

Garant
Semi-roughing end mill, uncoated, Ø k10 DC: 9mm

Order data

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|--------------|---------------|
| Order number | 191640 9 |
| GTIN | 4045197104311 |
| Item class | 11W |

Description
Version:
Universal end mill with relief ground semi-roughing profile.

Centre cutting teeth for plunging.

Eccentric relief ground.

Universal cutting edge geometry.

Technical description

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|--|----------------------------------|
| No. of teeth Z | 3 |
| Feed f_z for slot milling in steel < 750 N/mm ² | 0.02 mm |
| Cutting edge Ø D_c | 9 mm |
| Corner chamfer width at 45° | 0.3 mm |
| Shank Ø D_s | 10 mm |
| Overall length L | 69 mm |
| Flute length L_c | 19 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 1835 B to h6 |
| Tolerance nominal Ø | k10 |
| Helix angle | 25 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | uncoated |

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|-----------------|-----------------|
| Tool material | HSS Co 8 |
| Standard | DIN 844 B |
| Milling profile | NF |
| Through-coolant | no |
| Colour ring | without |
| Type of product | End / face mill |

User data

| | Suitability | V _c | ISO code |
|-------------------------------|---|----------------|----------|
| Aluminium (short chipping) | suitable only under restricted conditions | 83 m/min | N |
| Steel < 500 N/mm ² | suitable | 30 m/min | P |
| Steel < 750 N/mm ² | suitable | 25 m/min | P |
| Steel < 900 N/mm ² | suitable only under restricted conditions | 25 m/min | P |
| CuZn | suitable only under restricted conditions | 55 m/min | N |
| Uni | suitable | | |
| wet maximum | suitable | | |