NARGESA®

SECTION BENDING MACHINES

MC400



WARRANTY 3 THREE YEARS

MADE IN SPAIN MADE IN

CE

AENOR
R&D&I MANAGEMENT
UNE 166002

50 years
manufacturing industrial machinery

HOW IT WORKS VIDEO

Video on how the machine works



GET A QUOTE

Please complete the following form. We'll contact you in less than 24 hours.
Business days

REQUEST ADJUSTED QUOTATION

SOME OF OUR CUSTOMERS

Our customer's endorsement is our best business card

Talgo · AIRBUS · NISSAN · TOYOTA · American Chopper · Gestamp · Schneider Electric · Red Beard's Garage · equinor

CERTIFICATES AND ACCREDITATIONS

Some of the certificates that support our processes and benefit our customers

AENOR
R&D&I MANAGEMENT
UNE 166002

INNOVATIVE SME
Valid until May 31st 2026
GOBIERNO DE ESPAÑA · MINISTERIO DE CIENCIA E INNOVACIÓN

CONCESSION OF AUTHORIZED EXPORTER AUTHORIZATION
ESEAOR23000312

TECHNICAL FEATURES

Bending Machine MC400 NARGESA is made of steel, it has got three traction rollers, pinion transmissions, treated and rectified axis. Maximum capacity for bending round pipe: 2" 1/2 inches or 63,5 mm.

> Diameter of axes: 40 mm.

> Useful axes length: 74 mm.

> Center distance between lower axes: 286 mm.

> Maximum capacity for bending round pipe: 2-1/2 inch or 63.5 mm.

> Bending regulation by means of the upper axis which permits to make bending operations in big pipes and profiles diameters without any distortion.

> Diameter of rollers: 130 mm.

> It's equipped with 9 standard rollers and washers by means of which you can make all kinds of profiles.

> Millimeter scales to know the rollers position.

> Vertical and Horizontal working position in the same table.

> Side corrector rollers to rule the bending operation and make spiral bending.

> Motor Power: 1,1 KW / 1,5 HP.

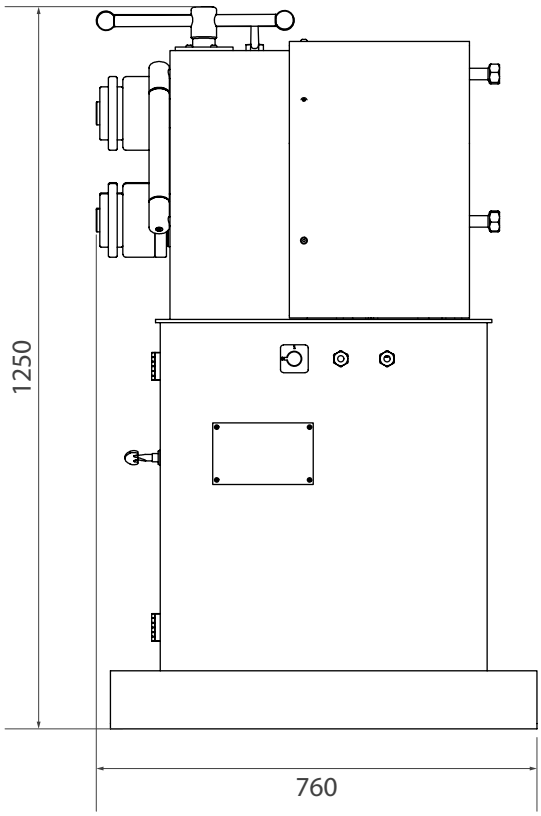
> Voltage supply: 3 phased 230/400 V.

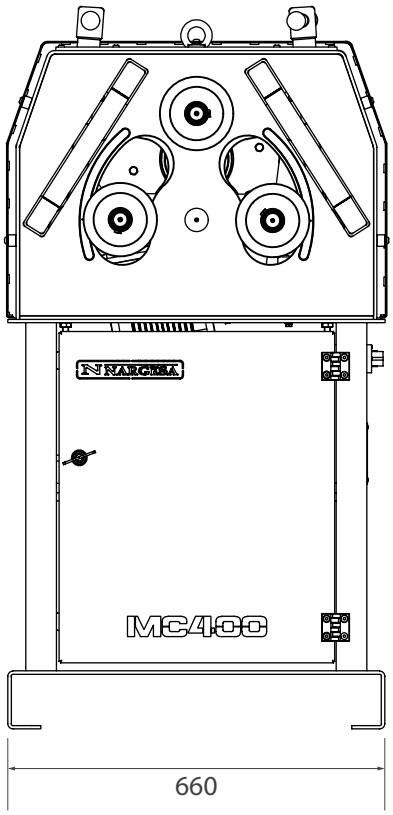
> For single phased machines, request quotation.

