

► Characteristics of the machine

Section bending, pipe curving machine MC150B NARGESA. Our pipe bender MC150B is designed to minimize the manufacturing cost and provide maximum performance when bending pipes and profiles. It has been manufactured for different profiles such as flat bar or bar section, T-profile, rolling U-profile, bending angle, bending solid rod, both square and round types, spiral tube or even to perform square, rectangular or round pipe in different materials: iron, carbon steel, stainless steel, brass, copper, aluminum. The purpose of these bending operations varies from making greenhouses, tables, chairs, car guards, doors, windows, railings, fences up to countless metal products.



► Machine performance video



► Visit our website to download catalog and handling book of this machine

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- > Two drive rollers. The two lower rollers are motorized and knurled for better grip.
- > Secure transmission by using flat hardened pinions.
- > Diameter of axes: 40 mm.
- > Useful axes length: 74 mm.
- > **Maximum capacity for bending round pipe:** 2 inches or 50.8 mm.
- > Bending regulation by the upper shaft, which allows to curve tube and profile dimensions and profiles of large diameter without deformation.
- > We supply the bending MC150B with 9 rollers and standard washers, that can be combined and make all kinds of profiles. (Square pipe, rectangular, square bar, round and rectangular bars, U profile, T profile, angle, flat bar, edged bar ...) It is only for special round pipes when we need special rollers.
- > Millimeter scale for bending in the upper shaft.
- > Two working positions, horizontal and vertical in the same workbench.
- > Correction rollers on the sides to control the bending deformation when making spirals and spiral staircases.
- > Motor Power: 0.5 KW / 1 HP
- > Voltage supply: 3 phased 230/400 V or 230 V 1 phased (For other voltages, contact the manufacturer)
- > Rollers speed: 6 RPM

All our products are manufactured in our facilities in Spain. Hydraulic and electronic components are completely standard from the best European leading trademarks, with technical support all over the world: Rexroth, Bosch, Roquet, Schneider Electric, LG, Telemecanique, Pizzato etc...

► Technical Characteristics

Motor power	0.75 Kw/1 CV a 1400 r.p.m.
Voltage supply	3 phased 230/400 V or 230 V 1 phased
Intensity	3.5 / 2 A
Traction	Two rollers
Rollers speed	6 r.p.m.
Diameter of rollers	127 mm
Useful axes length	74 mm
Structure material	Sheet
Weight	270 Kg
Dimensions	690x943x1140 mm

► Characteristics of packaging

N° Pallets: 1

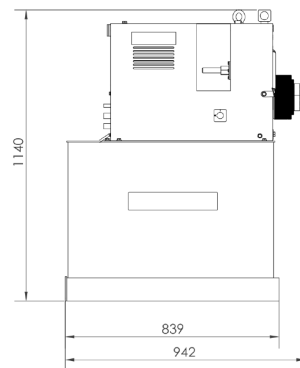
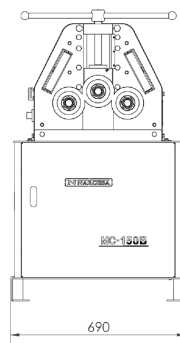
Width: 700 mm	Volume: 0,76 m ³
Length: 950 mm	Nett Weight: 270 Kg
Height: 1150 mm	Gross weight: 280 Kg

Tariff Item Code: 84622998

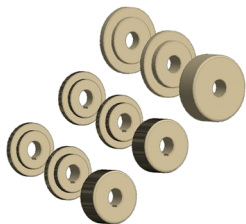
Other Features:

- > Lower bench palletized to move the machine easily to the working site or storage.
- > The machine is delivered completely assembled.
- > Packing with wooden pallet and 3-layered cardboard box, suitable for sea freight.
- > **Optional:** Complete wooden packing NIMF15.

► Dimensions of the machine



► Standard tooling



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...

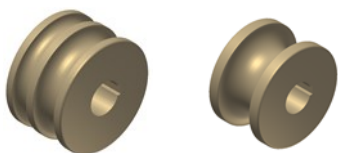
Adjustable rollers, by washers with the size of profile or pipe which allows us to make bending to different pipe or profile sizes.

► Optional tooling

Set of treated steel rollers

Set of 3 sets of treated Steel rollers for Steel round pipe or stainless Steel, thickness bigger than 2 mm.

