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## SIMAX 100

Indicative Production per Hour (100 % of capacity)  
with TCT blade and bars of 6000 mm length.

- material : Steel 18NiCrMo5
- Cutting speed : 120 m/min
- Blade diameter : Ø360 mm
- N° of teeth: Z 80
- Removal for teeth: 0.07mm
- Blade thickness : 2.26 mm
- Pieces length: 100mm

Bar diameter Ø (mm)	Cutting time (s)	Downtime (s)	Cycle time (s)	Pieces/hour
32	4.5	3	7.5	480
40	5.3	3	8.3	435
55	6.9	3	9.9	365
65	7.8	3	10.8	335
70	8.3	3	11.4	316
80	9.4	3	12.4	290
90	10.4	3	13.4	268
100	11.4	3	14	258

### NOTE

The cycle time, is the sum of **cutting time** and **downtime (head movement back + opening and closing vice + feeding considering even the change bar and trim cut )**.

Supposing to cut pieces 80÷100mm long, the downtime will be 3 second.

### BLADE LIFE

The best TCT blade has a life (measured in square meters) that varies between 50 and 80 m<sup>2</sup>.

**50 m<sup>2</sup> corresponds** to 61.500 pieces Ø 32  
to 40.000 pieces Ø 40  
to 22.500 pieces Ø 55  
to 15.200 pieces Ø 65  
to 13.000 pieces Ø 70  
to 10.000 pieces Ø 80  
to 8.000 pieces Ø 90  
to 6.300 pieces Ø 100