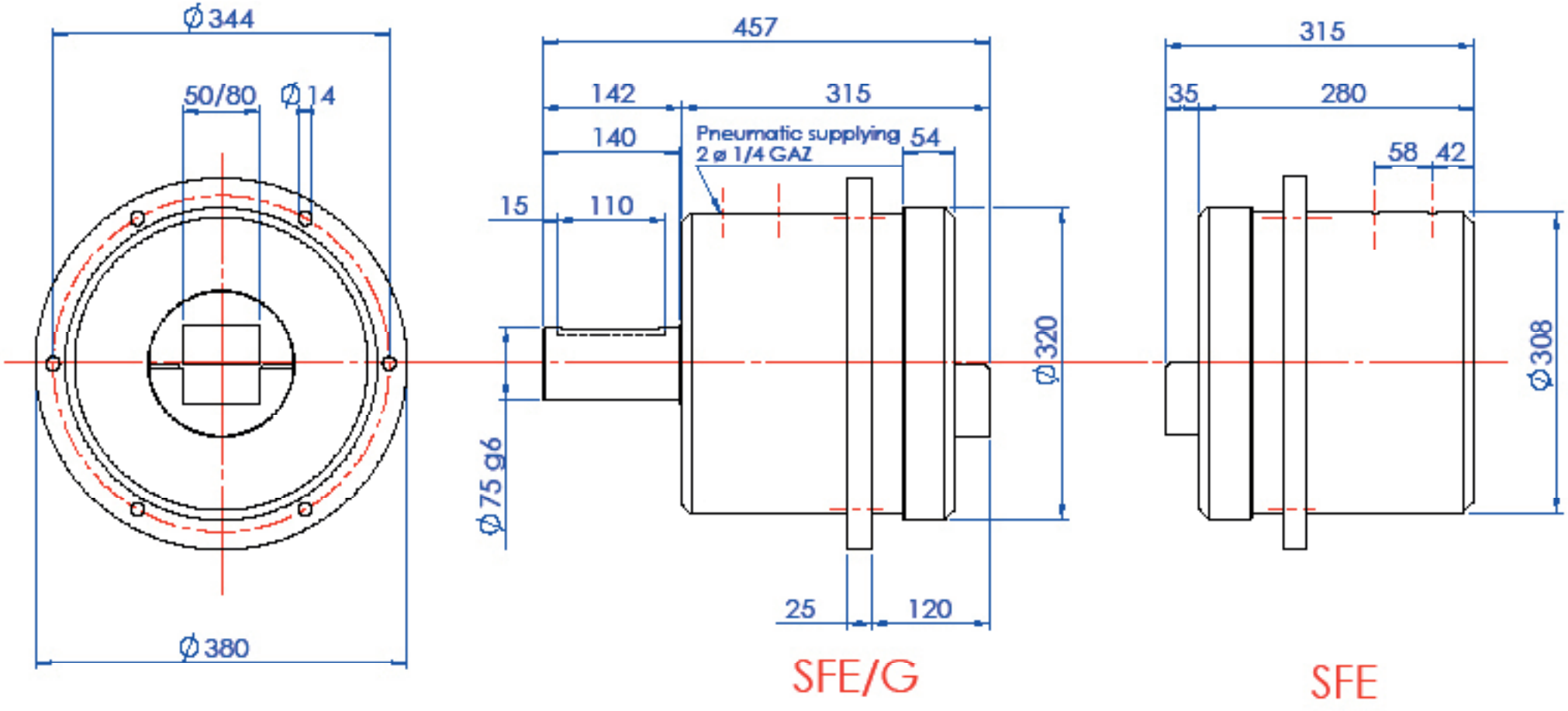
Square : 50 to 80 depth 35

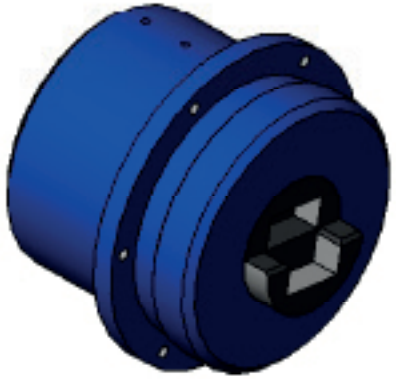
Rollweight : 72 000 N

Torque : 2 350 Nm

MBC Guttin







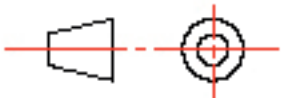
SAFETY CHUCK SERIE 2500 50/80

Square : 50 to 80 depth 35

Roll weight : 72 000 N

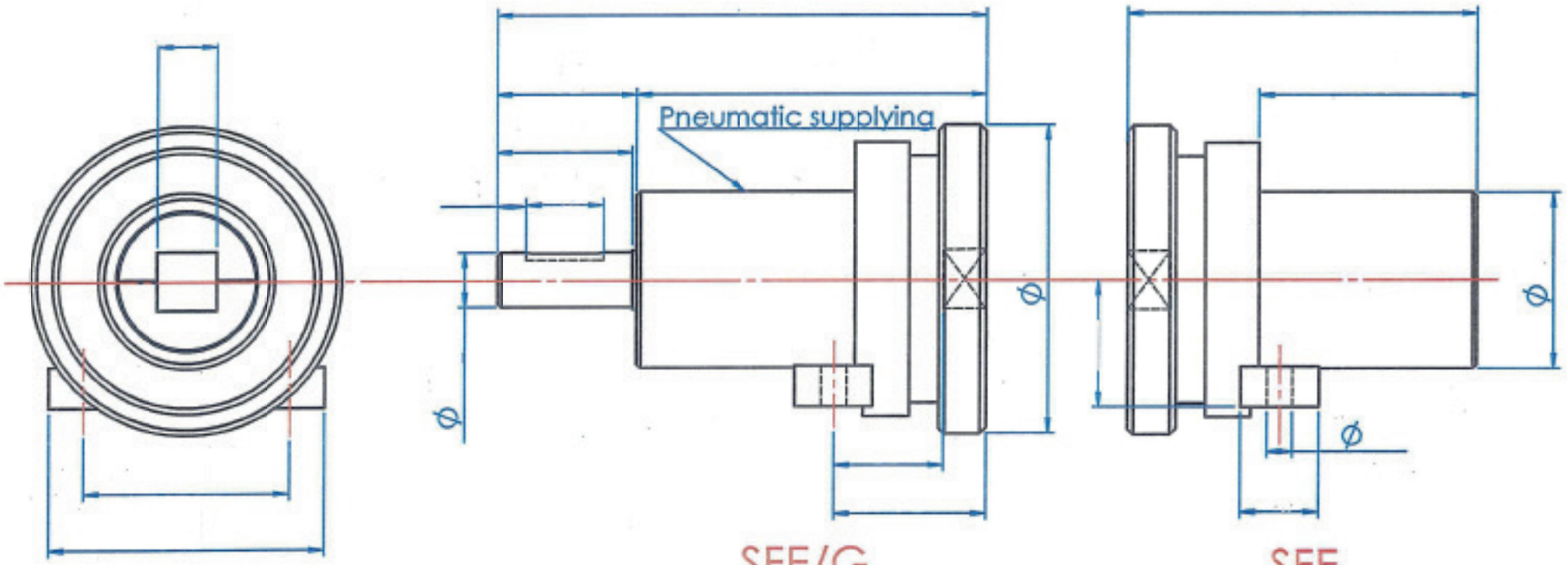
Torque : 2 850 Nm

MBC Guttin



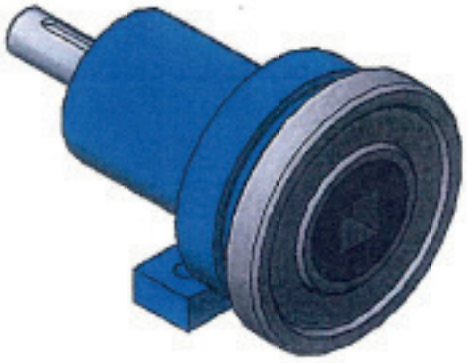
NOTES

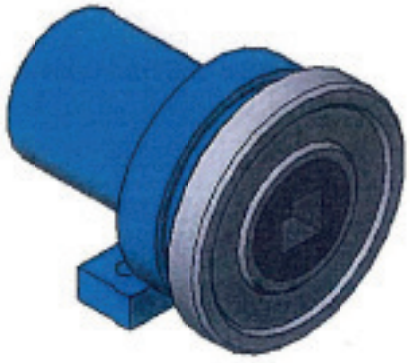
Drawings for measurement taking



SFE/G

SFE





Pneumatic safety chuck double effect

Pneumatic safety chuck simple effect

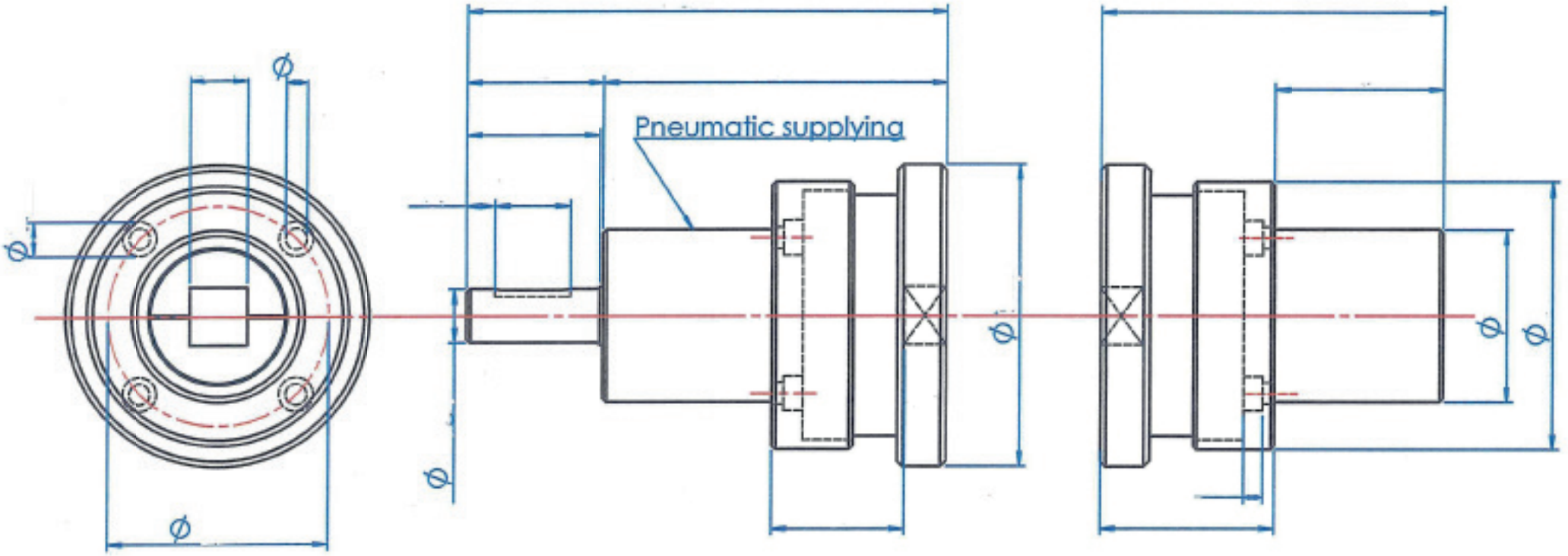
SAFETY CHUCK

Square : to depth

Rollweight: N

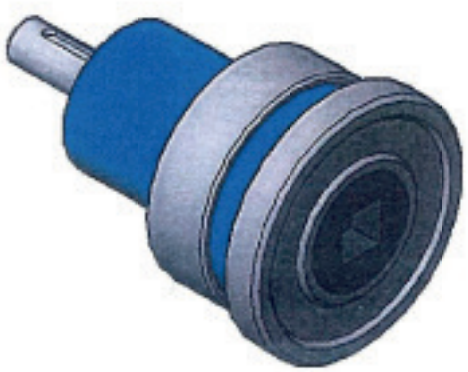
Torque : Nm

MBC Guttin



SFE/G

SFE



Pneumatic safety chuck double effect

Pneumatic safety chuck simple effect

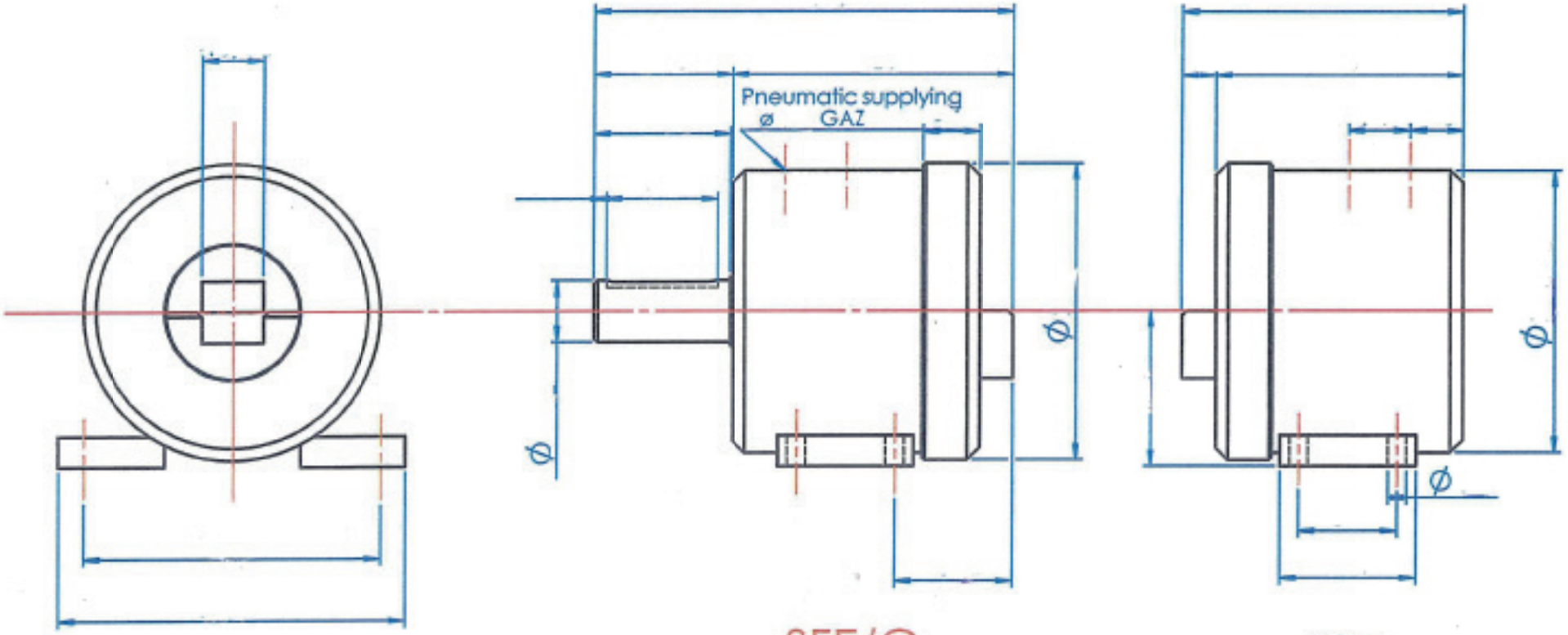
SAFETY CHUCK SERIE

Square : to depth

Rollweight : N

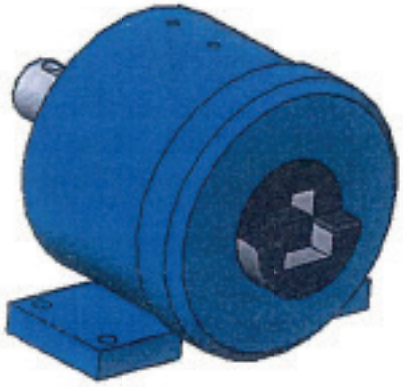
Torque : Nm

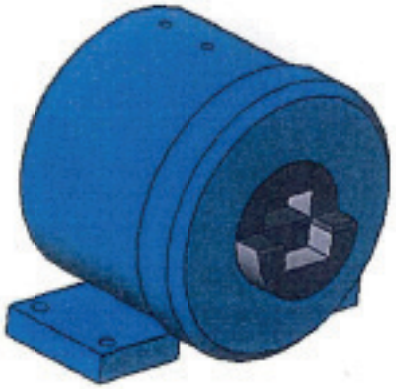
MBC Guttin



SFE/G

SFE





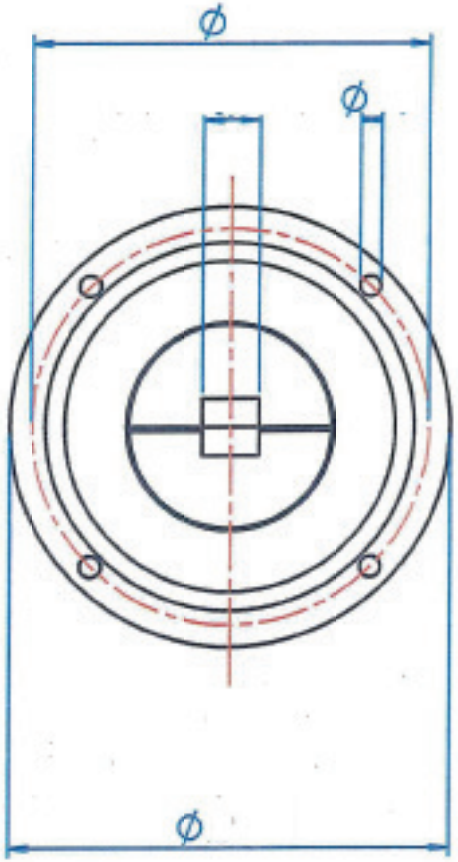
SAFETY CHUCK

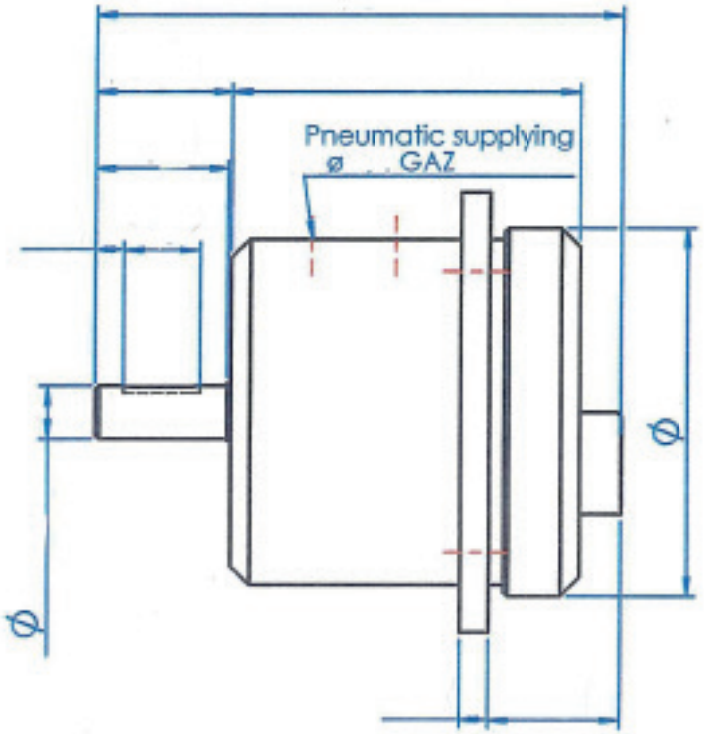
Square : to depth

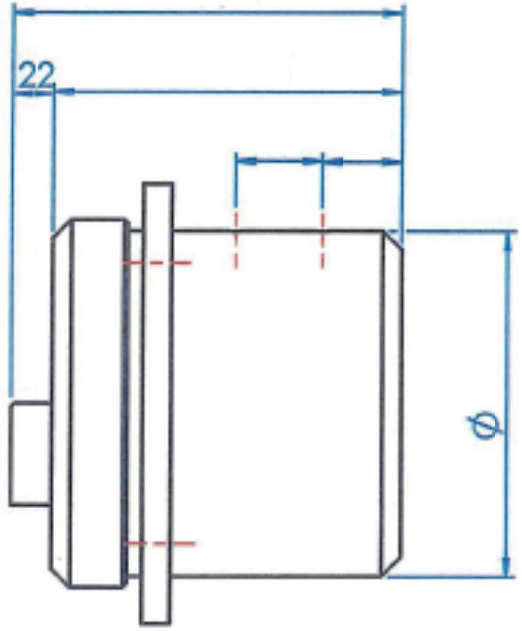
Rollweight : N

Torque : Nm

MBC Guttin







SAFETY CHUCK

Square : to depth

Rollweight : N

Torque : Nm

MBC Guttin

III. Safety Chuck

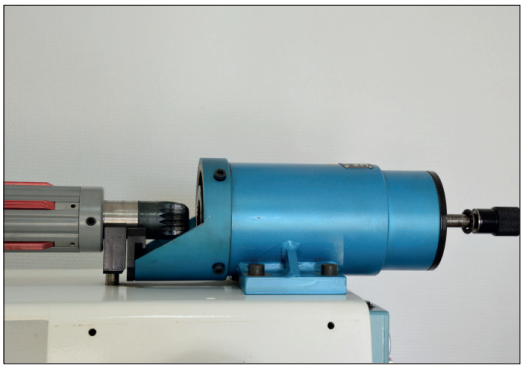
Pneumatic and Self-centring

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)

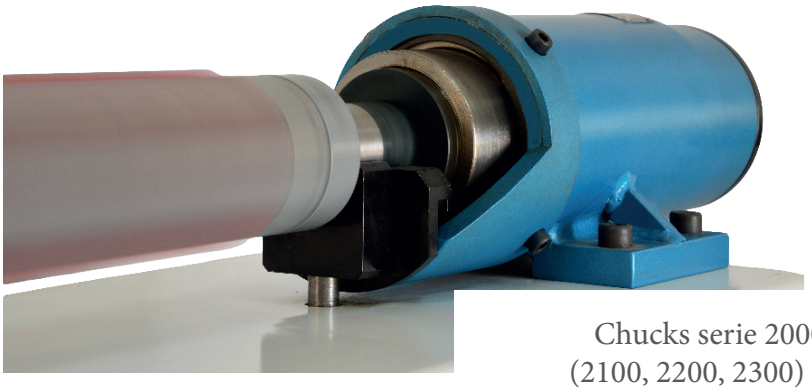


Pneumatic Chuck, double effect
Self-centring and Multifonctions
(serie 2000 -2100)

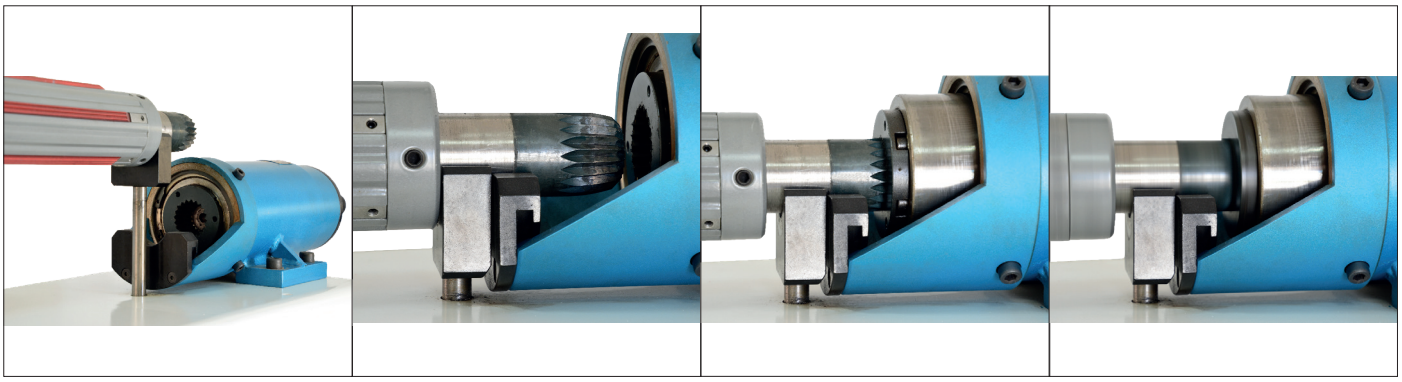
MBC **Patent** : Chuck serie 2000

Advantages

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



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



Step 1	Step 2	Step 3	Step 4
Place your shaft on the shaft support	Turn on your pneumatic system	Thanks to its tapered notched end shaft, the chuck serie 2000 comes to retrieve your shaft and center automatically. Its double cone facilitates his indexing and does not damage the tooth	Rotating. You get a vibration-free rotation that now allow you to work at very high speed safely.

Available Options :

Smoothed bar support

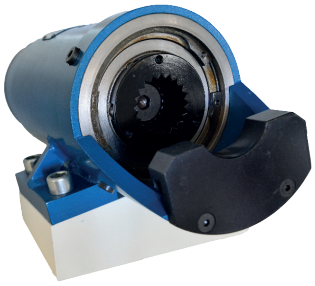
Bar supports with bearing range

Expansible head with shells

Expansible head with lugs

Chuck Serie 2000,

A Chuck Mutlifunctions



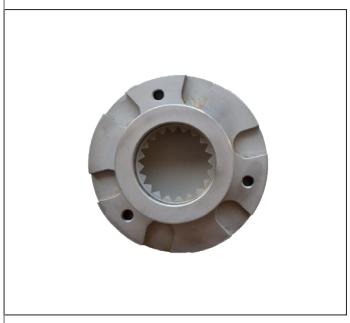
Why a Chuck Multifunctions ?

The Chuck serie 2000 is by origin mounted with concal end shaft. However, MBC Guttin worked on his design to meet your expectations. Result: it is now possible to work between point. MBC offers you his range of head and spindle expansible.

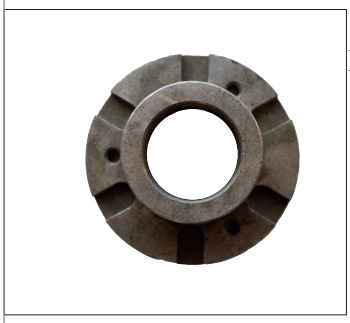
You will find all types of female end shafts available for this chuck and interchangeable easily.

A special request ? Call us !

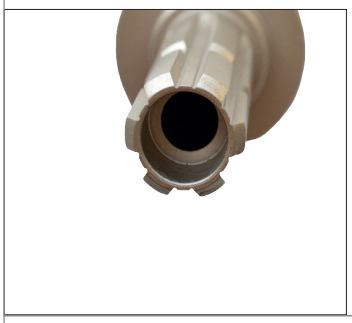
For work directly on core, of between point, MBC offers you his mechanic or expansible head range.



Conical adapter

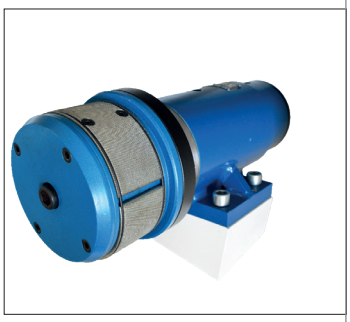


Round adapter smooths



Adaptater
Type agricultural

Shells expansible head

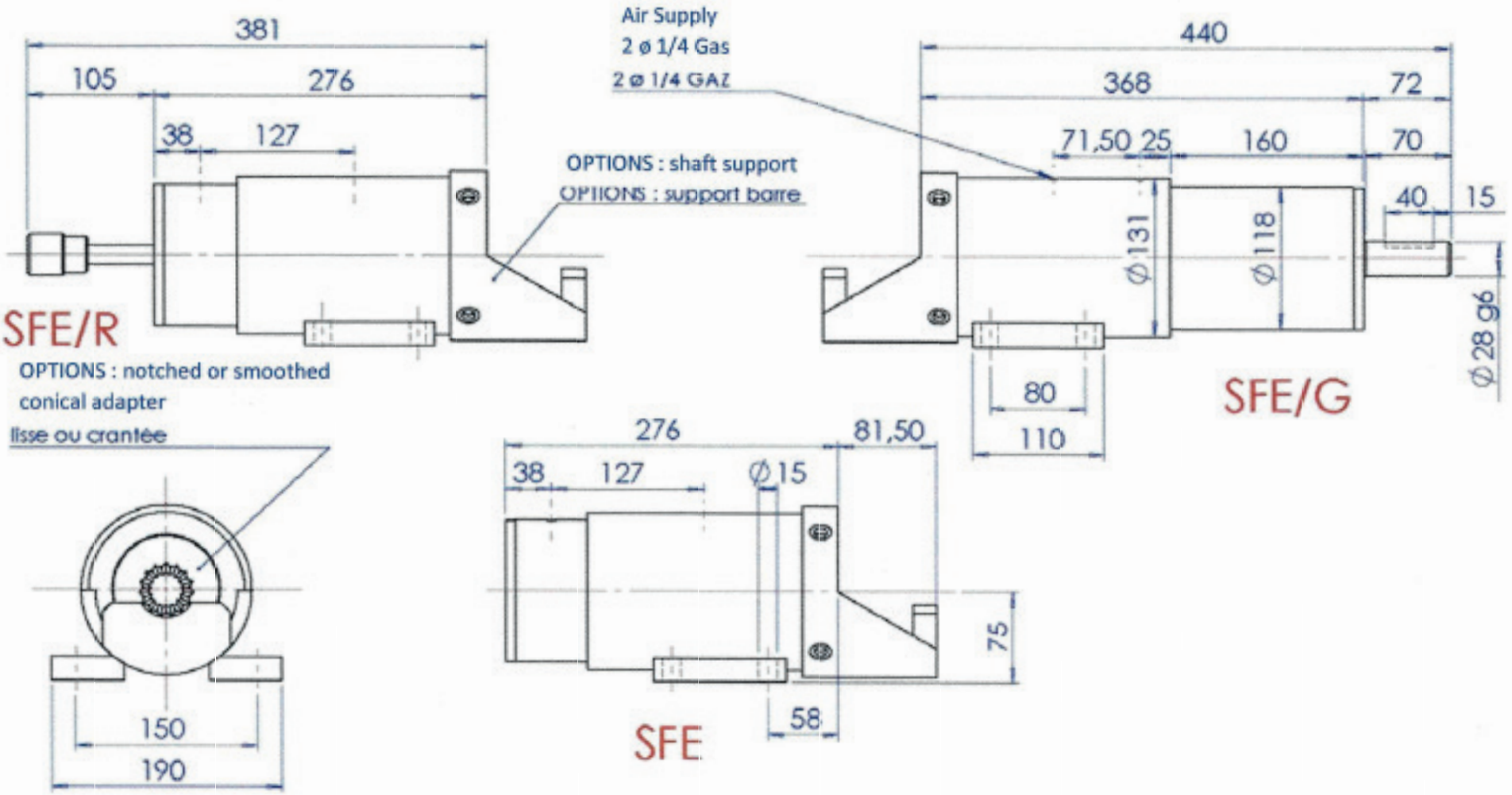


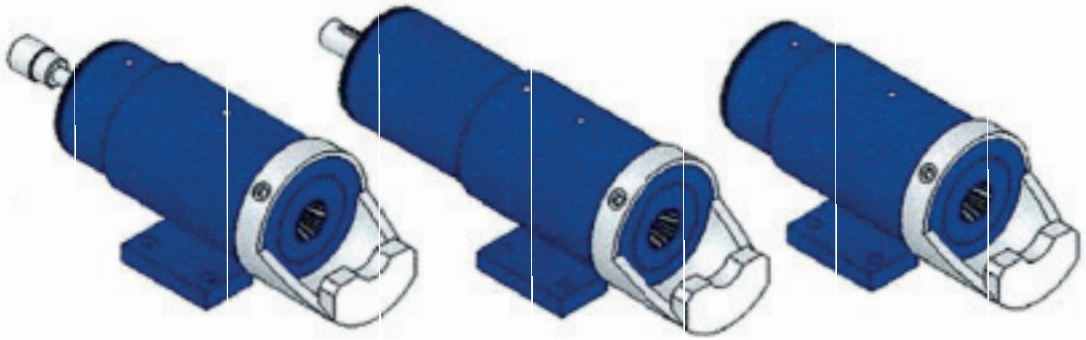
Expansible head with lugs

Layout Plan

- Safety Chuck -
Pneumatic
Self centring

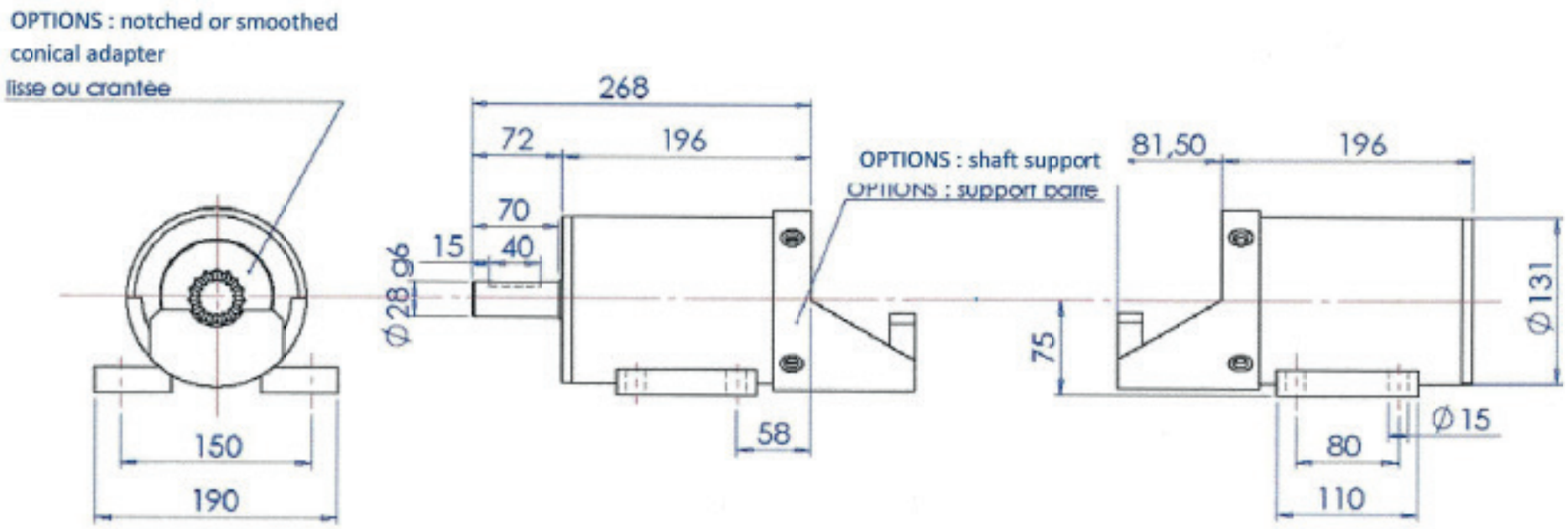
Chuck serie
2000 - 2100





PNEUMATIC CHUCK
SERIE 2000 20/30
STROKE 60 mm
Roll weight : 8000 N
Available in Stroke 100 rnm

MBC Guttin



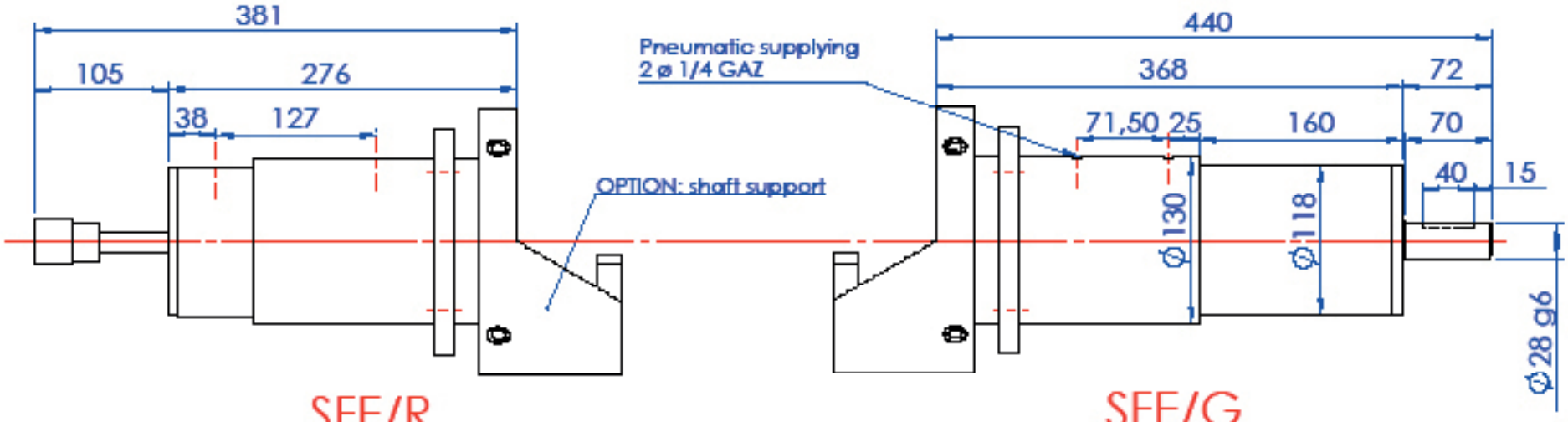
SFE/STG

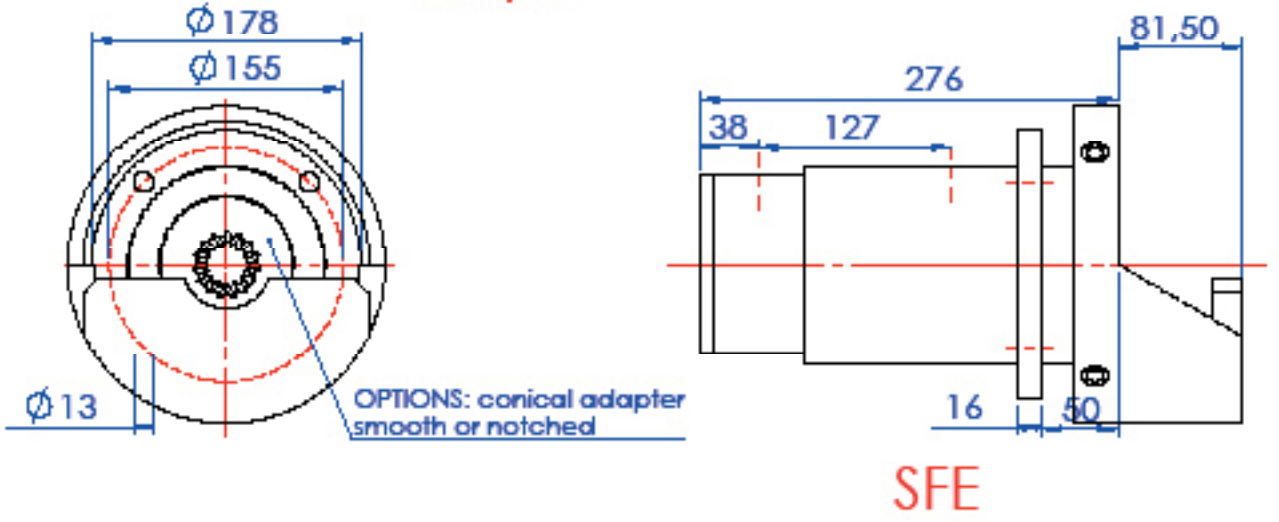
SFE/ST

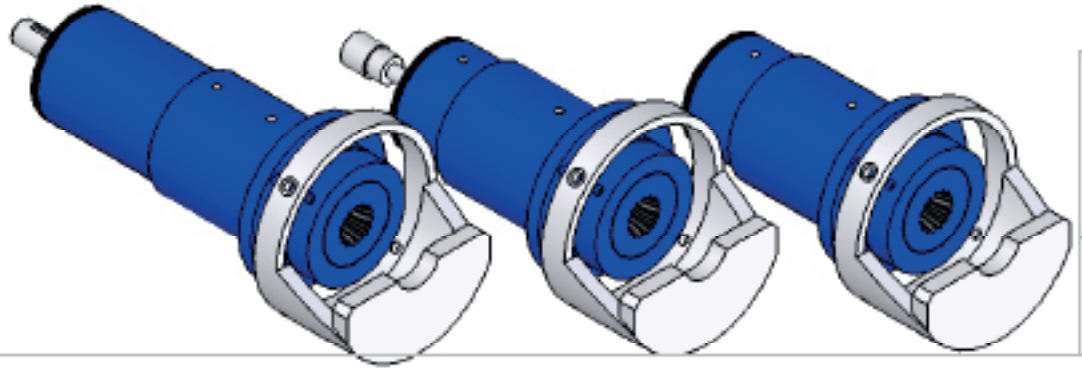
CHUCK WITHOUT AXIAL SLIDING
SERIE 2000 20/30

Roll Weight : 8000 N

MBC Guttin



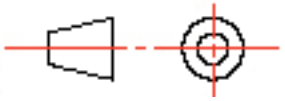


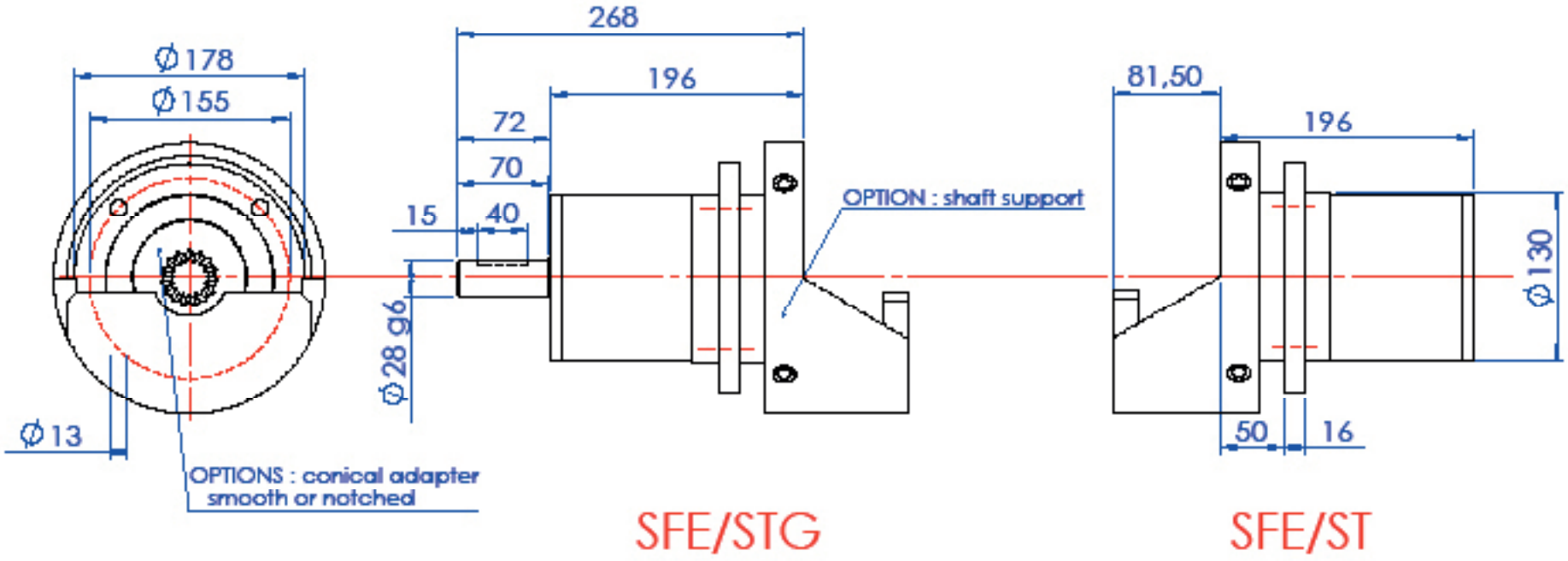


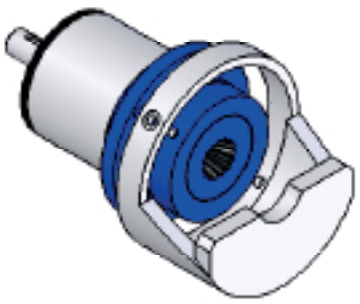
PNEUMATIC SAFETY CHUCK
SERIE 2 100 20/30
STROKE 60

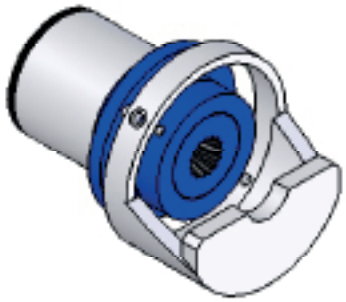
Roll weight : 8 000 N
Available with stroke 100 mm

