

**Garant**
**TPC milling head with chip separators 3×D, HB730, Ø D f8: 20 mm**

**Order data**

Order number	210344 20
GTIN	4045197722362
Item class	21M

**Description**
**Version:**
**Milling head specially designed for TPC applications.**
**Note:**
 $h_{\max}$ : The values stated in the table are maximum values.

Cutting data for conventional milling can be found in the machining handbook No. 110020.

 $a_{e \max} = 0.08 \times D$  for TPC machining.

Head length  $l$ : 70 mm

Flute length  $L_2$ : 60 mm

Corner chamfer width at 45°: 0.4 mm

Average chip thickness  $h_{\max}$  for TPC milling in steel < 900 N/mm<sup>2</sup>: 0.075 mm

**Technical description**

Head length $l$	70 mm
Cutter Ø $D$	20 mm
Flute length $L_2$	60 mm
Average chip thickness $h_{\max}$ for TPC milling in steel < 900 N/mm <sup>2</sup>	0.075 mm
Corner chamfer width at 45°	0.4 mm
Arbor size	20 mm
Corner chamfer angle	45 degrees
Series	TopCut

Grade	HB730
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Number of cutting edges Z	5
Helix angle	45 degrees
Helix angle characteristic	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0,08xD mm
Machining strategy	TPC
Through-coolant	no
suitable arbor	GARANT TopCut
Type of product	Cutter insert for milling