



PRO-CALC SPINDLE SPEED/ SURFACE FEET CALCULATOR

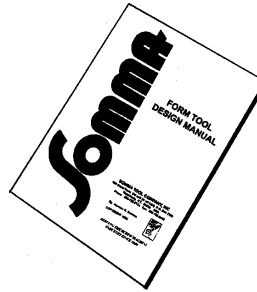
Cat. No.
PRO-CALC.®

Calculates surface feet, RPM, feed rate for turning, drilling, tapping and milling. Inches or metric.

Hand held - Can be used at machine location.

- Merely select material:**
Choose from 34 materials
- Select machine operation:**
Cutoff/Form Tool
End mill
Drill/Counterbore
Tapping
Face Mill
- Select Diameter:**
Part Diameter
Tool Diameter

THE SOMMA FORM TOOL DESIGN MANUAL ANSWERS ALL THE QUESTIONS YOU WANTED TO KNOW ABOUT FORM TOOL DESIGNING.



- CHECKLIST
- DRAWING
- CALCULATING
- DIMENSIONING
- HELPFUL IDEAS
- USEFUL TABLES
- SELECTING TOOL MATERIAL
- FORM TOOL GEOMETRY

Download and print a free copy at www.sommatool.com.

FORM TOOL CALCULATION PROGRAM

SOMMA'S EXCLUSIVE PROGRAM WILL PERFORM ALL YOUR FORM TOOL CALCULATIONS

FEATURES:

- Leads you through problems.
- Eliminates long, complicated manual calculations.
- Eliminates corrected diameter tables, charts, graphs, trig tables, and square root calculations.
- Calculates any Circular Form Tool - regardless of Diameter, Offset or Top Rake.
- Calculates any Flat Type Form Tool - regardless of Front Clearance Angle or Top Rake.
- Can print out answers for a permanent record.

Cat. No.
FTSCW

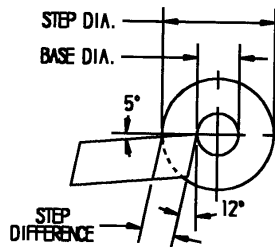
Download a free demo today at www.sommatool.com

FOR RESHARPENABLE QUICK CHANGE CHANGE FORM TOOL INSERTS

All you need to do is enter:

- Front Clearance Angle = 12°
- Top Rake Angle = 5°
- Base Diameter of Part =

Then as you enter each part diameter, the program calculates the corrected step difference.

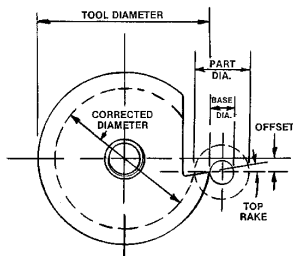
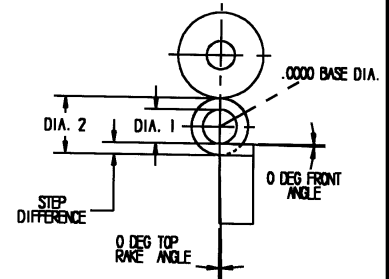


FOR RESHARPENABLE QUICK CHANGE CHANGE SHAVE TOOL INSERTS

All you need to do is enter:

- Front Clearance Angle = 0°
- Top Rake Angle = 0°
- Base Diameter of Part = .000", .125"

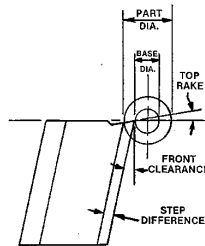
or .500" depending on holder being used. Then as you enter each part diameter, the program calculates the corrected step difference.



FOR CIRCULAR FORM TOOLS

All you need to do is enter:

- Tool Diameter ---
- Tool Offset Distance---
- Top Rake Angle---
- Base Diameter of Part---
- Then as you enter each part diameter, the program calculates tool diameter and step difference.



FOR FLAT TYPE FORM TOOLS

All you need to do is enter:

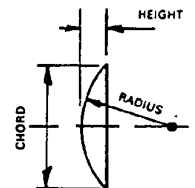
- Front Clearance Angle---
- Top Rake Angle---
- Base Diameter of Part---
- Then as you enter each part diameter, the program calculates the corrected step difference.

FOR RADIUS PROBLEMS

All you need to do is:

- Enter any two of the three dimensions of a chord.

The program will calculate the third dimension.



FOR TRIANGLE PROBLEMS

All you need to do is:

- Enter any two of the four dimensions of a right angle triangle---

The program will calculate the remaining two dimensions.

