

MULTI-TIP

Designing a new wheel for an existing machine

The MULTI-TIP system can be fitted to most stump grinders and in many cases will show a marked improvement in performance.

When designing a new wheel, MULTI-TIP tries to optimise the machine characteristics. These are the power available to the wheel (in hp.), the rotational speed and the maximum diameter available.

MULTI-TIP use these characteristics to define the diameter of the wheel, the number of teeth and their pitch (i.e. the distance between the outermost and innermost tooth).

Given that most existing machines will limit the flexibility in these parameters, the new MULTI-TIP will optimise within the limitations, but in most cases will still improve performance.

Using the notes overleaf, please supply the following details in millimetres:

- A Maximum diameter _____ (to 0.1mm tolerance)
B Fixing hole distance _____
C No. of fixing holes _____
D Fixing hole diameter _____
E No. of existing teeth pairs _____
F Central bore size _____
G Existing wheel thickness _____

(The Multi-Tip wheel is 20mm thick and may need countersinking on the bore to fit some machines. Please comment on this if necessary)

Make and model of the machine _____

Age of machine _____

Machine power rating (in hp) _____

Rotational speed (in rpm) _____

Machine owner (company) _____

Contact at machine owner _____ Phone

Email

Person supplying this information _____

Date ____/____/____ (dd/mm/yyyy)

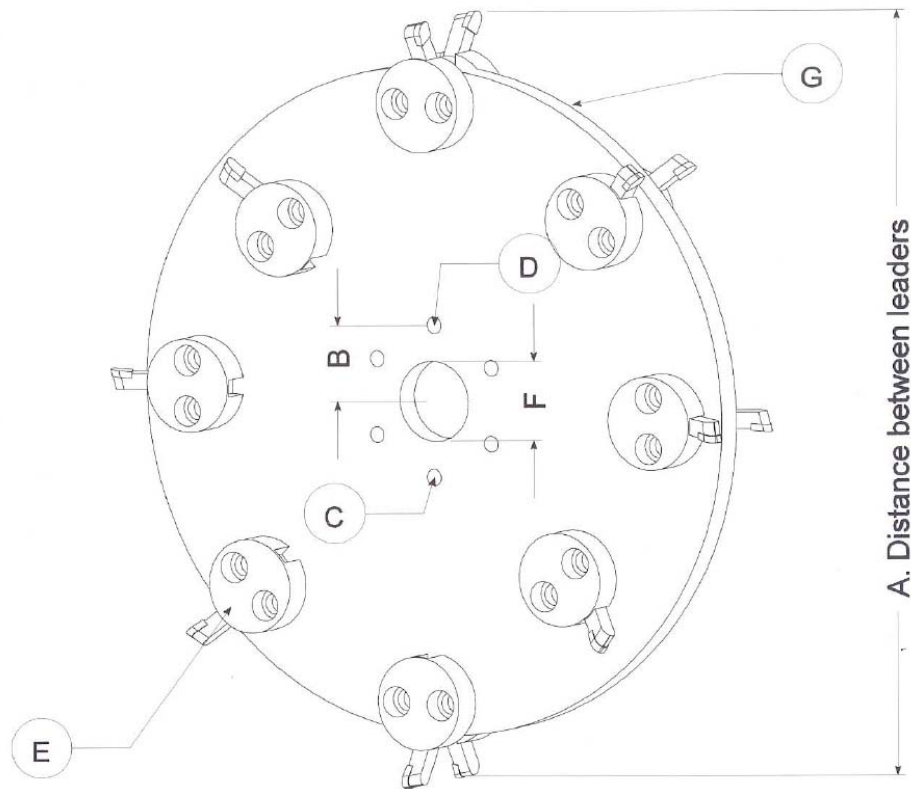
MULTI-TIP Ltd

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Existing Wheel details

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Notes to Information required



Teeth		
A	The maximum diameter between the existing leading teeth (measured from tip to tip)	This is to ensure the new wheel does not exceed original safety limits. In some cases MULTI-TIP can design a larger wheel.
Centre fixing		
B	The distance from the wheel centre to the centre of the fixing holes	If the fixing configuration is not symmetric (all holes the same distance) or regular (angle between centre and each hole the same), then an drawing spec. is required.
C	The number of fixing holes	
D	Fixing hole diameter	Is each hole the same?
Other		
E	The number of existing teeth pairs	I.e. 8 in above diagram
F	The diameter of the central hub	Some hubs are not regular (e.g. tapered or not circular). These require special development
G	Existing wheel thickness	Does the fixing system depend on this specific thickness?
Notes		
<ol style="list-style-type: none"> 1. All measurements in mm and to be within 0.1mm tolerance 2. Sample wheel if available 3. Photographs if possible 4. Check that MULTI-TIP teeth width is less than available width within the guard 		

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