MBC Guttin







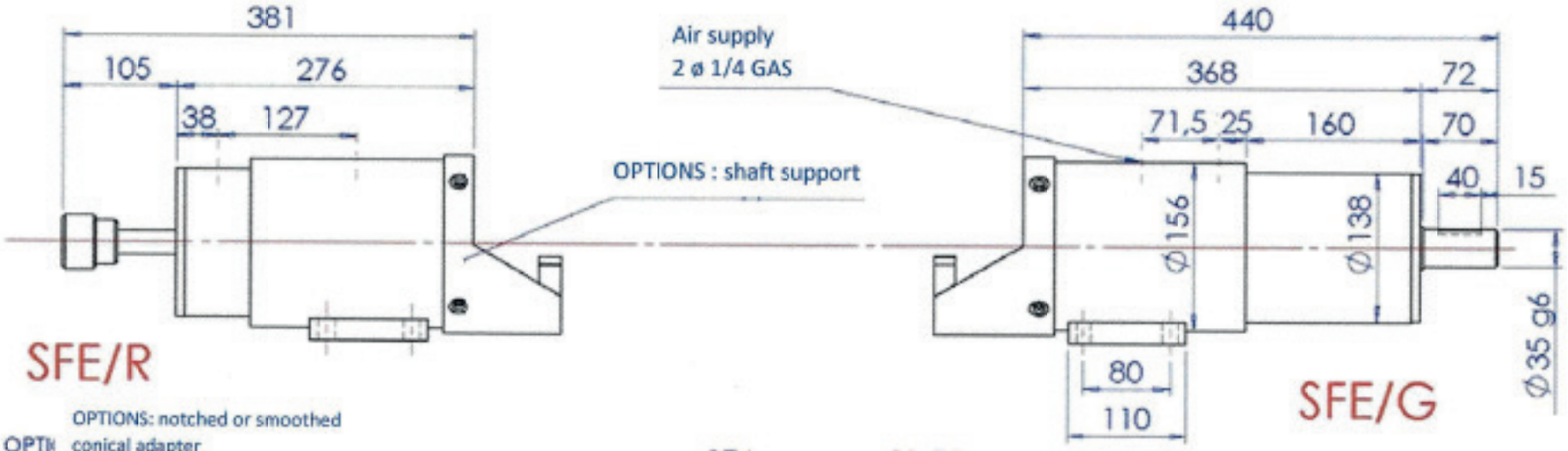


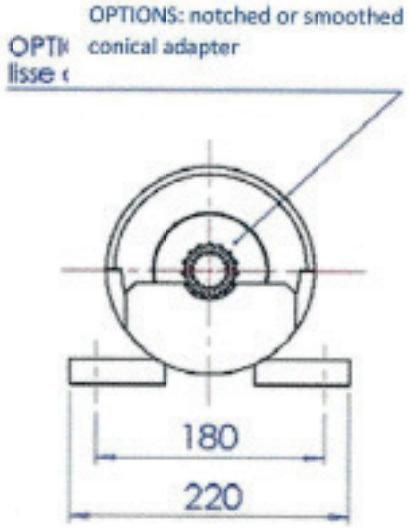
SAFETY CHUCK -
Without axial sliding

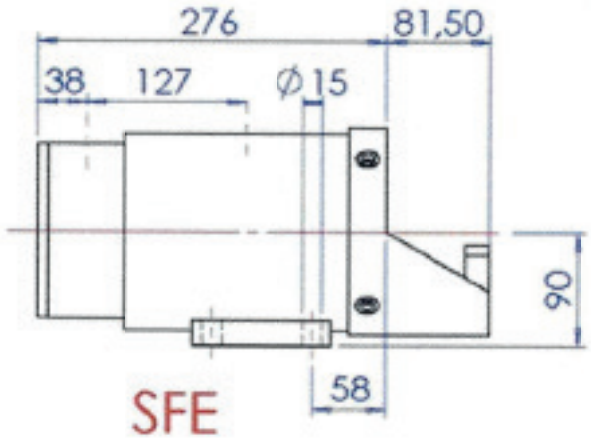
SERIE 2100 20/30

Roll weight : 8 000 N

MBC Guttin



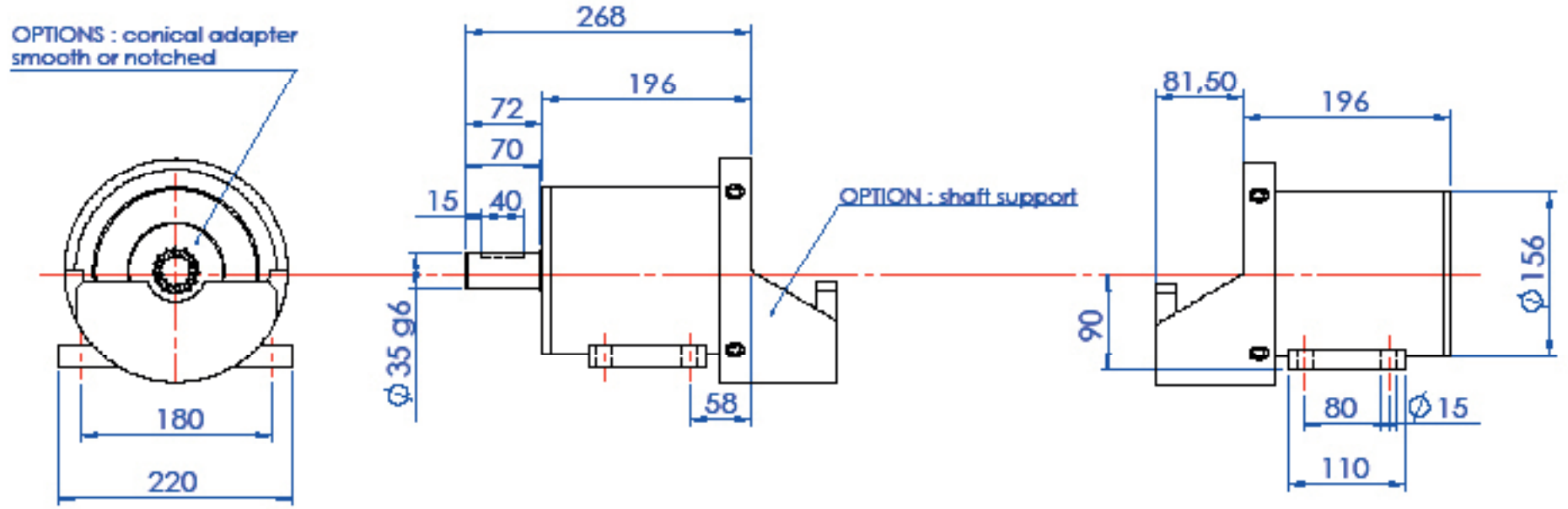




PNEUMATIC CHUCK
SERIE 2000 30/40
STROKE 60 mm

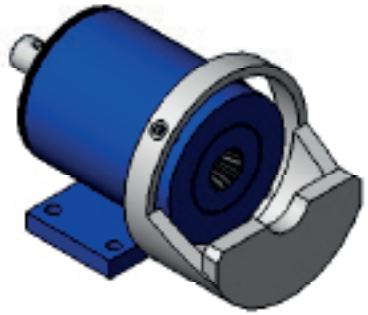
Roll Weight : 16000 N
Available in stroke 100 mm

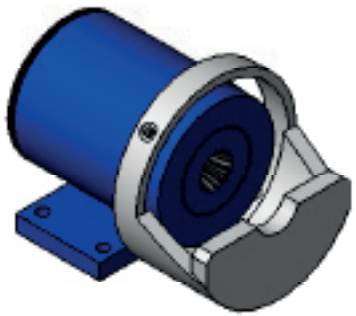
MBC Guttin



SFE/STG

SFE/ST



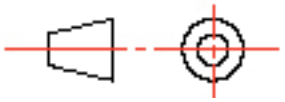


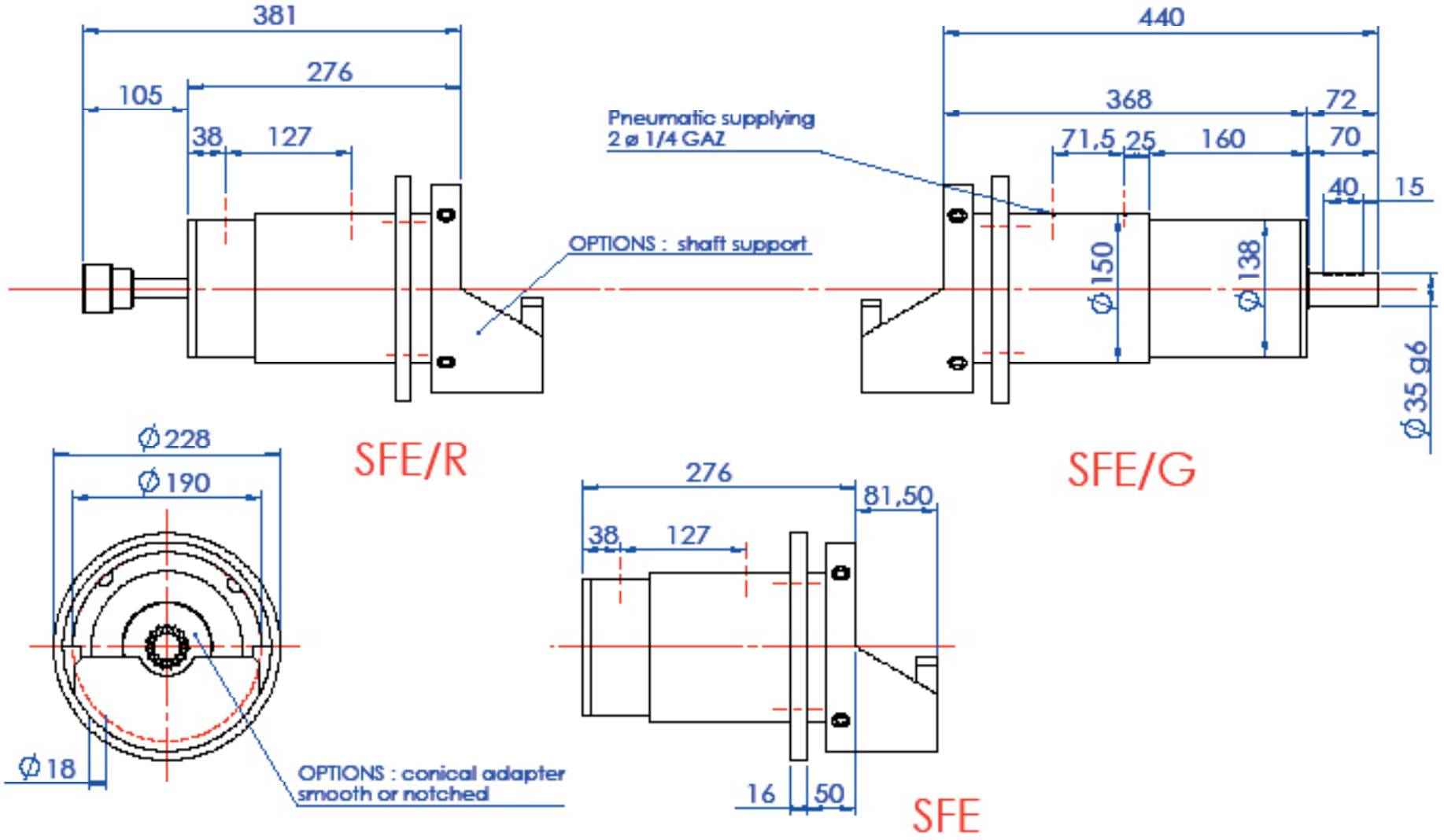
SAFETY CHUCK
Without axial sliding

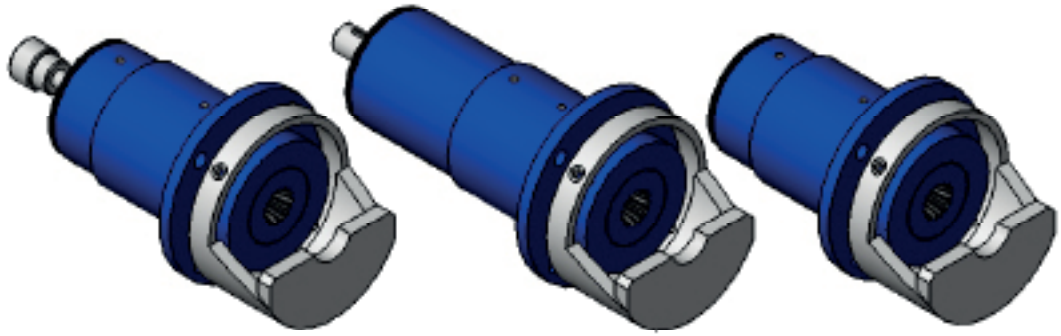
SERIE 2000 30/40

Roll weight : 16 000N

MBC Guttin



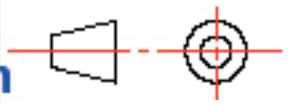




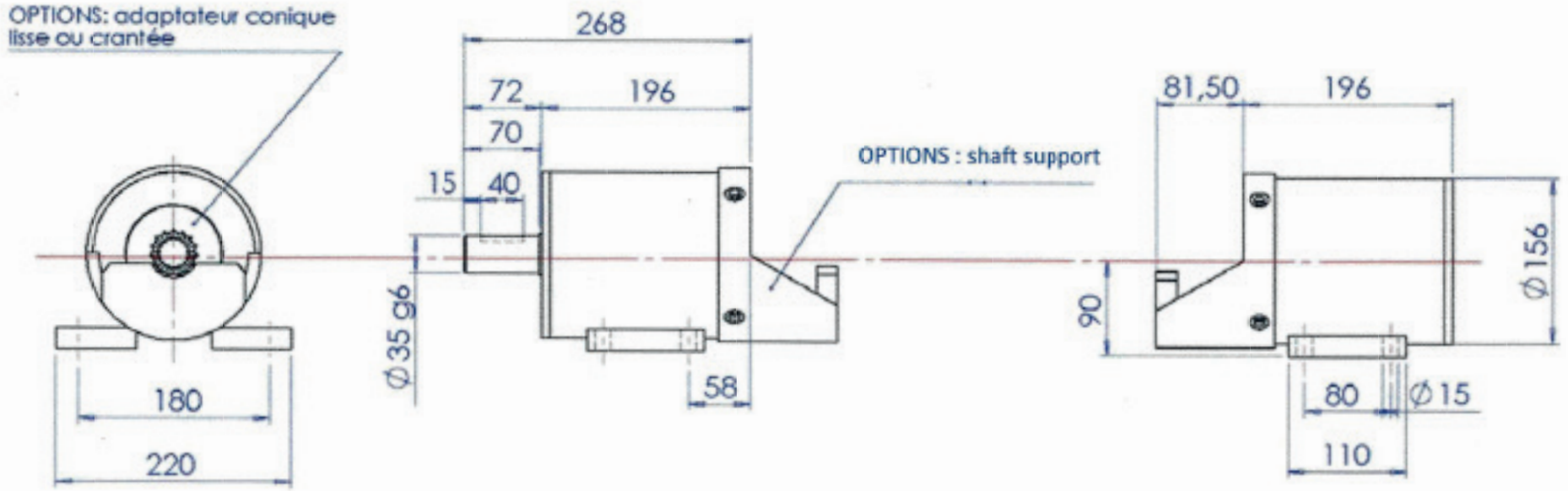
PNEUMATIC SAFETY CHUCK
SERIE 2100 30/40
STROKE 60mm

MBC Guttin

Roll Weight : 16000 N
Available with stroke 100 mm

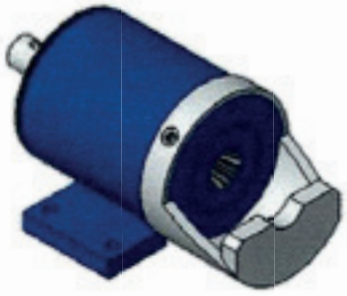


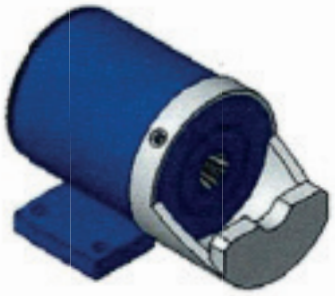
OPTIONS: notched or smoothed
conical adapter



SFE/STG

SFE/ST

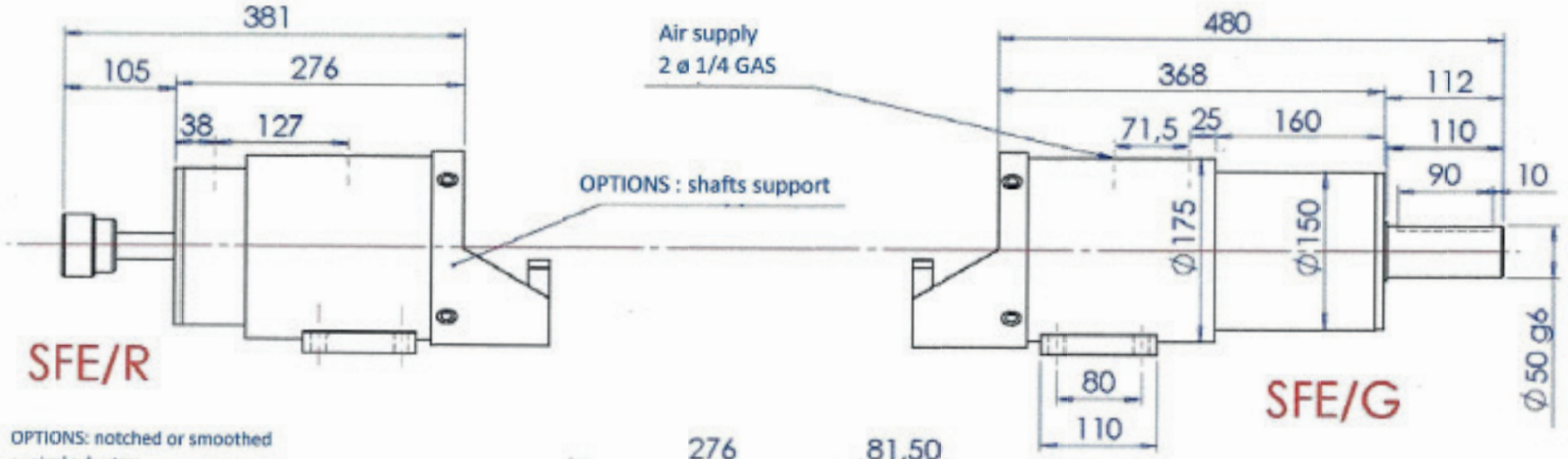


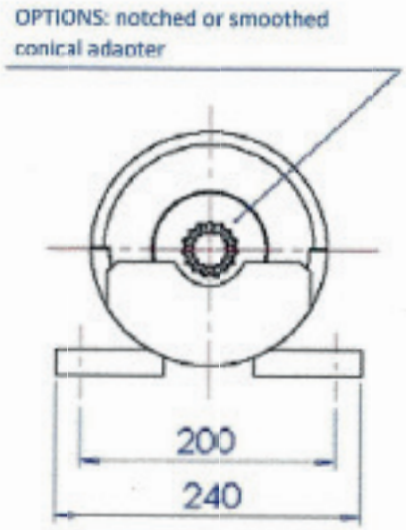


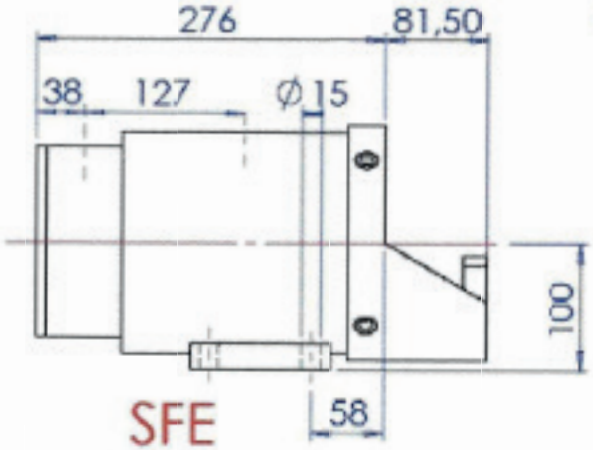
CHUCK WITHOUT AXIAL SLIDING
SERIE 2000 30/40

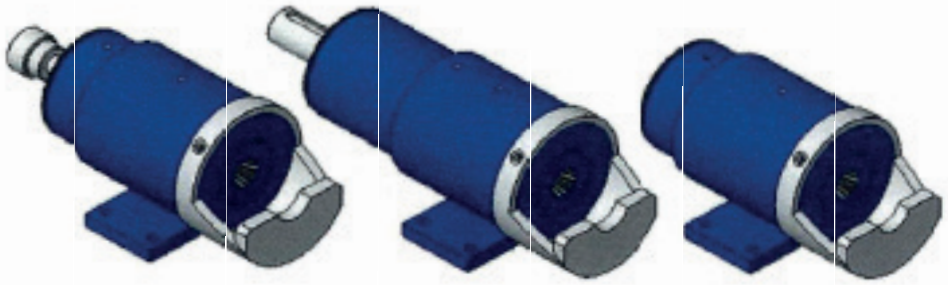
Roll Weight : 16000 N

MBC Guttin





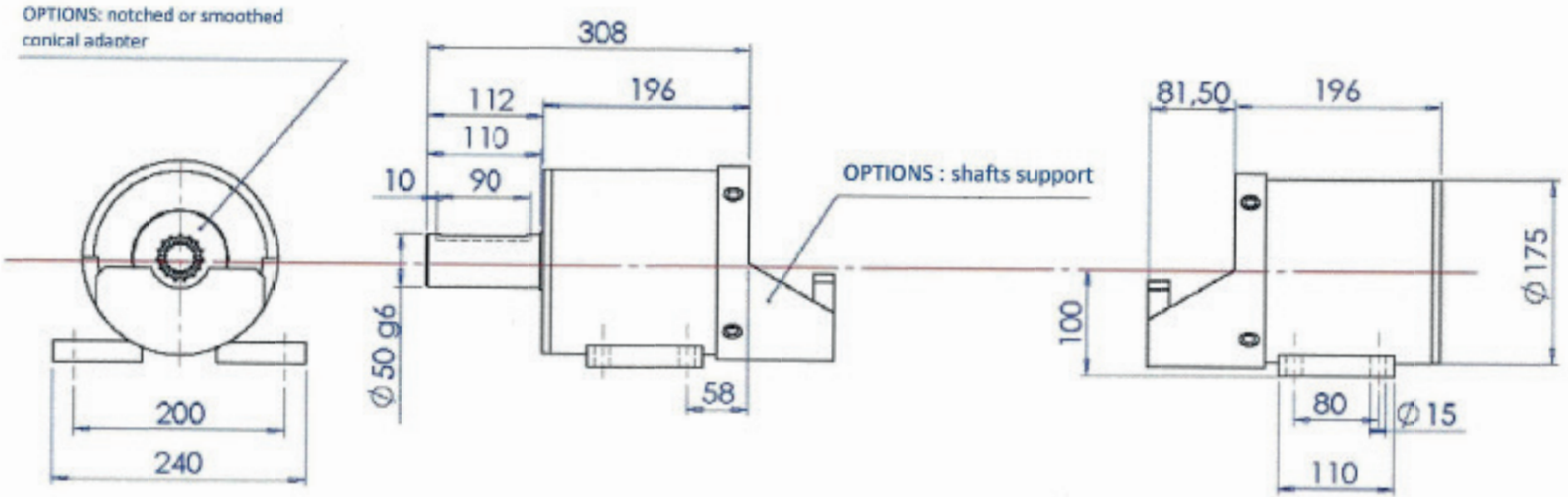


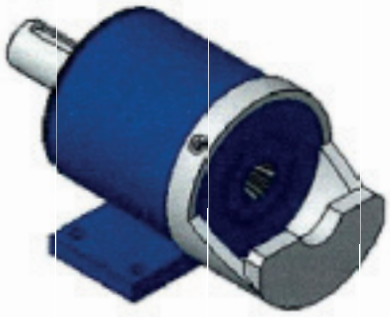


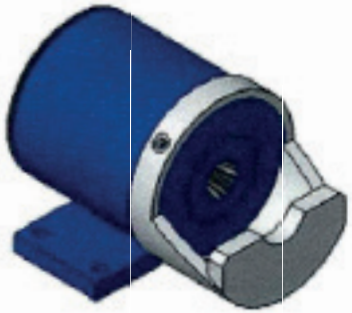
PNEUMATIC CHUCK
SERIE 2000 40/50
STROKE 60 mm

Roll Weight : 28500 N
Available in stroke 100 mm

MBC Guttin



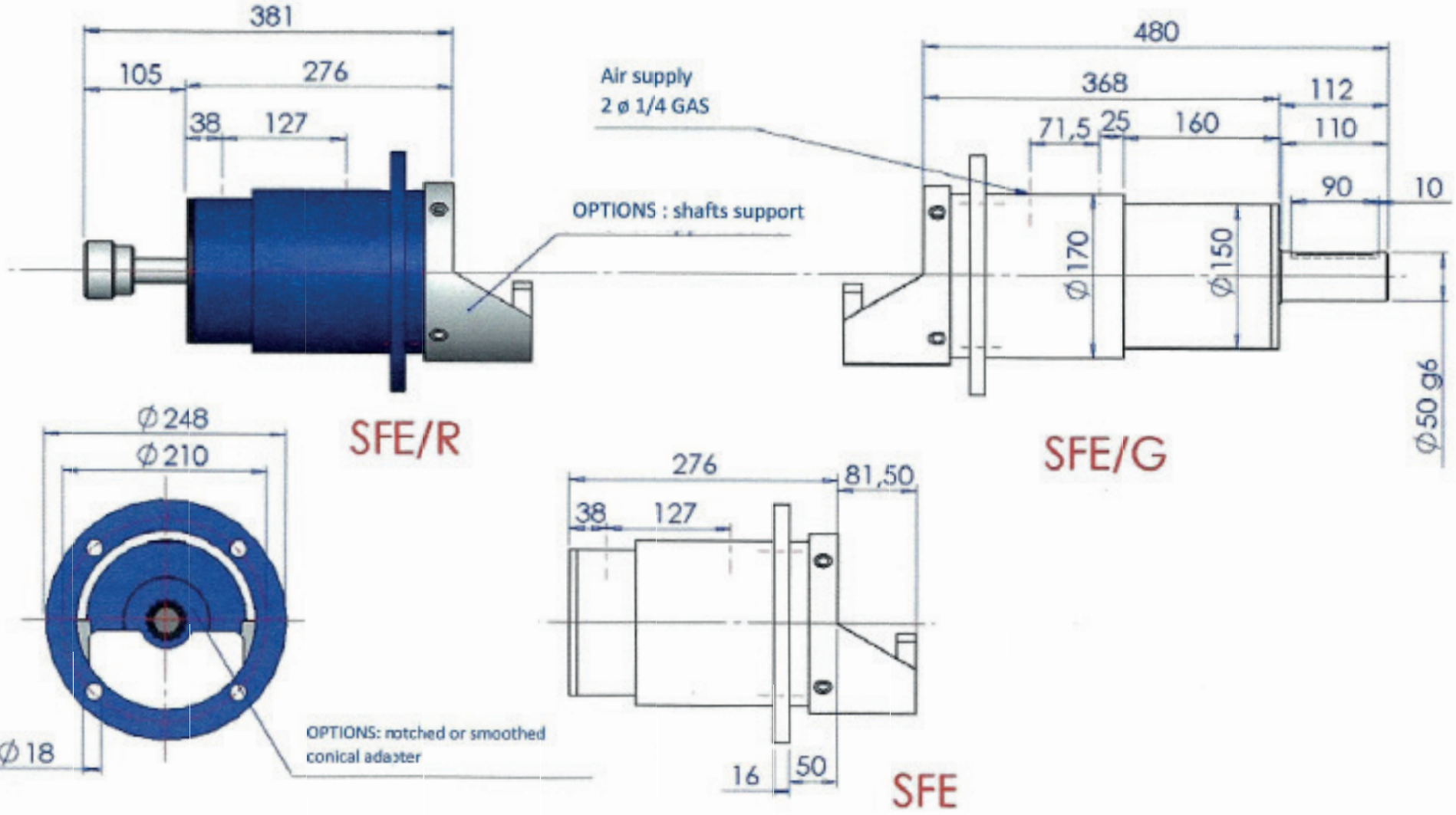


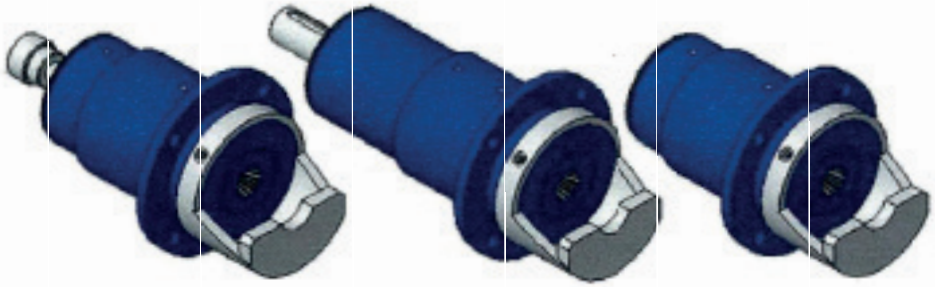


CHUCK WITHOUT AXIAL SLIDING
SERIE 2000 40/50

Roll Weight : 28500 N

MBC Guttin

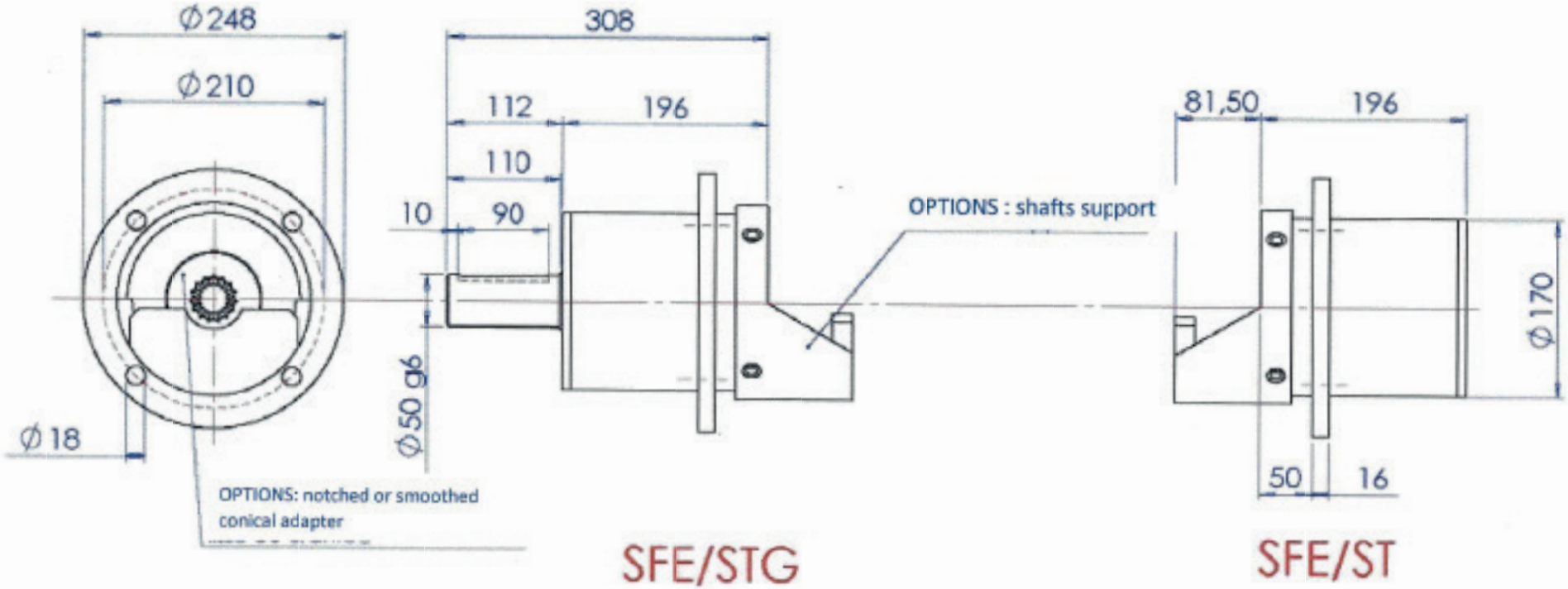


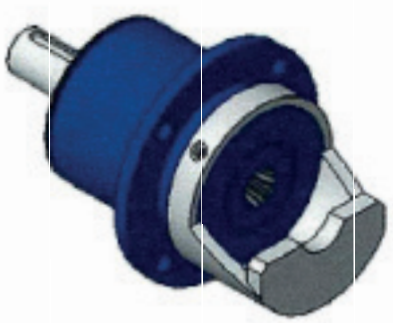


PNEUMATIC CHUCK
SERIE 2100 40/50
STROKE 60 mm

Roll Weight : 28500 N
Available in stroke 100 mm

MBC Guttin

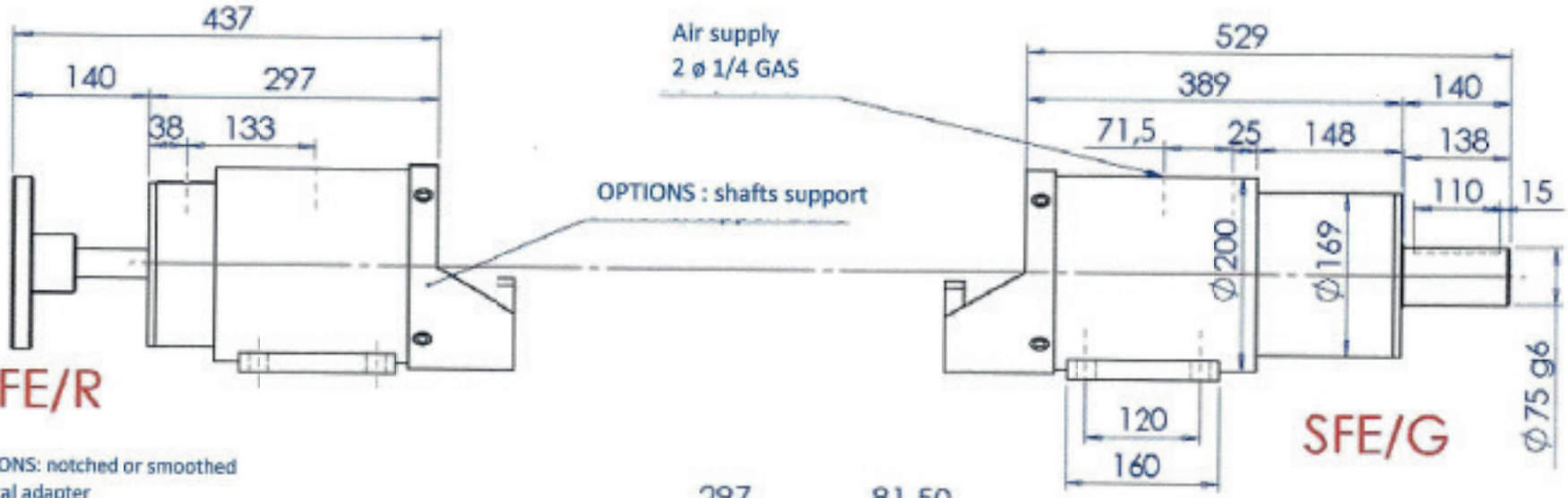


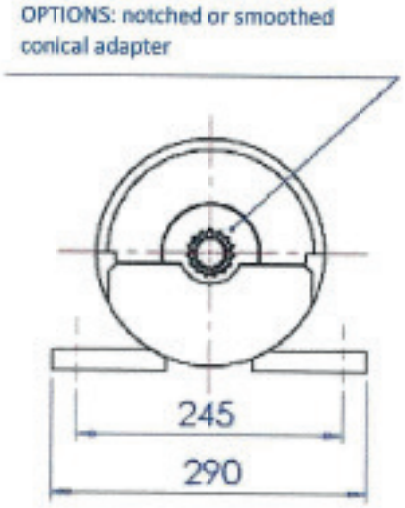


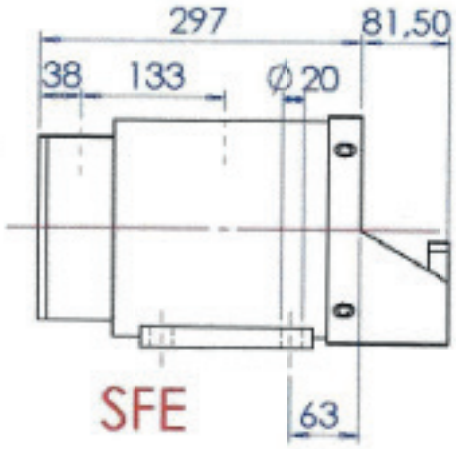
CHUCK WITHOUT AXIAL SLIDING
SERIE 2100 40/50

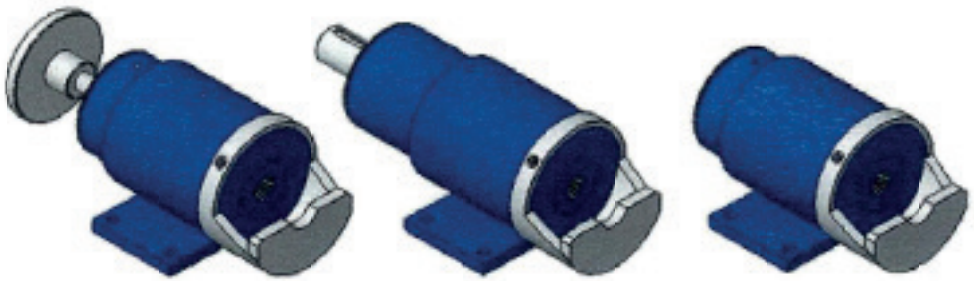
Roll Weight : 28500 N

MBC Guttin





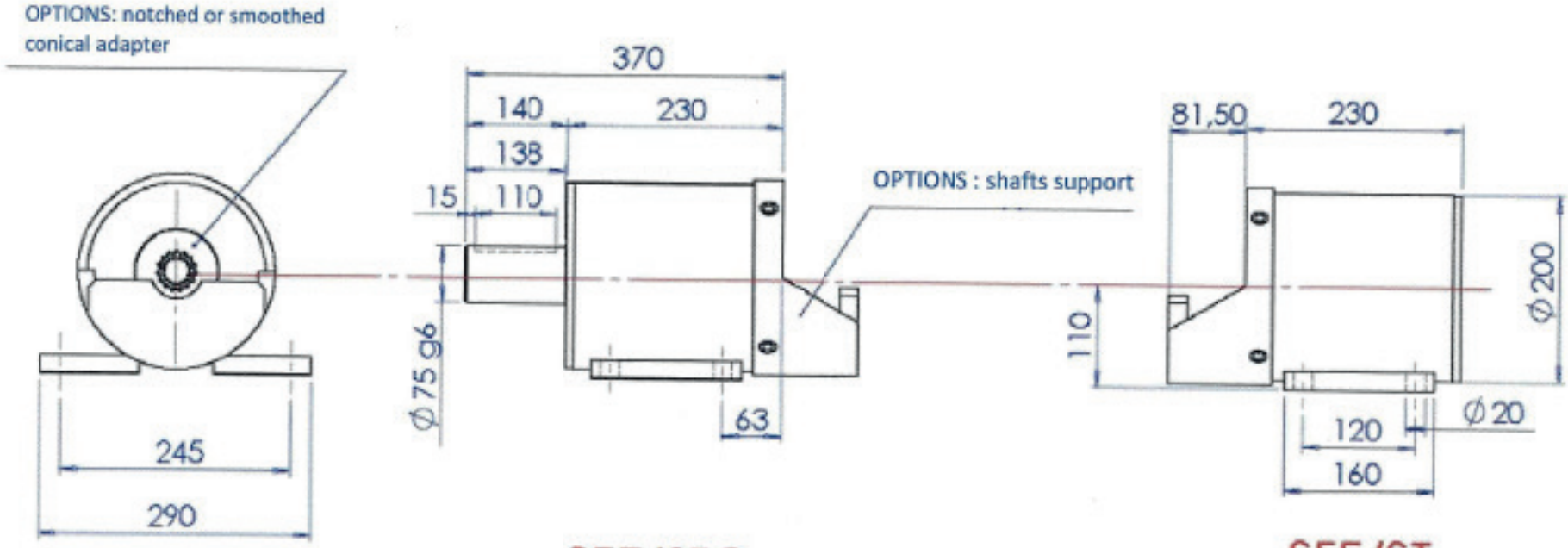


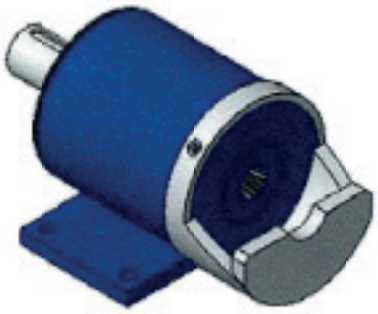


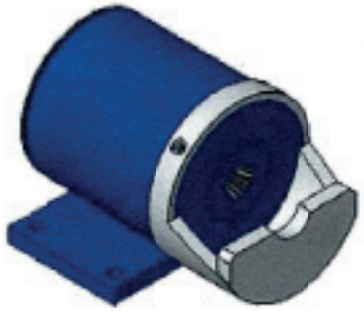
PNEUMATIC CHUCK
SERIE 2000 50/80
STROKE 60 mm

Roll Weight : 72000 N
Available with stroke 100 mm

MBC Guttin



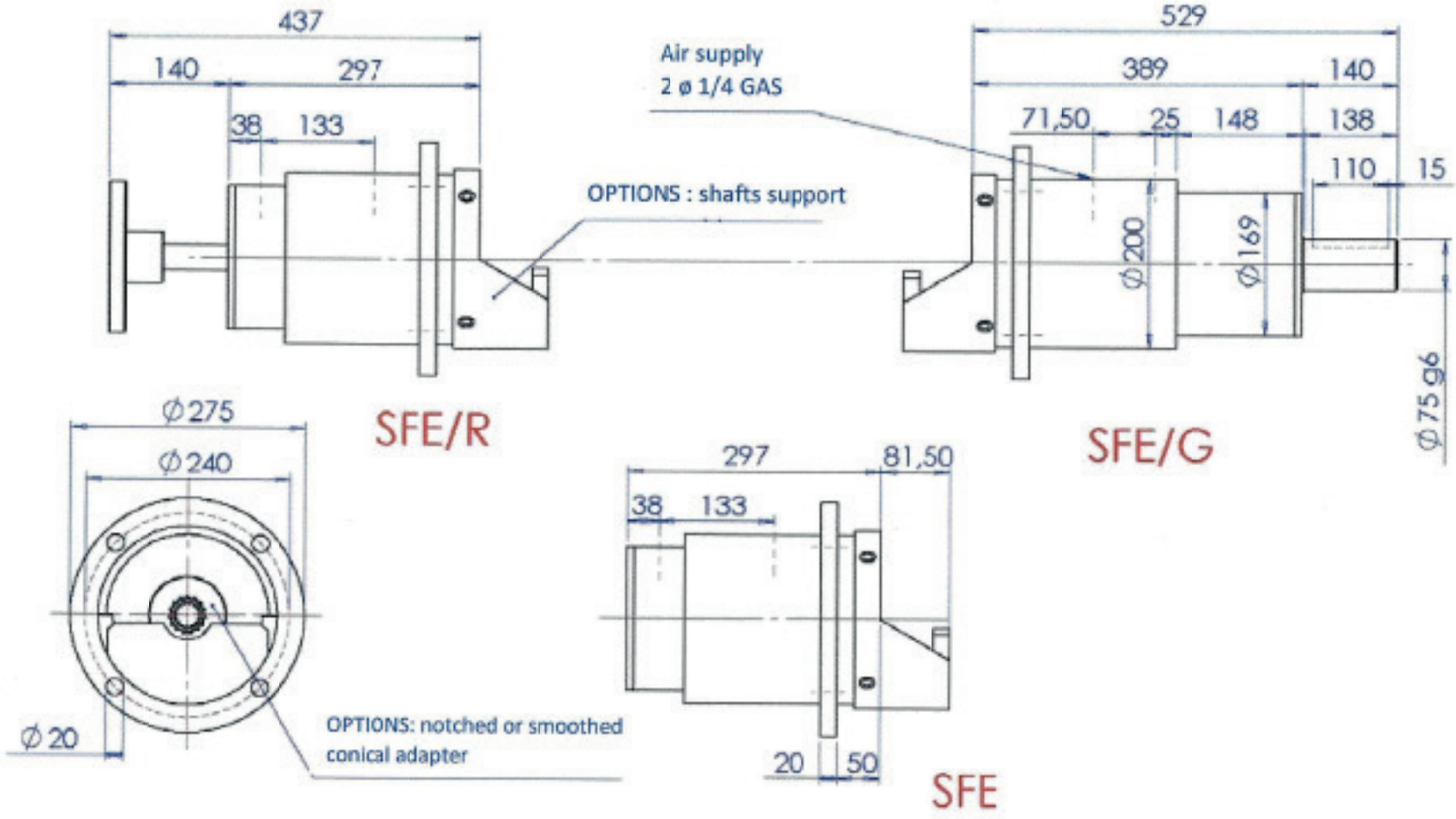




CHUCK WITHOUT AXIAL SLIDING
SERIE 2000 50/80

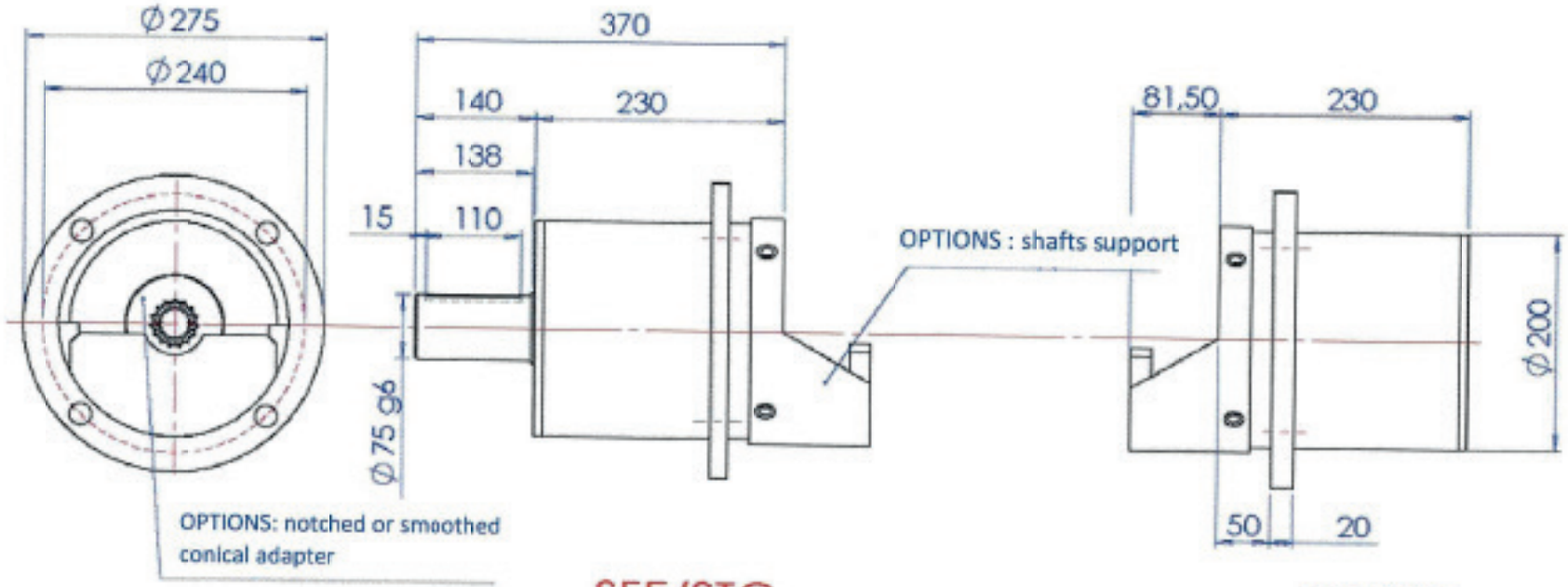
Roll Weight : 72000 N

MBC Guttin



PNEUMATIC CHUCK
SERIE 2100 50/80
STROKE 60 mm
Roll Weight : 72000 N
Available with stroke 100 mm

