

Garant
Milling head for front and back chamfering, 90°, HB730, Ø D ± 0.01: 20mm

Order data

Order number	210380 20
GTIN	4045197543189
Item class	21M

Description
Note:

$$a_{e\max} = a_{p\max}$$

Technical description

Head length l	20 mm
Cutter Ø D	20 mm
Suitable chuck key No. 219987; No. 219986	13x4
Flute length L ₂	3.5 mm
maximum cutting depth a _{p,max} in steel < 900 N/mm ²	1.8 mm
Corner chamfer angle	45 degrees
Arbor size	16 mm
Feed f _z in steel < 900 N/mm ²	0.12 mm
maximum cutting depth a _{p,max} when slot milling from solid	2.5
Overall length L	37.3 mm
Number of cutting edges Z	6
Series	TopCut
Grade	HB730

Tool material	Solid carbide
Countersink tip angle	90
Standard	Manufacturer's standard
Type	N
Direction of infeed	horizontal
Through-coolant	no
Shank type	GARANT TopCut
Type of product	Threaded copy milling cutter

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 13X4	219987 13X4
Plug-in adapter for torque wrench Type 13X4	219986 13X4