Gear C.A.M.

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Installation instructions (from CD)

1   Insert CD Into your CD Drive Setup should auto start if not or download from the web
2   Using "my computer" or "windows explorer" find "setup"
3   Run "setup"
4   Follow the on screen setting instructions in most cases no changes to the default settings will be required.
5   After set up is complete select start on the win screen then under programs there will be an icon for Gear C.A.M. click this to start Gear C.A.M.

After Gear C.A.M. starts follow these steps to design your first single gear.

1   Click on "File" then "new" then "single"
2   Click the mouse in the box next to number of teeth and type in 20 then press "enter" on the keyboard.
3   Now click in the box next to Helix Angle and type 10. 0 then press "enter" on the keyboard. You will see "Right" appear if you had typed –10.0 then Left would have appeared
4   Now click in the black box next to DP normal and type 10.00 then press "enter" on the keyboard. You will 2,540 appear in red this is the modual (All numbers in red are metric, in black imperial). You can enter either or a mixture of imperial and metric Gear C.A.M always works in both.
5   Click next to pressure angle normal and type 20.00 then press "enter" on the keyboard.
6   You have now entered all the basic data Gear C.A.M. needs to design a simple gear of 20T, 10DP or 2.54 Mod, 20Deg Pa & 10 Deg Helix angle left or right.
7   Now click on calculate or the calculator icon. This then calculates all the gear data for the original design. You can scroll up and down the numbers on the left are imperial and on the right metric.
8   You can print this by clicking on the printer icon.

9   If you want to edit the data click on edit or the edit icon left of the calculator.

10   You can change any of the items by over typing then pressing "enter" on the keyboard.

11   Now click in the file name box and type test then press "enter" on the keyboard.

12   Now to save the file click on "file", "save", "save gear data" then the normal windows file save as window is used to save the design with a ".des" extension so the file will be test.des.

13   To load the data back click on either the file open icon or "file", "Load data from disk". In this page select the file you want to load then click "Load data from disk"

14   Now click on calculate or the calculator icon. This then calculates all the gear data for the original design.

15   Now click on the tick to the right of the calculator icon this page.

16   No face width entered to input it go to edit then input the face width say 20mm press "enter" the recalculate by clicking the calculator then click the tick. This calculates quality std. either to BS or Din, enter the number of the std for ex 7. Clicking on the printer icon can print this.

17   Now click on C.A.D. or the icon that looks like a screen. This shows the gear design and you can zoom in or out as well as print using the printer icon.

18   The same basic operation is used for other types of gears from the "file" "new" menu.

19   Remember to press "enter" after any data field is changed.

Steve