

Garant
Roughing / finishing milling head, 45° chamfer, HB730, Ø D h10: 10mm

Order data

Order number	210280 10
GTIN	4045197522269
Item class	21M

Description
Note:

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

Technical description

Head length l	18 mm
Cutter Ø D	10 mm
Flute length L ₂	12.5 mm
Corner chamfer width at 45°	0.2 mm
Feed f _z for side milling in steel < 900 N/mm ²	0.05 mm
Feed f _z for slot milling in steel < 900 N/mm ²	0.03 mm
Arbor size	10 mm
Corner chamfer angle	45 degrees
Number of cutting edges Z	4
Series	TopCut
Grade	HB730
Tool material	Solid carbide
Standard	Manufacturer's standard

Type	N
Milling profile	NF
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

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 8X3	219987 8X3
Plug-in adapter for torque wrench Type 8X3	219986 8X3