

Semi-roughing end mill, uncoated, Ø k10 DC: 12mm



Order data

| Order number | 191700 12 |
|--------------|---------------|
| GTIN | 4045197104618 |
| Item class | 11W |

Description

Version:

Relief ground truncated-type roughing profile.

Centre cutting teeth for plunging.

The wide tooth lands can be re-ground frequently without losing the profile.

Universal cutter for profile milling or for plunging.

Advantage:

Compared to multi-flute cutters, better chip evacuation due to larger flutes.

Technical description

| Feed f_z for slot milling in steel < 750 N/mm ² | 0.04 mm | | |
|--|----------------------------------|--|--|
| No. of teeth Z | 3 | | |
| Corner chamfer width at 45° | 0.5 mm | | |
| Cutting edge Ø D _c | 12 mm | | |
| Shank Ø D _s | 12 mm | | |
| Overall length L | 110 mm | | |
| Flute length L _c | 53 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 | | |
|-----------------|-----------------|--|--|
| 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 | \mathbf{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 | Р |
| Steel < 750 N/mm ² | suitable | 25 m/min | Р |
| Steel < 900 N/mm ² | suitable only under restricted conditions | 25 m/min | Р |
| GG(G) | suitable only under restricted conditions | 23 m/min | К |
| CuZn | suitable only under restricted conditions | 55 m/min | N |
| Uni | suitable only under restricted conditions | | |
| wet maximum | suitable | | |