

Garant
Torus milling head, HB730, Ø D h10 / R: 20/2mm

Order data

Order number	210260 20/2
GTIN	4045197557490
Item class	21M

Description
Note:

Standard application values for slots milled from solid at $a_{p \max} \leq 0.5 \times D$.

Technical description

Head length l	25 mm
Flute length L_2	15 mm
Milling head Ø D	20 mm
Corner radius	2 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.12 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.1 mm
Arbor size	20 mm
Number of cutting edges Z	4
Series	TopCut
Grade	HB730
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N

Helix angle	30 degrees
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.3 \times D$ for side milling
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.3 \times D$ for side milling
Machining strategy	HPC
Through-coolant	no
Shank type	GARANT TopCut
Type of product	Cutter insert for milling

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	210 m/min	P
Steel < 750 N/mm ²	suitable	170 m/min	P
Steel < 900 N/mm ²	suitable	150 m/min	P
Steel < 1100 N/mm ²	suitable	130 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	110 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	50 m/min	H
Steel < 60 HRC	suitable only under restricted conditions	40 m/min	H
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	50 m/min	M
Ti > 850 N/mm ²	suitable only under restricted conditions	80 m/min	S
GG(G)	suitable	160 m/min	K
Oil	suitable only under restricted conditions		

wet maximum	suitable
wet minimum	suitable only under restricted conditions
dry	suitable only under restricted conditions
Air	suitable

Accessories

Assembly wrench Type 10X4	219987 10X4
Plug-in adapter for torque wrench Type 10X4	219986 10X4
Plug-in adapter for torque wrench Type 16X5	219986 16X5
Assembly wrench Type 16X5	219987 16X5