MBC Guttin

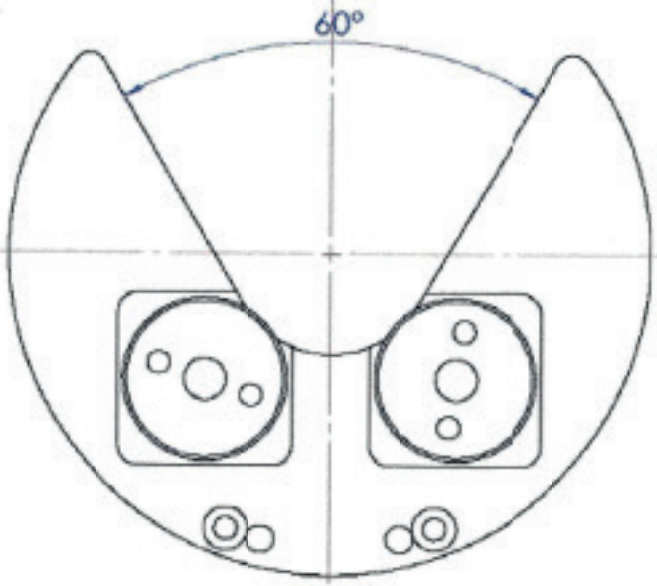


CHUCK WITHOUT AXIAL SLIDING
SERIE 2100 50/80

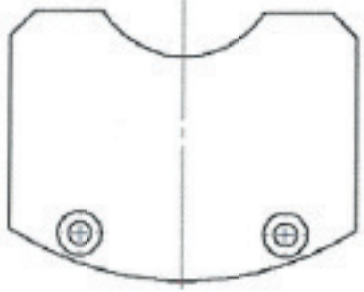
Roll Weight : 72000 N

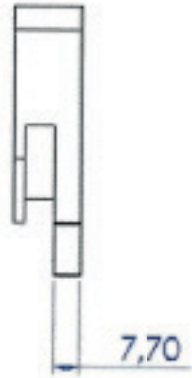
MBC Guttin

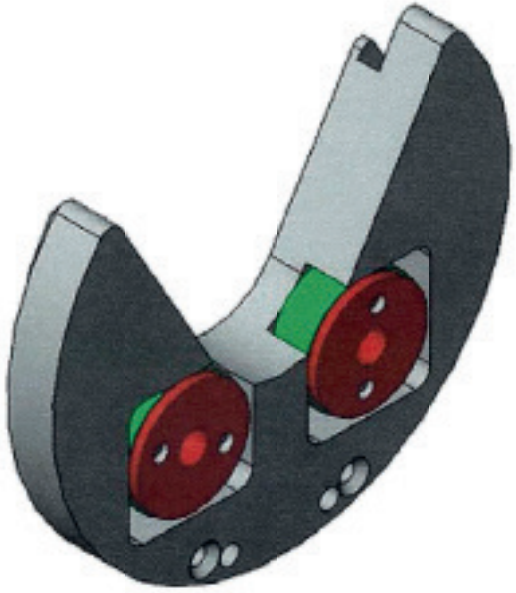
SHAFTSUPPORT TYPE 2

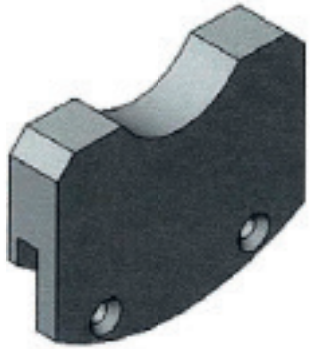


SHAFTSUPPORT TYPE 1



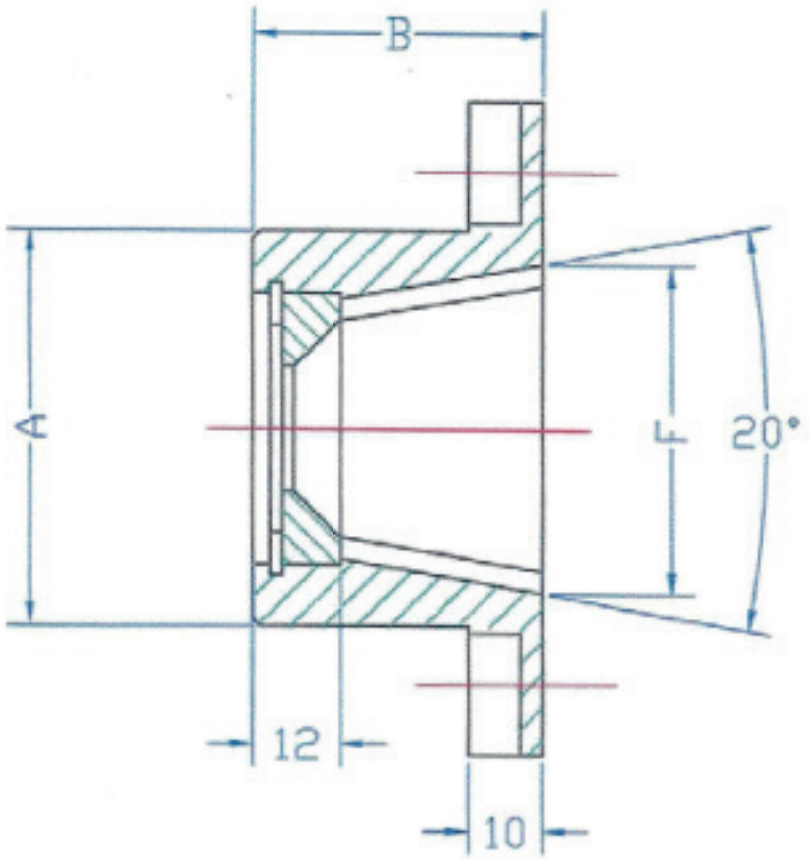


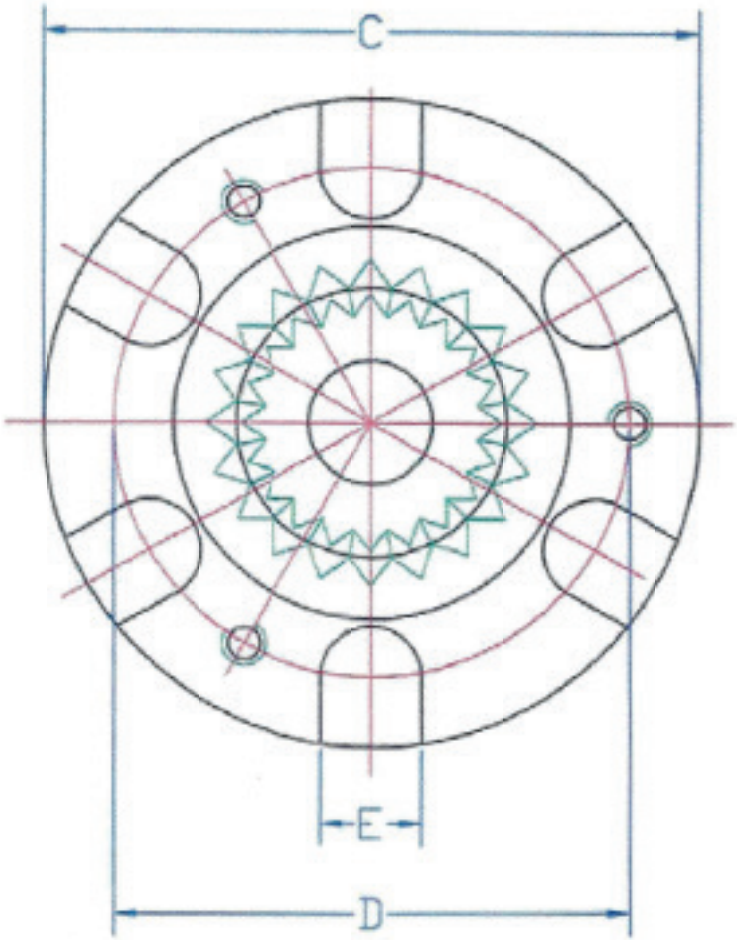




Set : **SHAFTSUPPORT TYPE 1 AND 2 40/50**			
Title :			
Material :	General Tolerances : ISO 2768 mK General Surface condition : 1.6		Nb :
Scale :	This plan is the property of MBC GUTTIN. It can not be reproduced and/or communicated without authorization.	GUTTIN Fabrice	
		Date : 14/12/15	
MBC Guttin		Customer :	Language : Fr

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 ADAPTATER
NOTCHED FEMALE

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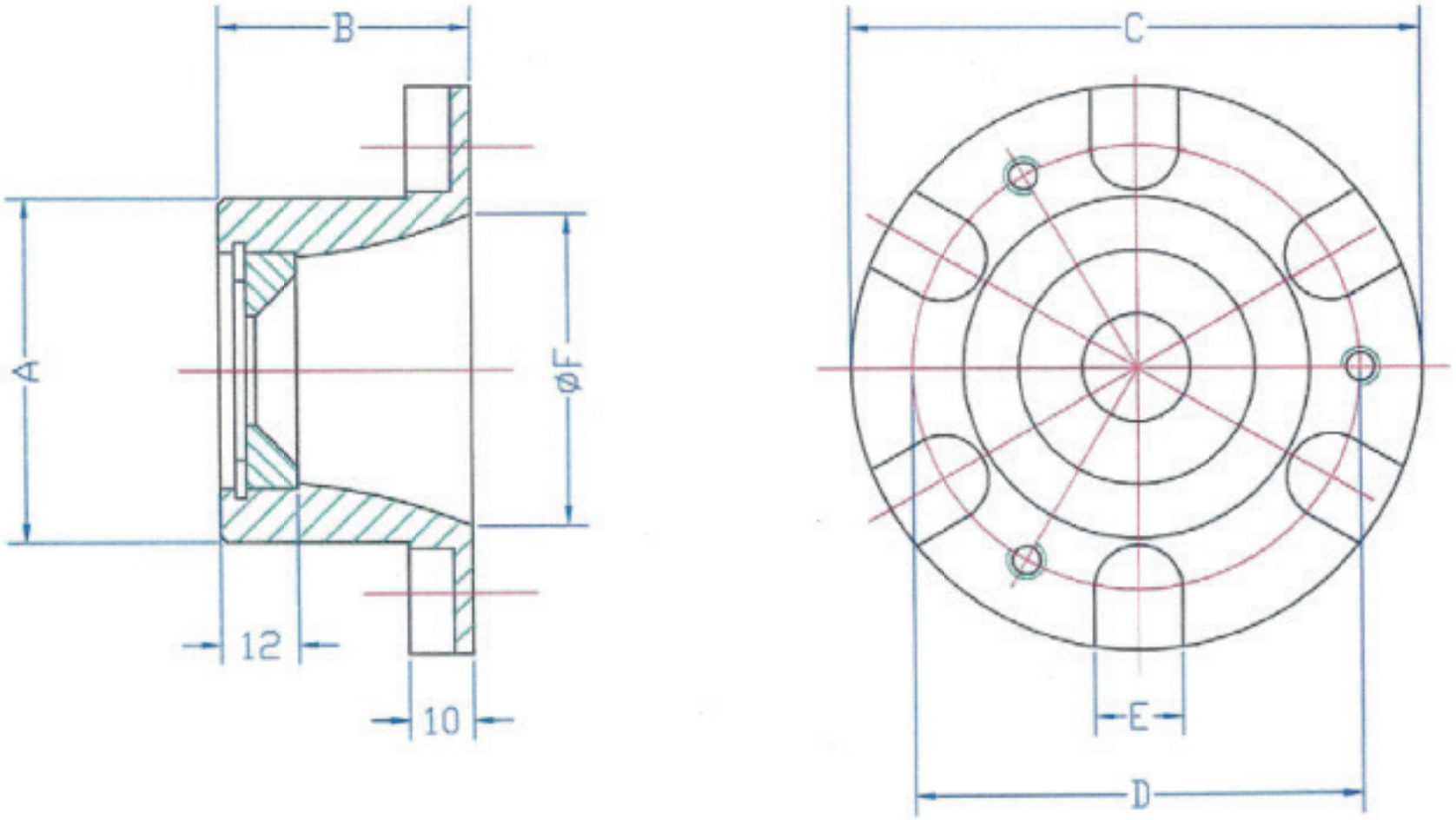
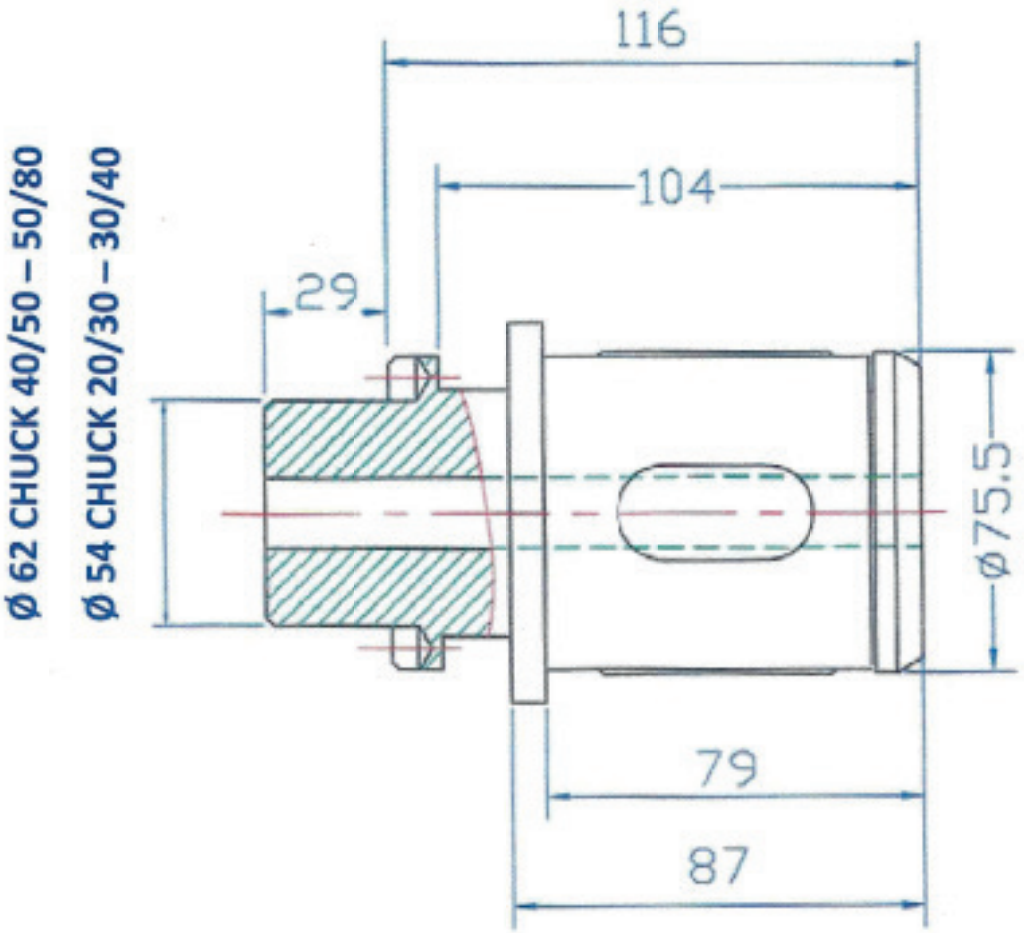


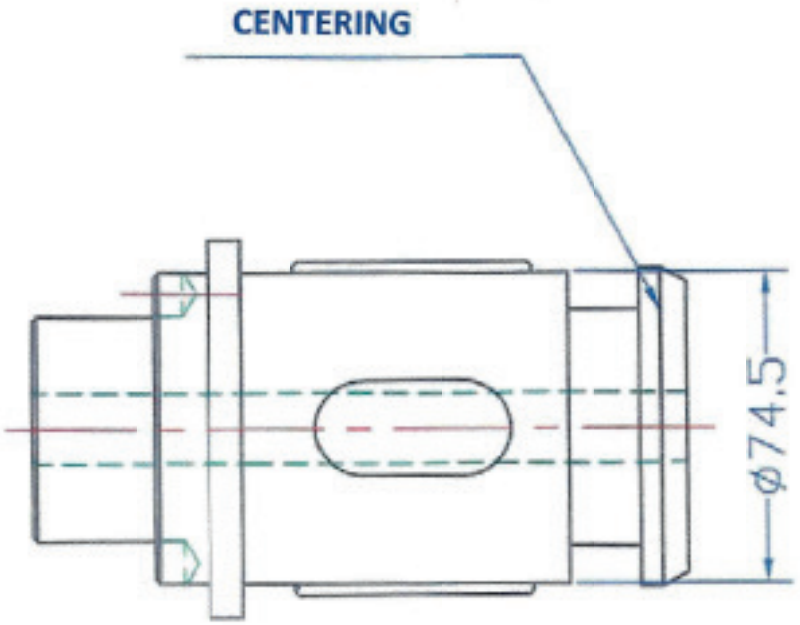
SAFETY CHUCK	20/30	30/40	40/50	50/80
MARK A	Ø 54	Ø 54	Ø 62	Ø 62
MARK B	39	39	39	39
MARK C	Ø 77	Ø 89	Ø 89	Ø 89
MARK D	Ø 65	Ø 70	Ø 76	Ø 80
MARK E	11	14	14	14
MARK F	Ø 49	Ø 49	Ø 59	Ø 59

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

MBC Guttin



REST POSITION

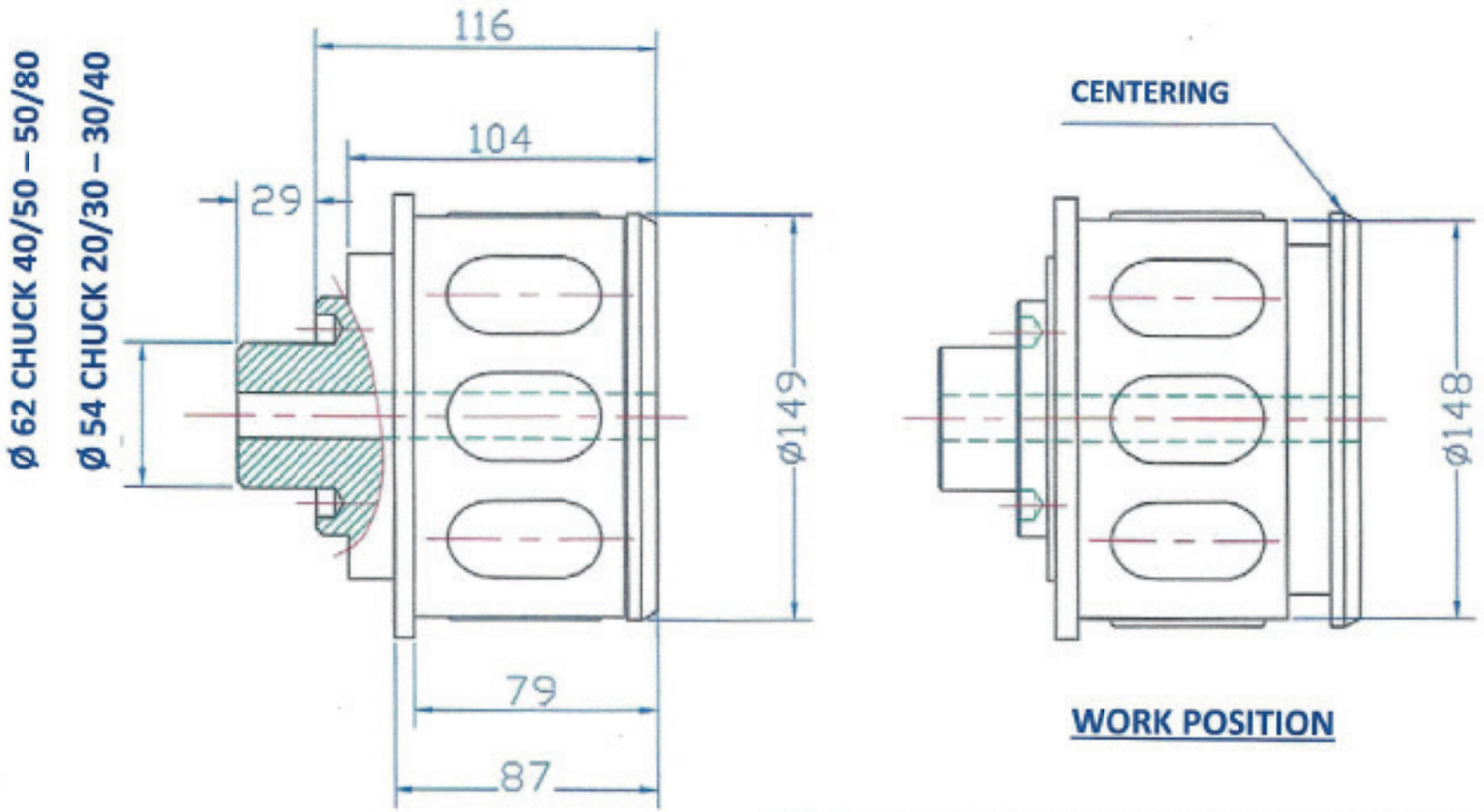


WORK POSITION

Ø MINI MECHANICAL HEAD = ø 68.5

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

MBC Guttin



REST POSITION

WORK POSITION

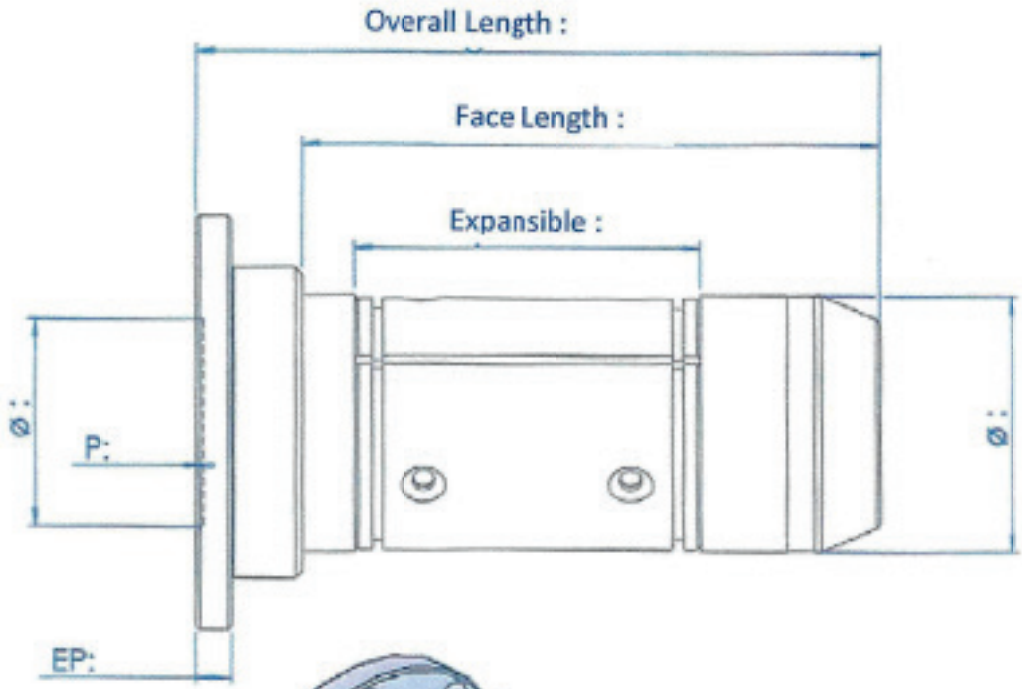
CHUCK SERIE 2000/2100

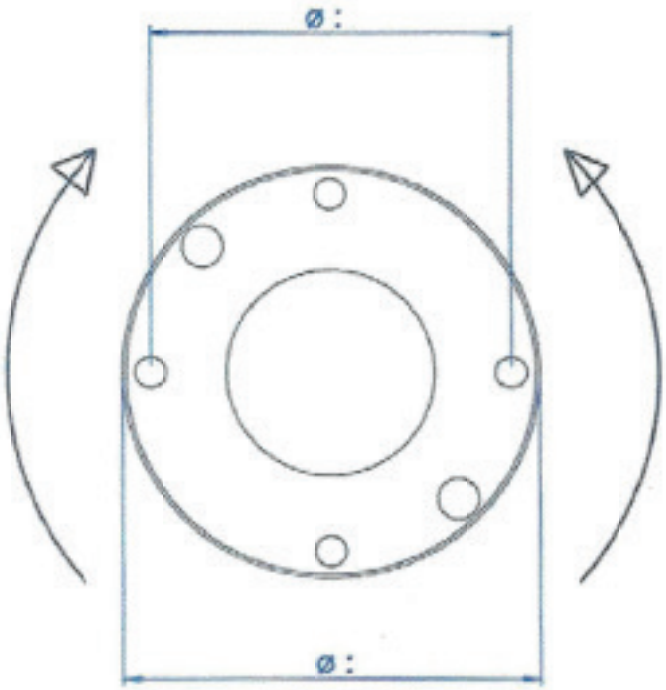
TYPE 20/30-30/40-40/50-50/80

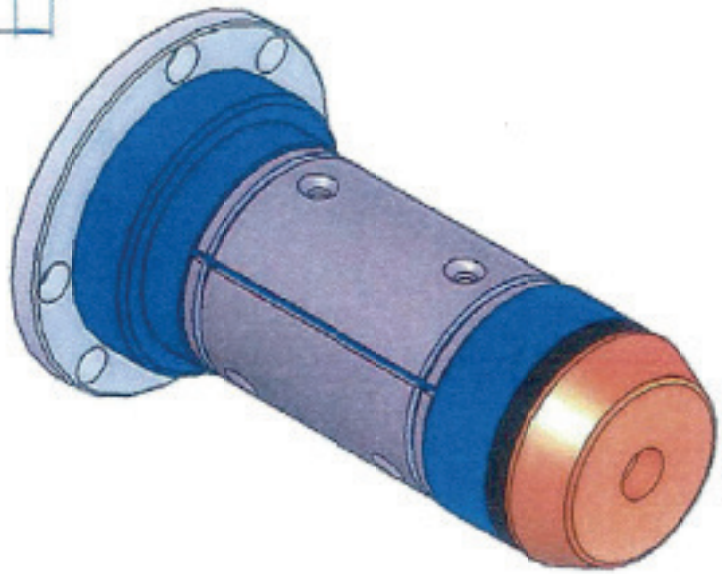
MECHANICAL HEAD WITH

AXIAL PUSH AND CENTERING PART

MBC Guttin





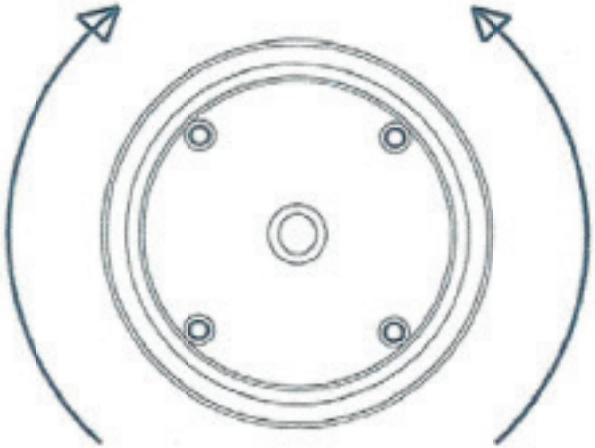


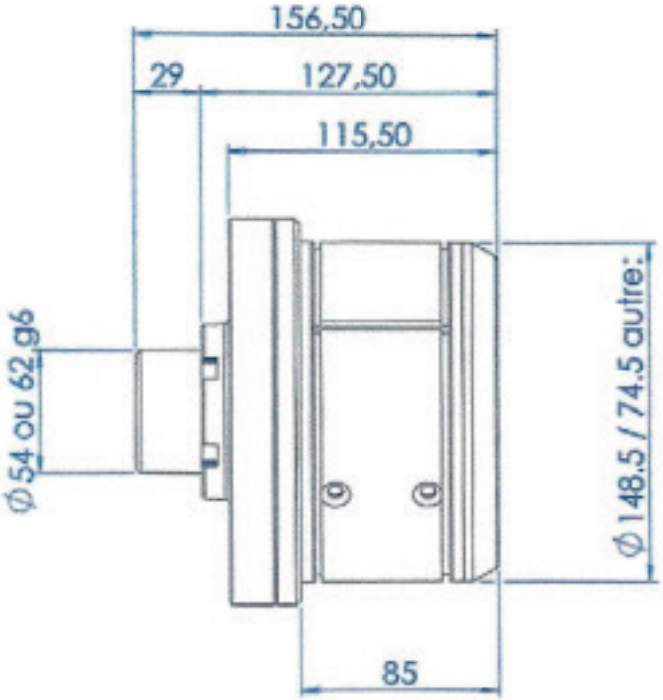
HEAD EXPANSION BY TORQUE

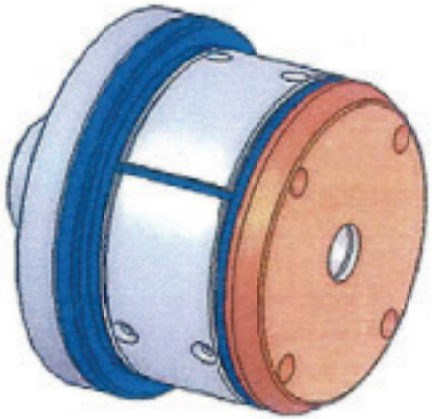
Double winding direction

MBC Guttin

Winding direction



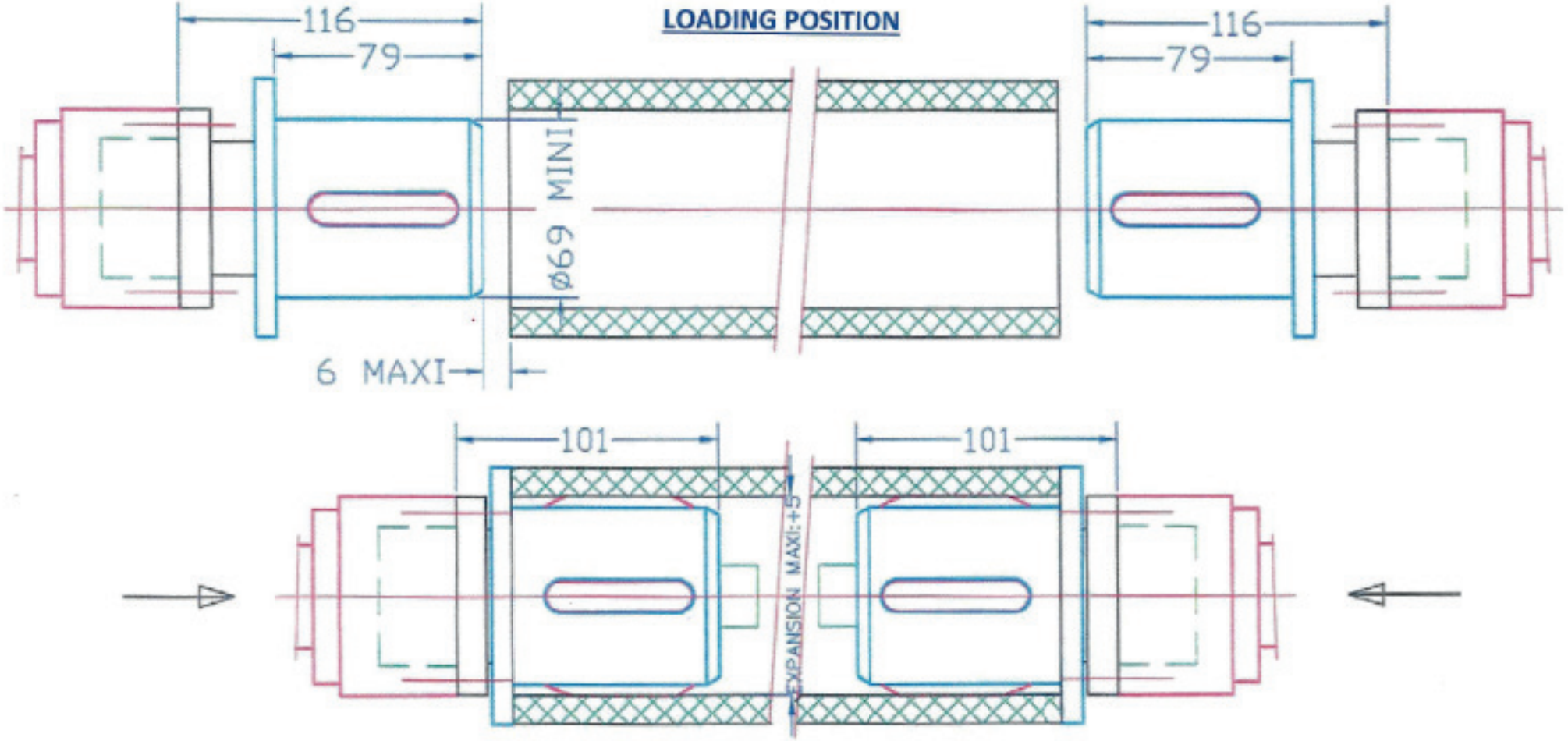




SAFETY CHUCKS Serie 2000 / 2100

Head – expansion by torque

MBC Guttin



WITH SAFETY CHUCKS STROKE 100

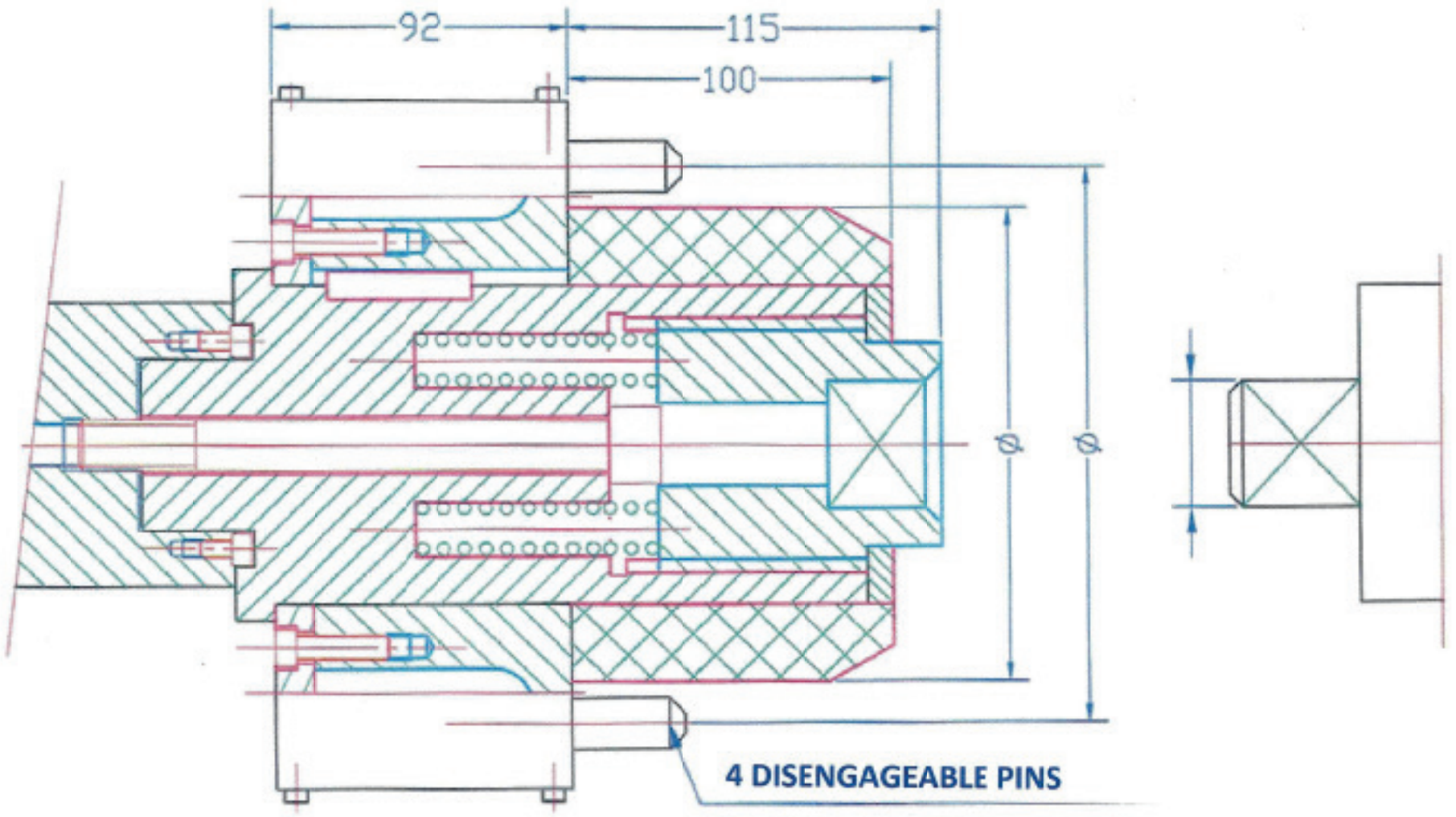
SAFETY CHUCK SERIE 2000/2100

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 DRIVING

CENTRING BY CORE REAMING

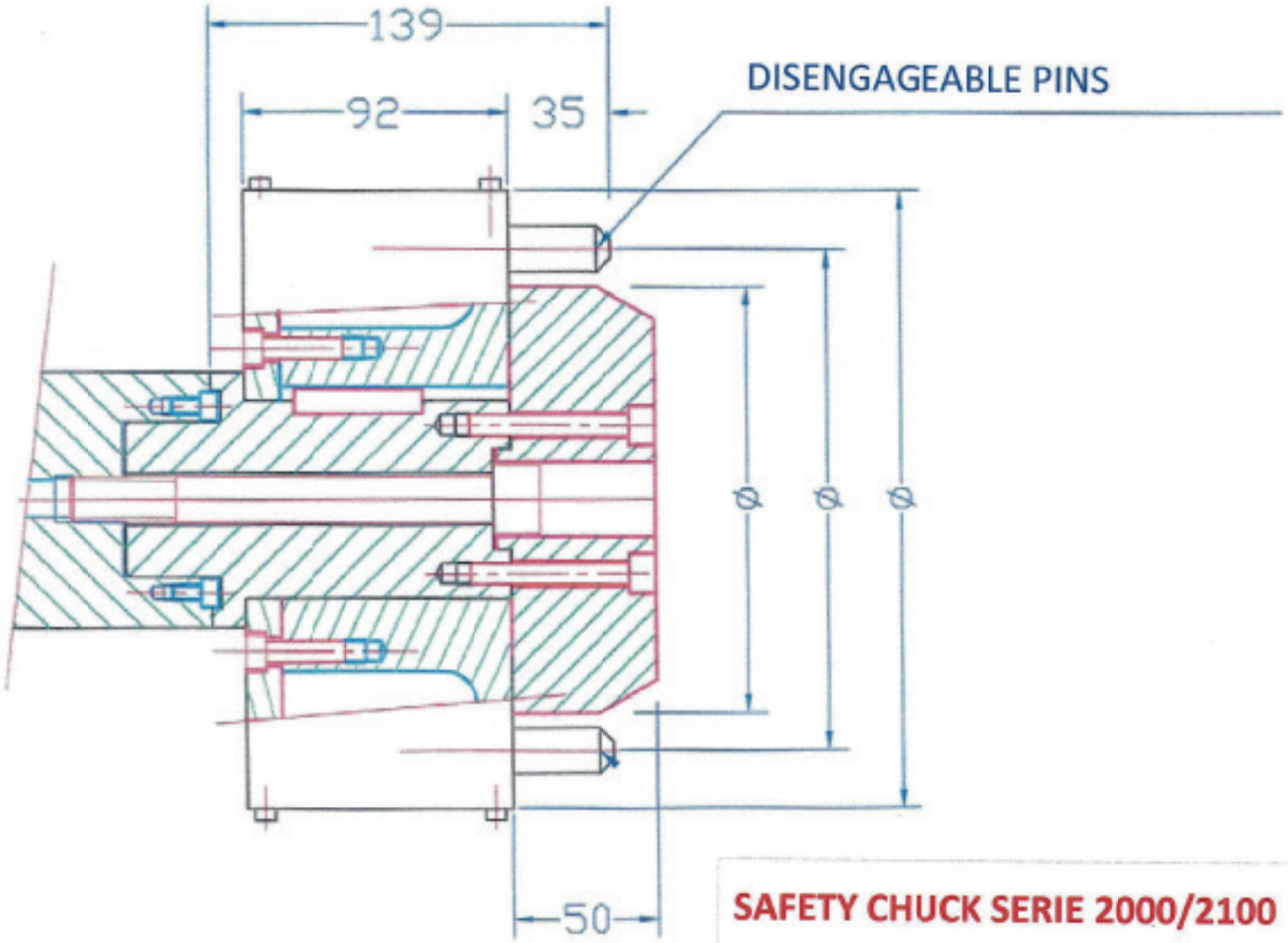
SAFETY CHUCK SERIE 2000/2100

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

MIXED DRIVING HEAD WITH PINS

FOR HIGH TORQUES

MBC Guttin



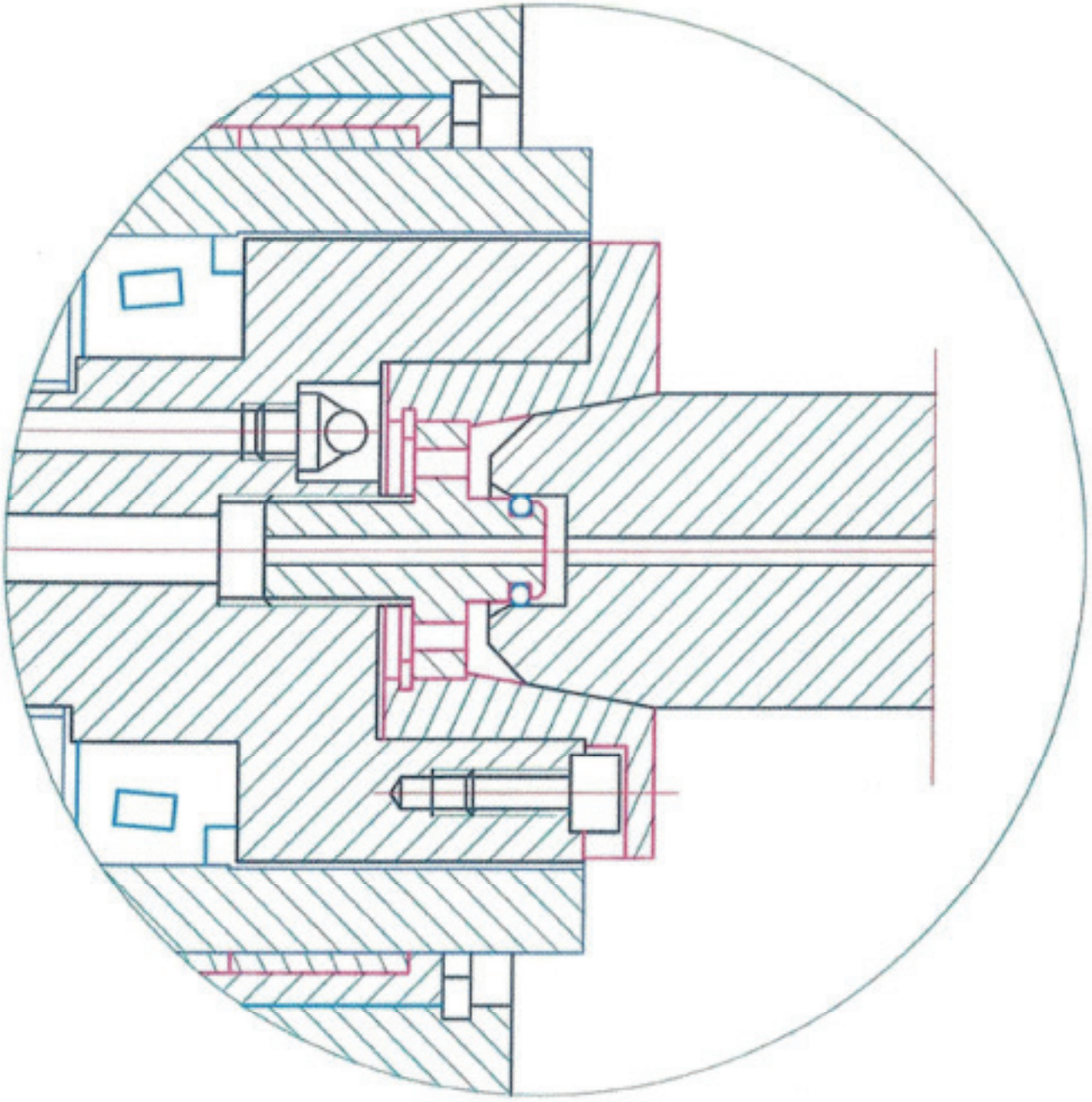
SAFETY CHUCK SERIE 2000/2100

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

DRIVING HEAD WITH PINS

FOR HIGH TORQUES

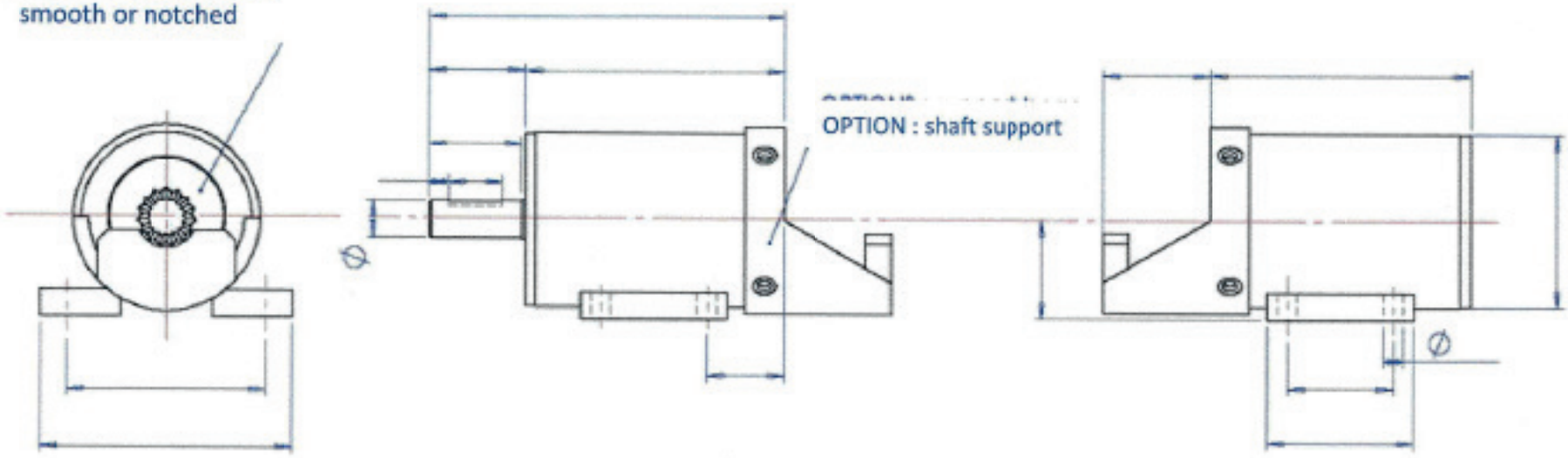
MBC Guttin



Designation : CHUCK WITH AXIAL INFLATION CHUCK 30/40 SFE 2000/2100		MBC Guttin
	DATE : 26/11/99	Material	N° : 300200

