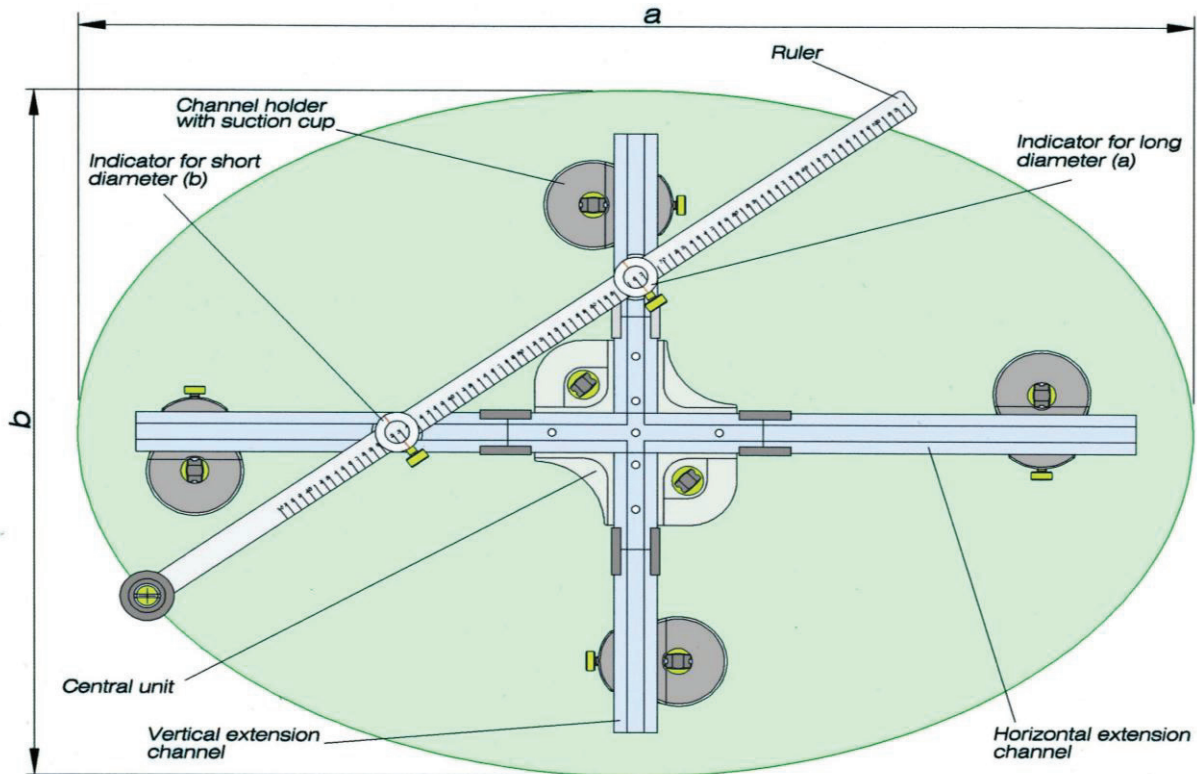
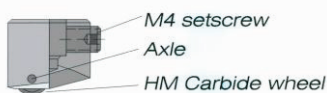


1550CC

OVAL & CIRCLE CUTTING MACHINE

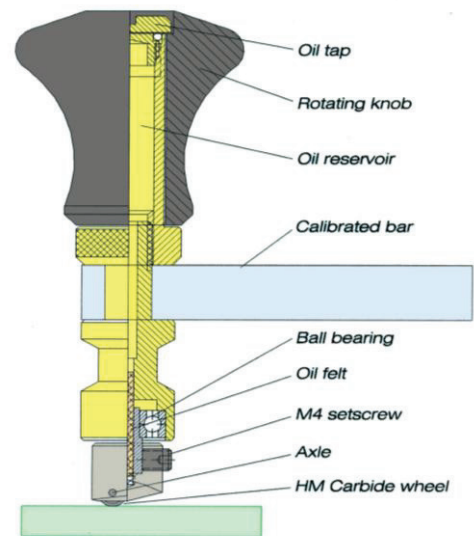
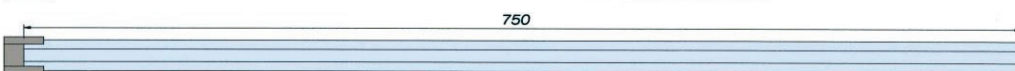
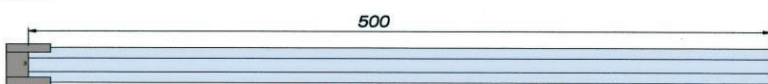
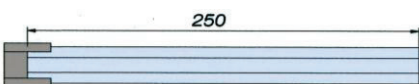
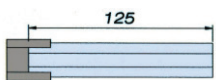


Cat No. 1550CC-Oval cutting machine, Cast aluminum central unit, Precisely machined parts, Short ruler for small ovals 160 to 700 mm, Long Ruler for large ovals up to 1400 mm., Cuts all ovals between 160 mm to 1400 mm without restriction. Changeable ball bearing cutting head, HM carbide wheel 135°, Oil reservoir to lubricate wheel and axle continuously, Ovals with any "a" and "b" dimensions can be cut perfectly. Delivered in wooden box.