> Rollers speed: 7 RPM.

** All or products are manufactured in our facilities in Spain. The hydraulic and electrical components are all standard from the best leading European trademarks, with technical assistance all over the world: Rexroth, Bosch, Roquet, Schneider Electric, LG, Telemecanique, Pizzato etc...*

OUTSIDE DIMENSIONS





PACKAGING CHARACTERISTICS

- Tariff Item Code: 84622990
- Lower bench palletized to easily transport the machine to the workplace or store it in case of lacking space.
- The machine is shipped fully assembled.
- Pallet made of steel and 3 layer cardboard box suitable for seafreight.
- Optional: Fumigated wooden box NIMF15.

MC400

Width	650 mm
Depth	740 mm
Height	1360 mm.
Volume	0,65 m^3
Net Weight	365 Kg.
Gross Weight	380 Kg.

BENDING CAPACITY

The dimensions shown in the following table are provided for guidance only; they are directly related to the hardness and quality of the pipe or profile.






	MC150B		MC200		MC400		MC200H	
Profile	Dim.	Min. radius	Dim.	Min. radius	Dim.	Min. radius	Dim.	Min. radius
	50x10	300	50x10	300	50x10	250	60x10	200
	60x20	200	80x20	150	80x20	150	80x20	150
	25x25	200	30x30	200	30x30	150	30x30	150
	50x50x3 40x40x3	700 350	50x50x3 40x40x3	600 300	50x50x3 40x40x3	600 300	50x50x3 40x40x3	450 300
	40	200	40	200	40	150	40	200
	40	250	40	250	40	200	40	250
	40	300	40	300	40	250	40	250
	50	200	60	300	60	225	60	225
	50	250	60	300	60	225	60	225
	40	500	40	420	40	200	40	300
	25	180	30	150	30	150	30	150
	50,8x3* =2"x3* 40x2*	600 600 300	63,5x3* =2" 1/2x3* 40x2*	500 500 250	63,5x3* =2" 1/2x3* 40x2*	450 450 200	63,5x3* =2" 1/2x3* 40x2*	450 450 200

* *Optional rollers*



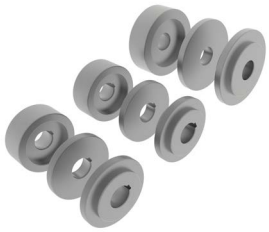


	MC550 · MC550CNC		MC650 · MC650CNC	
Profile	Dimensions	Min. radius	Dimensions	Min. radius
	60x15 60x8 50x15 50x10 40x8 30x5 25x5	400 200 350 175 150 110 105	100x15 80x20 60x15 50x15 20x10 ●	1250 450 300 155 140
	100x20 80x20 80x15	250 200 180	120x20 100x25 80x20	250 350 200
	35x35 30x30 25x25 20x20 15x15	400 200 175 150 150	45x45 40x40 25x25 ● 20x20 ●	300 280 200 150
	60x60x3 50x50x3 35x35x3	800 600 200	70x70x4 60x60x3 40x40x3	750 750 300
	70x30x3 60x30x3 50x30x3	500 400 250	80x40x3 60x30x3 50x30x3	500 300 250
	60x60x7 50x50x6 40x40x5	300 250 200	80* 70 60 40	500 400 200 150
	60x60x7 50x50x6 40x40x5	500 400 300	80* 60 40	500 400 150
	60x60x7 50x50x6 40x40x5	350 300 250	60x8 40x6	450 250
	40x20x5 60x30x6 80x45x6	160 200 400	120* 100* 80	600 600 350
	80x45x6 60x30x6 40x20x5	600 250 200	120* 100* 80	700 700 400
	50x5 40x5	550 400	70x7 60x5 50x5 40x4	600 400 300 250
	50x5* 40x4*	750 500	50x5* 40x4*	750 500
	40 35 30 20	300 250 200 130	50 40 25	300 200 175
	76,2x3* (3"x3) 40x2 20x2	500 180 100	101,6x3,5* (=4"x3) 100x3* 88,9x4* (=3"SCH) 35x2* 20x1,5*	500 500 700 120 115