Drawings for measurement taking

OPTIONS : conical adapter
smooth or notched



SFE/STG

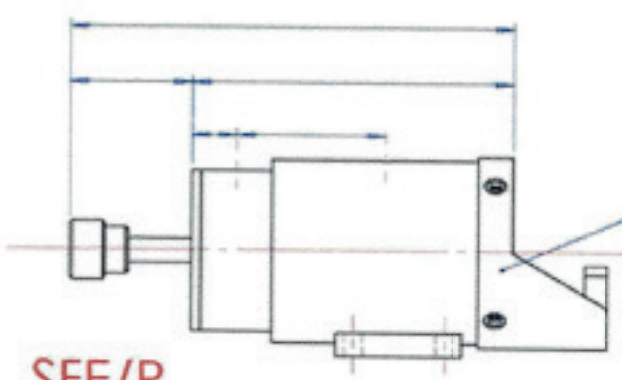
SFE/ST

SAFETY CHUCK WITHOUT SLIDING

SERIE

ROLLWEIGHT : N

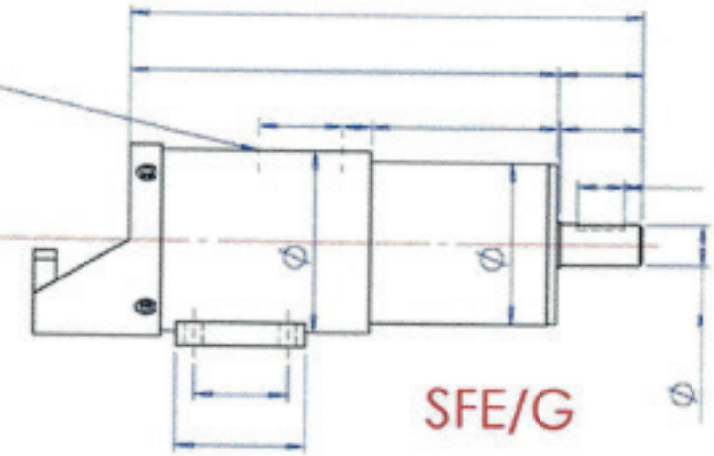
MBC Guttin



SFE/R

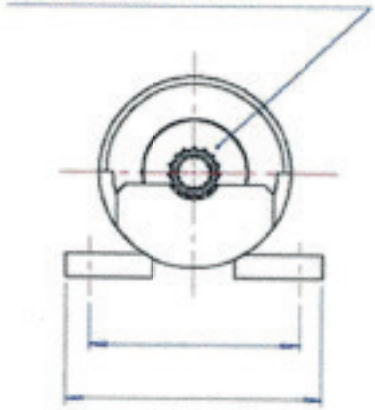
Air supplying
Ø Gas

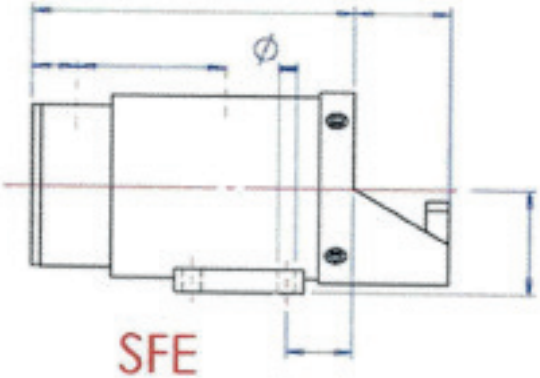
OPTIONS : shaft support



SFE/G

OPTIONS : conical adapter
smoothed or notched



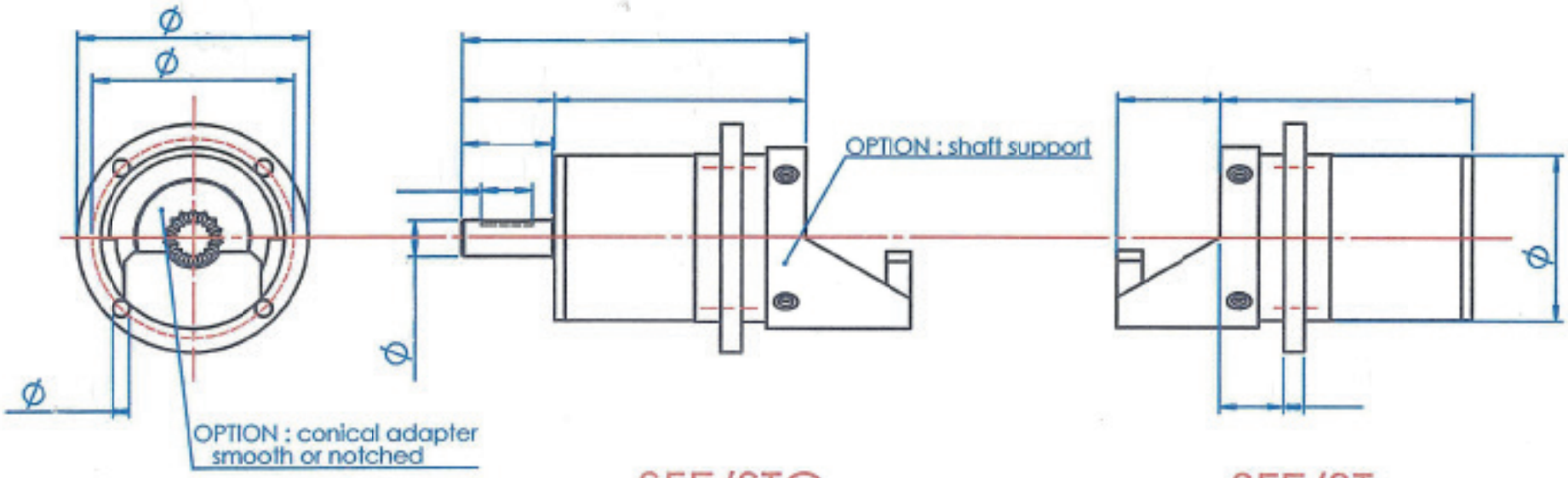


SFE

PNEUMATIC SAFETY CHUCK
SERIE
STROKE **mm**

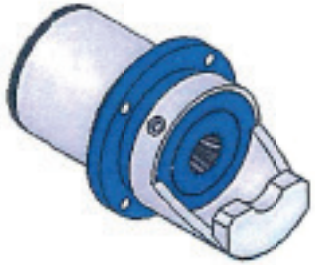
ROLLWEIGHT : N

MBC Guttin



SFE/STG

SFE/ST

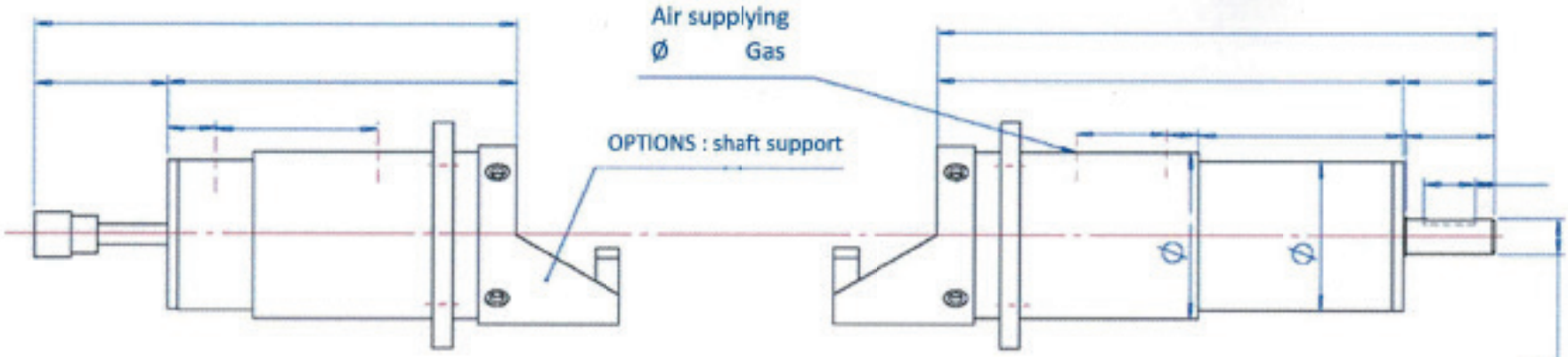


SAFETY CHUCK - non Translatory

SERIE

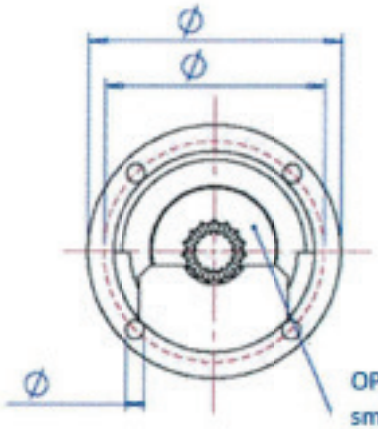
Rollweight : N

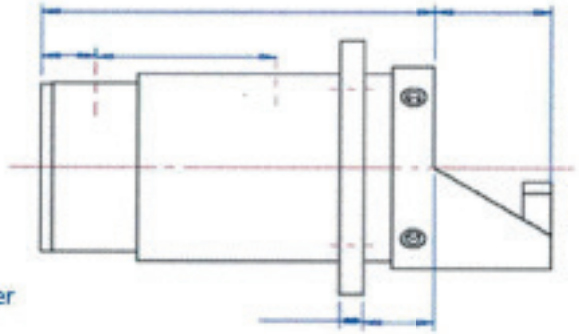
MBC Guttin



SFE/R

SFE/G





SFE

PNEUMATIC SAFETY CHUCK
SERIE
STROKE

ROLLWEIGHT : N

MBC Guttin

NOTES

IV. Expandable Materials

Expandable Shafts

The expandable bars, also called «expandable airshafts» allow to come to marry the inside of your core to exercise winding and unwinding activities of your rolls.

Manufacturer, MBC provides you expandable airshafts of from 1" (25,4 mm) to 35" (900 mm) diameter and up to 9 m lenght.

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

Lighweight : MBC Guttin thinks of your users !

Search of ligthness of our shafts, development of new materials.
Development of an aluminium reinforced for more lightness

Solidity

Protection of the spare bladder kit by a «double skin»
Exclusive patent of MBC Guttin

An Easy Maintenance

when changing the bladder kit (shaft with lugs)

The lugs don't fall due to our double skin !
You gain almost 45 min. in changing your bladder kit
Exclusive patent of MBC Guttin

Products made in France

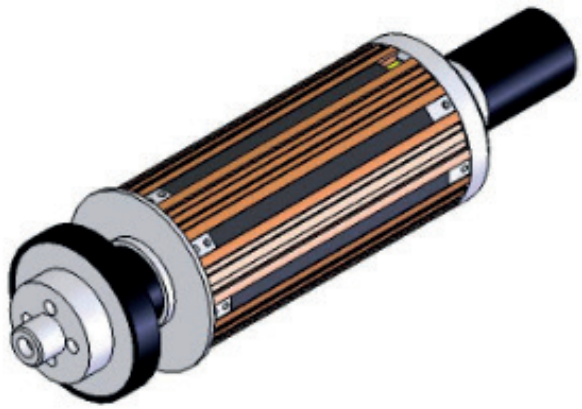
A French know-how that has been proven for 30 years
Products that can be tailored to your needs
A design office at your disposal

MBC Guttin gives you a feasability study
for all your requests
Contact us: + 33 (0) 4 76 32 07 82
Fax us all your requests : + 33 (0) 4 76 32 29 56
Or send us an email to the address:
mbc@guttin.com

Create your expandable airshaft MBC GUTTIN !

Choose your type of shaft :

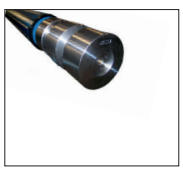
☐ with continuous fillets ☐ with lugs



Choose your Materials :
(Dimension, weight, use, lenght of the web, fastening, speed, type of activity)

With continuous fillets

☐ Aluminuim ☐ Steel



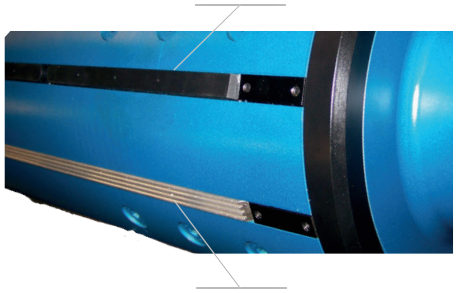
With lugs

☐ Carbon ☐ Aluminuim ☐ Aluminuim Reinforced ☐ 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,
Length100 mm

☐ Lugs with diamond tip,
Length 50 mm

☐ Aluminium lugs,
Length 50 mm

☐ Rubber lugs,
Length 50 mm

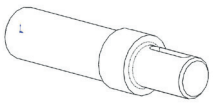
Choose your type of Inflation/Deflation :

☐ Bowl Valve 

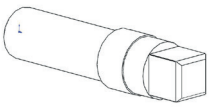
☐ Shell Valve 

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

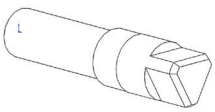
Creation of your Airshaft



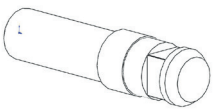
☐ Type STD



☐ Type A



☐ Type B



☐ Type AVPU

Others projects possible on request

Tailored made

Let us know what you need !

MBC Guttin is listening you to find together the solution most adapted to your needs.

More Informations :

Expandable Material

Airshaft with continuous fillets

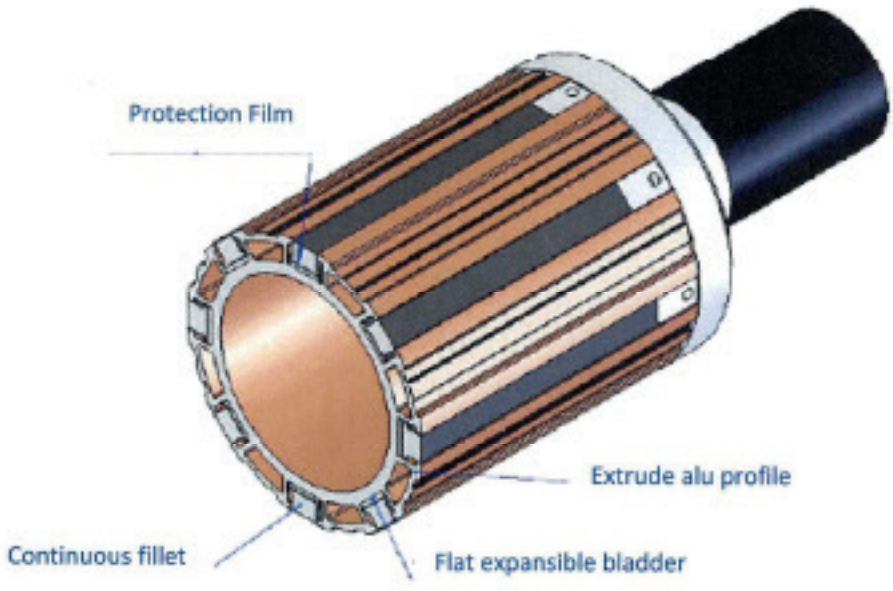
Advantages

+ Simplified insertion
+ Lightweight
+ Fast Maintenance

Preferred solutions for any web width. position ideally your roll 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 :

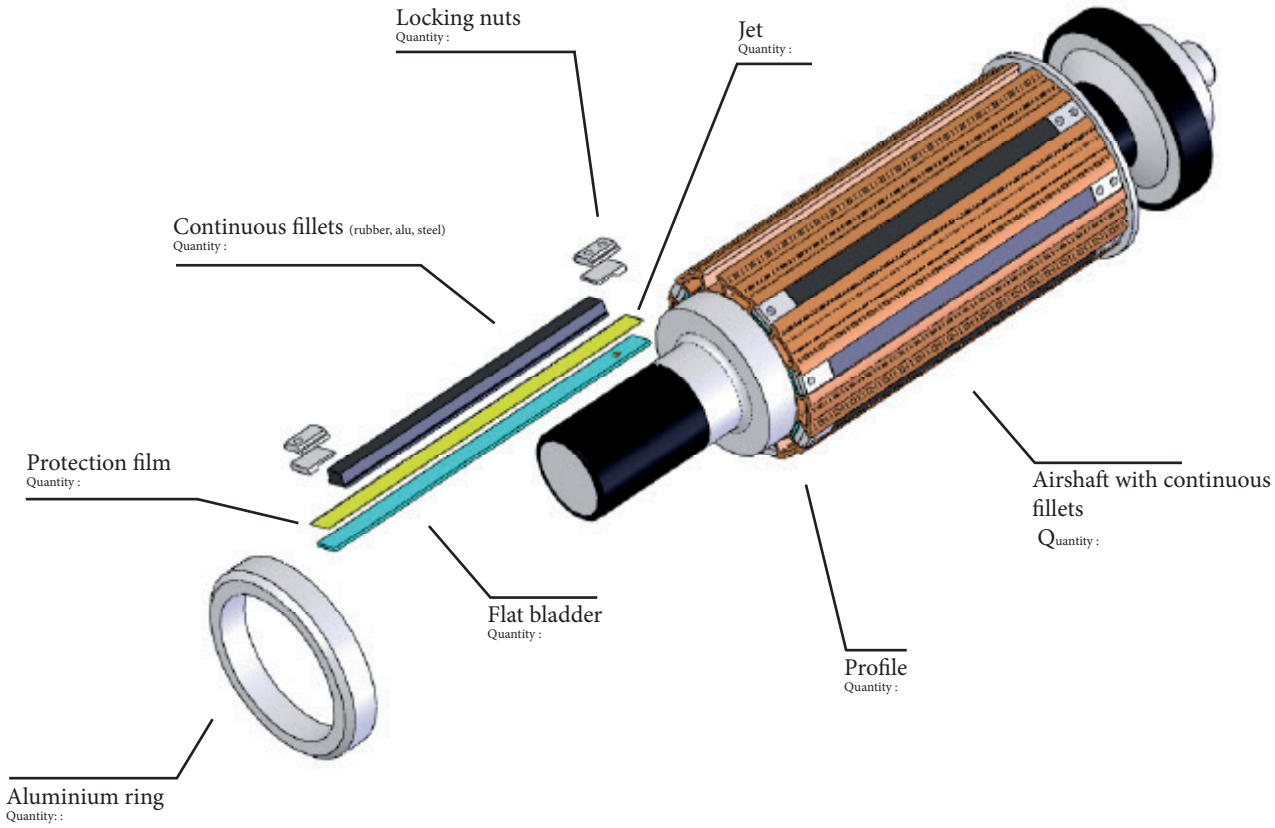
- Aluminium, Steel design
- Expansion with aluminium, steel, rubber continuous fillets
- Length of continuous fillets : the full length or segmented
- Insertion ball for facilitate the insertion of the core
- Choice of the end shaft



Composition of the airshaft MBC Guttin,

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

Expandable Airshaft

Airshaft with Lugs

Advantages

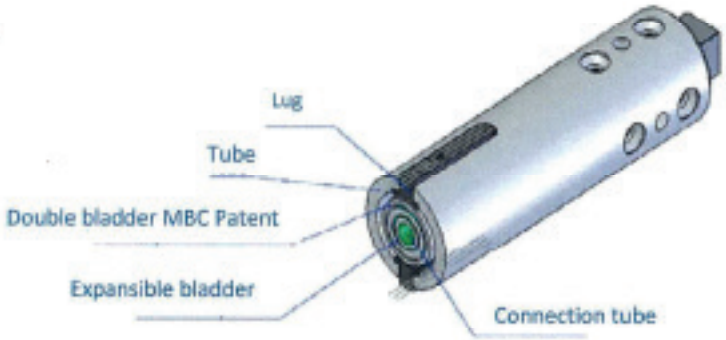
+ Reinforced holding of the core
+ High Tension
+ Easy Maintenance
+ Carbon and reinforced aluminium Manufacturing
+ MBC Patent

Preferred solution for the roll with high load and/or a high tension. The lugs excercise a multi-point force on the core. Each lugs come to marry and block the core by avoiding slippage problems during tensioning. Appreciated for its stiffness, his load capacity and his high resistance, the airshaft with lugs is available in three materials : aluminium, steel or carbon.

It is then possible to combine resistance 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



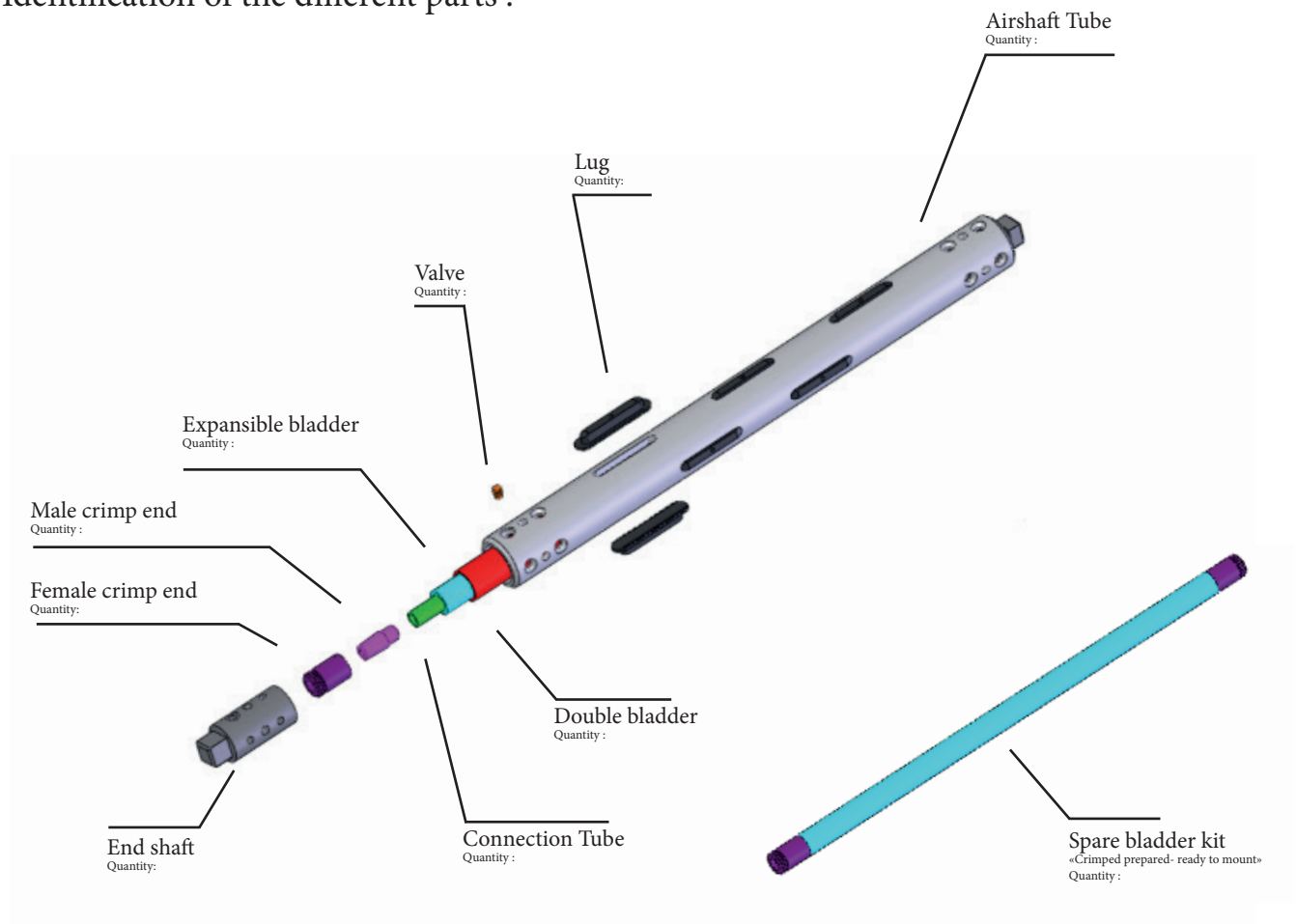
MBC Guttin Patent :

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 hold your lugs 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,
Length100 mm

Rubber lugs,
Length 100 mm

☐ Bowl Valve

Lugs diamond tip,
Length 50 mm

Aluminium lugs,
Length 50 mm

Rubber lugs,
Length 50 mm

☐ Shell Valve

Airshaft Identification :

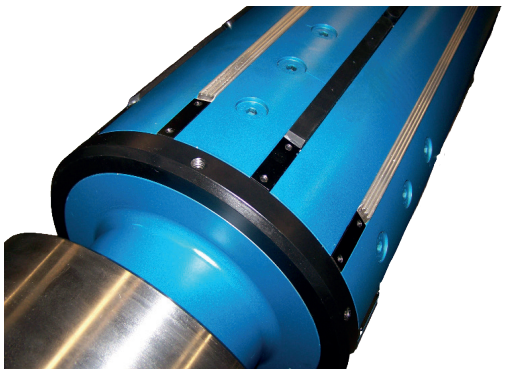
An airshaft number is punched under the sticker MBC Guttin glued to the airshaft.
It can also be visible on the edge of the airshaft.

Expandable Material

Papermaking Airshaft

Advantages

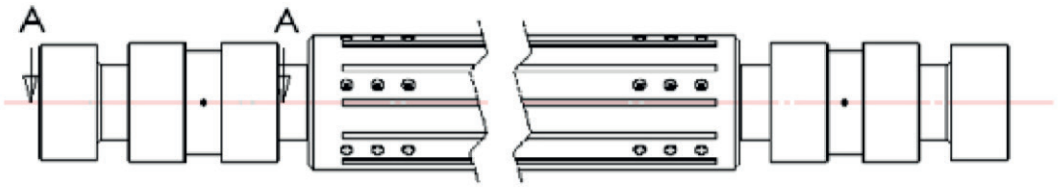
+ Locking and centering continuous fillets
+ Static balancing of the tube
+ Bearing case conical bearing
+ Speed max. 1750 m/ min
+ Up to 15 tonnes

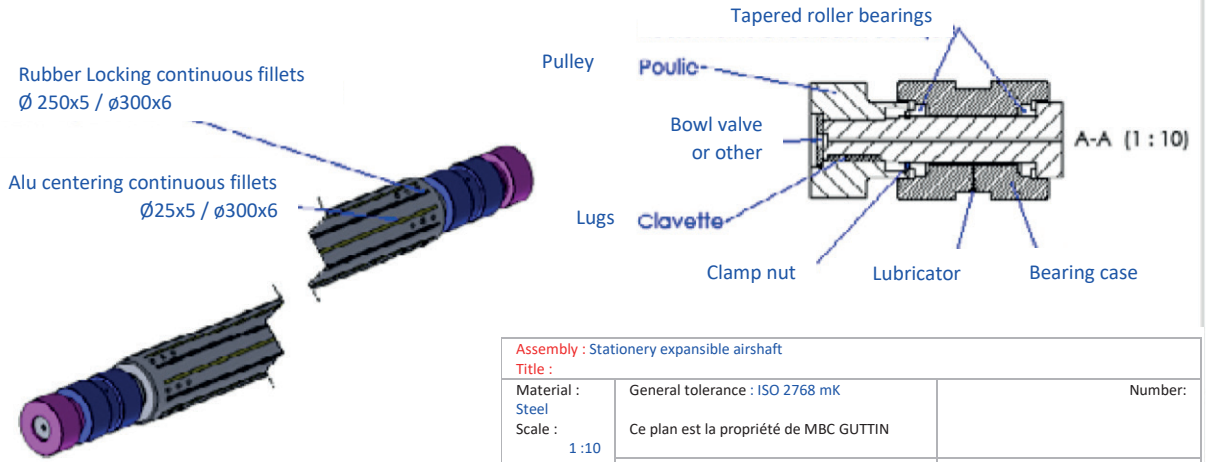


Special designed for the Paper Industry, this airshaft meets extreme conditions of use. Able to support loads and speeds specifics to paper machines.

Type of options :

To define with our design office





Airshaft with static balancing speed up to 1750m/mn

Assembly : Stationery expansible airshaft Title :			
Material : Steel Scale : 1 :10	General tolerance : ISO 2768 mK Ce plan est la propriété de MBC GUTTIN	Number:	
	This document belongs to MBC GUTTIN. It can not be reproduced and/or transmitted without authorization.	GUTTIN Fabrice Date :	
	MBC *Guttin*	Customer:	Language : Fr

Expandable Material

Advantages

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

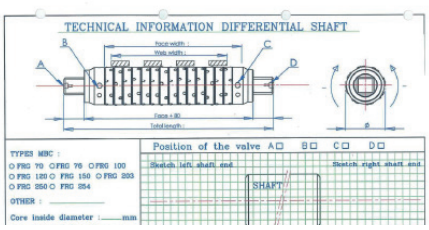
The expansible pins permit a cantilevered work. Like expandable airshafts you can find them with continuous fillets or lugs expansion.

Type of options :

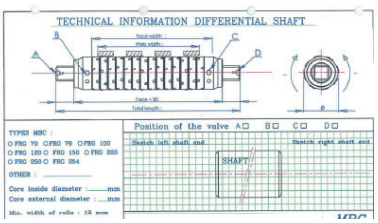
- Steel, aluminium, reinforced aluminium
- Expansion with aluminium, steel, rubber continuous fillets or lugs
- Choice of the type of coupling (flange, axle, ou bearing case)
- Bowl or shell Valve
- Scale

Variants :

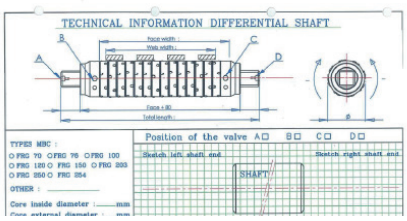
Cantilevered expandable shaft



Cantilevered expandable shaft + bearing case



Cantilevered expandable airshaft + bearing case + brake

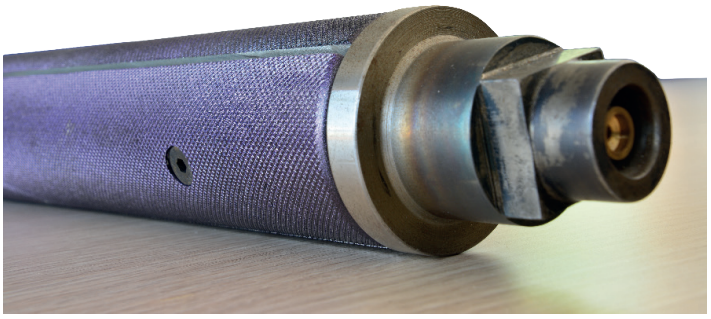


Expandable Material

Shells shaft

Advantages

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

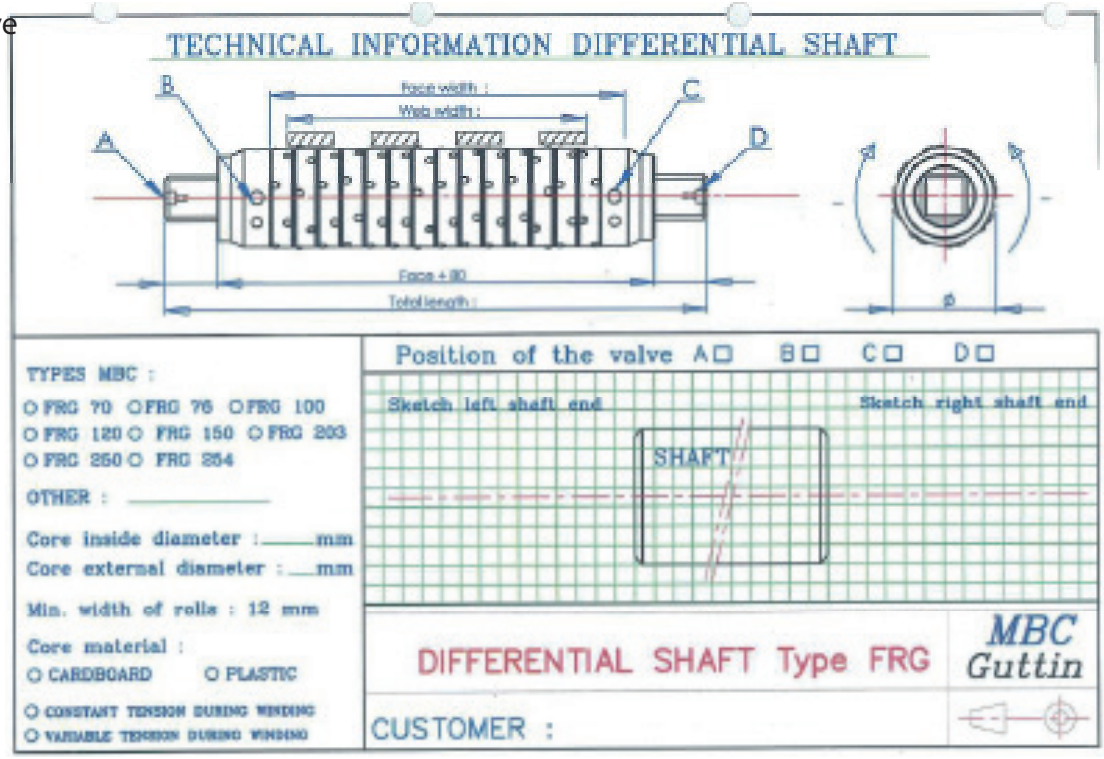


Airshaft with shell meets tow specific uses:

1. Fot the core with low thickness, the shells avoid the distortion of it.
2. The locking by clip allow to remove the use of a core (cardboard or PVC)

Type of options :

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



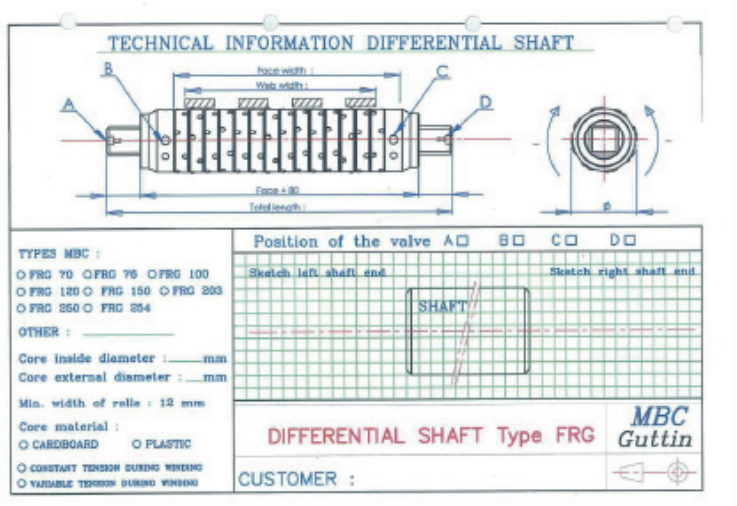
Advantages

+ Rapid use
+ Change to desired diameter

The MBC Sleeves allow you to compensate for punctual diameter changes. For example, pass quickly from a diameter 3" to a diameter 6" by equipping your shaft with a pair of sleeves.

Type of options :

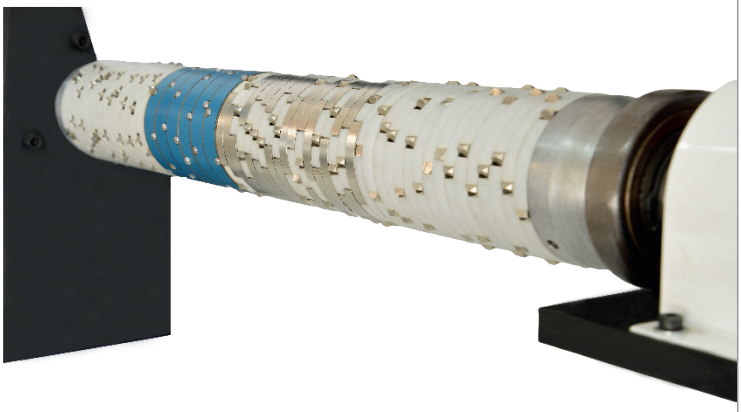
- Mechanical locking by clip or pressure screw
- All type of inside diameter or outside diameter (subject to feasability)
- Aluminium design
- Expansion with aluminium, steel, rubber continuous fillets
- Choice of the lenght of the sleeve
- Two-by-two inflation simultaneously
- Bowl or shell valve

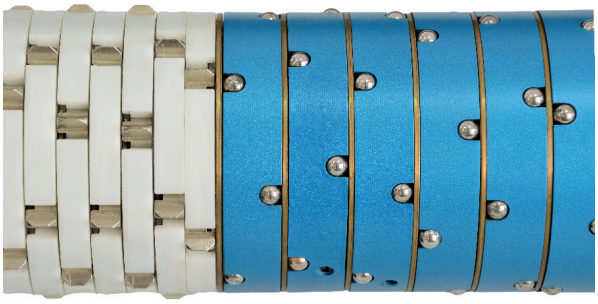


Others Materials

Advantages

+ Multitracks
+ Equal tension on each small rolls
+ Friction rings

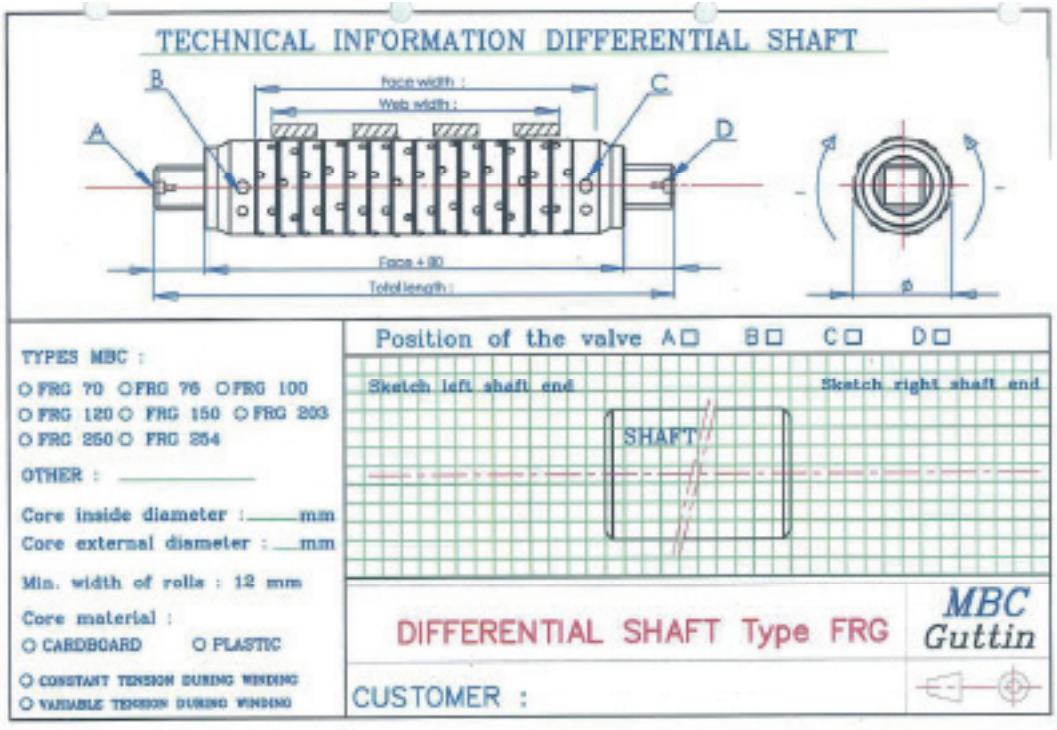




Friction bars have been studied and designed for multitracks winding. Friction rings allow you to wind at equal tension each small rolls. The latter rub when the tension is to high and allow to regulate individually the tension exerted on each small rolls.

Type of options :

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



Advantages

+ Multitracks
+ equal tension on each small rolls
+ Friction rings

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

Insert a square airshaft of different length will you versatility on all your machines.

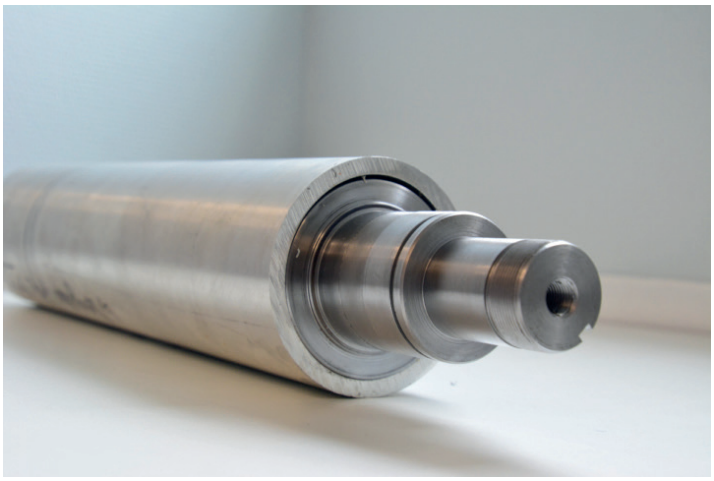
Make your life easier by choosing this light and functional.

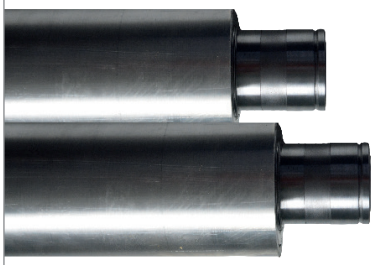
Type of options :

- Diameter from100 to 300 mm
- Square (Internal bore)
- Reinforcement according to specifications

Advantages

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





To answer all your requests, MBC Guttin provides you a range of guiding roll.

These often forgotten guiding rolls play an important role in keeping your product. These maintains after smoothing, angular lifting, recovery after calendering or any type of operation, it is the guiding roll that recovers and transmits material.

