Garant

Roughing / finishing milling head, 45° chamfer, HB730, ⌀ D h10: 25mm

Order data

Order number	210280 25
GTIN	4045197543127
Item class	21M

Description

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

Technical description

Flute length L_2	32 mm
Head length l	45 mm
Cutter ⌀ D	25 mm
Corner chamfer width at 45°	0.5 mm
Feed f_z for side milling in steel < 900 N/mm^2	0.1 mm
Feed f_z for slot milling in steel < 900 N/mm^2	0.1 mm
Arbor size	24 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/mm²	suitable	210 m/min	P
Steel < 750 N/mm²	suitable	170 m/min	P
Steel < 900 N/mm²	suitable	150 m/min	P
Steel < 1100 N/mm²	suitable	130 m/min	P
Steel < 1400 N/mm²	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/mm²	suitable	80 m/min	M
INOX > 900 N/mm²	suitable only under restricted conditions	50 m/min	M
Ti > 850 N/mm²	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

Plug-in adapter for torque wrench Type 21X5	219986 21X5
Assembly wrench Type 21X5	219987 21X5