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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 : \varnothing 360 mm
- N° of teeth: Z 80
- Removal for teeth: 0.07mm
- Blade thickness : 2.26 mm
- Pieces length: 100mm

Bar diameter \varnothing (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 m².

50 m² corresponds to 61.500 pieces \varnothing 32
to 40.000 pieces \varnothing 40
to 22.500 pieces \varnothing 55
to 15.200 pieces \varnothing 65
to 13.000 pieces \varnothing 70
to 10.000 pieces \varnothing 80
to 8.000 pieces \varnothing 90
to 6.300 pieces \varnothing 100