

Garant
TPC milling head with chip separators 2×D, HB730, Ø D f8: 12 mm

Order data

Order number	210343 12
GTIN	4045197721495
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.

$a_{e \max} = 0.1 \times D$ for TPC machining.

Head length l : 31 mm

Flute length L_2 : 24 mm

Corner chamfer width at 45°: 0.24 mm

Average chip thickness h_{\max} for TPC milling in steel < 900 N/mm²: 0.045 mm

Technical description

Cutter Ø D	12 mm
Average chip thickness h_{\max} for TPC milling in steel < 900 N/mm ²	0.045 mm
Flute length L_2	24 mm
Head length l	31 mm
Corner chamfer width at 45°	0.24 mm
Arbor size	12 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	$0.1 \times D$ mm
Machining strategy	TPC
Through-coolant	no
suitable arbor	GARANT TopCut
Type of product	Cutter insert for milling