* *Optional rollers* ● *Consult with manufacturer*

STANDARD ACCESSORIES DELIVERED WITH THE MACHINE

Standard rollers MC400



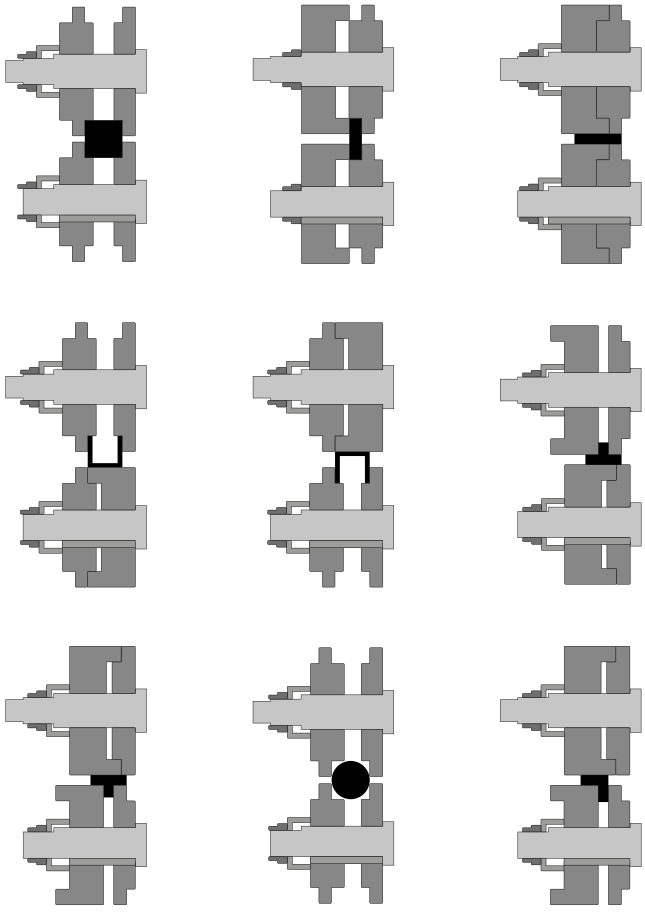
It's equipped with 9 standard pieces, by means of which the user can work all kinds of profiles. Square, rectangular pipe, solid round and square bars.
U Profile, T profile, angle, flat bar, edged flat bar...



Adjustable rollers. The user may combine the set up position and it will allow bending the different profiles, adapting the sizes.

Steel rollers F1140 treated and rectified.

Assembling of the rollers PDF



OPTIONAL ACCESSORIES

High precision digital radius gauge



REF: 140-MED08-00001

The **High precision digital radius gauge** allows the user to have a direct and immediate reading of inner and outer radius in a range from 55 to 11.250 millimeters or from 2" to 443" inches.

The High precision digital radius gauge measures radii in spherical objects such as tubes, profiles and pipes in a quick and accurate way.

It is really fast and easy to use! It indicates the inner or outer radius of the part we are bending ***without removing it from the machine and without needing to previously draw and cut a guide template.***

This Digital arc meter allows the direct and immediate reading of the values of the inner or outer radius in a wide range of bends.

> **Comfort:** No need to prepare and cut a template to know the radius of a bend, it is not necessary to remove the part from the machine to measure it either. The digital radius gauge makes the job quicker and easier.
> **Easy to use:** Its use is simple and the measurement process is very fast. We only have to place the digital radius gauge on the internal or external part of the curve and it will automatically show the value.
> **Multi-material:** This tool is suitable for any kind of solid and consistent materials like steel, wood or plastic shapes.
> **High precision:** Its error tolerance over the radius is 0,01mm. Precision will depend on the surface quality of the material to measure.
> **Application scope:** This digital radius gauge is supplied with three different high precision arc meters. The use of either one or other arch meter offers a measurement range swinging from 55 to 11.250 millimeters and from 2" to 443" inches.
> **LCD digital screen:** Comfortable reading of all data and low power consumption.
> **Practical:** It is small and light, we can easily use it for different measurements. It is comfortable, reliable and long lasting.
> **Storage:** We deliver it inside a stainless briefcase, with an inner foam protection to keep it safe and protect the arc meter when it is not in use. It is comfortable to carry and shock-resistant.
> **Two units of measure:** We can select either millimeters or inches just by pressing a button.
> **Perfect for wide radii:** Unlike other manufacturers, the High Precision Arc Meter Nargesa can measure radii up to 12m with maximum precision. For bigger radii, please consult the manufacturer.
> **Ideal for smaller radii:** The great touch sensor length allows its use even when the inner radius to measure is very tiny.