Type of options :

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

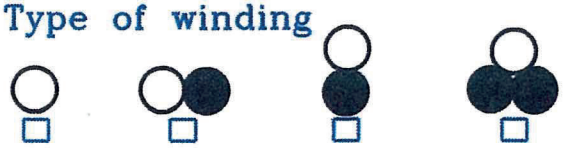
Speed : _____ m/min
Emergency stop : _____ sec

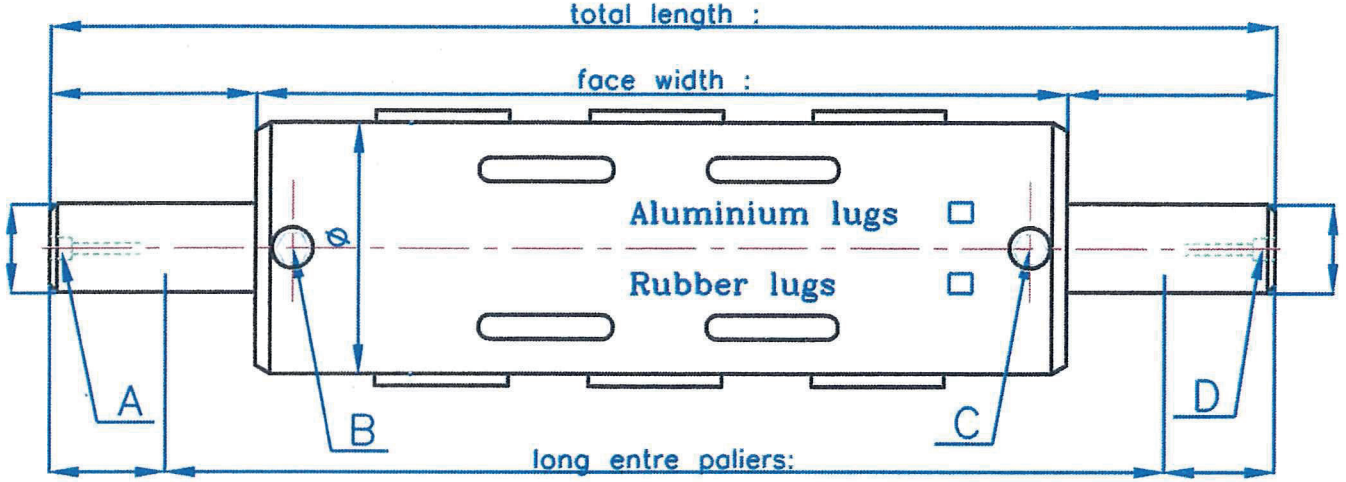
Treated Material
Paper ☐ Plastic ☐ Other
Cardboard ☐ Textile ☐ _____

Weight of treated material : _____ gr/m_2
Strip tension : _____ N/cm

Shaft material :
Aluminium ☐ Steel ☐
Carbon ☐ Other _____

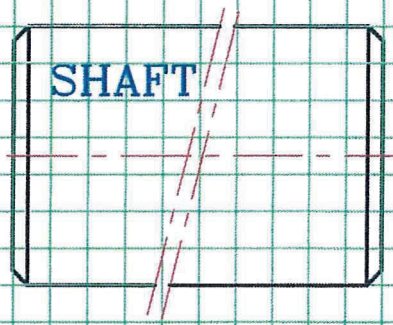
Type of winding





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

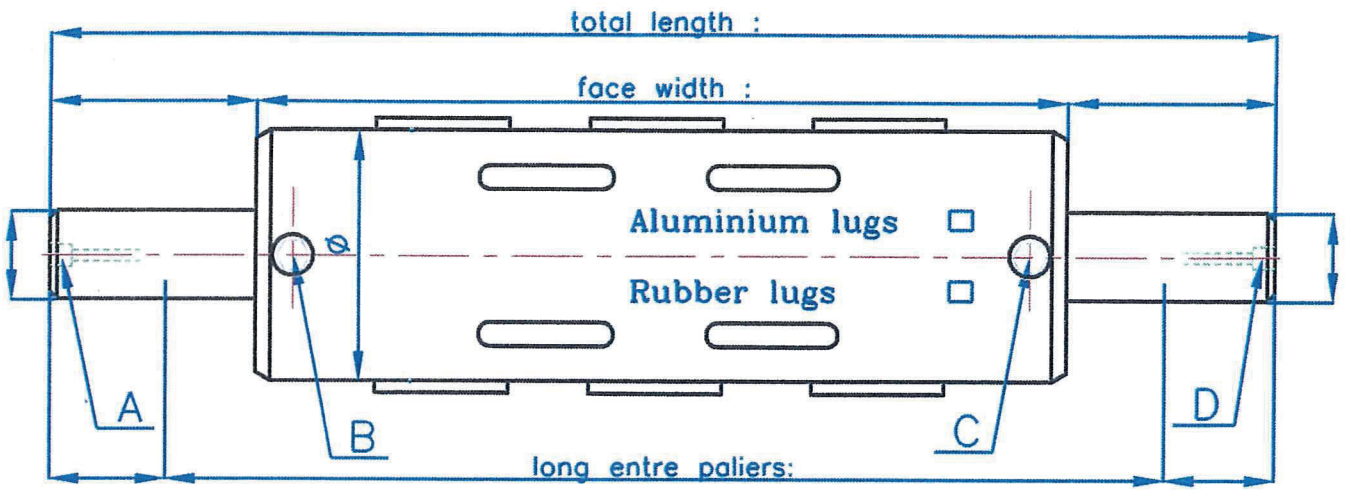
Speed : _____ m/min
Emergency stop : _____ sec

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

Weight of treated material : _____ gr/m$_2$
Strip tension : _____ N/cm

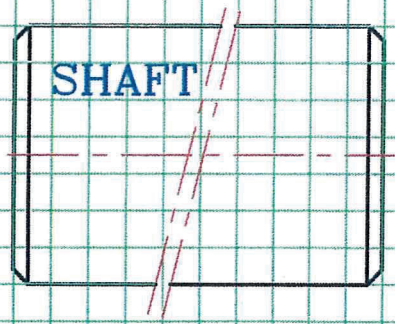
Shaft material :
Aluminium ☐ Steel ☐
Carbon ☐ Other _____

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

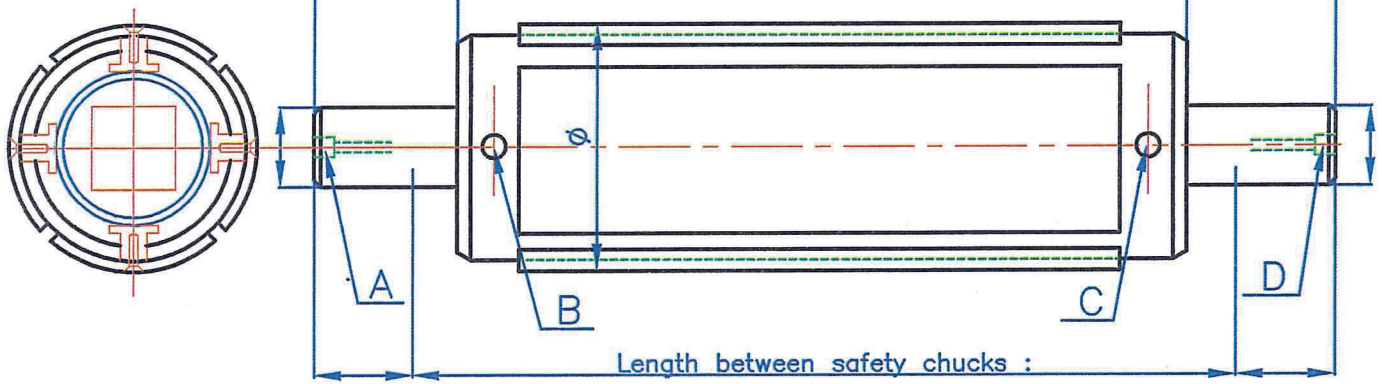
Speed : _____ m/min
Emergency stop : _____ sec

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

Weight of treated material : _____ gr/m$_2$
Strip tension : _____ N/cm

Shaft material :
Aluminium ☐ Steel ☐
Carbon ☐ Other _____

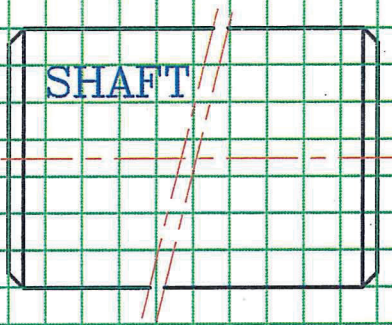
Type of winding



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

Sketch left shaft end

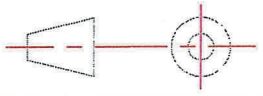
Sketch right shaft end

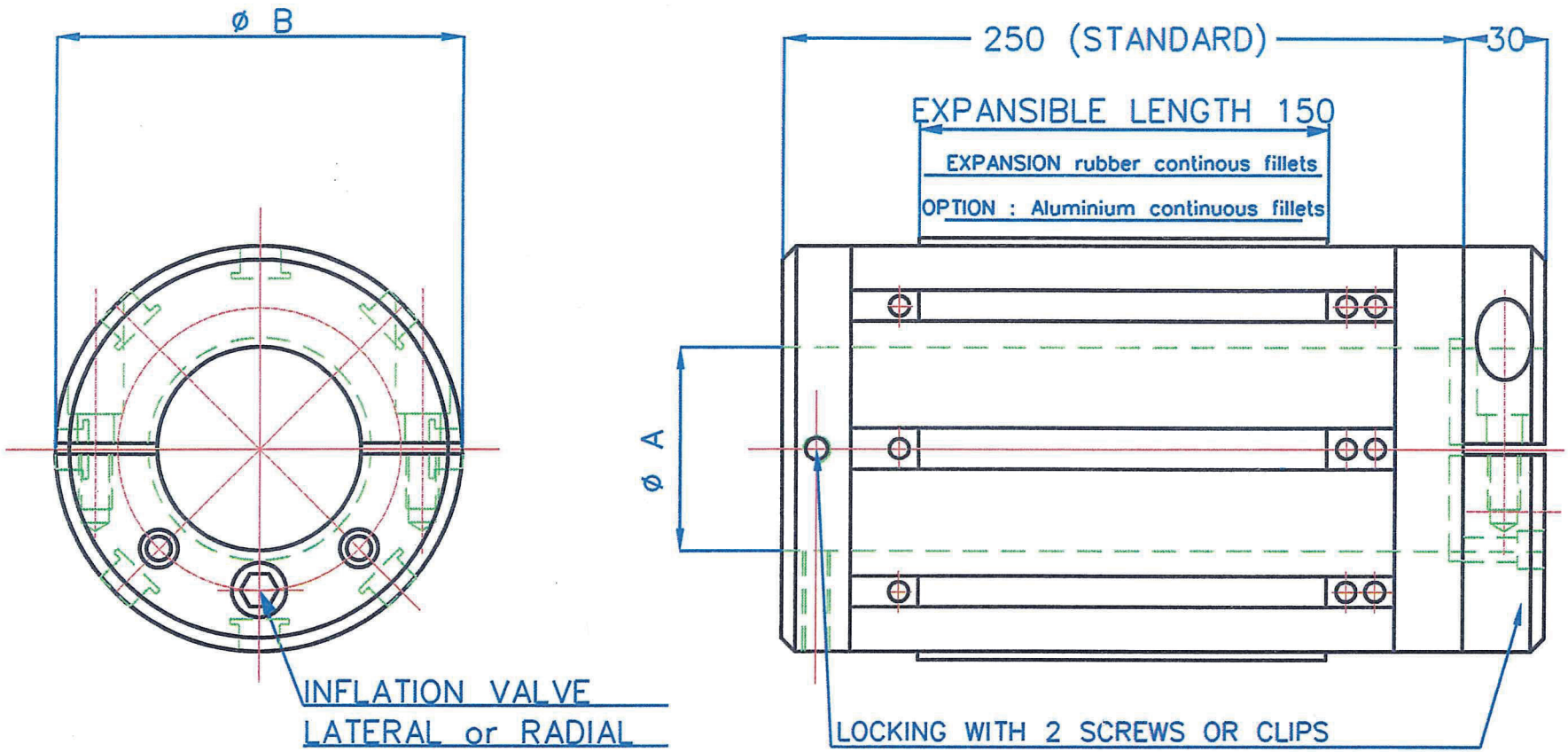


EXPANSIBLE AIRSHAFT WITH SHELLS

MBC Guttin

CUSTOMER :





øA	
øB	
INTERNAL CORE DIAMETER	
LOCKING WITH SCREWS	
LOCKING WITH CLIPS	
MAXIMUM TORQUE	
MOUNTED ON SHAFT ø	

EXPANSIBLE SLEEVE WITH RUBBER CONTINUOUS FILLETS

CUSTOMER :

MBC Guttin

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

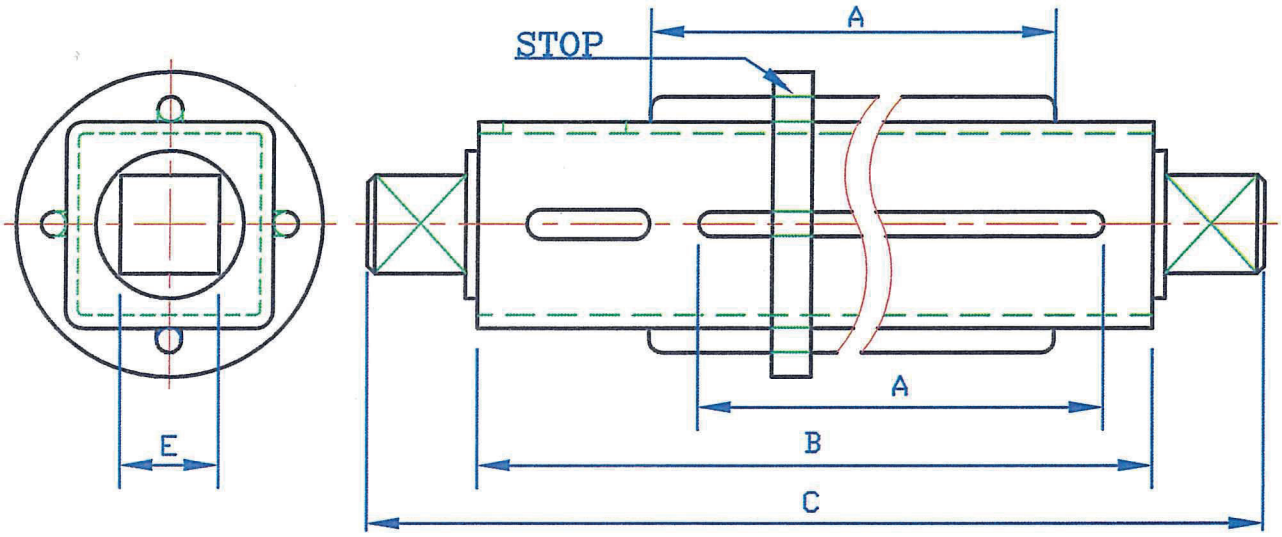
Speed : _____ m/min
Emergency stop : _____ sec

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

Weight of treated material : _____ gr/m_2
Strip tension : _____ N/cm

Shaft material :
Aluminium ☐ Steel ☐
Carbon ☐ Other _____

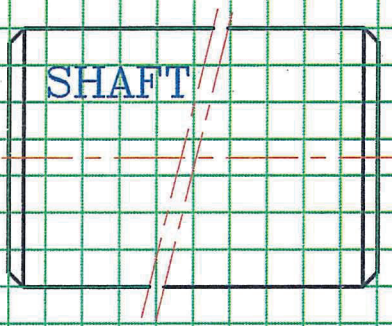
Type of winding



WITH STOP POSITION | WITHOUT STOP POSITION

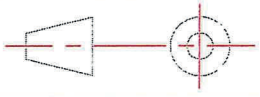
Sketch left shaft end

Sketch right shaft end



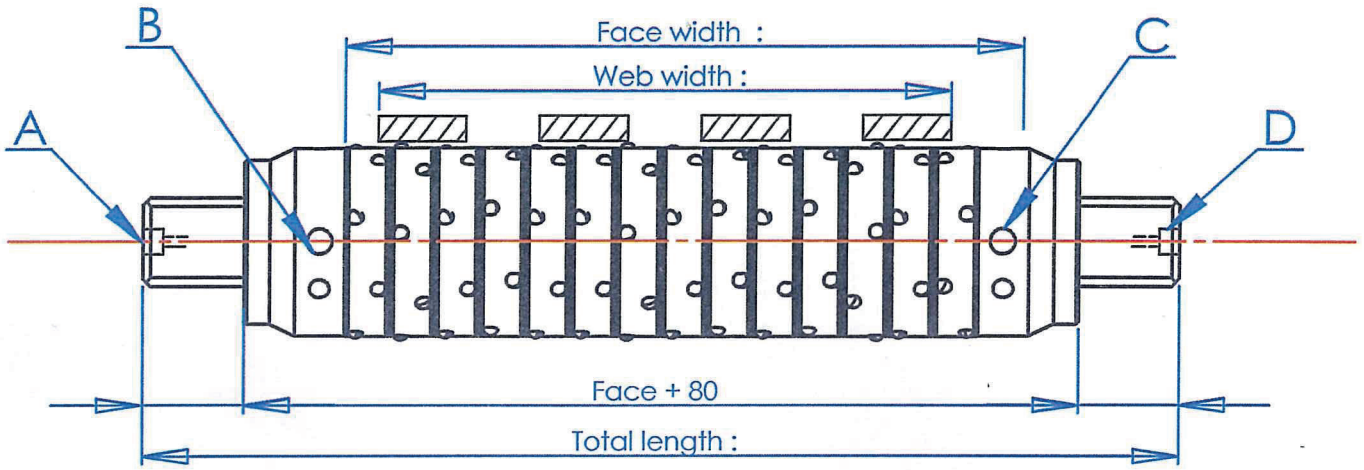
TUBULAR SHAFT

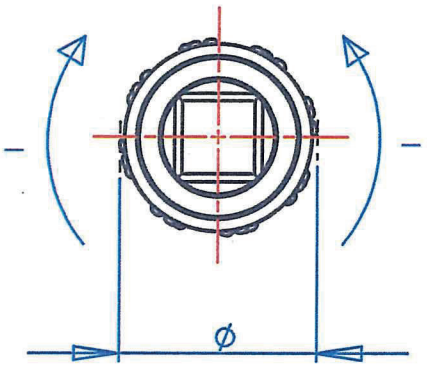
MBC Guttin



CUSTOMER :

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 :

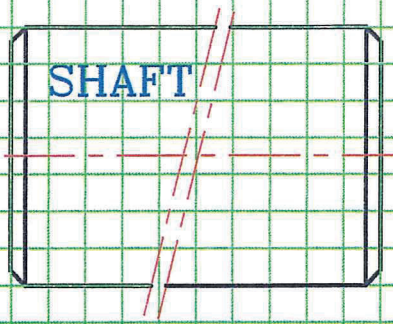
○ CARDBOARD ○ PLASTIC

○ CONSTANT TENSION DURING WINDING
○ VARIABLE TENSION DURING WINDING

Position of the valve A ☐ B ☐ C ☐ D ☐

Sketch left shaft end

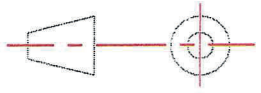
Sketch right shaft end



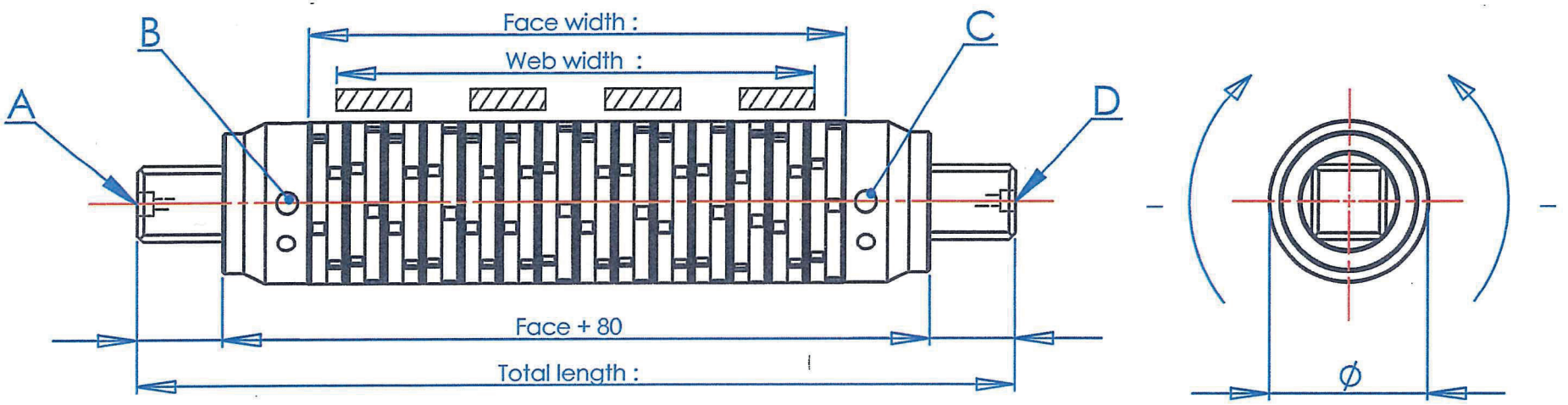
DIFFERENTIAL SHAFT Type FRG

MBC Guttin

CUSTOMER :



TECHNICAL INFORMATION DIFFERENTIAL SHAFT



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

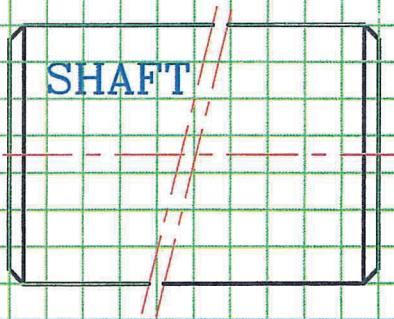
Core material :
○ CARDBOARD ○ PLASTIC

○ CONSTANT TENSION DURING WINDING
○ VARIABLE TENSION DURING WINDING

Position of the valve A ☐ B ☐ C ☐ D ☐

Sketch left shaft end

Sketch right shaft end

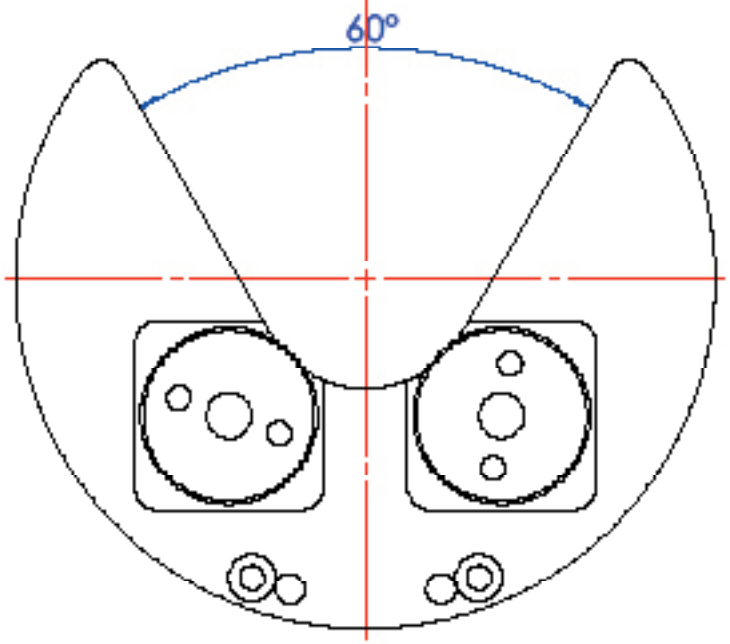


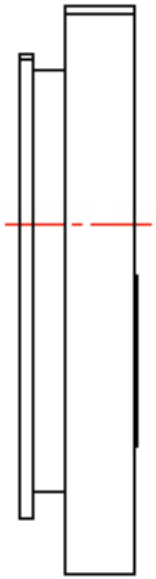
DIFFERENTIAL SHAFT Type FW

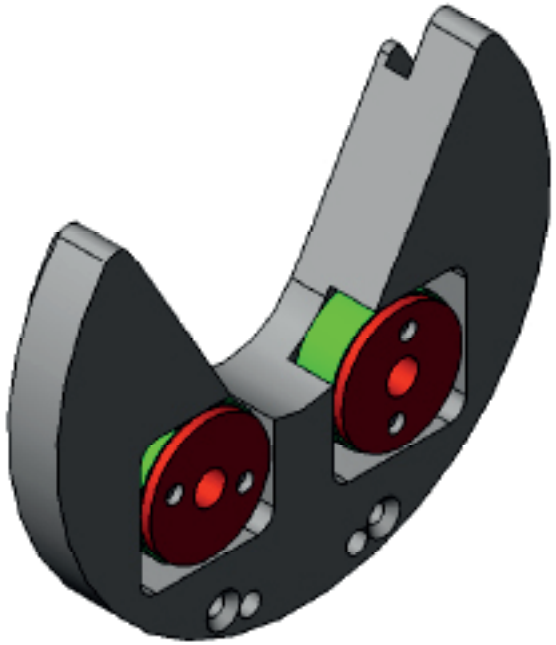
MBC Guttin

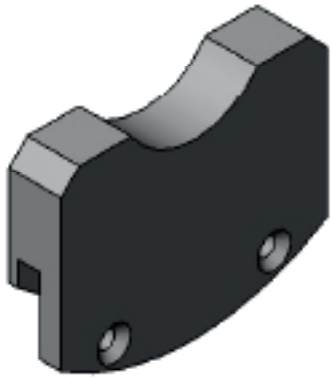
CUSTOMER :

AIRSHAFT SUPPORT TYPE 2

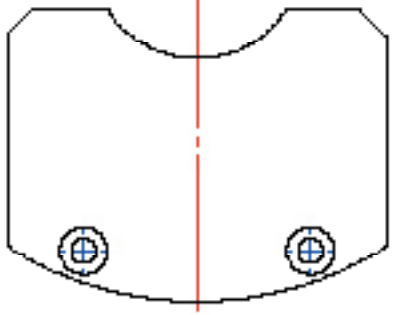








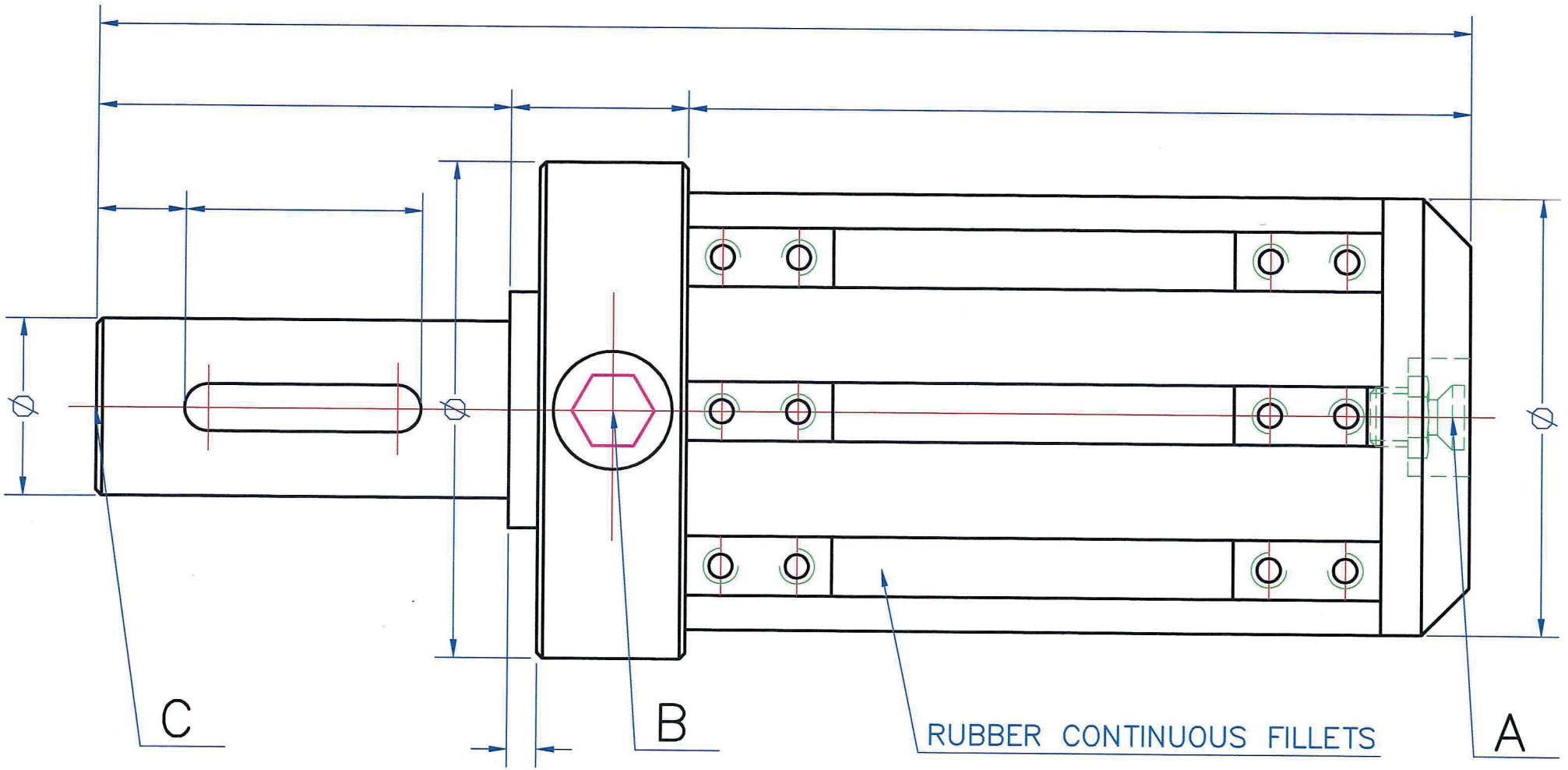
AIRSHAFT SUPPORT TYPE 1



Ensemble: **AIRSHAFT SUPPORTS TYPE 1 AND 2**

Titre:

Matière:	Tolérances générales: ISO 2768 mK Etat de surface général: 1.6	Nb:
Echelle:	Ce plan est la propriété de MBC GUTTIN. Il ne peut être reproduit et/ou comuniqué sans autorisation. This document belong to MBC GUTTIN. It cannot be reproducted and/or transmitted without authorisation.	GUTTIN Fabrice Date:
	MBC Guttin	Client : Langue: Fr



FOR CORE ø	
ROLL WEIGHT	
TENSION MAXI	

INFLATION VALVE POSITION A☐ B☐ C☐

CANTILEVERED EXPANDABLE

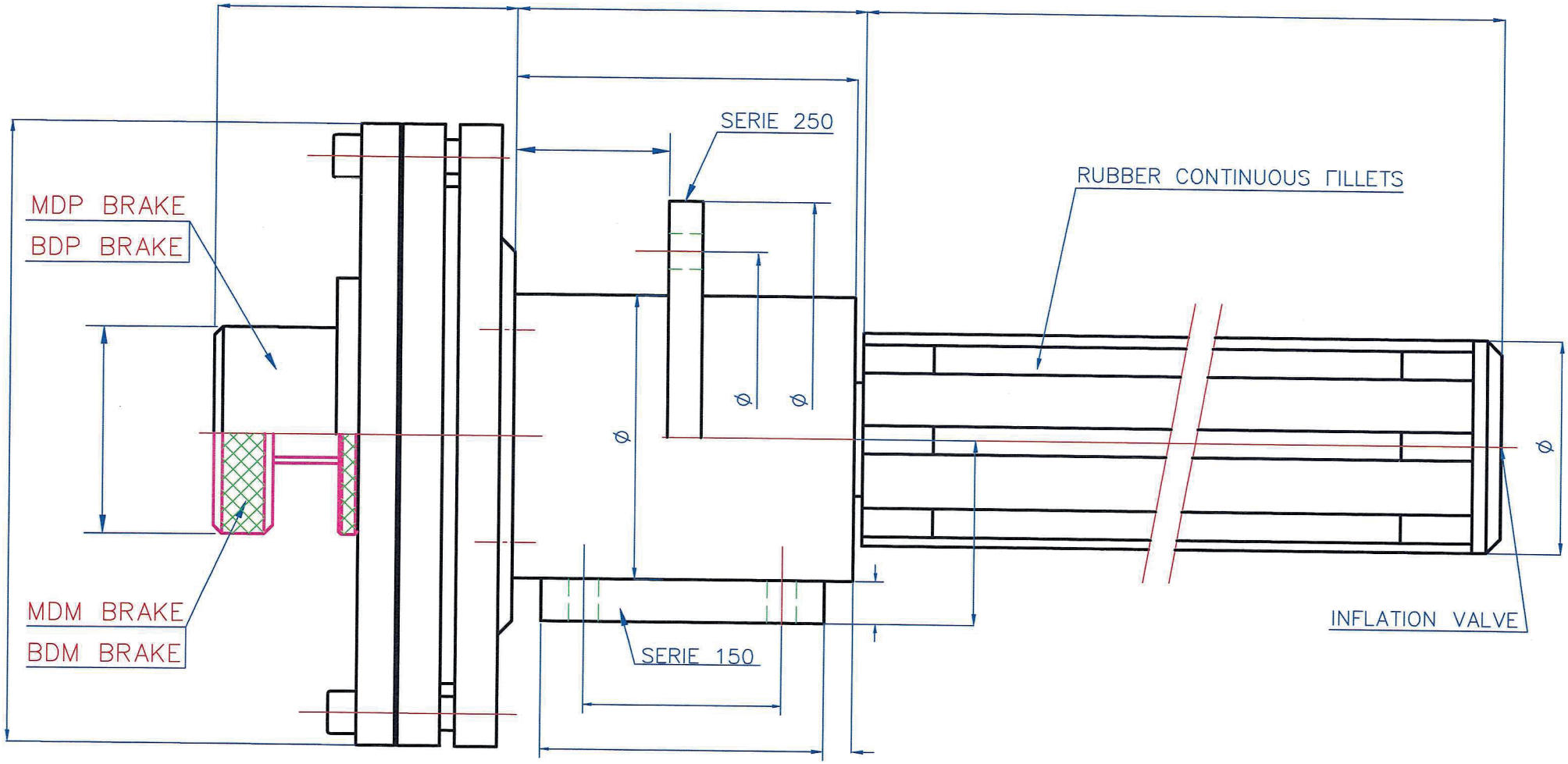
SHAFT WITH RUBBER

CONTINUOUS FILLETS

CUSTOMER :

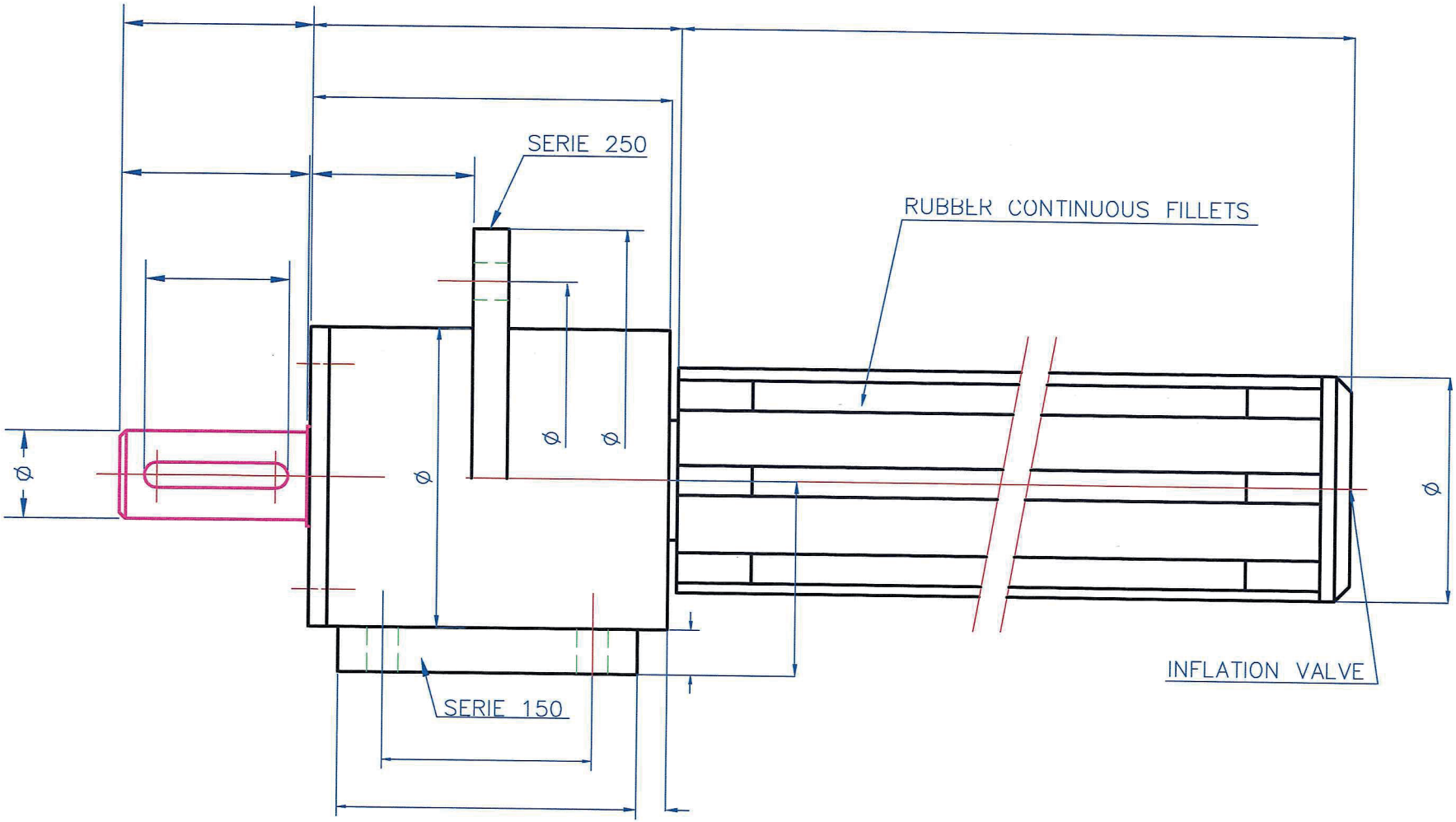
MBC

Guttin



FOR CORE ø		EXPANDABLE SHAFT WITH
ROLL WEIGHT		RUBBER CONTINUOUS FILLETS
TENSION MAXI		BEARING CASE AND BRAKE
		CUSTOMER :

MBC Guttin



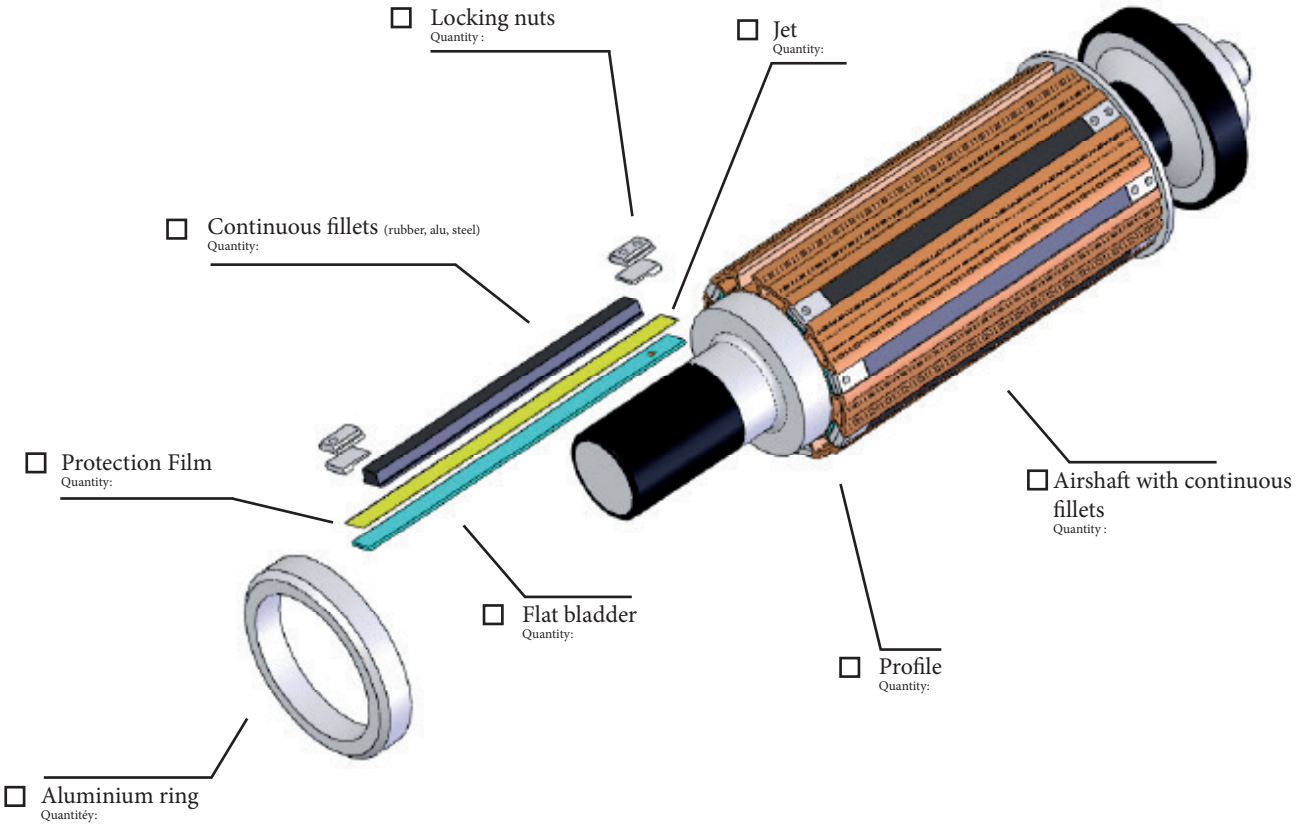
FOR CORE ø		EXPANDABLE SHAFT WITH
ROLL WEIGHT		RUBBER CONTINUOUS FILLETS
TENSION MAXI		AND BEARING CASE
		CUSTOMER :

MBC
Guttin

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 sticker MBC Guttin glued to the airshaft..
It can also be visible ont the edge of the airshaft.

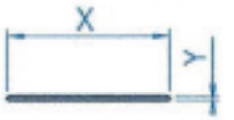
MBC Number : ....

(essential)

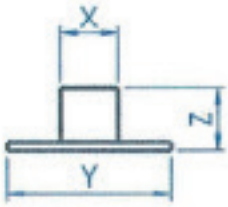
SPARE PARTS FOR EXPANSIBLE SHAFTS WITH CONTINIOUS FILLETS

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

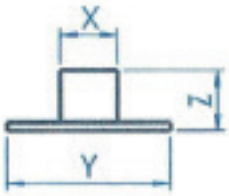
PROTECTION FILMS		
X	Y	Ref:
10	0.4	FP10
15	0.4	FP15
20	0.4	FP20



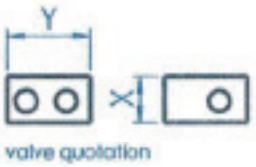
RUBBER CONTINIOUS FILLETS			
X	Y	Z	Ref:
6	10	4.5	BC6
10	15	8	BC10
15	20	8	BC15



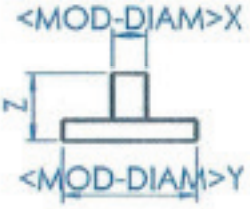
ALUMINIUM CONTINIOUS FILLETS			
X	Y	Z	Ref:
10	15	8	BA10
15	20	8	BA15



BLOCKING CORNERS SET (1 SET FOR 1CONTINIOUS FILLET SO 4 ALUMINIUM PARTS)		
X	Y	Ref:
10	20	CB10
15	25	CB15
20	25	CB20



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



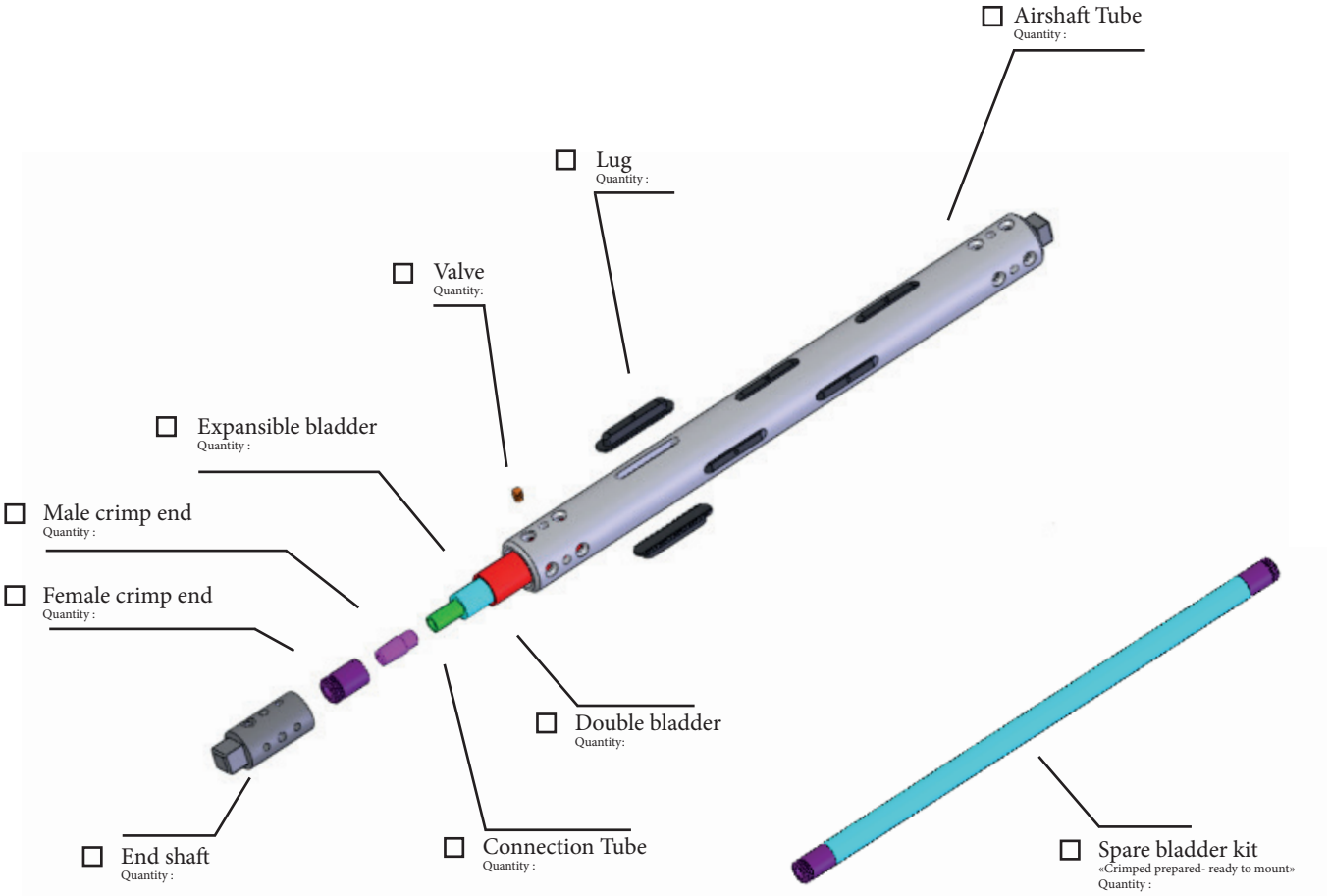
BOWL VALVE — Threading -10x100 ref: VC 10100 MBC standard mounting
-1/8 Npt ref: VC 1/8 Npt
-3/8 Npt High flow ref: VC3/8 GD

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

MBC Gullin

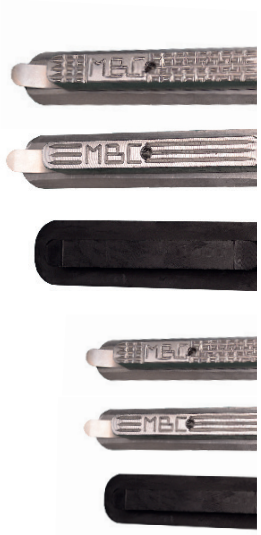
Purchase Order Spare Parts - Safety Chuck MBC	- Name of the company : - Department : - Person in charge : - Email Address:

Identification of the different parts :



Identification of the Spare parts :

- ☐ 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 :

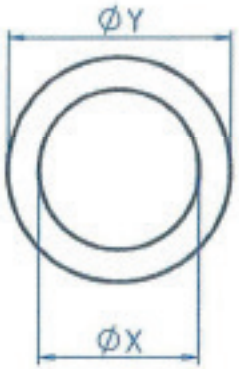
An airshaft number is punched under the sticker MBC Guttin glued to the airshaft.
It can be visible on the edge of the airshaft.

MBC Number : ....
(essential)

SPARE PARTS FOR EXPANSIBLE SHAFTS WITH LUGS

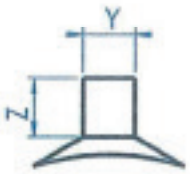
EXPANSIBLE BLADDER		
X	Y	Ref:
10	14	VT 1014
12	17	VT 1217
12	20	VT 1220
15	25	VT 1525
20	30	VT 2030
25	35	VT 2535
30	40	VT 3040
40	50	VT 4050
45	55	VT 4555
50	60	VT 5060
60	70	VT 6070
80	95	VT 8095
100	110	VT 100110

EXPANSIBLE DOUBLE BLADDER (MBC PATENT)		
X	Y	Ref:
33	37	DP 3337
38	42	DP 3842
58	64	DP 5864



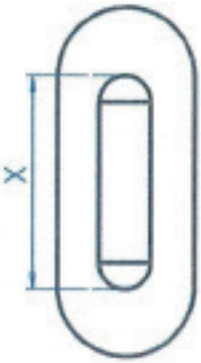
ALUMINIUM LUGS WITH RETURN SPRING			
X	Y	Z	Ref:
50	10	12,5	CAL 5010-125
50	12	13,5	CAL 5012-135
50	12	15	CAL 5012-150
100	12	13,5	CAL 10012-135
100	12	15	CAL 10012-150

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



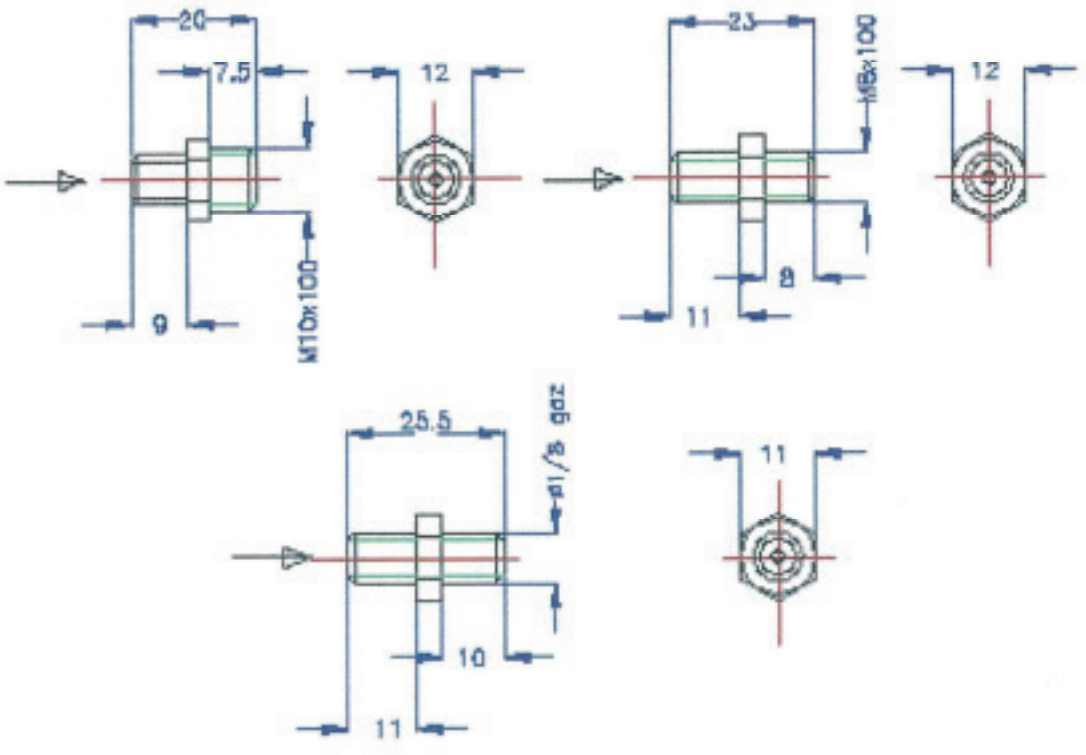
RUBBER LUGS			
X	Y	Z	Ref:
50	10	13,5	CCA 5010-135
50	12	13,5	CCA 5012-135
50	12	15	CCA 5012-150
100	12	13,5	CCA 10012-135
100	12	15	CCA 10012-150
200	12	13,5	CCA 20012-135
200	12	15	CCA 20012-150

Others on request

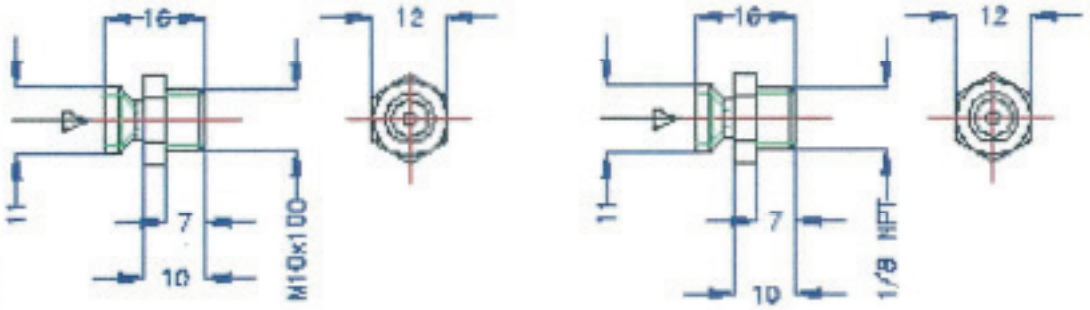
BOWL VALVE Threading -10x100 ref: VC 10100 MBC standard mounting
-1/8 Npt ref: VC 1/8 Npt
-3/8 Npt High flow ref: VC3/8 GD

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

MBC Gullin



SHELL VALVE



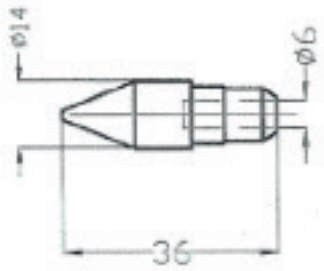
STANDARD MBC

BRASS BOWL VALVE

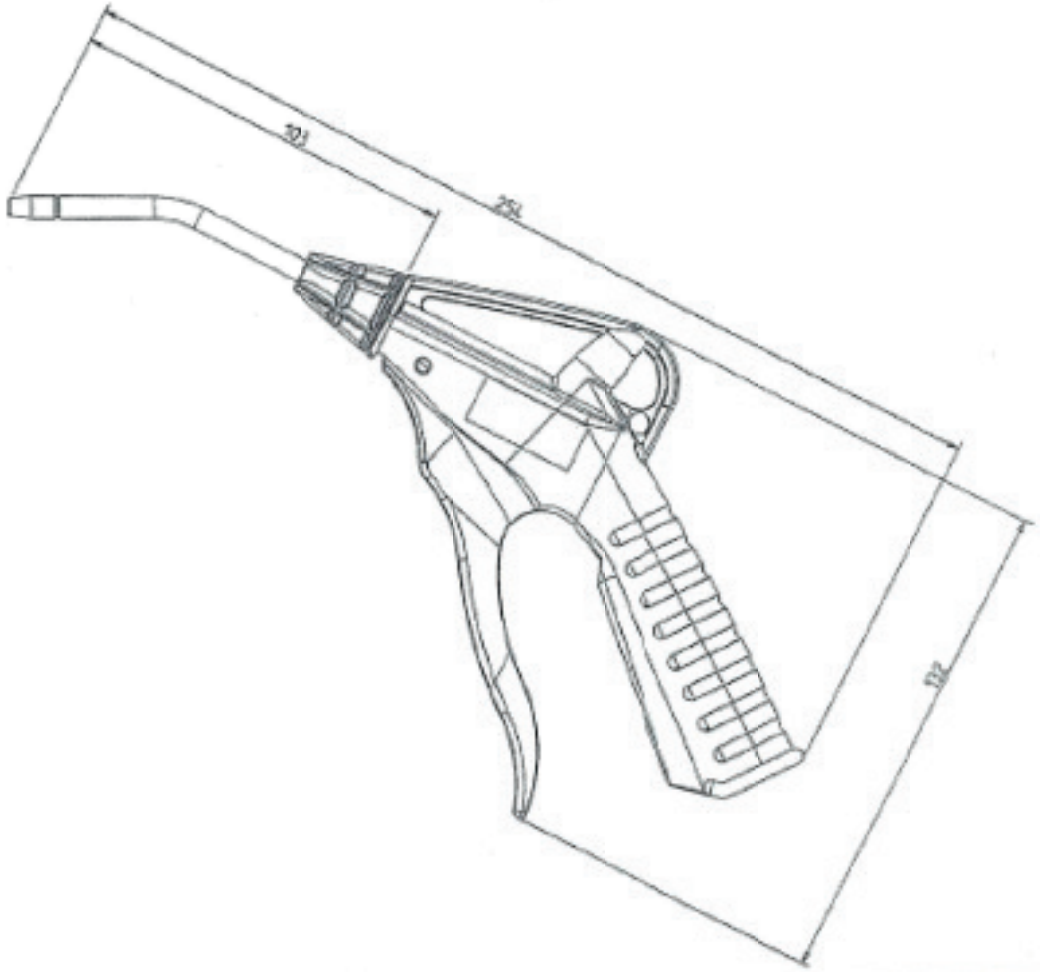
Description : INFLATION VALVES FOR EXPANSIBLE AIRSHAFT		
	DATE: 05/02/99	MATIERE

MBC Guttin

N° : _____



CLIP-ON ENDSHAFT



SET : AIR GUN FOR EXPANSIBLE AIRSHAFT			MBC Guttin
	DATE :	MATERIAL :	N°

Further Informations

News-What is a High strength aluminium ?

