

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

Order data

Order number	218064 4,5
GTIN	4045197447470
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 $f_z = \text{HB 7720 in steel} < 750 \text{ N/mm}^2 = 0.25 \text{ mm / tooth}$.

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

Cutting direction: right-hand and left-hand

Insert size: 41 mm

Technical description

Internal/external application	Internal
Full profile	yes

Coating	TiAlN
Thread pitch	4.5 mm
suitable for threads	M14; M16
Grade	HB7735
Tool material	Carbide
Thread type	M
Thread type	M-LH
Thread type	MF
Thread type	MF-LH
Flank angle	60°
Insert size	41 mm
Cutting direction	right-hand and left-hand
Type of product	Cutter insert for milling

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable only under restricted conditions	120 m/min	P
Steel < 750 N/mm ²	suitable only under restricted conditions	110 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	100 m/min	P
Steel < 1100 N/mm ²	suitable	80 m/min	P
Steel < 1400 N/mm ²	suitable	60 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	25 m/min	H
Steel < 60 HRC	suitable only under restricted conditions	20 m/min	H
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable	70 m/min	M
GG(G)	suitable	70 m/min	K

CuZn	suitable only under restricted conditions	120 m/min	N
Oil	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	suitable		
dry	suitable only under restricted conditions		
Air	suitable only under restricted conditions		