

SOLID CARBIDE END MILLS · END MILLS FOR EVERY MATERIAL

4-flute flat end mill - universal

4-flute carbide end mill for steels, alloy steels and cast irons up to 54 HRC, and up to 65 HRC in the hardened-steel version. Available short or long, with or without reduced neck.



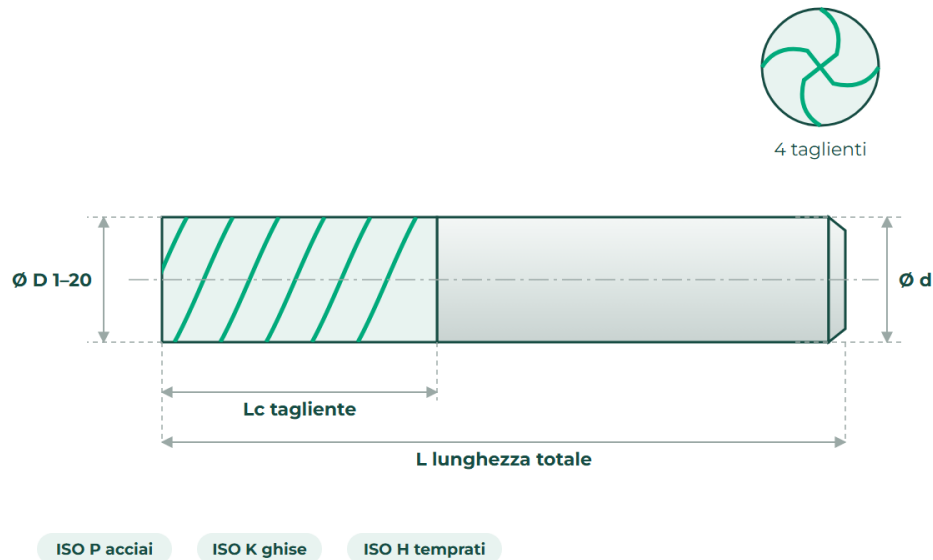
KEY DATA

Product type	Solid Carbide End Mills
ISO materials	P steel K cast iron H hardened
Operation	Finishing · Semi-finishing
Online page	innot-it.com/en/prodotto/fresa-piana-4-taglienti

Technical drawing

Fresa piana 4 taglienti - universale

Spallamenti, cave e contornatura su acciai e ghise



INNOT

Indicative dimensions: D = cutting diameter, Lc = cutting length, L = overall length, d = shank diameter. Exact dimensions are chosen at the quotation stage.

Features

Geometry	Flat (sharp corner)
Cutting edges	4

Diameters	Ø 1-20 mm
ISO materials	P (steels), K (cast irons), H (hardened steels)
Hardness / application	up to 54 HRC; hardened-steel version up to 65 HRC
Versions	Versions: short cutting edge (maximum rigidity) or long, full shank or reduced neck to work deep without interference. Diameters from Ø1 (Ø6 in the long version) to Ø20 mm. Also available with 6 flutes for roughing and finishing: 6-flute end mill .
Tool material	Coated solid carbide

Coatings and carbide

All coatings are available on this tool, also in custom versions:

● TiN
 ● TiCN
 ● TiAlN
 ● AlTiN
 ● AlCrN
 ● TiSiN
 ● AlTiSiN
 ● AlCrSiN
 ● CrN
 ● ZrN
 ● TiB2
 ● DLC
 ● ta-C
 ● CVD diamond
 ● Uncoated

[Compare coatings and carbide grades →](#)

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Cutting data are indicative starting values: adjust them to machine, clamping, tool overhang and workpiece material. Data and images may change without notice.