

# 1031651 | Carbide file milling cutter -TivolyNorm -Normal cut -Chip cutter -D shape

High performance carbide file cutter milling. Versatile use thanks to its substrate and diamond tooth geometry. Made in France.



- Especially for high-strength steels, stainless steels and cast irons
- Especially for weld bead
- Excellent surface finish
- Superior long life
- Cylindrical shank
- Chip breaker teeth
- Carbide head

## Machine



## Application



## Features



## Properties and benefits

- + Cylindrical shank: the diameter of the shank is equal to the diameter of the tip. ➡ Enables versatile use on portable electrical tools and CNC machine tools.
- + Chip-breaking teeth: teeth designed for their high versatility, diamond cutting for the excellent breaking up of chips. ➡ Enables the effective filing of the majority of metals, excellent chip breaking, and neat surface conditions.
- + Tungsten carbide head: ground in a grade of carbide especially suited for high rotation speeds. ➡ Enables an excellent throughout rate and very high resistance to wear, suitable for very high rotation speeds in the majority of metals.



Item number M3	EAN (13 digits) M3	Cutter diameter	Handle diameter or CM	Total length	Trimmed length	Number of tee
103165103080	3221912204660	3	3	80	20	
10316510400	3221910614294	4	6	50	14	
103165104080	3221912204868	4	4	80	20	
10316510600	3221910614300	6	6	50	16	
103165106080	3221912204875	6	6	80	20	
10316510800	3221910614317	8	6	65	20	
10316511000	3221910614324	10	6	65	20	
10316511200	3221910614331	12	6	70	25	
10316511600	3221910614348	16	8	70	25	
103165116006	3221910614355	16	6	70	25	
10316512000	3221910614362	20	8	70	25	
103165120006	3221910614379	20	6	70	25	