

Challenge 12

Plate bevelling machine

Range w.t. 6-40 mm (1/4" - 1 1/2")



Plate bevelling machine GBC CHALLENGE 12, with compact design to meet high portability demand all around working area. Once positioned on the plate edge the machine travels along the plate automatically, without any intervention by the operator.

Unit is fixed head type which allow bevel angle according with roller assembly skid mounted only. Replacement of the 30° roller supplied as std, for a different bevel angle ones (available 22°30' - 25° - 35° - 37°30' - 45° - 55°) takes less than one minute.



Different types of milling cutters are available according with different steel grade to be machined.

RANGE:

1/4" TO 1 1/2" THICKNESS.

FUNCTIONS:

BEVEL FROM 22°30' TO 55°.

MATERIALS:

CARBON STEEL, ALLOYS AND STAINLESS STEEL.

POWER:

ELECTRIC 3 PHASE
380 V 50-60 Hz.

NOTE:

COMPLETELY SILENT!
REDUCED WEIGHT AND DIMENSIONS
ALLOW TO GBC CHALLENGE
12 AN EASY HANDLING. CAN BE
MOVED BY HAND FROM STRIP
PLATES BEVELLING TO BIG SIZE
PLATES WITHOUT USE OF CRANE
OF ANY LIFTING DEVICE.



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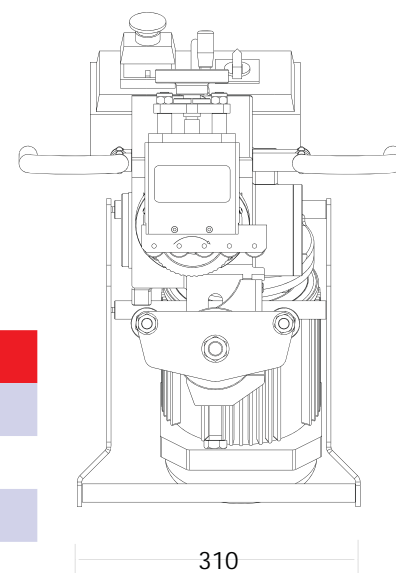
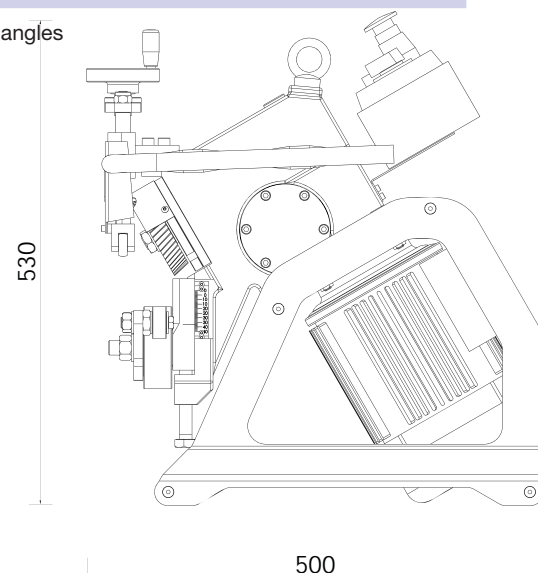
Technical Features

Power	Volts / Hz / Phase	380* / 50 / 3
Bevelling speed	Surface metres / min	2.4
Electric motor power	Kw	2.2
Min. plate width	Inches / Millimetres	2.36" / 60mm
Plate thickness	Inches / Millimetres	¼" - 1 ½" / 6-40mm
Std bevel angle**	Degrees	30°
Weight	Kg	65

*Different Voltage available on request

** See optional chart for any different bevel angles

BEVEL CHART IN SINGLE OPERATION													
CARBON STEEL							STAINLESS STEEL						
R.	40Kg.		50Kg.		60Kg.		R.	50Kg.		60Kg.		70Kg.	
A	L	S	L	S	L	S	A	L	S	L	S	L	S
30°	12	10	10	8.5	8	7	30°	6	5	5	4.3	4.2	3.6
35°	12	9.5	10	8	8	6.5	35°	6	5	5	4	4.2	3.5
37.5°	12	9	10	7.5	8	6	37.5°	6	4.5	5	4	4.2	3.3
45°	12	8.5	10	7	8	5.5	45°	6	4	5	3.5	4.2	3



Ordering Information

Part No.

Challenge 12

03-150-100-10000

Milling tool for Carbon Steel

V02814/CARB

Milling tool for Stainless Steel

V03380/INOX

Millings tools for other materials available on request

All CHALLENGE 12 units are supplied in wooden boxes for storage and transportation, complete with milling tool for carbon steel, roller assembly for 30 deg. angle, service wrenches, drawings, instruction manual and warranty certificate.