

**Garant**
**Roughing / finishing milling head, 45° chamfer, HB730, Ø D h10: 12 mm**

**Order data**

Order number	210280 12
GTIN	4045197522276
Item class	21M

**Description**
**Note:**

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

Head length l: 22 mm

Flute length  $L_2$ : 15 mm

Corner chamfer width at 45°: 0.24 mm

Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.05 mm

Feed  $f_z$  for side milling in steel < 900 N/mm<sup>2</sup>: 0.07 mm

**Technical description**

Cutter Ø D	12 mm
Flute length $L_2$	15 mm
Head length l	22 mm
Corner chamfer width at 45°	0.24 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.07 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.05 mm
Arbor size	12 mm
Corner chamfer angle	45 degrees
Series	TopCut
Grade	HB730

Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Milling profile	NF
Number of cutting edges Z	4
Helix angle	45 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
Machining strategy	HPC
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