TECHNICAL SPECIFICATIONS

> Measurement scope: From 55 to 11.250 millimeters or from 2" to 443" Inches.
> Error tolerance over the touch sensor: $\Delta L = 0.02mm$
> Error tolerance over the radius: $\Delta R = (0.01*R)mm$
> Power supply: 3V CR2032 Lithium battery
> Working temperature: 0±40ºC
> Storage and transport temperature: -20ºC – 60ºC
> Relative humidity: =80%

Arc meters supplied with the High precision digital radius gauge



100 Measurement arc

The 100mm High precision arc meter is supplied along with the High precision digital radius indicator.
This tool is attached to the arc meter to measure internal or external radii, amongst the following ranges:

Minimum radius: 55mm or 2”
Maximum radius: 625mm or 25”



200 Measurement arc

The 200mm High precision arc meter is supplied along with the High precision digital radius indicator.
This tool is attached to the arc meter to measure internal or external radii, amongst the following ranges:

Minimum radius: 125mm or 5”
Maximum radius: 2.500mm or 99”



300 Measurement arc

The 300mm High precision arc meter is supplied along with the High precision digital radius indicator.
This tool is attached to the arc meter to measure internal or external radii, amongst the following ranges:

Minimum radius: 475mm or 18”
Maximum radius: 11.250mm or 443”



OPTIONAL · 400 Measurement arc

This tool is attached to the arc meter to measure internal or external radii, amongst the following ranges:

Minimum radius:1.150mm or 45”
Maximum radius: 20.000mm or 787”

Treated steel rollers · MC150B · MC200 · MC200H · MC400



Rollers made of Steel F-1140 and treated to 62 Rc. Suitable for bending all kind of round steel or stainless steel pipes.

Always clean up the rollers well before using stainless steel not to get the pipe contaminated.
When the tube measurements are small, two measurements are added on the same roller.



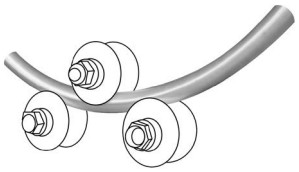
Tube size in mm		
Reference	**Dimensions**	**Weight**
140-08-01-RHT0007	(25 + 30)	17,00 Kg.
140-08-01-RHT0006	(20 + 35)	16,50 Kg.
140-08-01-RHT0001	40	16,60 Kg.
140-08-01-RHT0002	50	14,25 Kg.
140-08-01-RHT0003	60	11,10 Kg.
For Schedule pipe		
140-08-01-RHISOT0006	(3/4" + 1/2") = (26,9 + 21,3 mm)	17,70 Kg.
140-08-01-RHISOT0007	(1" + 3/8") = (33,7 + 17,2 mm)	17,00 Kg.
140-08-01-RHISOT0002	1" 1/4 = 42,4 mm	16,00 Kg.
140-08-01-RHISOT0003	1" 1/2 = 48,3 mm	14,40 Kg.
140-08-01-RHISOT0004	2" = 60,3 mm	11,15 Kg.
For inches pipe		
140-08-01-RHWT-00001	(1/2"+1"1/4) = (12,700 + 31,751 mm)	18,00 Kg.
140-08-01-RHWT-00002	(1"+3/4") = (25,401 + 19,051 mm)	18,50 Kg.
140-08-01-RHWT-00003	1"1/2 = 38,101 mm	17,25 Kg.
140-08-01-RHWT-00004	2" = 50,802 mm	13,60 Kg.
140-08-01-RHWT-00005	2"1/2 = 63,502 mm	9,75 Kg.

Sustarin Rollers · MC150B · MC200 · MC200H · MC400



Rollers made of Sustarin to bend round stainless steel pipes, aluminium and delicate materials with thickness not bigger than 2.5mm.

Sustarin rollers do not damage nor get the pipe contaminated.
When the tube measurements are small, two measurements are added on the same roller.



Tube size in mm		
Reference	**Dimensions**	**Weight**
140-08-01-RI0007	(25 + 30)	1,40 Kg.
140-08-01-RI0001	(20 + 35)	1,40 Kg.
140-08-01-RI0010	33	1,50 Kg.
140-08-01-RI0004	40	1,40 Kg.
140-08-01-RI0003	43	1,30 Kg.
140-08-01-RI0006	50	1,20 KG.
140-08-01-RI0008	60	0,90 KG.
For Schedule pipe		
140-08-01-RIISO0001	(3/4" + 1/2") = (26,9 + 21,3 mm)	1,70 Kg.
140-08-01-RIISO0002	(1" + 3/8") = (33,7 + 17,2 mm)	1,60 Kg.
140-08-01-RIISO0003	1" 1/4 = 42,4 mm	1,30 Kg.
140-08-01-RIISO0004	1" 1/2 = 48,3 mm	1,20 Kg.
140-08-01-RIISO0005	2" = 60,3 mm	0,90 Kg.
For inches pipe		
140-08-01-RIW-00001	(1/2"+1"1/4) = (12,700 + 31,751 mm)	1,80 Kg.
140-08-01-RIW-00002	(1"+3/4") = (25,401 + 19,051 mm)	1,50 Kg.
140-08-01-RIW-00003	1"1/2 = 38,101 mm	1,40 Kg.
140-08-01-RIW-00004	2" = 50,802 mm	1,20 Kg.
140-08-01-RIW-00005	2"1/2 = 63,502 mm	0,90 Kg.

