Garant

Finish milling head, radius, HB730, ∅ D h10: 12mm

Order data

Order number	210330 12
GTIN	4045197523310
Item class	21M

Technical description

Cutter ∅ D	12 mm
Head length l	22 mm
Flute length L_2	15 mm
Feed f_z for side milling in steel < 900 N/mm^2	0.06 mm
Arbor size	12 mm
Corner rounding r_v	0,6
Number of cutting edges Z	6
Series	TopCut
Grade	HB730
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle	50 degrees
Direction of infeed	horizontal
Cutting width a_e for milling operation	0.1×D for side milling 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 10X4	219986 10X4
Assembly wrench Type 10X4	219987 10X4