

**Garant**
**GARANT Master Steel SlotMachine solid carbide roughing milling head,  
HB730, Ø D d11: 20 mm**

**Order data**

Order number	210290 20
GTIN	4045197891464
Item class	21M

**Description**
**Note:**

Standard application values for  $a_{p\max} \leq 0.75 \times D$ .

Head length l: 35 mm

Flute length  $L_2$ : 25 mm

Corner chamfer width at 45°: 1 mm

Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.09 mm

Feed  $f_z$  for side milling in steel < 900 N/mm<sup>2</sup>: 0.13 mm

**Technical description**

Flute length $L_2$	25 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.13 mm
Cutter Ø D	20 mm
Corner chamfer width at 45°	1 mm
Head length l	35 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.09 mm
Arbor size	20 mm
Corner chamfer angle	45 degrees
Series	GARANT Master Steel

Series	TopCut
Grade	HB730
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Milling profile	NR
Number of cutting edges Z	5
Helix angle	42 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