OUR RANGE OF BENDING MACHINES

+info



MC150B

> **Two drive rollers.**
> **Diameter of axes:** 40 mm.
> **Useful axes length:** 74 mm.
> **Center distance between lower axes:** 230 mm.
> **Maximum capacity for bending round pipe:** 2" inches or 50 mm.

+info



MC200

> **Diameter of axes:** 40 mm.
> **Useful axes length:** 74 mm.
> **Center distance between lower axes:** 286 mm.
> **Maximum capacity for bending round pipe:** 2" 1/2 inches or 63.5 mm.

+info



MC400

> **Three drive rollers.**
> **Diameter of axes:** 40 mm.
> **Useful axes length:** 80 mm.
> **Maximum capacity for bending round pipe:** 2" 1/2 inches or 63.5 mm.
> Independent bending regulation of the lower rollers.

+info



MC200H

> **Two drive rollers.**
> **Diameter of axes:** 40 mm.
> **Useful axes length:** 74 mm.
> **Center distance between lower axes:** 286 mm
> **Maximum capacity for bending round pipe:** 2" 1/2 inches or 70 mm.

+info



MC550

> **Three drive rollers.**
> **Diameter of axes:** 50 mm.
> **Useful axes length:** 90 mm.
> **Max. capacity for bending round pipe:** 3" inches (76,2 mm) or 80mm
> Independent bending regulation of the lower rollers.

+info



MC650

> **Three drive rollers.**
> **Diameter of axes:** Lower 65 mm / Upper 80 mm.
> **Useful axes length:**130 mm.
> **Maximum capacity for bending round pipe:** 4" inches or 101,6 mm.
> Independent bending regulation of the lower rollers.

CNC PIPE BENDERS



MC550CNC

> **Three drive rollers.**
> **Diameter of axes:** 50 mm.
> **Useful axes length:** 90 mm.
> **Max. capacity for bending round pipe:** 3" inches (76,2 mm) or 80mm
> Independent bending regulation of the lower rollers.
> A smart predictive system to obtain the desired radius right away.
> Speed control and axle interpolation for perfect results and fluid transitions between segments.
> A high-resolution encoder with 4096 pulses and quadrature encoder for optimal position control at all times.



MC650CNC

> **Three drive rollers.**
> **Diameter of axes:** Lower 65 mm / Upper 80 mm.
> **Useful axes length:**130 mm.
> **Maximum capacity for bending round pipe:** 4" inches or 101,6 mm.
> Independent bending regulation of the lower rollers.
> A smart predictive system to obtain the desired radius right away.
> Speed control and axle interpolation for perfect results and fluid transitions between segments.
> A high-resolution encoder with 4096 pulses and quadrature encoder for optimal position control at all times.

OUR RANGE OF MACHINERY



+info IRON WORKERS



+info NON-MANDREL PIPE BENDER



+info HORIZONTAL PRESS BRAKES



+info SECTION BENDING MACHINES



+info CNC SECTION BENDING MACHINES



+info LASER WELDING EQUIPMENT



+info TWISTING/SCROLL BENDING MACHINES



+info HYDRAULIC PRESS BRAKES



+info HYDRAULIC SHEAR MACHINES



+info GAS FORGES



+info IRON EMBOSSING MACHINES



+info END WROUGHT IRON MACHINES



+info BROACHING MACHINES



+info POWER HAMMERS



+info BLACKSMITH FORGING PRESS

WARRANTY

Nargesa machines have 3 years warranty provided that the customer registers it in our website. Otherwise it would be only one year warranty. This one encloses any manufacturing default all along these 3 years for components. Any misuse is excluded from this condition. Labor, back and forth shipping and any eventual repair, are not included in this warranty.

Partner companies

SHIPMENT EVERYWHERE

Nargesa will arrange transport up to final destination, whenever the customers asks for so. There is also the possibility for the customer to arrange the shipment himself with his own agency.

TECHNICAL ASSISTANCE

All our customers have access to technical support quickly and efficiently.
90% of incidences are solved out on the phone, mail, Skype or videoconferencing in less than 24hours. In case of needing presencial technical assistance, we may as well send a technician to the customer's facilities.

Follow us on

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CE

This information might undergo changes