R&D : Performance Research and new produts development:
From carbon to Steel to Aluminium!

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

Advantages

+Airshaft weight maintained
+ Permissible Load increased
+ Bending reduced
+ More resistant

- Inspired by the aeronautics with wich 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 still ligther loads! Opting for this airshaft format will surely save you from using steel airshaft, not always useful and yet very heavy.

- Make your operator's life easier by provide them less heavy equipment and reduced handling frequencies.

- Optimize your production capacity by increasing the weight of your rolls, thus reducing airshaft changes.

- Facilitate your mainteannce : Available with the Double skin MBC Patent. Gain almost 30 minutes when changing your bladder kit.

- Always a product 100% made in France !

R&D

Ligthness : MBC Guttin thinks of your users !

Airshaft Development

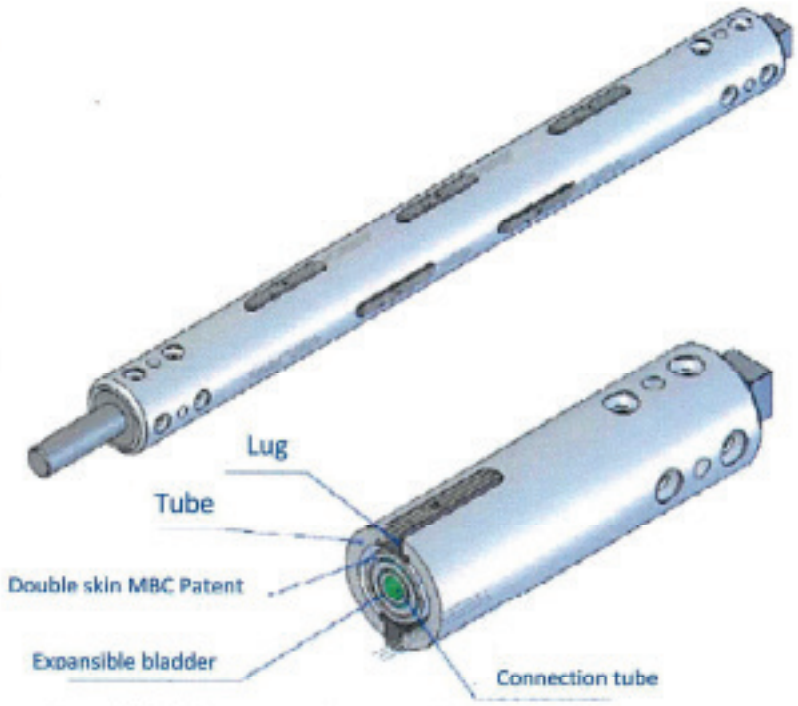
Aluminium High Resistance

Advantages

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

+ 35 % additional load
- 40% less bending
(For the same weight as a standard aluminium airshaft)

AIRSHAFT WITH LUGS



Available in 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

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

Disassembly and maintenance

ASSEMBLY AND DISASSEMBLY MANUAL FOR EXPANDABLE AIRSHAFTS WITH CONTINUOUS FILLETS

Maintenance Council : tighten all cleats once

Replacement of inflation membrane

Disassembly

Step 1 – Dismount inflation valve n° 5
Step 2 – Dismount pieces n° 3 and n° 4 on shaft end through screw n° 18
Step 3 – Dismount the locking nuts n° 11 – n° 12 and n° 13
Step 4 – Take out the continuous fillets n° 9
Step 5 – Take out the n° 6 on jet side n° 8
Step 6 – Take out the defective membrane

Reassembly :

Step 7 – Replace the continuous fillets n° 9
Step 8 – Replace the locking nuts n° 13 – n° 12 and n° 11
Step 9 – Replace the pieces n° 3 and n° 4
Step 10 – Replace the inflation valve n° 5

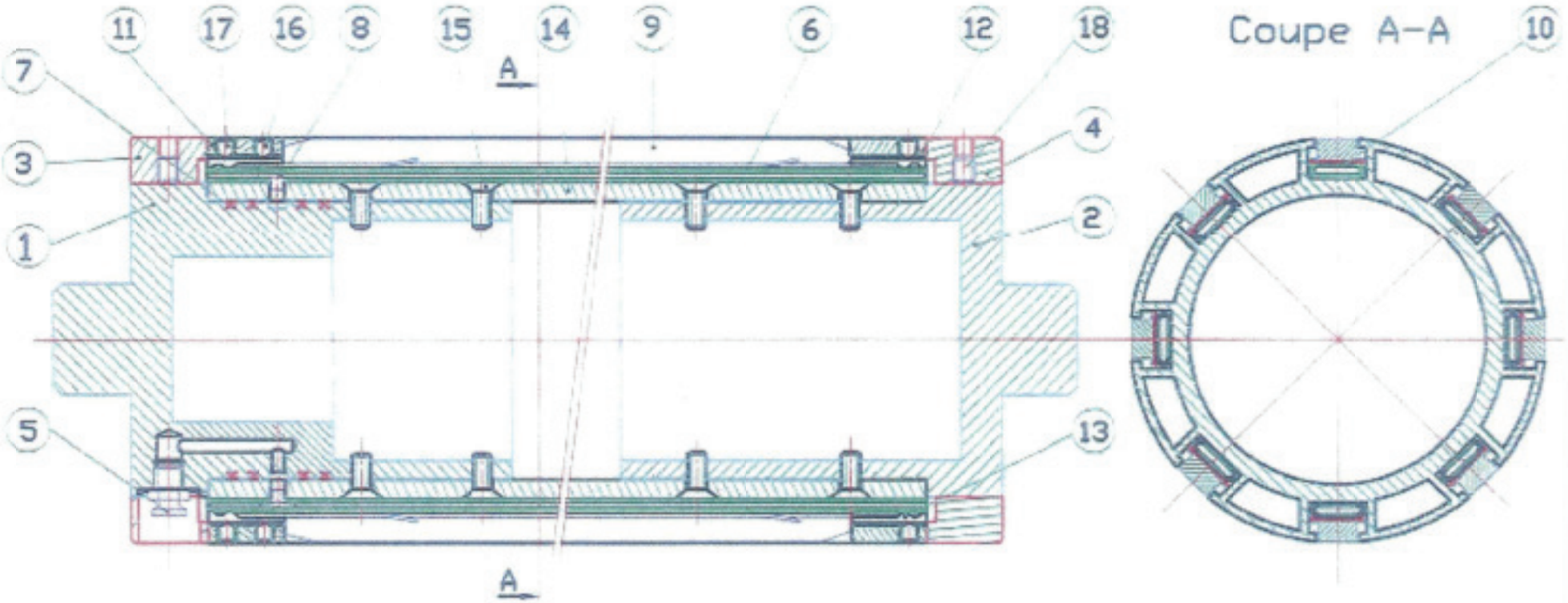
Replacement of shaft end

Disassembly :

Step 1 – Dismount inflation valve n° 5
Step 2 – Dismount pieces n° 3 and n° 4 on shaft end through screw n° 18
Step 3 – Dismount locking nuts n° 11 – n° 12 and n° 13
Step 4 – Take out the continuous fillets n° 9
Step 5 – Take out the membrane n° 6 on jet side n° 8
Step 6 – Take out the protective membrane n° 10
Step 7 – Dismount fixing screw holding shaft end n° 15
Step 8 – Take out the shaft end, while slightly heating the outside diameter of the tube, in order to dilate the shaft end

Reassembly :

Step 9 – Mount the new shaft end and the new O-ring Viton
Step 10 – Slightly heat the outside diameter of the tube, in order to replace the shaft end (be aware of the angular position of shaft ends before final setting up)
Step 11 – Replace fixing screw holding shaft end n° 15
Step 12 – Replace the protective membrane n° 10
Step 13 – Replace membrane n° 6
Step 14 – Replace the locking nuts n° 13 – n° 12 and n° 11
Step 15 – Replace pieces n° 3 and n° 4
Step 16 – Replace inflation valve



1		LEFT END SHAFT (SPIN)	1	10		PROTECTIVE BAND	8
2		RIGHT END SHAFT (SPIN)	1	11		UPPER SEAL PART	8
3		END RING VALVE	1	12		UPPER SEAL PART	8
4		END RING	1	13		LOWER SEAL PART	16
5		INFLATION VALVE	1	14		FACE (TUBE)	1
6		EXPANSIBLE BLADDER	8	15		FHC ASSEMBLY SCREW	8
7		O RING VITON	4	16		LOCKING SCREW	8
8		AIR JET	8	17		LOCKING SCREW	16
9		CONTINUOUS FILLETS	8	18		FIXING SCREW RING	4

SET :
EXPANSIBLE AIRSHAFT
WITH CONTINUOUS FILLETS
TYPE GL AND GS

MBC Guttin

DATE : 03/05/01

Material

N°32001

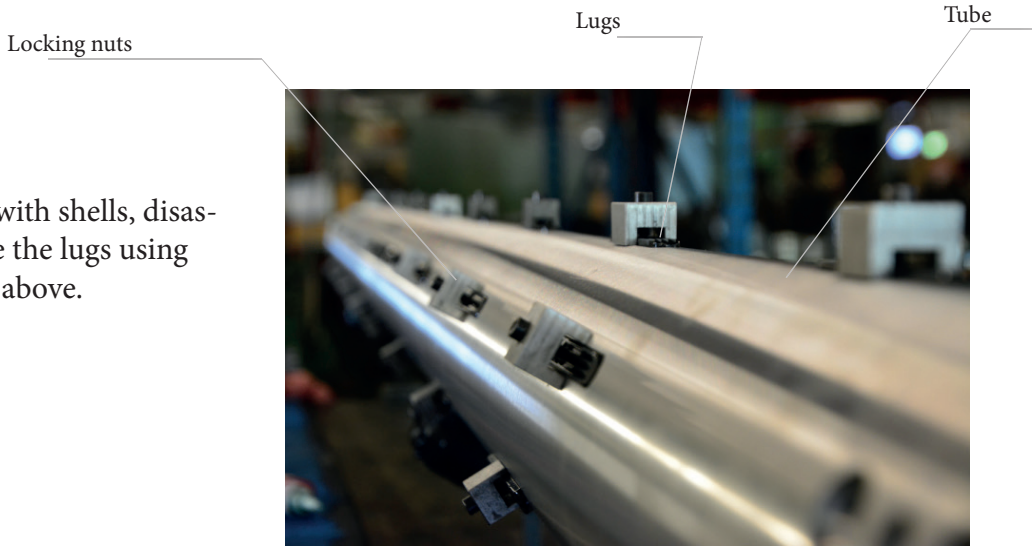
INSTRUCTIONS FOR DISASSEMBLY AND ASSEMBLY EXPANDABLE AIRSHAFTS MBC WITH LUGS

Replacement of the spare bladder kit :

For the airshafts equipped with the Double Skin System, refer directly to step 2.
The MBC Patent «Double Skin» just made you win 10 to 30 min. during maintenance, then enjoy it..!

Careful! The lugs may fall into the tube, they must be immobilized.

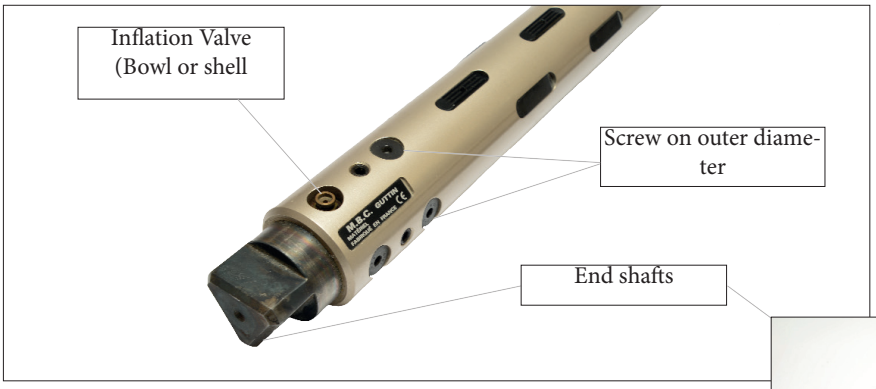
Step 1 - Immobilize the lugs with the locking nuts to lock them in the open position using the M5 tapping located in the center of each lugs.



To know :

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

Step 2 - Disassemble the screws at the ends of the bar on the outside diameter and the inflation valve.



Step 3 - Extract the end shafts at each end.

Step 4 - Pull out the bladder side inflation with its support.

Step 5 - If only bladder change (= ready to set bladder kit) refer directly to step 10.

Step 6 - Unset the two parts for sealing on the bladder by putting a M10 threaded axle inside the air hole, this after removing the two BTR screws that assemble these parts. Then disassociate the two parts (principle of the hub puller). Repeat at each end of the bladder.

Step 7 - If the shaft is larger in diameter than 152 mm, cut the metal ligatures, change the bladder and redo the ligatures. Then refer to step 10.

Step 8 - Disassembly the damaged bladder.

Step 9 - Crimp the new bladder.

Step 10 - Put the bladder back in place.

Step 11 - Reposition the end shafts.

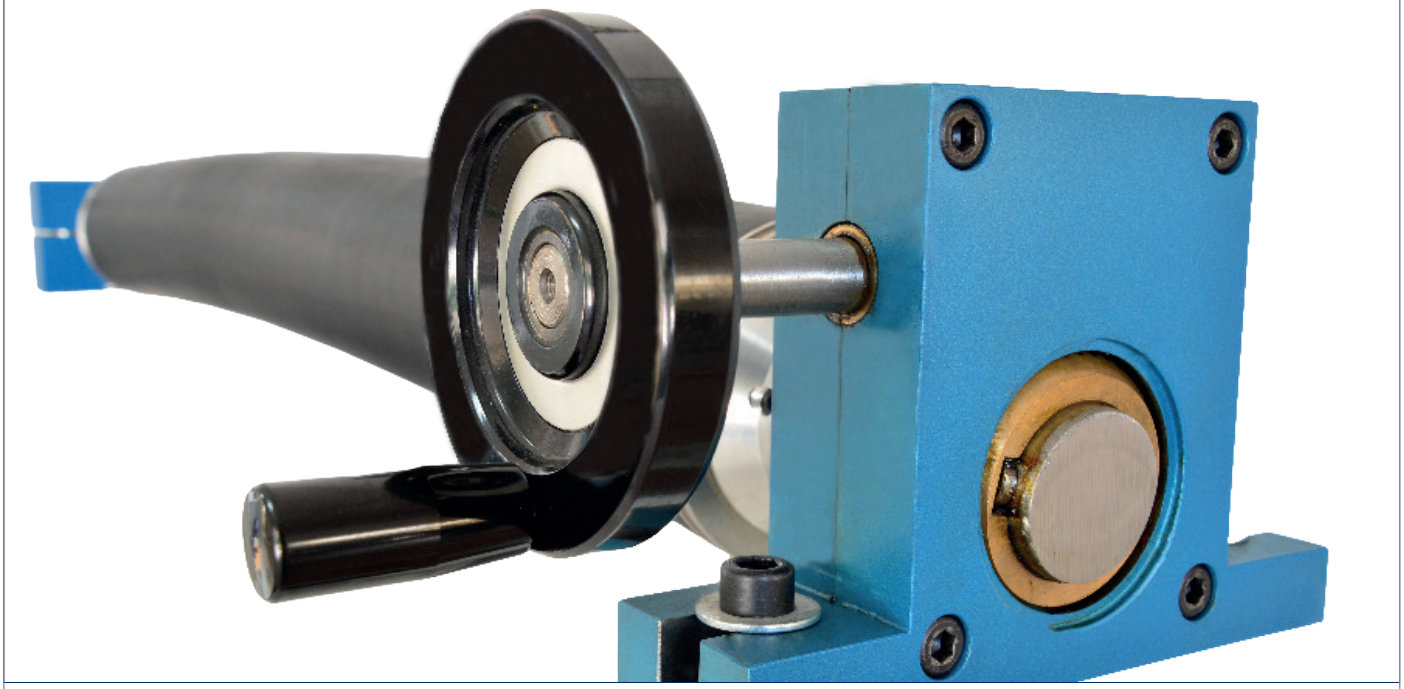
Step 12 - Put the screws back.

Step 13 - Disassembly the locking nuts to release the lugs (optional).

More Informations

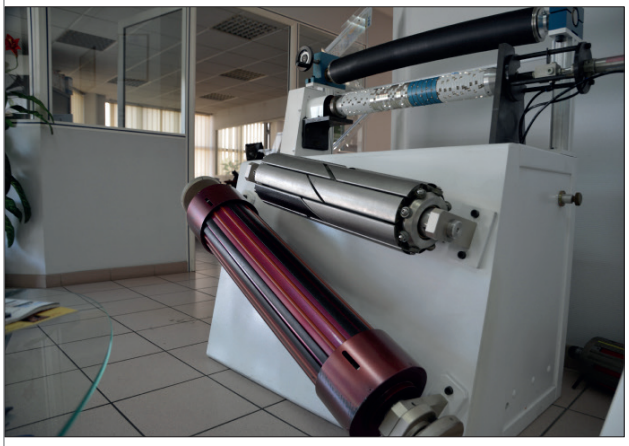
VI. SPREADER ROLLS

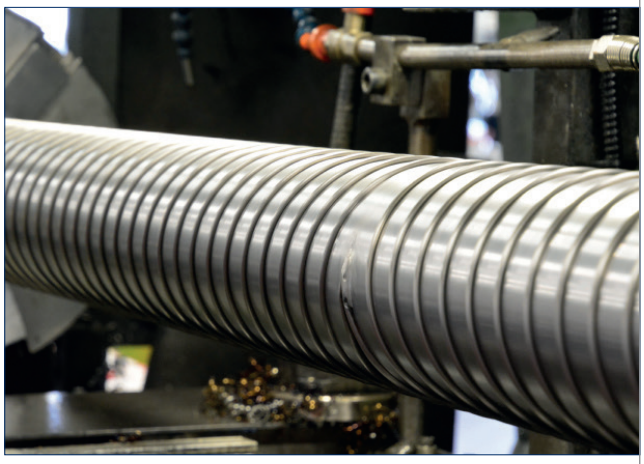
SPREADER ROLLS



Get the best smoothing for your product.

A good smoothing is obtained by the choice of material adapted to your product and compared to the problems of fold encountered.
MBC offers you a range of 4 types of spreader rolls, all specific to each location.





Spreader Rolls

Curved spreader rolls or «Banana» rolls

Advantages

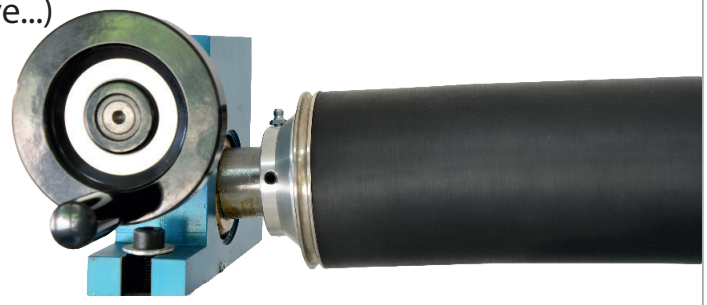
+ Operating by deformation
+ The most varied spreader roll (humidity, corrosive, ect...)
+ Several type of covering and all chromed steel
+ Curvature variable or fixed

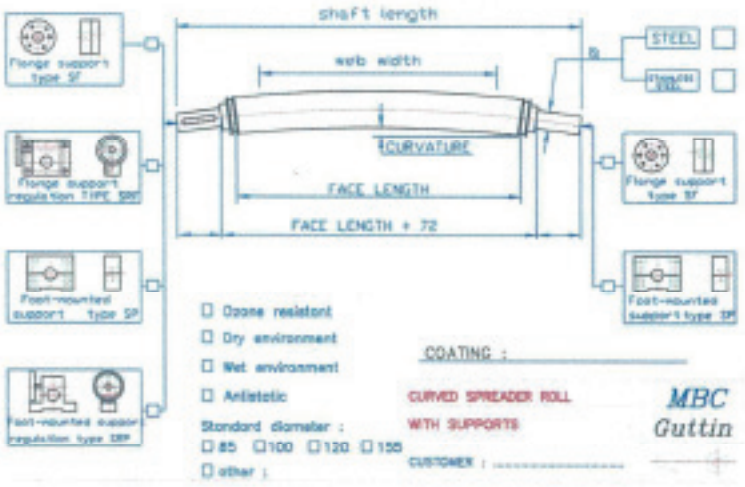
The most varied spreader roll, the banana roll or the curved spreader roll allows you to remove folds from your product.

Working by deformation of the material, it offers you a guaranteed result.

Type of options :

- Differents covering coating (ozone-resistant, sealed, reinforced, corrosive...)
- Stainless steel and steel
- Regulate: orientation of the curvature
- Foot or Flange mounted support





MBC repairs and covering change of all your material

Spreader Rolls

Curved spreader rolls with laths

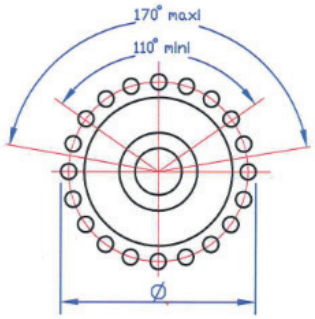
Advantages

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

Working by stretching the material, the spreader roll with laths offers you a guaranteed result for heavy and/or brittle materials. No deformation of the product for a smoothing according to the rules book.

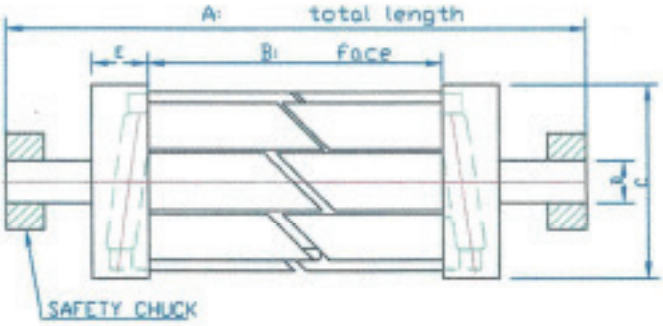
Type of options :

- 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

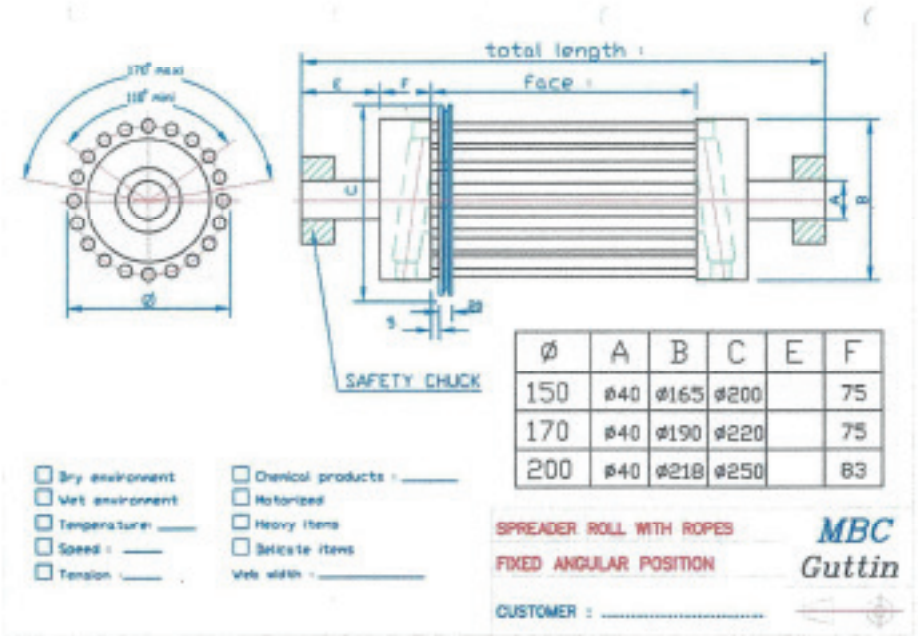
+ Operate by stretching
+ Perfect for thechnical textiles and delicates materials
+ Polyvent (film, plastic, etc...)
+ Several types of ropes

Operating by stretching the material, the spreader roll with ropes offers you a guaranteed result for soft material type technical textile or thick film.

No deformation of the product for a smoothing according to the rules book.

Type of options :

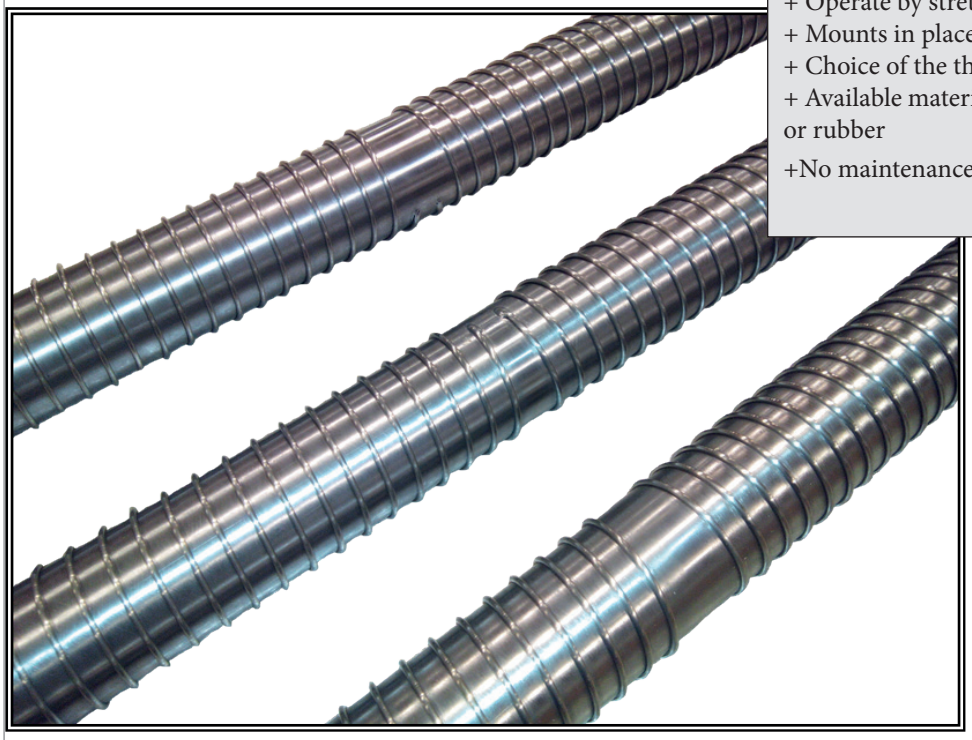
- Fixed angular position
- Diameter
- Foot or Flange mounted support
- Choice of the type of ropes (silicone, polyurethane, or «umbrella» ropes in nitrine)
- Possibility of motorization



ø	A	B	C	E	F
150	ø40	ø165	ø200		75
170	ø40	ø190	ø220		75
200	ø40	ø218	ø250		83

Spreader Rolls

Spreader screws



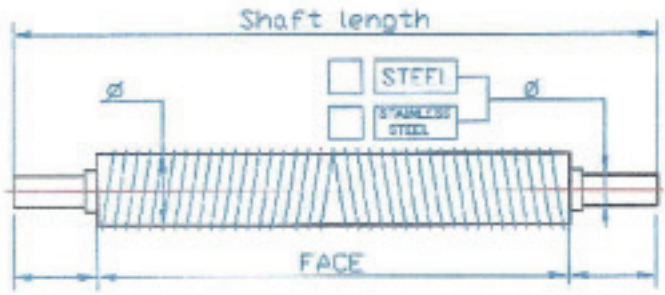
Advantages

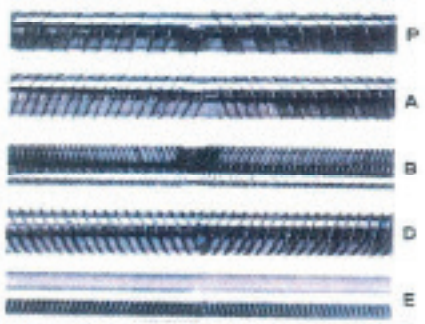
+ Operate by stretching matter without effort
+ Mounts in place of the detour cylinders
+ Choice of the thickness or the depth of the streaks
+ Available materials: steel, aluminium, stainless steel or rubber
+No maintenance

The spreader screw complements the spreader roll and gives a consistency to the stretching of the material so that folds do not form.

Related or processed spiral, different types of screw are available to meet your needs.

Guaranteed you a product with perfect holding thanks to our spreader screws.





ARTICLE		FABRIC IN ROPE FORM	PLAITED FABRIC
KNITS	< 400 gr / m2	A	B
KNITS	> 400 gr / m2	A	A
WOVEN	< 600 gr / m2	A	B
WOVEN	> 600 gr / m2	P	A
DELICATE ARTICLES		D	D
PARTICULAR APPLICATIONS		E	E

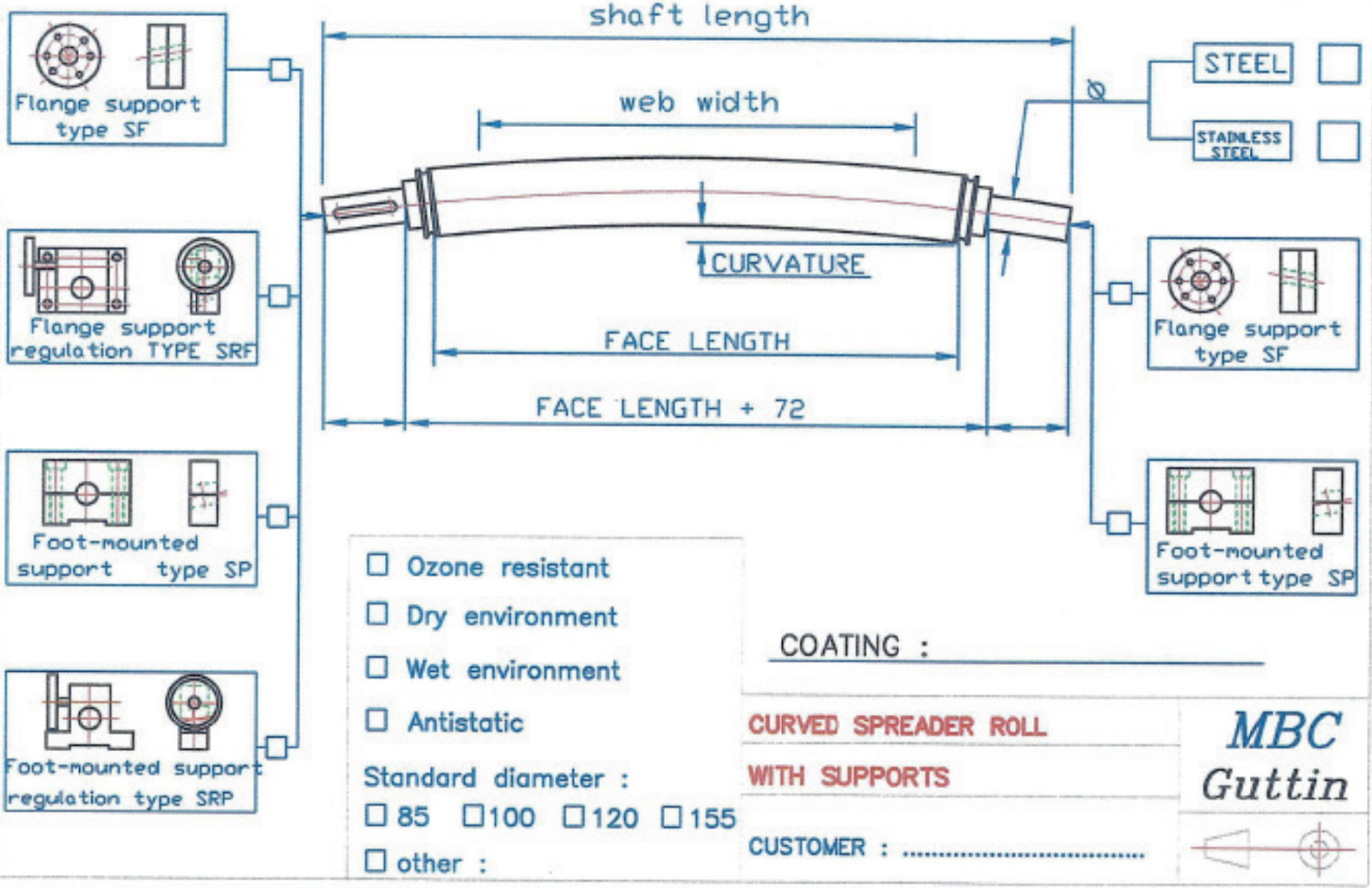
SPREADER ROLL WITH SPIRAL

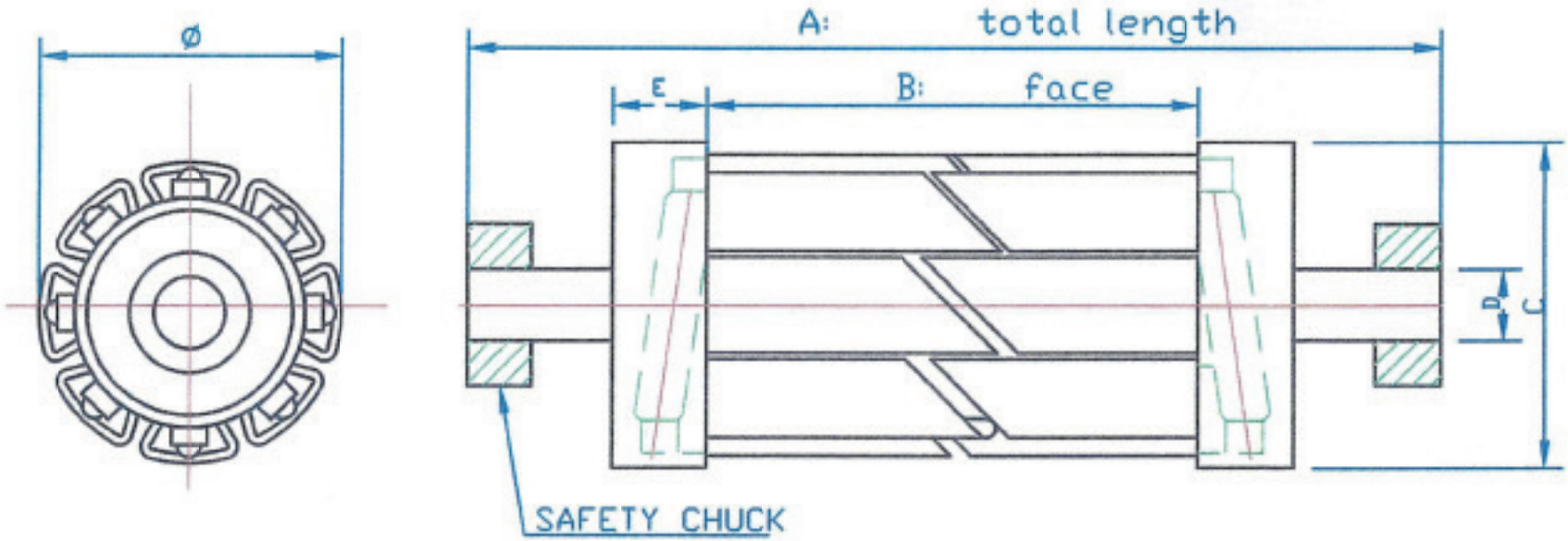
MBC Guttin

CUSTOMER : .....

NOTES

Drawings for measurement taking


shaft length
web width
CURVATURE
FACE LENGTH
FACE LENGTH + 72
Flange support type SF
Flange support regulation TYPE SRF
Foot-mounted support type SP
Foot-mounted support regulation type SRP
STEEL
STAINLESS STEEL
Flange support type SF
Foot-mounted support type SP
Ozone resistant
Dry environment
Wet environment
Antistatic
Standard diameter :
85 100 120 155
other :
COATING :
CURVED SPREADER ROLL
WITH SUPPORTS
CUSTOMER : .....
MBC
Guttin



Ø	A	B	C	D	E
150			ø165	ø40 mini	60
170			ø190	ø40 mini	75
190			ø205	ø40 mini	75

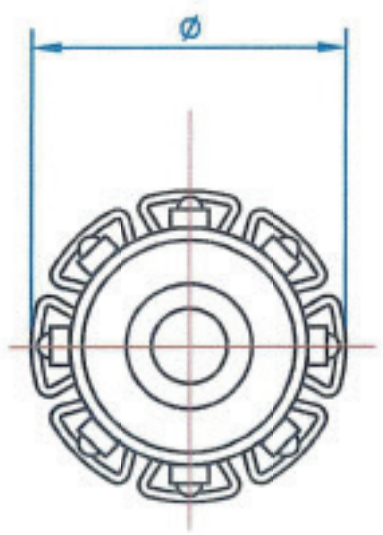
- ☐ Dry environment
- ☐ Wet environment
- ☐ Temperature: _____
- ☐ Speed : _____
- ☐ Tension: _____
- ☐ Chemical products : _____

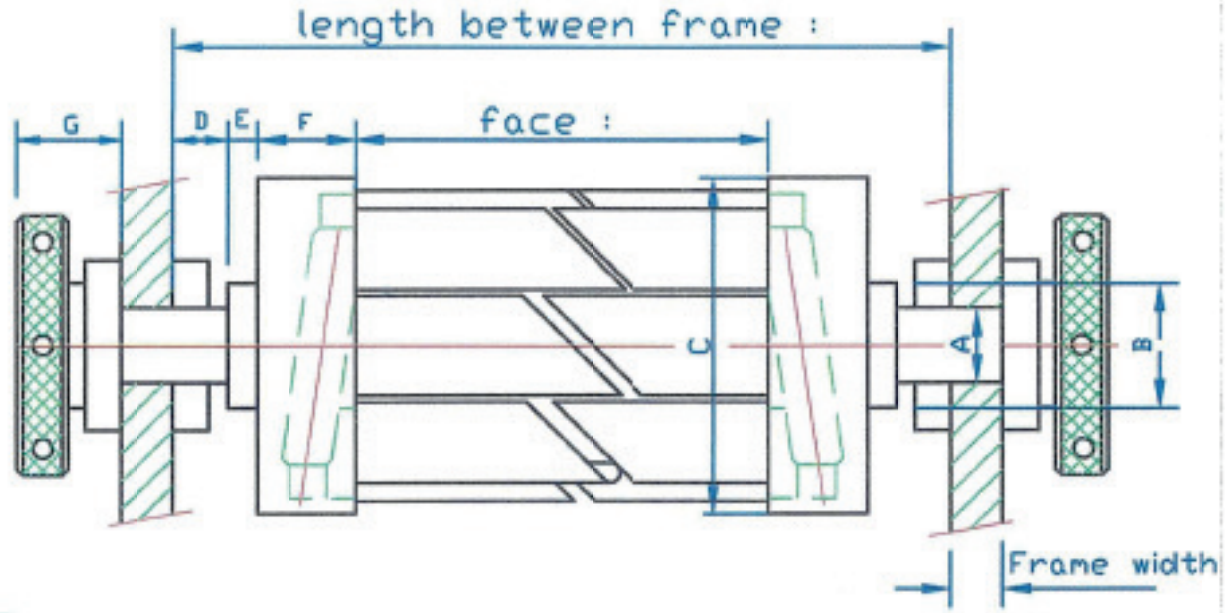
- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy items
- ☐ Delicate items

Web width : _____

SPREADER ROLL WITH LATHS
IN STAINLESS STEEL AND
FIXED ANGULAR POSITION
CUSTOMER : .....

MBC Guttin





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

- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy items
- ☐ Delicate items

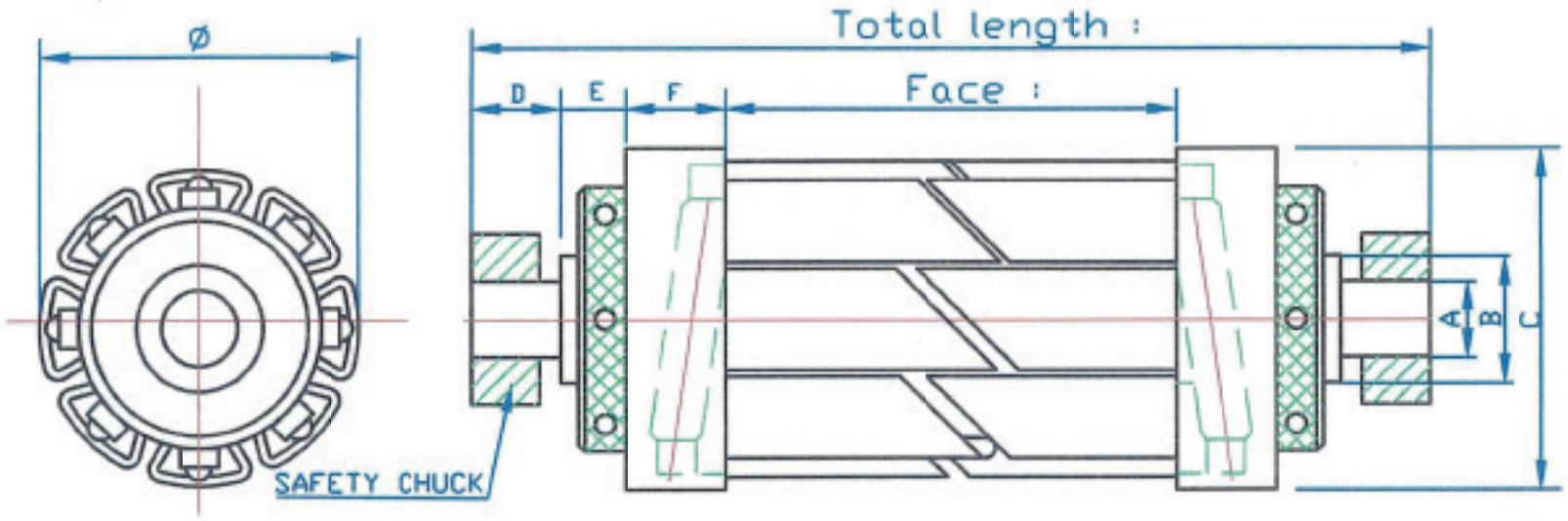
Web width : _____

Ø	A	B	C	D	E	F	G
150	Ø40 mini	Ø65	Ø165	40 mini	20	124	75
170	Ø40 mini	Ø65	Ø190	40 mini	20	124	75
190	Ø40 mini	Ø65	Ø205	40 mini	20	124	75

SPREADER ROLL WITH LATHS IN STAINLESS STEEL and ANGULAR POSITION ADJUSTMENT

CUSTOMER : .....