341.02-Spare wheel holder

Extension channels,
125 mm length 4 pieces.
250 mm length 4 pieces.
500 mm length 2 pieces.



Cat No. 155055-Spare complete cutting head.

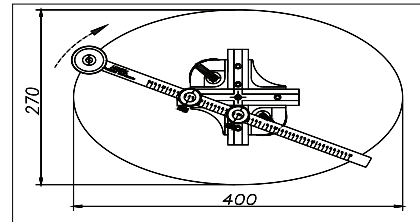
EXTENSION KIT

Cat No. 1550EXT-Extension kit, Enlarges the cutting range of the oval cutting machine up to 2300 mm, consists of one calibrated bar (160 2300 mm) and two extension channels 750 mm.

OPERATION INSTRUCTIONS

Fix the central unit on the glass by suction pads. Place one of the indicators to the vertical channel and the other one to the horizontal channel. Slide the ruler inside of the indicators. Adjust the small diameter (**b**) from the indicator near to the cutting head, And large diameter (**a**) from the from the indicator away from cutting head. Make a clockwise trial turn to lubricate the oval line and to check the oval shape. Start from the upper part and cut the glass at clockwise direction at once. Don't interrupt or stop during cutting. Exact ovals can be obtained without using a template.

EXAMPLE-1: Ovals can be cut by using only the central unit.
Only if the diameter difference is less than 160mm.
For example: **a**=400mm **b**=270mm. Dia. difference:(**a-b**) 400-270=130mm. Adjust the indicators and cut the oval as described above.

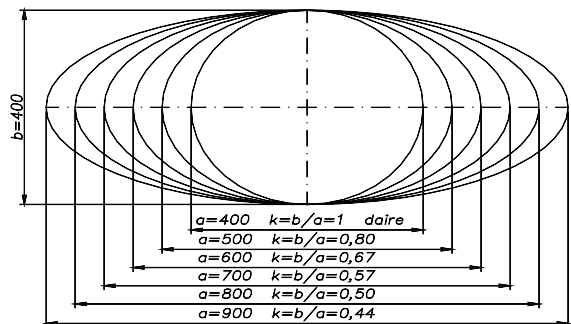


EXAMPLE-2: Cutting ovals over 160mm diameter difference needs removing channels during operation. For example; diameters **a**=900mm, **b**=580mm, Diameter difference is (**a-b**) 900-580=320mm. Diameter ratio **k=b/a**=580/900=0,64. We can see from the chart below at the diameter difference column second row that we have to use 125mm long vertical and horizontal extension channels. Fix these channels to the central unit and fix them to the glass with their suction cups.

As seen from the shape at right, While **k** value (**b/a**) decreases, shape changes from a wide oval to a narrow oval.

When **k=b/a=1** This means **a = b** and the shape is circle. If **k** value is between 1 to 0,55 ($1 > k > 0,55$) removing channels are not necessary.

If **k** value is smaller than 0,55, ($k < 0,55$) oval will be too narrow. (example: **a**=900 ve **b**=400. **k=b/a**=400/900=0,44). Removing vertical channel is necessary during cutting operation.



	OVAL CUTTER			
	Difference of Diameters (a-b)mm	Horizontal extension channel	Vertical extension channel	Minimum Dia. Ø mm
1-	0 to 160			160
2-	160 to 410	2 x 125	2 x 125	420
3-	410 to 660	2 x 250	2 x 250	660
4-	660 to 910	2 x (125 + 250)	2 x (125 + 250)	920
5-	910 to 1160	2 x (250 + 250)	2 x 500	1150
6-	1160 to 1410	2 x (500 + 125)	2 x (250 + 250 + 125)	1400

	EXTENSION KIT			
	Difference of Diameters (a-b)mm	Horizontal extension channel	Vertical extension channel	Minimum Dia. Ø mm
7-	1250 to 1600	2 x (500 + 250)	2 x 750	1600
8-	1600 to 1850	2 x (500 + 250 + 125)	2 x (750 + 125)	1800
9-	1850 to 2100	2 x (500 + 250 + 250)	2 x (750 + 125 + 125)	2100