

**Garant**
**End milling head, radius = 0.5 mm, HB730, Ø D h10: 12 mm**

**Order data**

Order number	210210 12
GTIN	4045197522924
Item class	21M

**Description**
**Note:**

 Standard application values for  $a_{p\max} \leq 0.5 \times D$ .

Head length l: 16 mm

 Flute length  $L_2$ : 9 mm

 Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.04 mm

 Feed  $f_z$  for side milling in steel < 900 N/mm<sup>2</sup>: 0.06 mm

**Technical description**

Cutter Ø D	12 mm
Flute length $L_2$	9 mm
Head length l	16 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.06 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.04 mm
Arbor size	12 mm
Corner rounding $r_v$	0,5
Series	TopCut
Grade	HB730
Tool material	Solid carbide

Standard	Manufacturer's standard
Type	N
Number of cutting edges Z	4
Helix angle	40 degrees
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.3×D for side milling mm
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D mm
Through-coolant	no
suitable arbor	GARANT TopCut
Type of product	Cutter insert for milling

## Accessories

Plug-in adapter for torque wrench Type 10X4	219986 10X4
Assembly wrench Type 10X4	219987 10X4