MBC Guttin



- ☐ Dry environment
- ☐ Wet environment
- ☐ Temperature: _____
- ☐ Speed : _____
- ☐ Tension : _____
- ☐ Chenical products : _____

- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy items
- ☐ Delicate items

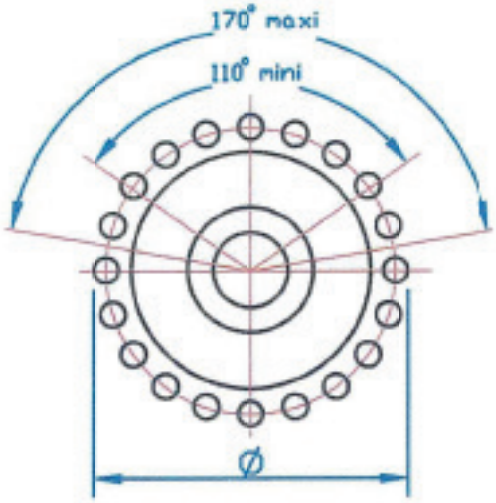
Web width : _____

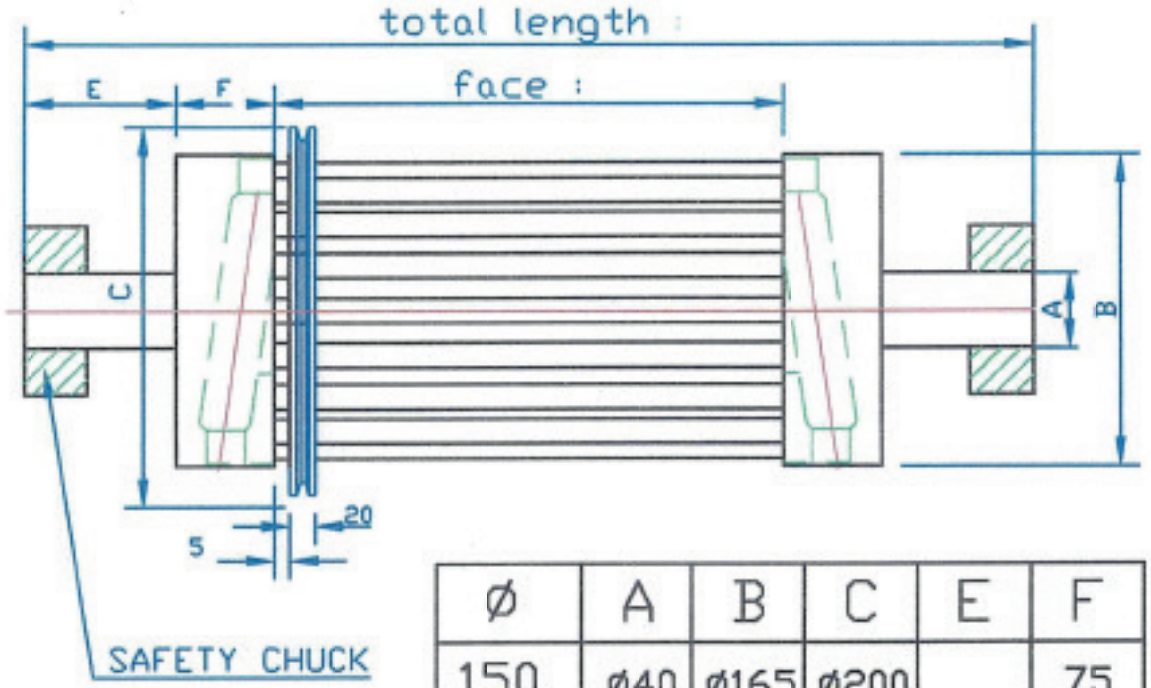
Ø	A	B	C	D	E	F
150	Ø40 mini	Ø65	Ø165	35 mini	37	124
170	Ø40 mini	Ø65	Ø190	35 mini	37	124
190	Ø40 mini	Ø65	Ø205	35 mini	37	124

SPREADER ROLL WITH LATHS IN STAINLESS STEEL AND ANGULAR POSITION ADJUSTMENT

CUSTOMER : .....

MBC Guttin





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 : _____

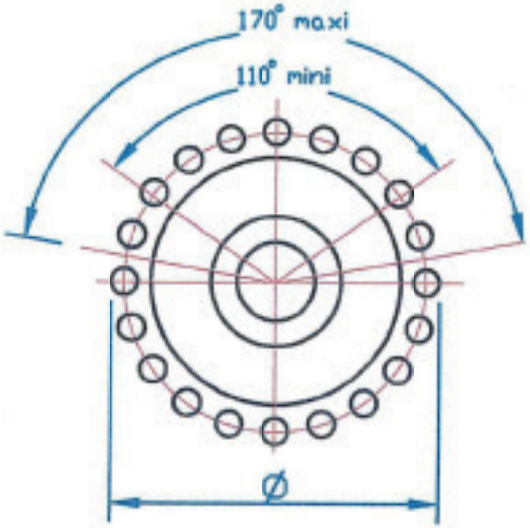
☐ Chemical products : _____
☐ Motorized
☐ Heavy items
☐ Delicate items
Web width : _____

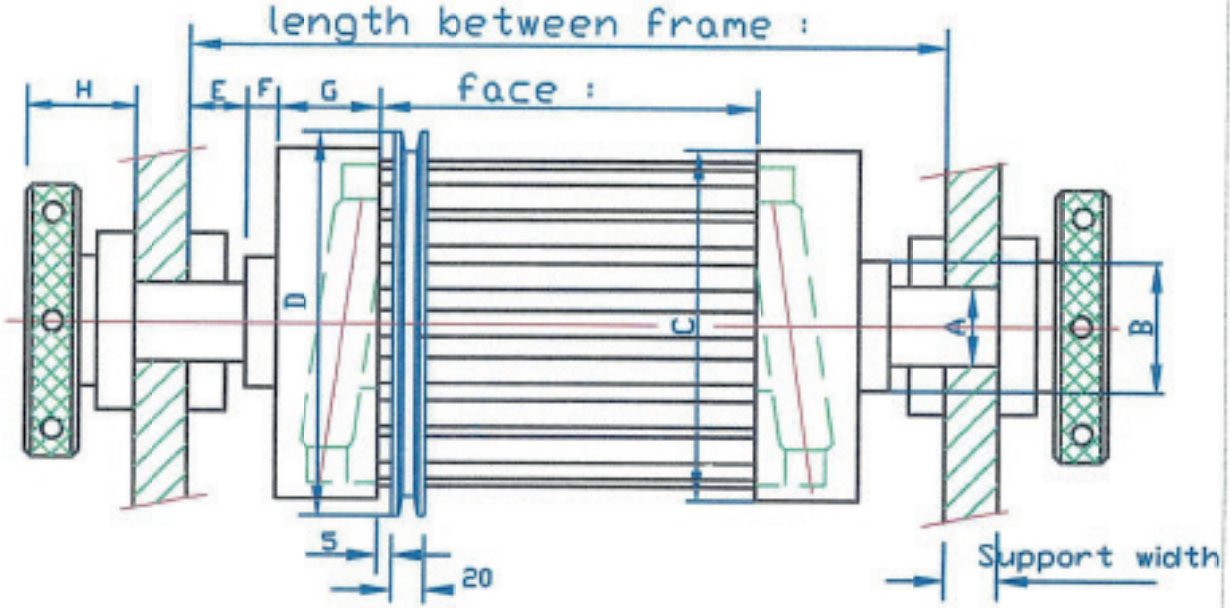
SPREADER ROLL WITH ROPES

FIXED ANGULAR POSITION

CUSTOMER : .....

MBC Guttin





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

- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy items
- ☐ Delicate items

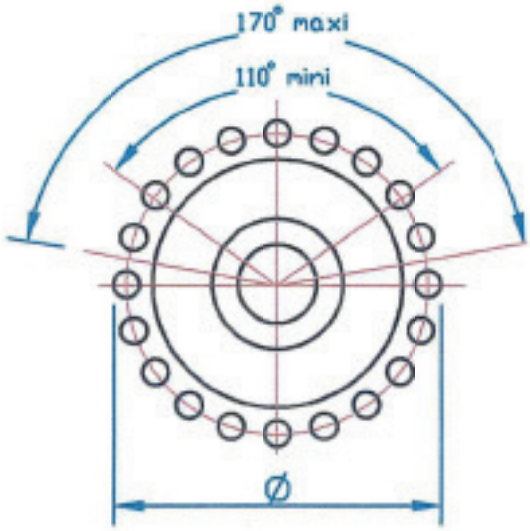
Web width : _____

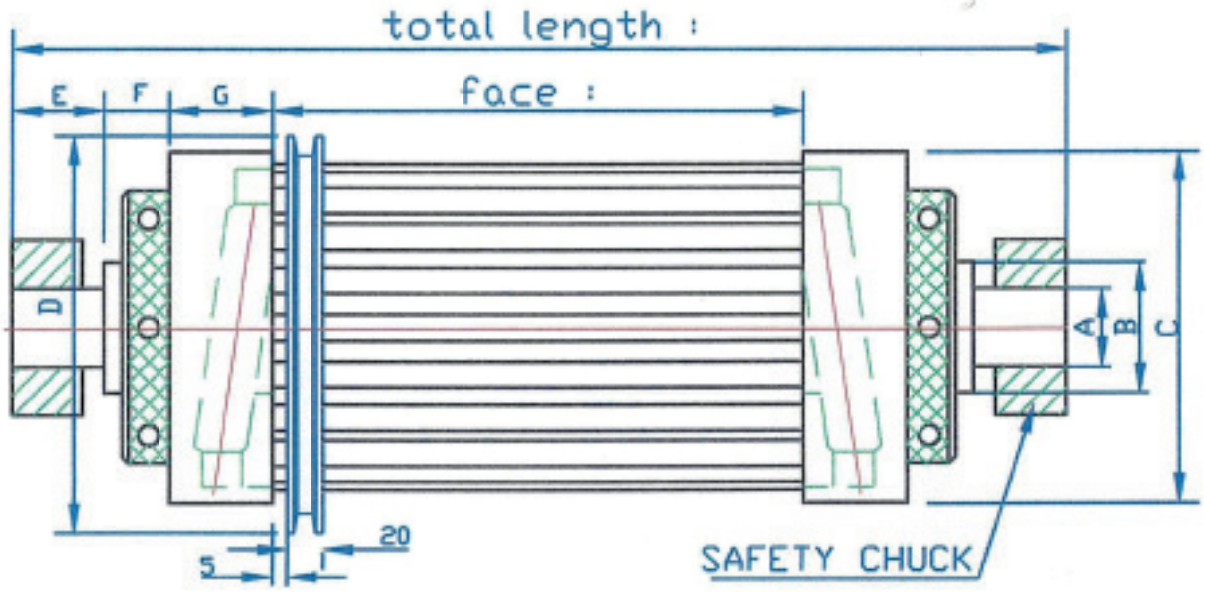
Ø	A	B	C	D	E	F	G	H
150	ø40 mini	ø65	ø165	ø200	40 mini	20	124	75
170	ø40 mini	ø65	ø190	ø220	40 mini	20	124	75
200	ø40 mini	ø65	ø218	ø250	40 mini	20	124	75

SPREADER ROLL WITH ROPES AND ANGULAR POSITION ADJUSTMENT

MBC Guttin

CUSTOMER : .....





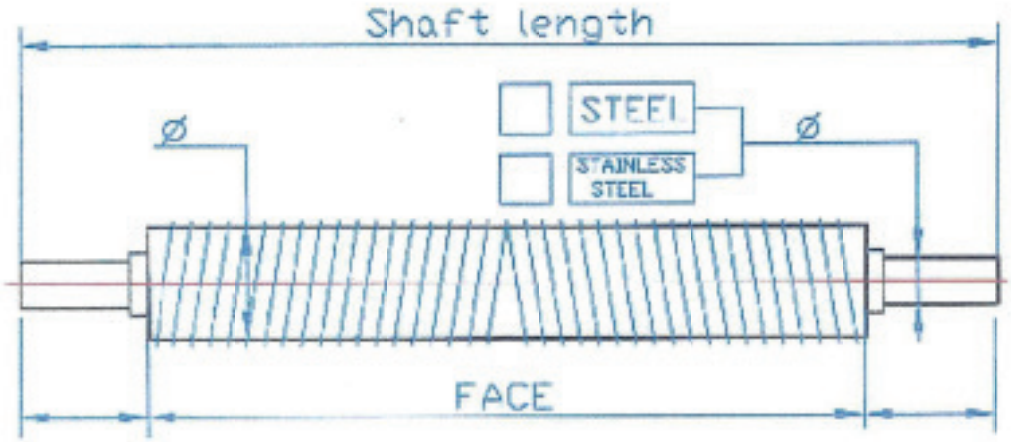
- ☐ Dry environment
- ☐ Wet environment
- ☐ Temperature : _____
- ☐ Speed : _____
- ☐ Tension : _____
- ☐ Chemical products : _____
- ☐ Motorized
- ☐ Angular position adjustment
- ☐ Heavy items
- ☐ Delicate items
- Web width : _____

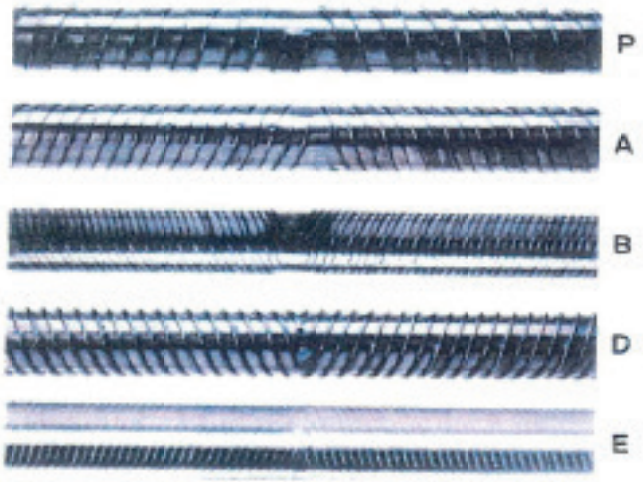
Ø	A	B	C	D	E	F	G
150	Ø40 mini	Ø65	Ø165	Ø200	35 mini	37	124
170	Ø40 mini	Ø65	Ø190	Ø220	35 mini	37	124
200	Ø40 mini	Ø65	Ø218	Ø250	35 mini	37	124

SPREADER ROLL WITH ROPES AND ANGULAR POSITION ADJUSTMENT

MBC Guttin

CUSTOMER : .....



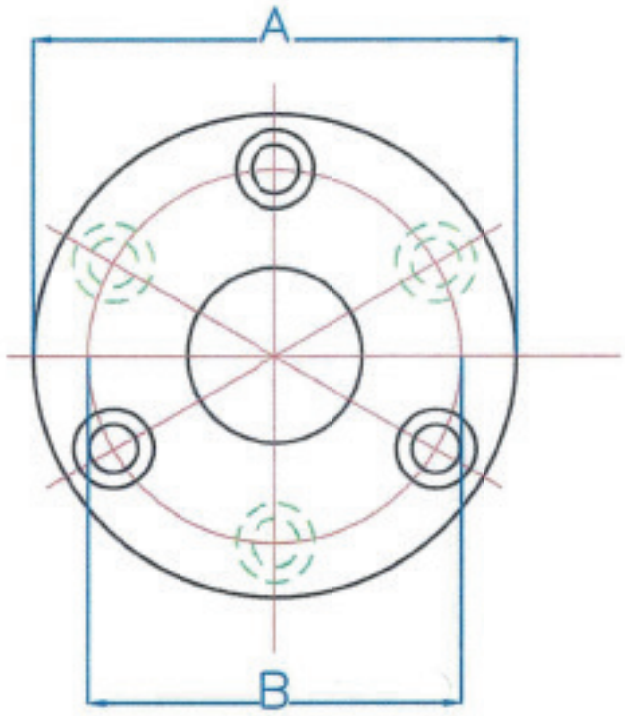


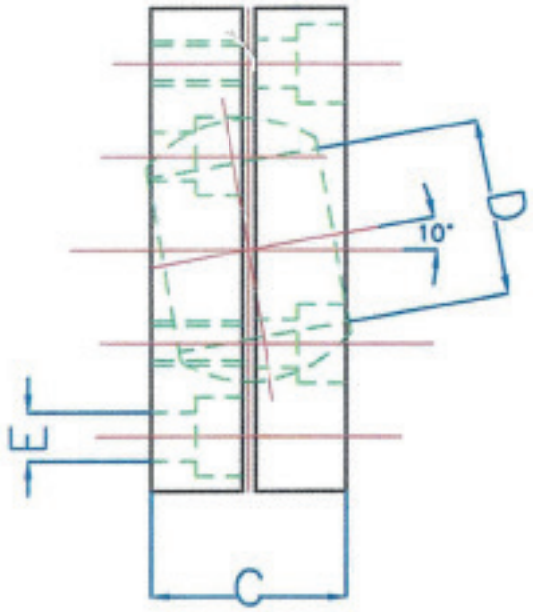
ARTICLE		FABRIC IN ROPE FORM	PLAITED FABRIC
KNITS	< 400 gr / m2	A	B
KNITS	> 400 gr / m2	A	A
WOVEN	< 600 gr / m2	A	B
WOVEN	> 600 gr / m2	P	A
DELICATE ARTICLES		D	D
PARTICULAR APPLICATIONS		E	E

SPREADER ROLL WITH SPIRAL

MBC
Guttin

CUSTOMER : .....





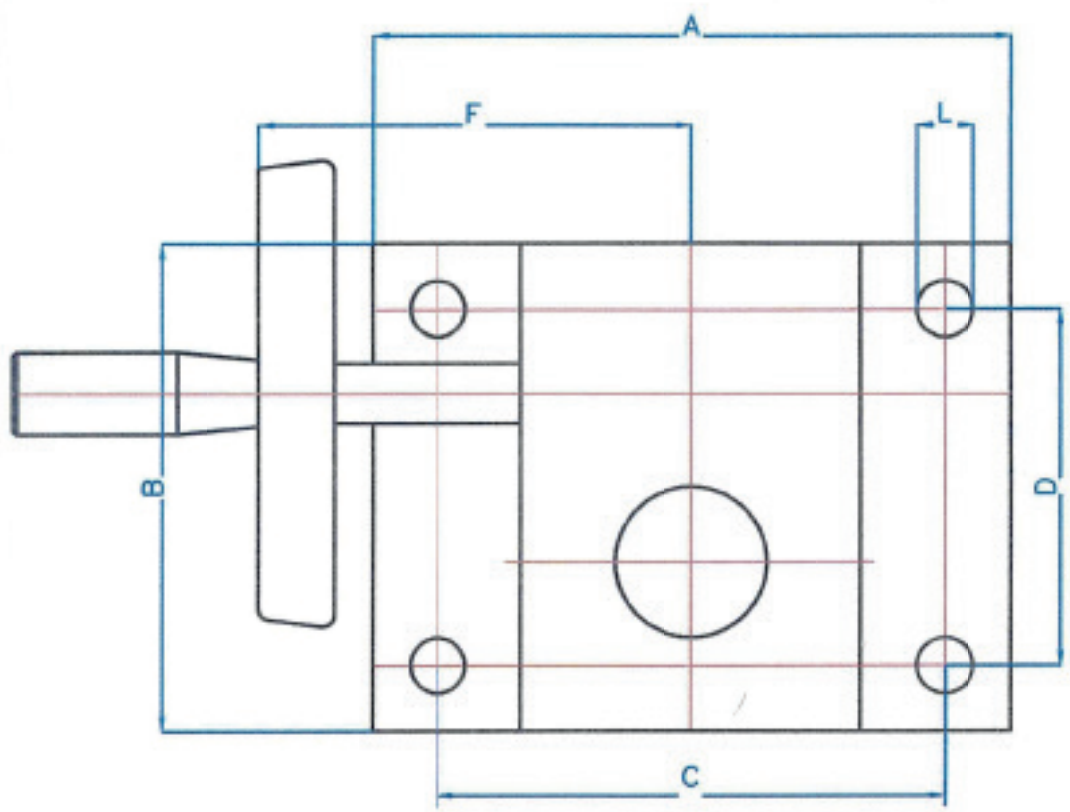
REF SUPPORT	A	B	C	D	E
SF 4	ø110	ø85	45	ø40	ø11
SF 5	ø135	ø105	60	ø50	ø13
SF 6	ø140	ø115	60	ø60	ø13
SF 8	ø180	ø145	100	ø80	ø17

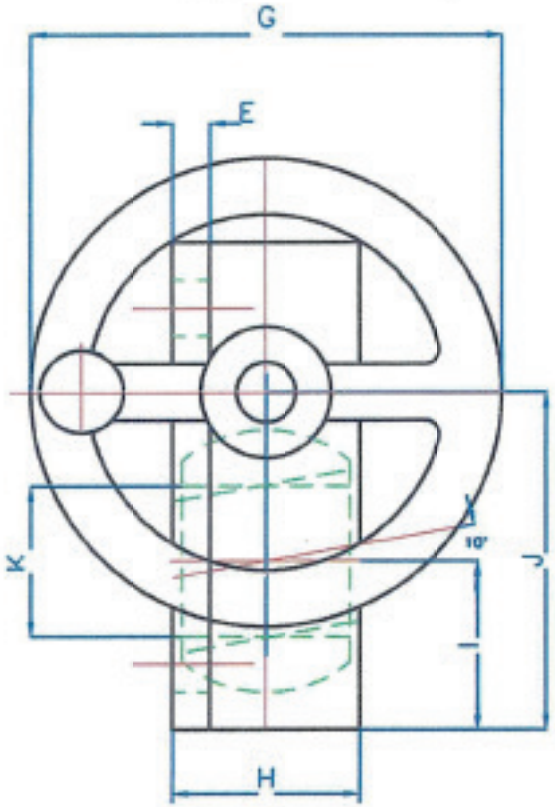
CURVED SPREADER ROLL

FLANGE–MOUNTED SUPPORT TYPE SF

CUSTOMER : .....

MBC Guttin





REF CHUCK	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

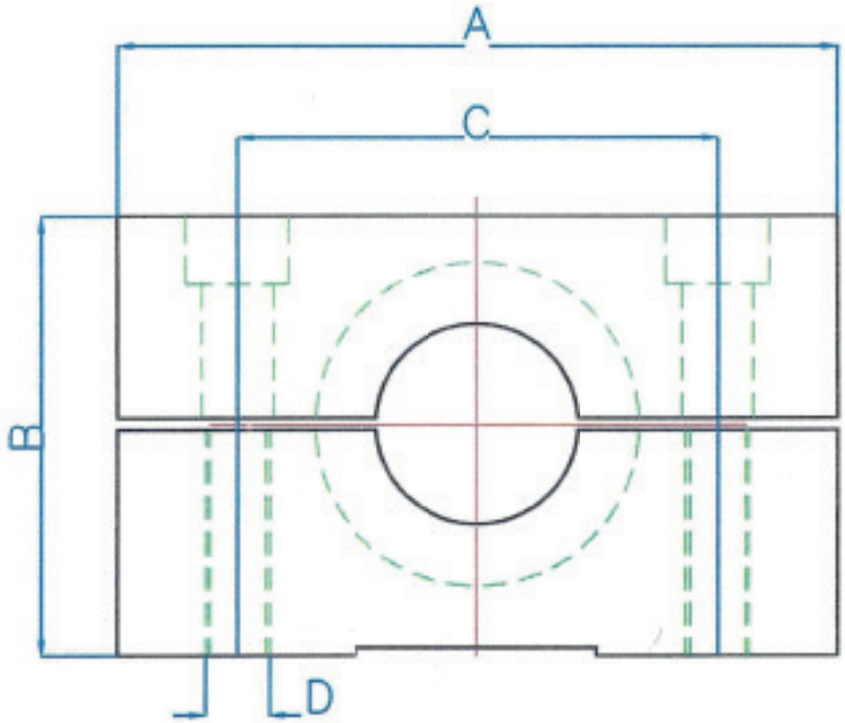
CURVED SPREADER ROLL

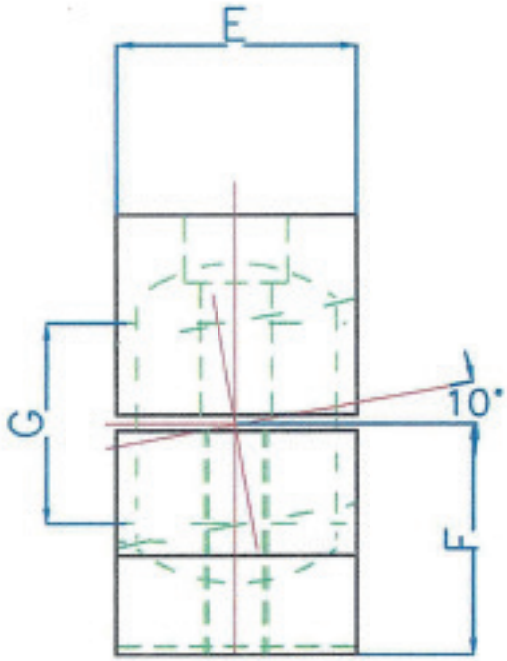
WITH FLANGE SUPPORT

AND REGULATION TYPE SRF

CUSTOMER : .....

MBC Guttin





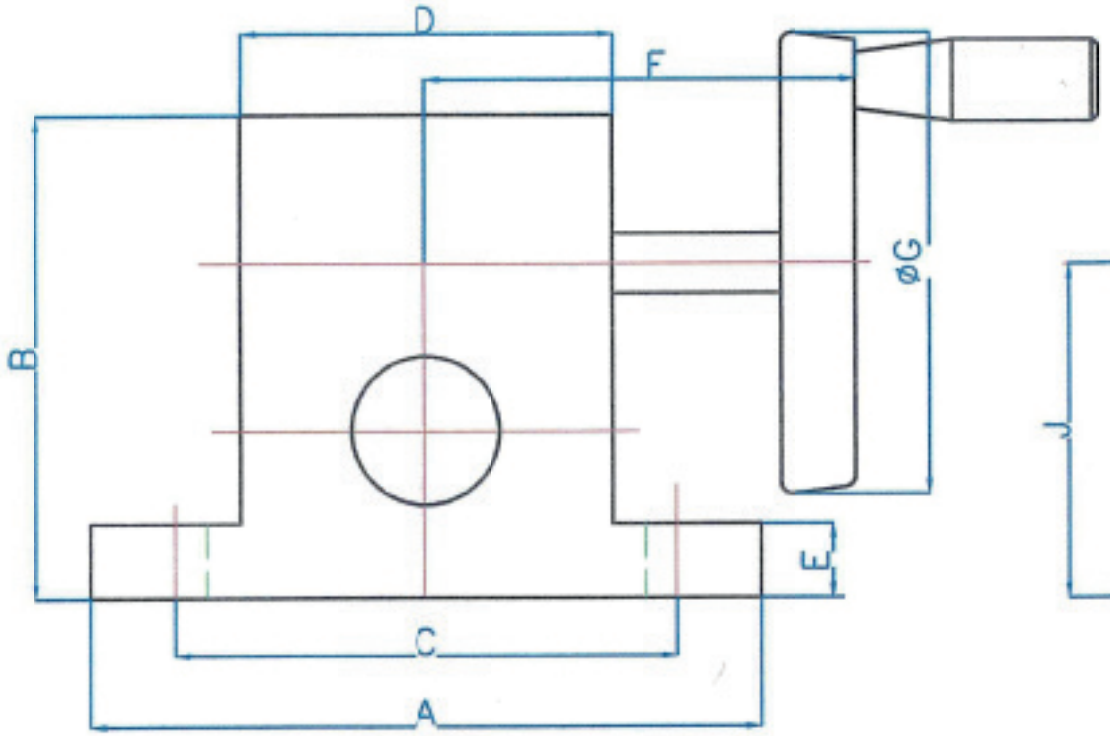
REF SUPPORT	A	B	C	D	E	F	G
SP 4	135	85	90	M14	45	45	ø40
SP 5	180	110	120	M16	60	58	ø50
SP 6	180	130	135	M16	60	68	ø60
SP 8	240	155	200	M16	90	80	ø80

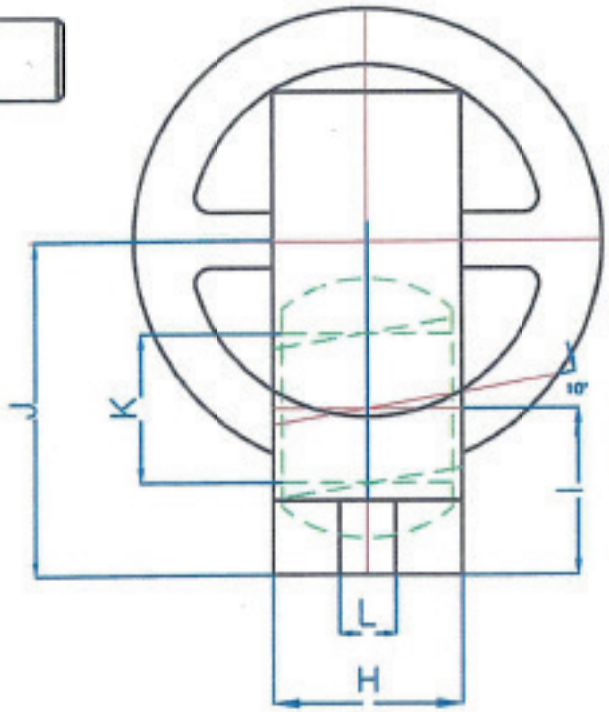
CURVED SPREADER ROLL

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

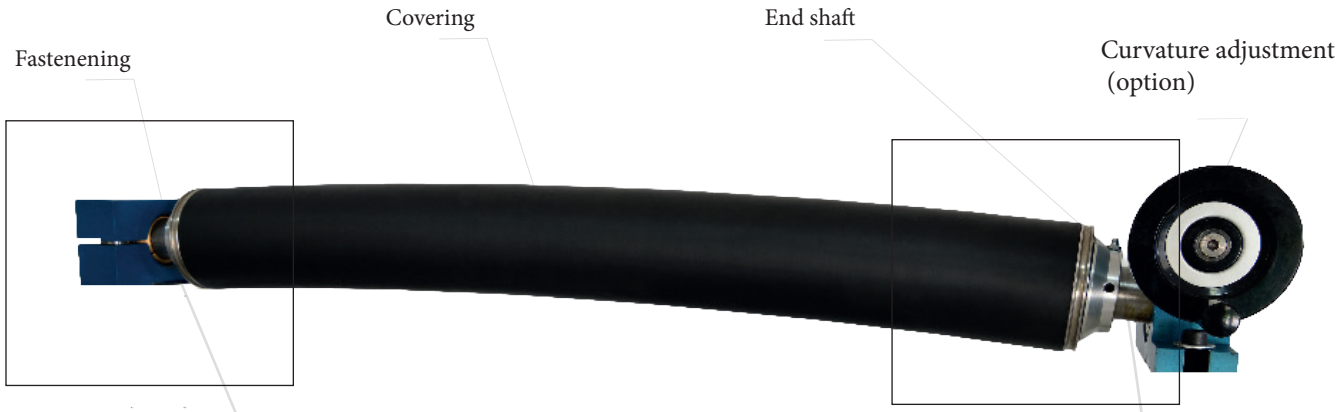
CUSTOMER : .....

MBC Guttin

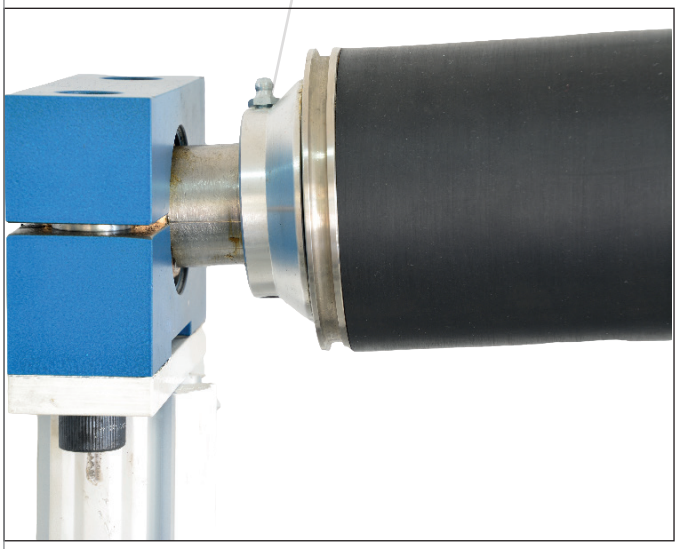
Maintenance & Spare Parts

Maintenance of a curved spreader roll or «Banana» roll

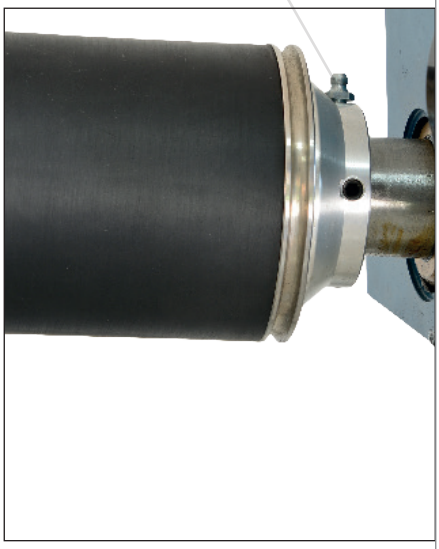
The maintenance of a curved spreader roll or banana roll is really easy. A simple lubrification is sufficient. Injected bearing grease in the right and left lubricators provided for that purpose.
(Lubricators n°1 and n°2 on the picture below).



Lubricator n°1



Lubricator n°2



Advice :
Premature and/or intensive coating wear? End shaft deterioration?
Ask to our sales representative ! We have solutions !

Additional Informations

How to install well a curved spreader roll ?

TECHNICAL NOTES ON CURVED SPREADER ROLLS

The curved spreader roll completely eliminates folds and to smooth out.

Notes for a correct assembly :

To get a good expanding effect, it is necessary above all that the curved spreader roll is perfectly perpendicular to the direction of movement fabric.

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

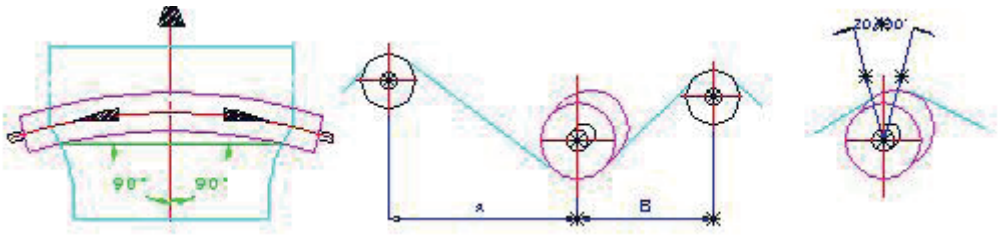
It is advisable to adapt a length «B» which does not exceed two or three times the diameter of the curved roll.

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 eigth times the diameter of the spreader roll.

The entrance and exit angles are normally equal.

How to get the expanding effect desired :



The expanding power depends primarily on the following factors :

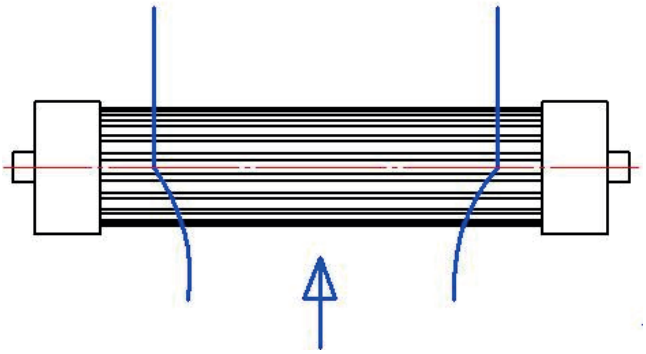
1°) – Curvature of the roll : by increasing the curvature, is obtained an expansding effect more important.

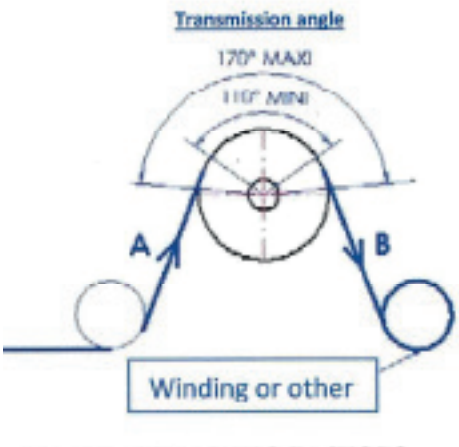
2°) – Winding angle on the curved roll: by increasing the winding angle, increase the expanding effect. In addition, if the convex side of the curved roll turns in the direction of the fabric, reducing the angle entrance (1), you get a larger expanding effect concentrated on the edges on the material.

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

How to install well 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 mut be perfectly perpendicular to the direction of the product.
- The spreader roll must be well positionned in relation to its widening range 180°
- It is advisable to adapt the length «B» as close as possible to the winding or other, which does not exceed 2 to 3 times the diameter.
- For the distance «A» the optimal value is between 4 to 8 times the diameter, the input and output angle are normally equal.

MAJOR EXPANDING FACTORS

- The transmission angle
- Product inlet and outlet position cylinder to the 180° cylinder widening range.

Concerned Products :

Spreader roll with laths

Spreader roll with ropes

NOTES

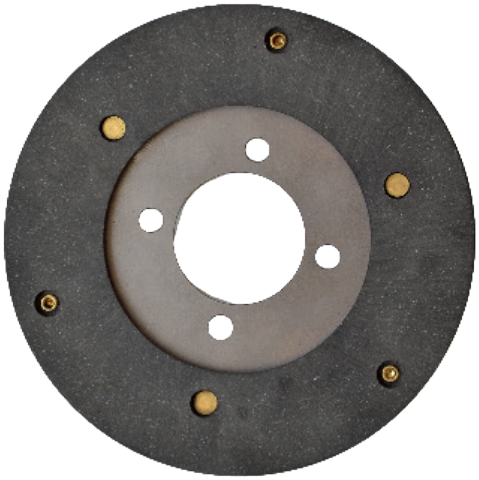
VII. Brake

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.

Do you need more precision? We have y pneumatic and electric multi-piston brakes too. Please do not hesitate to contact us !



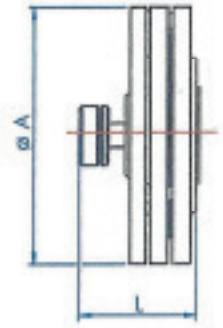
LAYOUT PLAN

- Brakes -

Pneumatic brakes single disc

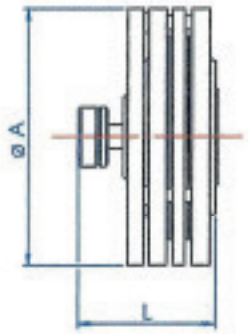
Pneumatic brakes double disc

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

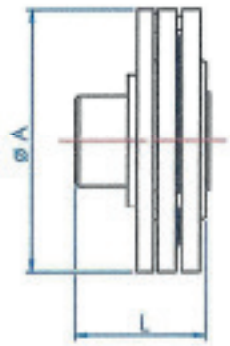
B.D.M : Dual disc manually controlled

MBC Guttin

Pneumatic brakes single disc

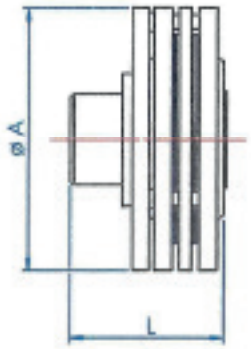
Pneumatic brakes double disc

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

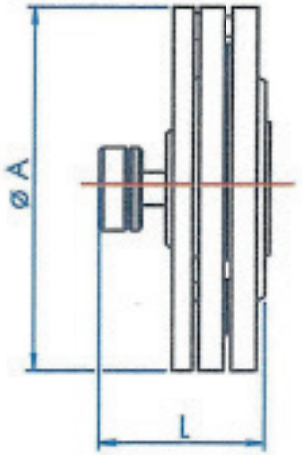
MBC PNEUMATIC BRAKE

M.D.P : single disc pneumatically controlled

B.D.P : dual disc pneumatically controlled

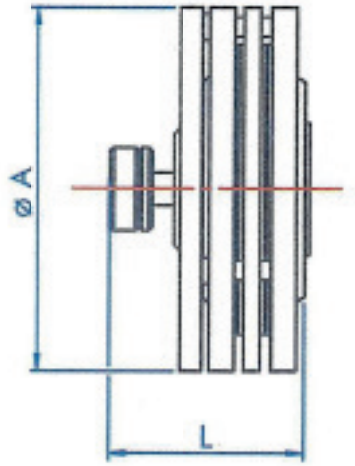
MBC Guttin

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

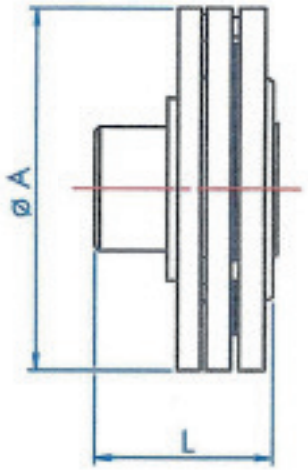
MBC MANUAL BRAKE

MBC Guttin

M.D.M : Single disc manually controlled

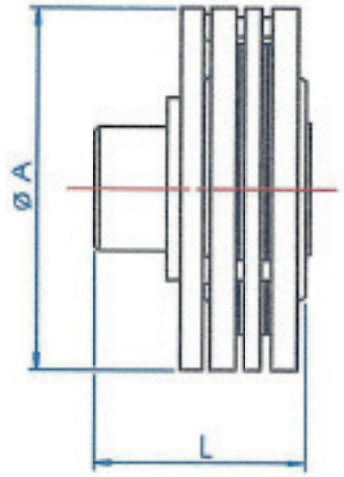
B.D.M : Dual disc manually controlled

SINGLE DISC



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

DUAL DISC



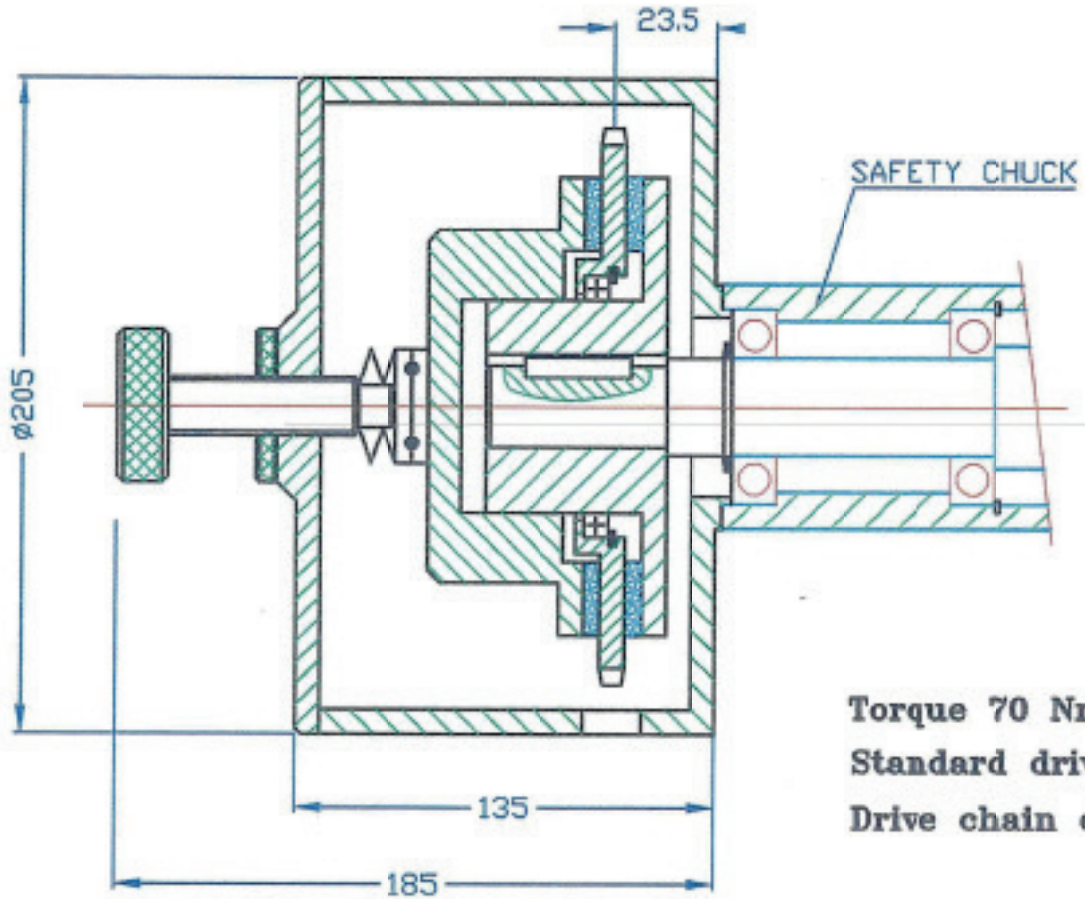
POWER	øA	L
90 Nm	145	145
180 Nm	220	145
900 Nm	300	145

MBC PNEUMATIC BRAKE

M.D.P : single disc pneumatically controlled

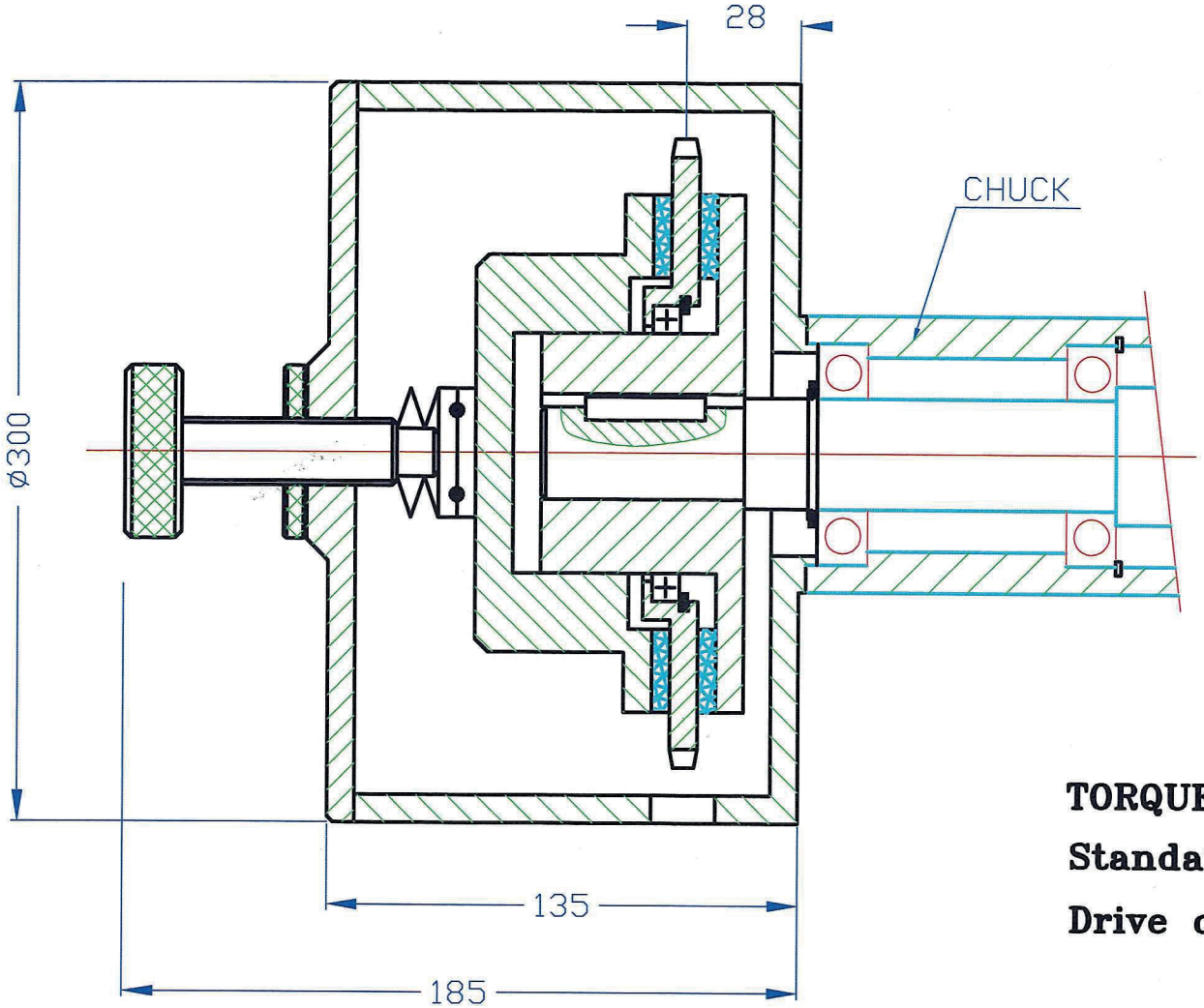
B.D.P : dual disc pneumatically controlled

