

Garant
Face torus milling head, with internal coolant supply, HB730, Ø D h10: 25mm


Order data

Order number	210310 25
GTIN	4045197523297
Item class	21M

Description

Note:

Comply strictly with $a_{p,max}$! Recommended application values (v_c and f_z) apply also to $a_{p,max}$.

Technical description

Flute length L_2	19 mm
maximum cutting depth $a_{p,max}$ in steel < 900 N/mm ²	1.25 mm
Programming radius R_p	4.594 mm
Milling head Ø D	25 mm
Head length l	32 mm
Corner radius	3.75 mm
Feed f_z in steel < 900 N/mm ²	1.3 mm
Arbor size	24 mm
Number of cutting edges Z	5
Grade	HB730
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N

Helix angle	45 degrees
Direction of infeed	horizontal and oblique
Cutting width a_e for milling operation	$0.05 \times D$ for side milling
Machining strategy	HPC
Through-coolant	yes
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 21X5	219987 21X5
Plug-in adapter for torque wrench Type 21X5	219986 21X5