For pipe			
in mm	ISO in mm	Gas inches	Whitwort inches
(25+30)	(17,2+21,3)	$(1/2''+3/4'') = (20,956 + 26,442 \text{ mm})$	$(1/2''+1''1/4'') = (12,700 + 31,751 \text{ mm})$
(20+35)	(33,7+26,9)	$(3/8''+1'') = (16,663 + 33,250 \text{ mm})$	$(1''+3/4'') = (25,401 + 19,051 \text{ mm})$
40	42,4	$1''1/4 = 41,912 \text{ mm}$	$1''1/2 = 38,101 \text{ mm}$
50	48,3	$1''1/2 = 47,805 \text{ mm}$	$2'' = 50,802 \text{ mm}$
60	60,3	$2'' = 59,616 \text{ mm}$	$2''1/2 = 63,502 \text{ mm}$



1" GAS = 33,250 mm 1" WHITWORT = 25,401mm Weight: from 6 to 13 Kg

When pipe sizes are small, two sizes are included in the same roller.

Eg. (20+30) or $(1/2''+1''1/4)$

It is advisable to clean up very well the rollers before using stainless Steel to prevent from contaminating the pipe.

Set of sustarin rollers

Set of 3 Sustarin rollers for stainless Steel pipes, aluminium and delicate materials for thickness smaller than 2.5 mm.

For pipe in mm.

(25+30) - (20+35) - 33 - 40 - 43 - 50 - 50,8 - 60



1" GAS = 33,250 mm 1" WHITWORT = 25,401mm Weight: 2,5 Kg

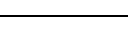
When pipe sizes are smaller, two sizes are included in the same roller.

Eg. (20+30) or $(1/2''+1''1/4)$

Sustarin rollers do not spoil or contaminate the pipe.

For any other size or profile please ask the manufacturer.

► Bending capacity

	MC150B		MC200		MC400		MC200H		MC650	
Section	Size	Min. radius	Size	Min. radius	Size	Min. radius	Size	Min. radius	Size	Min. radius
	50 x 8	300	50 x 10	300	50 x 10	250	60 x 10	200	100 x 20 80 x 20	1250 450
	60 x 20	200	80 x 20	150	80 x 20	150	80 x 20	150	100 x 25 80 x 20	350 200
	25 x 25	200	30 x 30	200	30 x 30	150	30 x 30	150	45 x 45 25 x 25	300 200
	40 x 40 x 3	350	50 x 50 x 3	700	50 x 50 x 3	600	50 x 50 x 3	450	70 x 70 x 4 40 x 40 x 3	750 350
	40	200	40	200	40	150	40	200	80 * 70 40	500 400 150
	40	250	40	250	40	200	40	250	80 * 60 40	500 400 150
	50	200	60	300	60	225	60	225	120 80	600 400
	50	250	60	300	60	225	60	225	120 80	700 400
	40	500	40	420	40	200	40	300	70 40	600 250
	25	180	30	150	30	150	30	150	50 25	300 175
	40 x 2 * 50,8 x 3 * = 2" x 3 *	300 600 600	40 x 2 * 63,5 x 3 * = 2 1/2" x 3 *	250 500 500	40 x 2 * 63,5 x 3 * = 2 1/2" x 3 *	200 450 450	40 x 2 * 76,2 x 2 * = 3" x 2 *	200 500 500	88,9 x 4 * 101,6 x 3 * = 4" x 3 *	700 700 700

* Optional rollers

► Two bending shapes: Vertical and horizontal



When the user has to bend any kind of profile at radius wider than 2 m or if there are height problems in the facilities, it is really uncomfortable to work vertically. It will be enough with just bending the machine down so the bending operation is made horizontally with the help of a support or stands where we place the piece in order to obtain an optimum job. For instance, when we bend arches for a greenhouse.

► Our range of section and pipe bending machines

The pipe and section bending machines Nargesa with two or three traction rollers, either hydraulic or mechanic system are ideal for making all kinds of bends, curves, shapes on different pipes and profiles no matter the material to be used, aluminum, stainless steel, mild steel, copper, galvanized pipe for making staircases, tube spirals, pipe flanges, greenhouses, railings, tables, chairs, doors and even windows.



MC150B



MC200



MC200H



MC400



MC650

► 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



ALL NARGESA PRODUCTS ARE ACCORDING TO THE CE NORMATIVE AND REGULATIONS FOR MANUFACTURING INDUSTRIAL MACHINERY