MBC Guttin



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

SAFETY CHUCK – AUTOMATIC LOCKING SYSTEM	MBC Guttin
MANUALLY ADJUSTED CLUTCH FOR	
SAFETY CHUCK 20/30–30/40–40/50	
REF : MDM/F 70 Nm	



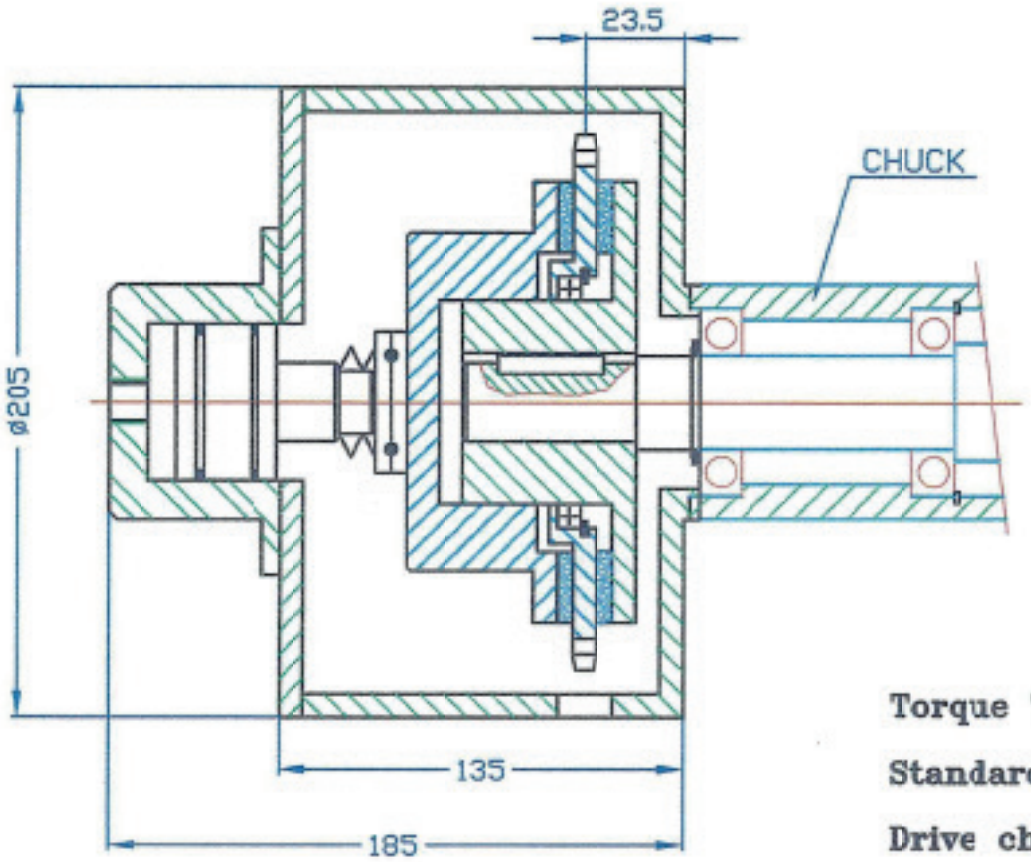
TORQUE 480 Nm

Standard drive wheel 1/2" 70 teeth

Drive chain exit : to be advised

SAFETY CHUCK WITH AUTOMATIC LOCKING SYSTEM
CLUTCH MANUAL ADJUSTMENT FOR
CHUCKS 20/30–30/40–40/50
REF : MDM/F 480 Nm

MBC Guttin



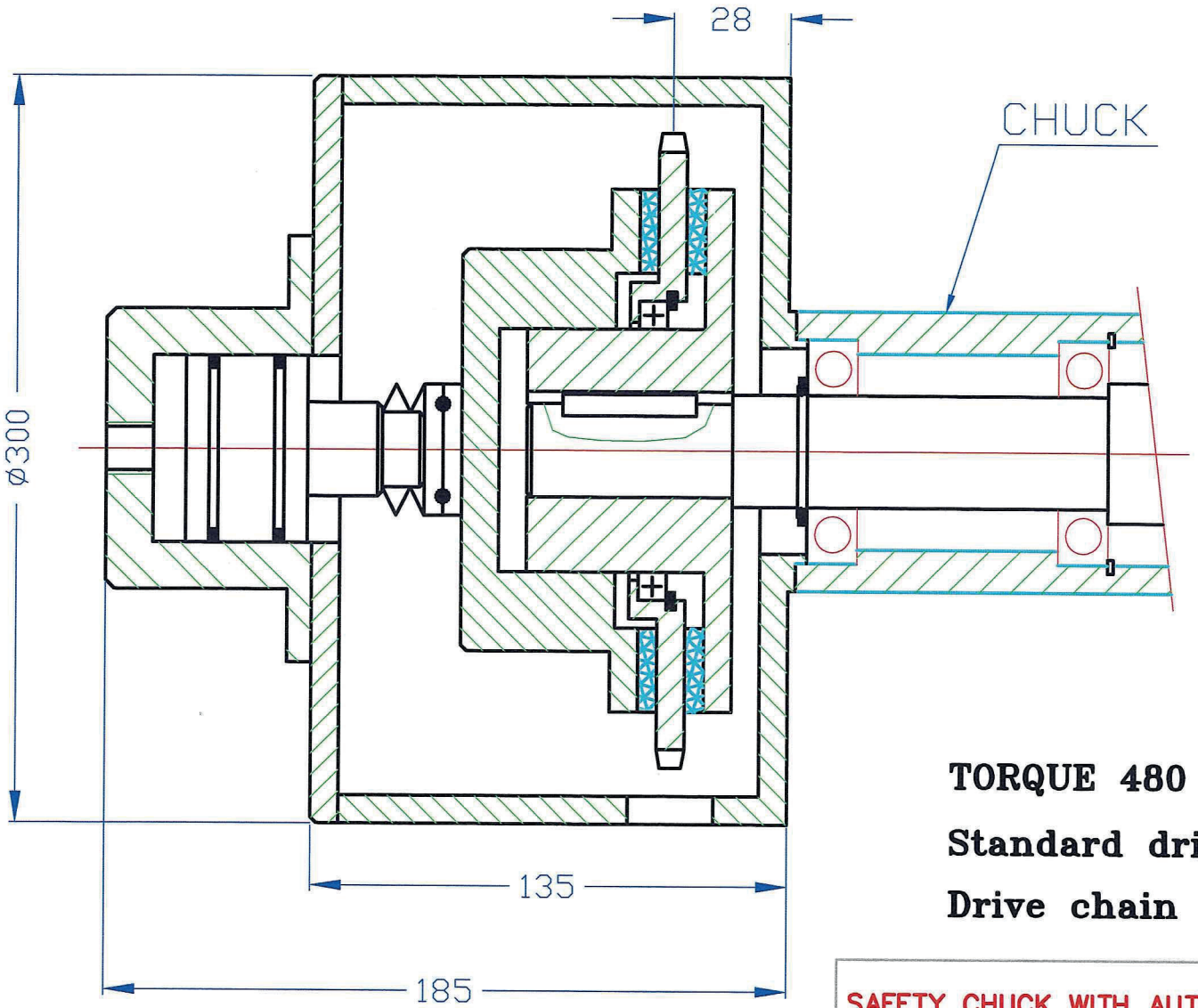
Torque 70 Nm

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

MBC Guttin



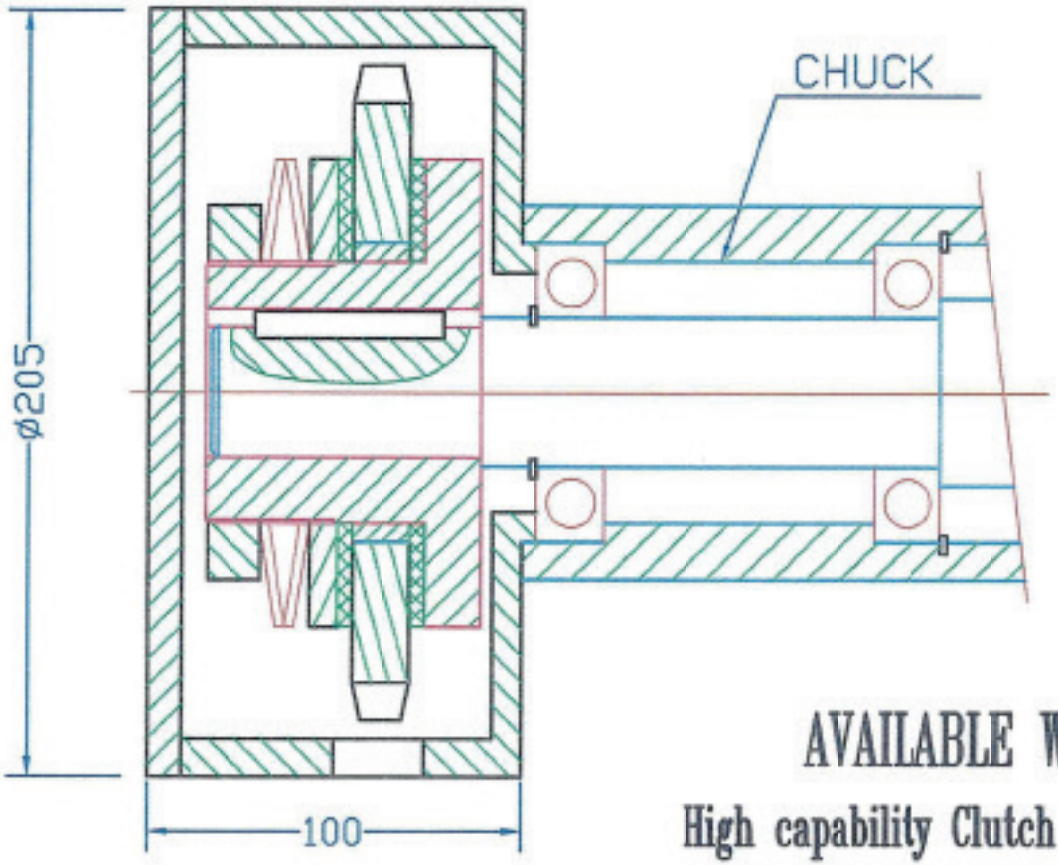
TORQUE 480 Nm

Standard drive wheel 1/2" 70 teeth

Drive chain exit : to be advised

SAFETY CHUCK WITH AUTOMATIC LOCKING SYSTEM
PNEUMATIC CLUTCH ADJUSTMENT FOR
SAFETY CHUCKS 20/30–30/40–40/50
REF : MDP/F 480 Nm

MBC
Guttin



Torque 70 Nm

Drive wheel 1/2" 40 teeth

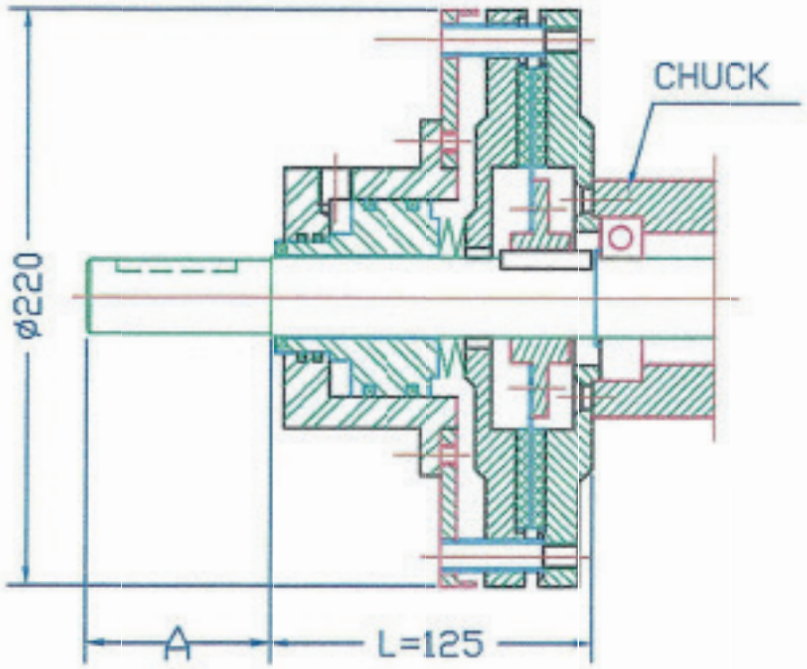
Drive chain exit : to be advised

AVAILABLE WITH

High capability Clutch System Torque 900 Nm

SAFETY CHUCK with AUTOMATIC LOCKING SYSTEM	MBC Guttin
MANUALLY ADJUSTED CLUCTH FOR	
SAFETY CHUCKS 20/30-30/40-40/50	
REF : MDM/F2 70 Nm	

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= + 20mm

Mark A = safety chuck standard MBC GUTTIN

SAFETY CHUCK with AUTOMATIC LOCKING SYSTEM	MBC Guttin
BRAKE MDP/G or BDP/G 70Nm	
FOR BRAKED MOTOR SHAFT	
SAFETY CHUCK 20/30--30/40--40/50	

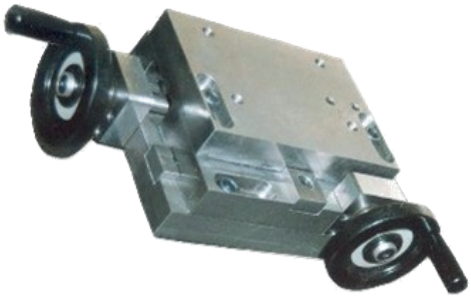
VIII. VARIOUS

Various

MBC offers you a range of accessories for the handling of your shaft and rolls, find 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

Various

Handling and storage solution

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

Reel riser and/or creation frame

Mechanic-pneumatic reel rise or mechanical

Reel manipulator

Execution of standard cores:
Passage of a horizontal and /or vertical position

- diameter 70 mm
- diameter 76 mm
- diameter 100 mm
- diameter 120 mm
- diameter 150 mm

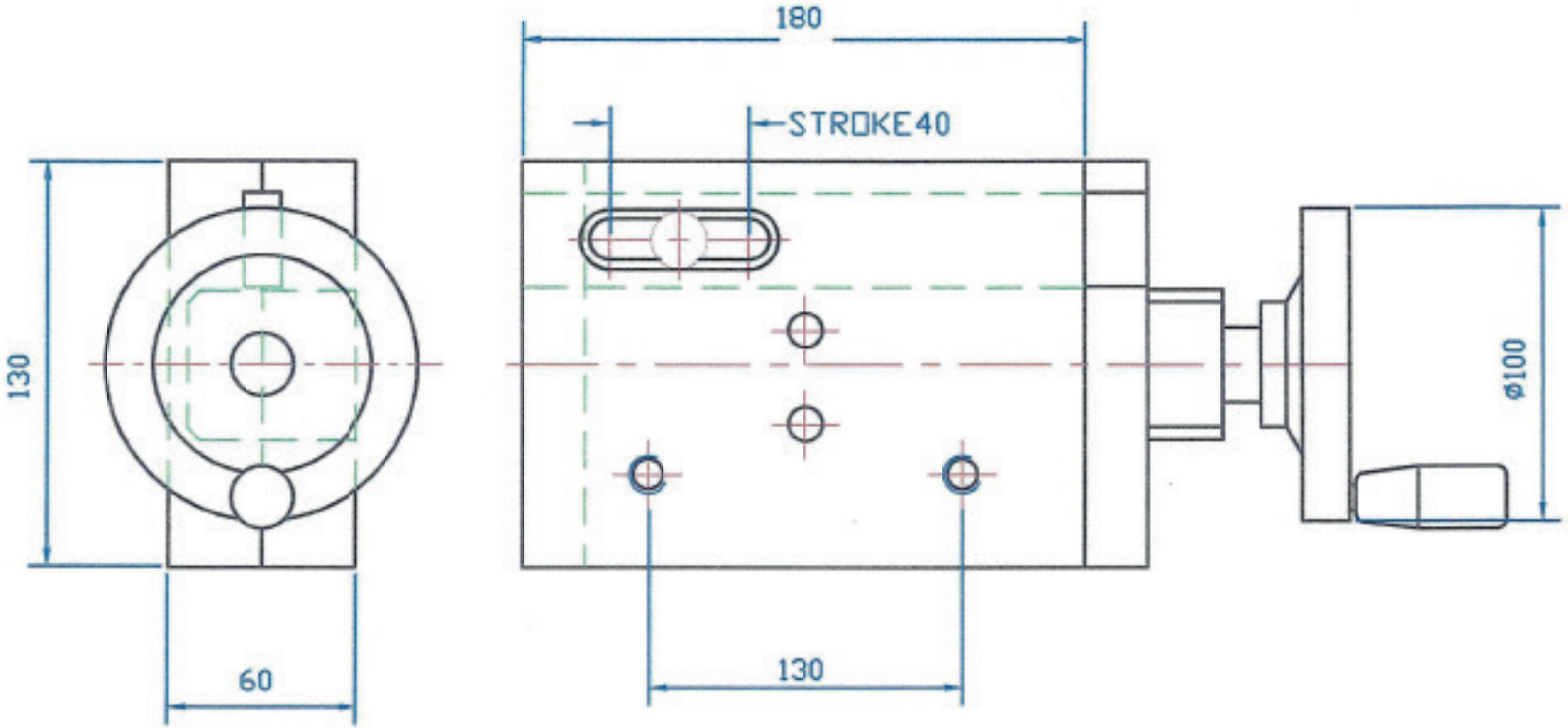
Shaft with bearing case for cantilevered unloading

Core in Fiberglass

Layout Plan

- Various -

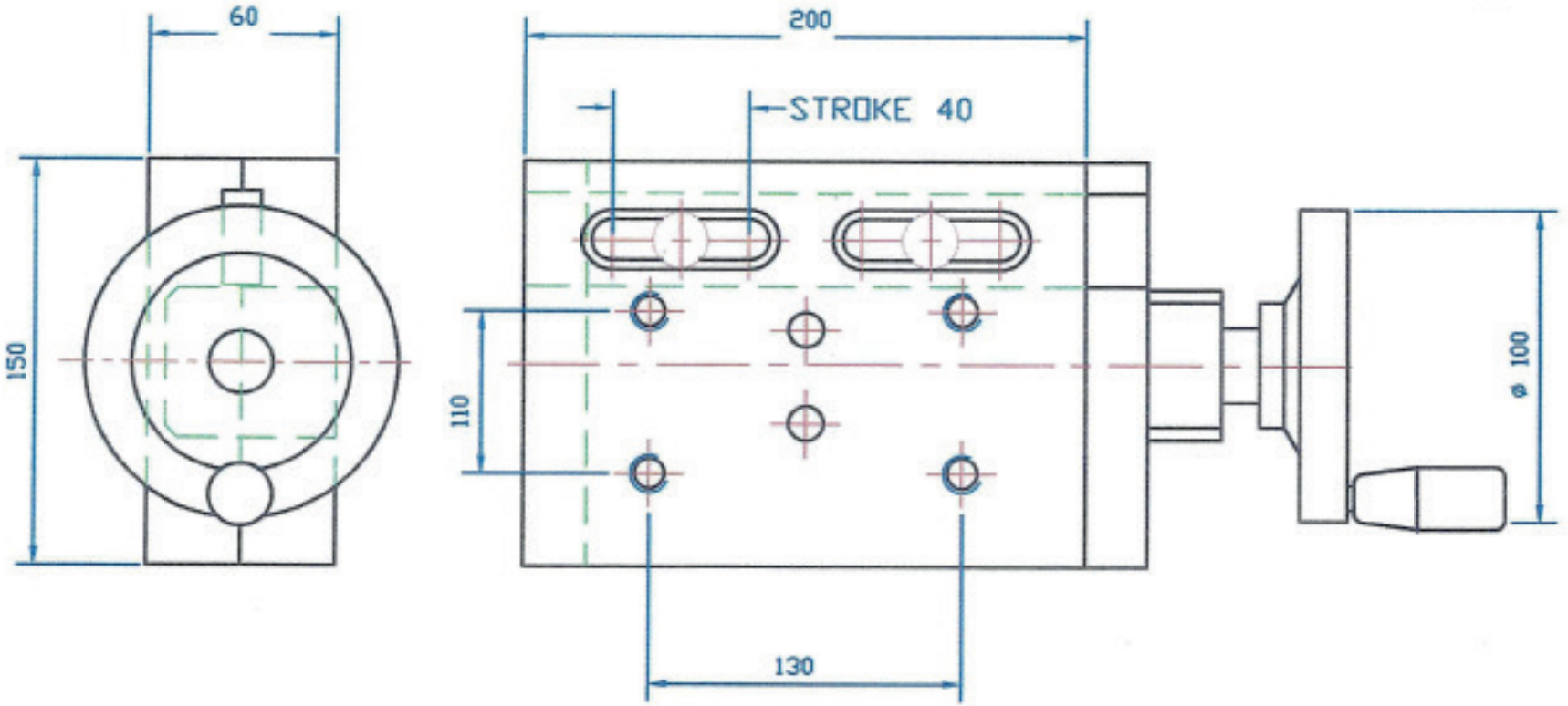
NOTES



SAFETY CHUCK with
AUTOMATIC LOCKING SYSTEM

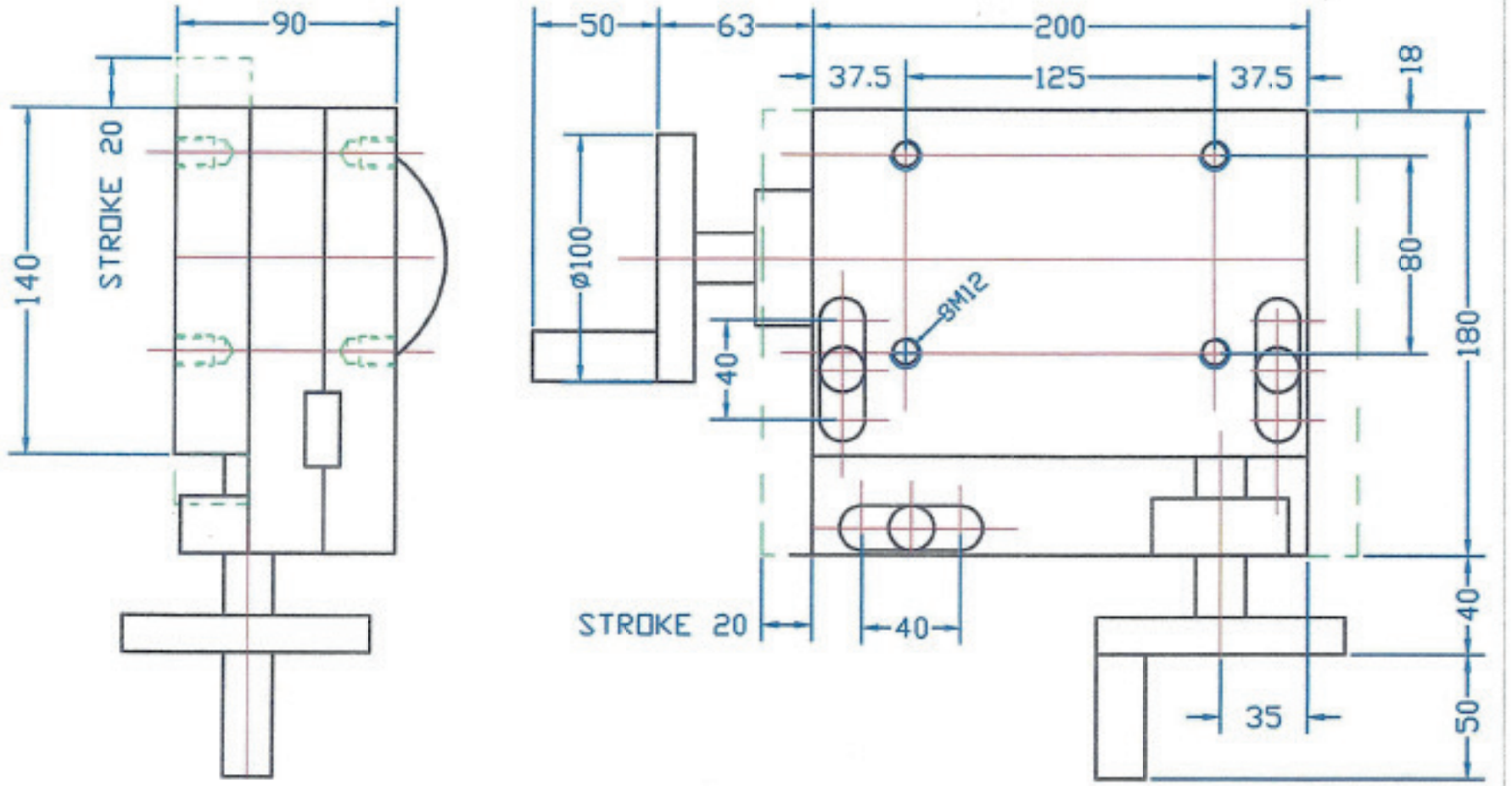
SUPPORT BASE with
RADIAL ADJUSTMENT

MBC
Guttin



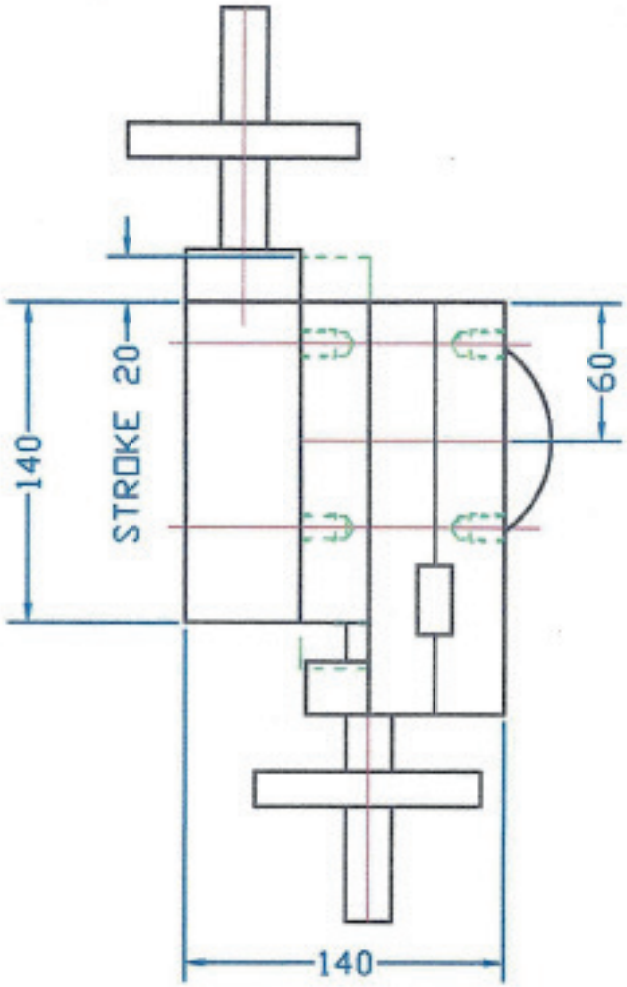
SAFETY CHUCK WITH
AUTOMATIC LOCKING SYSTEM
SUPPORT BASE WITH
RADIAL ADJUSTMENT

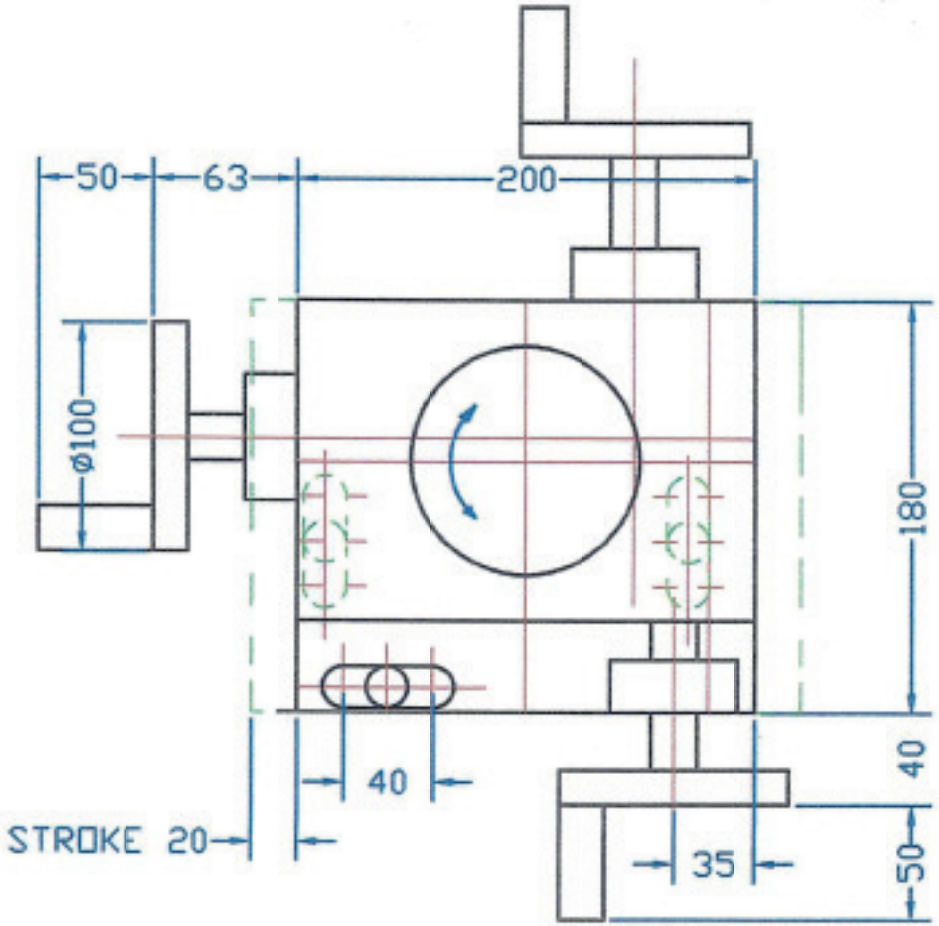
MBC
Guttin



SAFETY CHUCK with
AUTOMATIC LOCKING SYSTEM
SUPPORT BASE WITH AXIAL
AND RADIAL ADJUSTMENT

MBC
Guttin





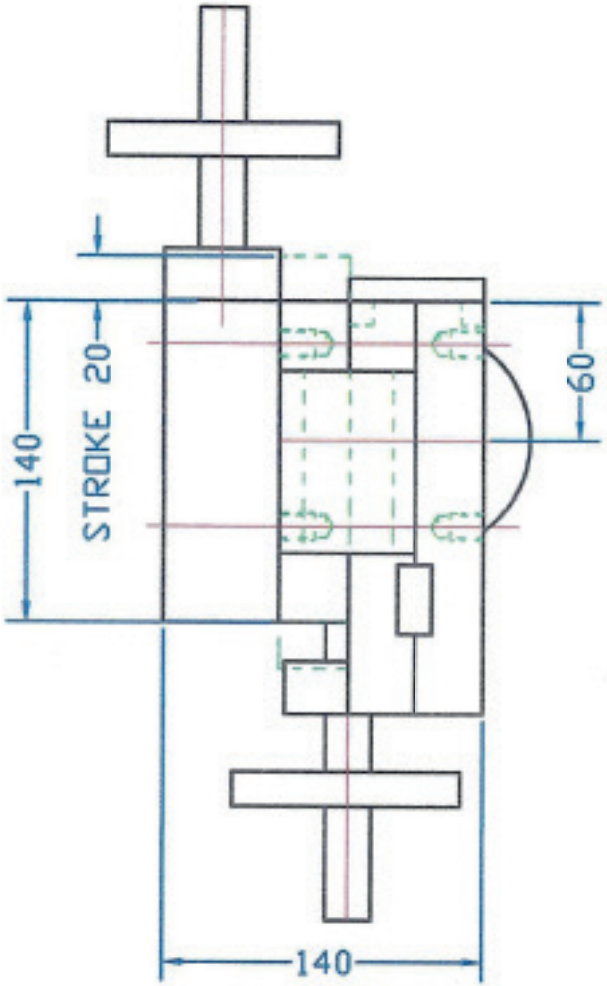
SAFETY CHUCK with AUTOMATIC LOCKING SYSTEM

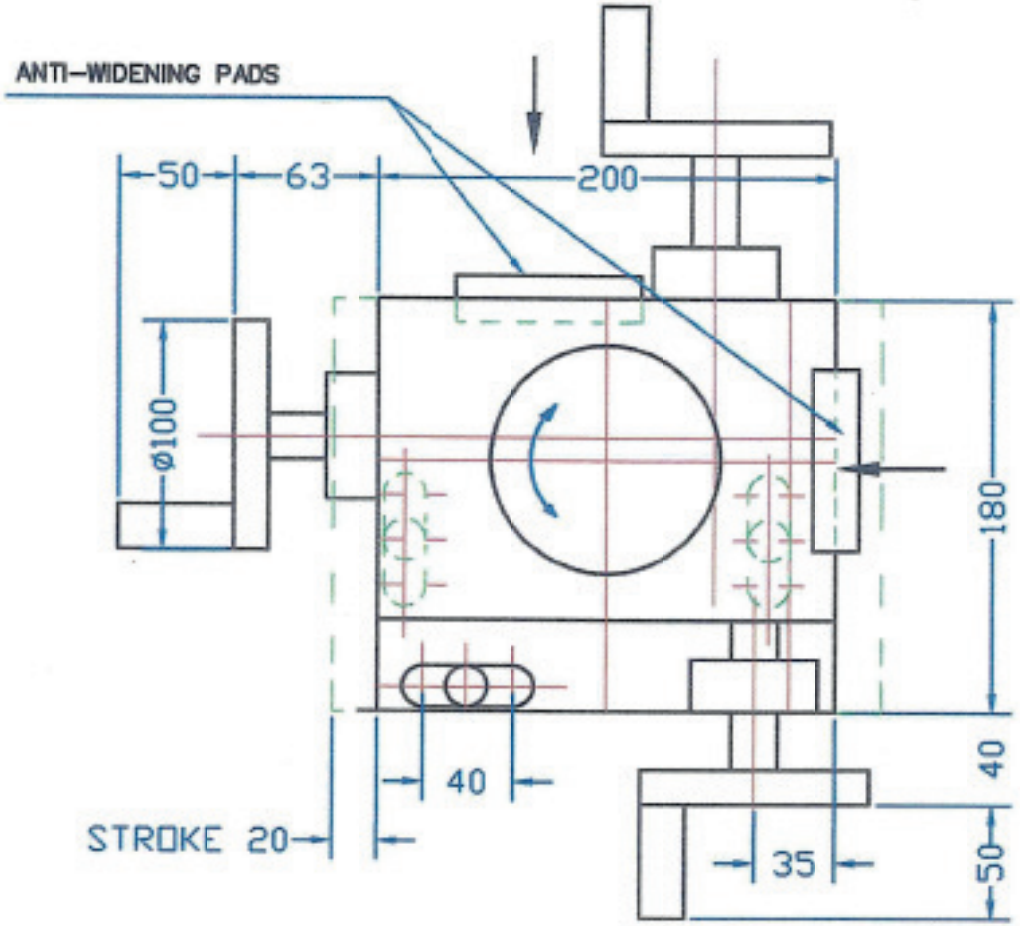
RADIAL AND AXIAL ADJUSTMENT

PIVOTING SUPPORT BASE FOR

HORIZONTAL POSITIONING

MBC Guttin





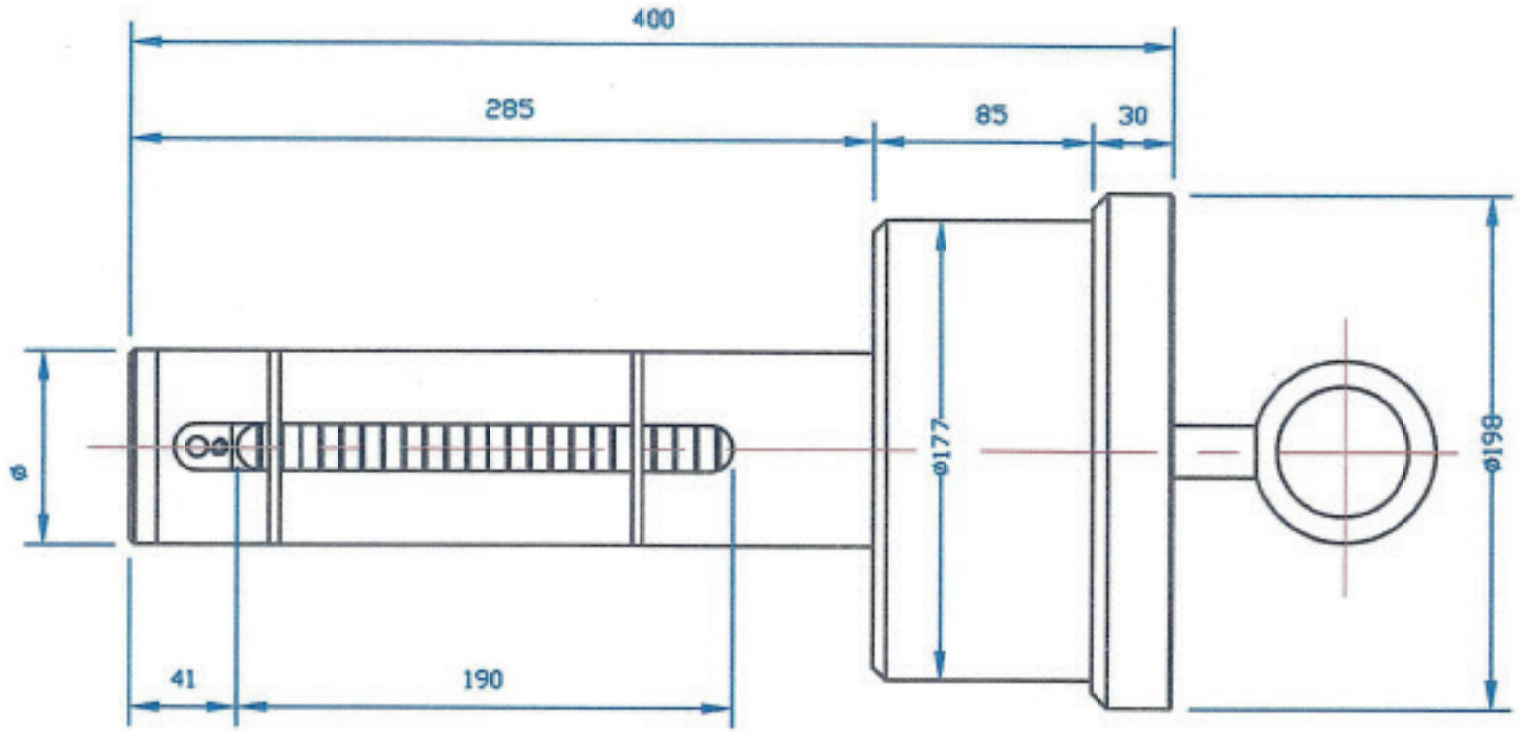
SAFETY CHUCK with AUTOMATIC LOCKING SYSTEM

RADIAL and AXIAL ADJUSTMENT

PIVOTING SUPPORT BASE FOR

VERTICAL POSITIONING

MBC Guttin



MANUFACTURING FOR STANDARD CORES ø70–ø76–ø100–ø120–ø150

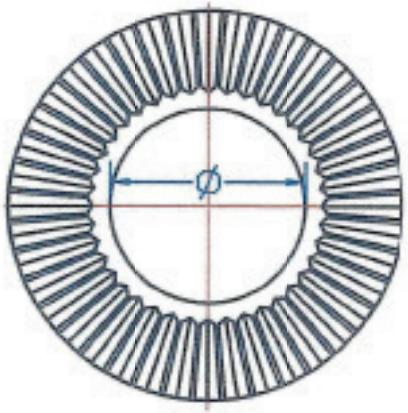
MBC REEL RISER

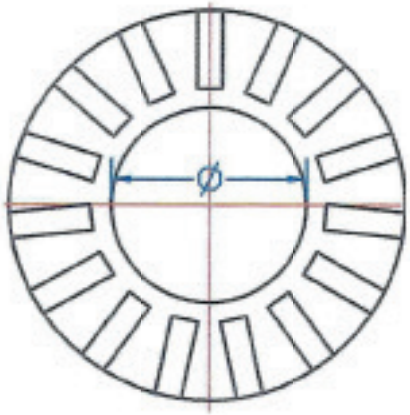
MECHANIC – PNEUMATICAL

CUSTOMER : .....

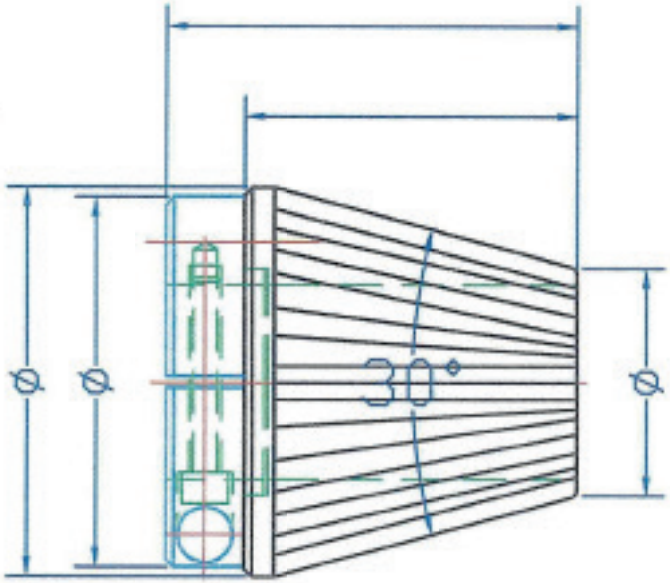
MBC Guttin

TOOTHED CONE

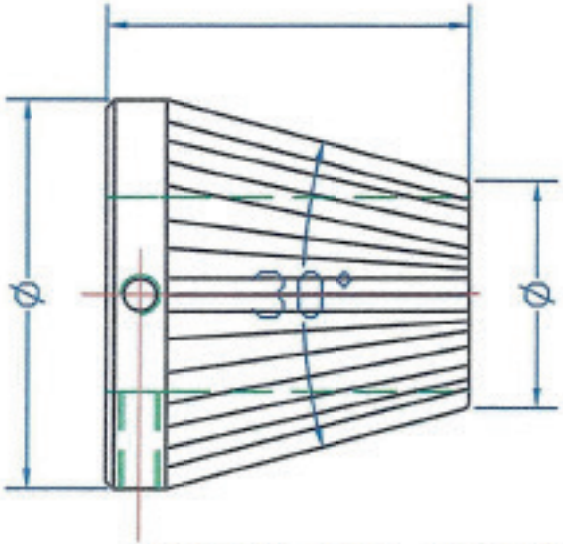




FACETED CONE



LOCKING WITH CLIPS



LOCKING WITH SCREWS

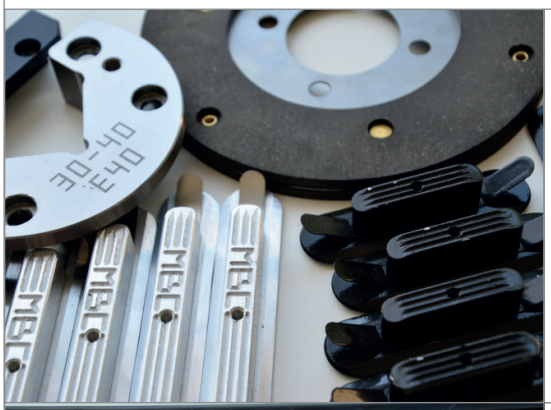
CORE INTERNAL ø	
SHAFT EXTERNAL ø	
LOCKING CONE IN ALUMINIUM	MBC Guttin
LOCKING WITH TEETH	
OR WITH FACETS	

Spare Parts

Find all the spare parts from our different product lines. Also, we provide the manufacture of custom-parts for your equipment or maintenance/repair services on all products on the world market.

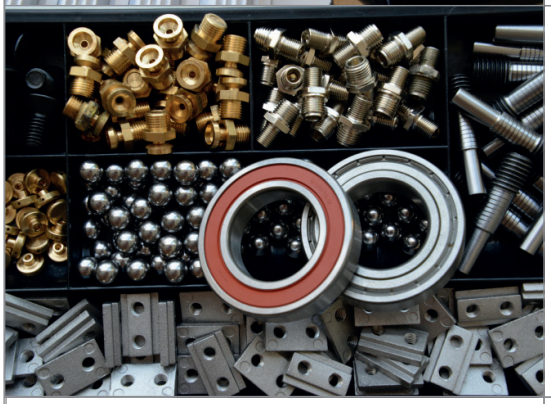
Wear Parts

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



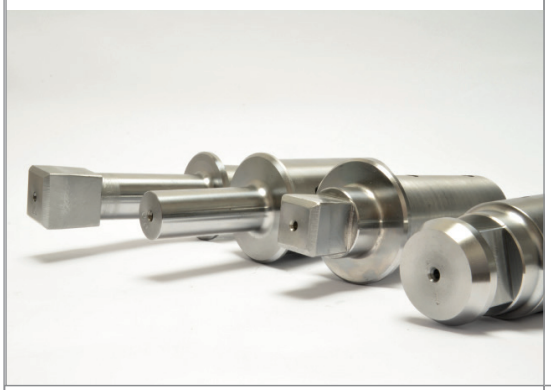
Wear parts :

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



Hardware:

- Valves
- Screw
- Axle
- Tabs
- Spring
- Locking ball
- Bearings



Reproduction of parts :

- Shaft reproduction
- End shaft repoduction

Accessories:

- Air gun
- End shaft for air gun

Maintenance / Repair service for all brands

MBC products can be installed in place of any installation.

It is not all the time necessary to change equipment.

This is why MBC Guttin offers you a repair service for both MBC equipment and competition equipment.

GLOBAL PRESENCE

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Aimé CHEGUT

Quality & Production Manager

Gérard REYNAUD

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GREAT BRITAIN

In progress

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