

**Garant****Milling insert for internal threads 60°, HB7720, Pitch: 4,5mm**

## Order data

Order number	218063 4,5
GTIN	4045197447401
Item class	21D

## Description

**Version:****Sturdy** milling inserts for **high feed rates** and **high productivity**.

Double-edged

**Application:****For metric internal threads 60°** to DIN / ISO R 262 (DIN 13) tolerance class 6g.**Note:**

Always fit the thread milling inserts with the marks matching, otherwise the thread will be distorted! (Sides have either a mark or no mark).

Feed  $f_z$  = HB 7720 in steel  $< 750 \text{ N/mm}^2 = 0.25 \text{ mm / tooth}$ .Feed  $f_z$  = HB 7735 in INOX  $> 900 \text{ N/mm}^2 = 0.15 \text{ mm / tooth}$ .

## Technical description

Internal/external application	Internal
Full profile	yes
Thread pitch	4.5 mm
suitable for threads	M42; M45

Number of cutting edges Z	9
Grade	HB7720
Tool material	Carbide
Thread type	M
Thread type	M-LH
Thread type	MF
Thread type	MF-LH
Flank angle	60 degrees
Insert size	41 mm
Cutting direction	right-hand and left-hand
Type of product	Cutter insert for milling

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable only under restricted conditions	140 m/min	N
Aluminium (short chipping)	suitable	120 m/min	N
Alu > 10% Si	suitable	80 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	120 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	110 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	100 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	80 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	60 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	80 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	70 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable	40 m/min	S

GG(G)	suitable only under restricted conditions	70 m/min	K
CuZn	suitable	120 m/min	N
Graphite, GRP, CRP	suitable	120 m/min	N
Uni	suitable		
wet maximum	suitable		