



36015 SCHIO (VI) ITALY - VIA LAGO DI ALLEGHE (Z.I.) - TEL. 0445/576129  
FAX. 0445/575910 - <http://www.simecsrl.it> - E-mail: [simec@simecsrl.it](mailto:simec@simecsrl.it)

## SIMAX 150

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 : Ø460 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
55	8.7	3	11.7	310
62	9.6	3	12.6	285
65	10	3	13	277
80	12	3	15	240
100	14.3	3	17.3	208
120	16	3	19	190
140	18.5	3	21.5	168
150	19.5	3	22.5	160

### 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 (measure in square meters) that varies between 50 and 80 m<sup>2</sup>.

### 50 m<sup>2</sup> corresponds

- to 22.500 pieces Ø 55
- to 15.200 pieces Ø 65
- to 10.000 pieces Ø 80
- to 6300 pieces Ø 100
- to 6400 pieces Ø 120
- to 3200 pieces Ø 140
- to 3100 pieces Ø 150