

Garant**Semi-profile insert 30°, external, right-hand, HB7010, Pitch: 3mm**

Order data

Order number	270850 3
GTIN	4045197368225
Item class	21J

Description

Version:

- **Maximum cutting edge reliability, thanks to strong and negative indexable insert.**
- **Wide application range due to optimised universal chip breaker geometry.**
- **Very high repeatability because precision sintered and precision ground.**

Semi-profile – cuts the complete profile and deburrs the tips of the thread flanks. The outer and inner \varnothing are **not** cut with the profile.

- **Compatible with the following insert ISO sizes from other manufacturers:**

Size 16 (L), 3 cutting edges: 3/8 inch (IC).

Semi-profile insert for external threads to DIN 103 tolerance classes: **7e**.

Technical description

Tool material	Carbide
Thread pitch	3 mm
Internal/external application	external
Application type	right-hand
Indexable insert profile	Semi-profile

Grade	HB7010
Tolerance class	DIN 103 7e
Thread type	TR
Thread type	TR-LH
Flank angle	30 degrees
Thickness	3.6 mm
Insert size L	16 mm
Type of product	Indexable insert for thread turning

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable	250 m/min	N
Alu > 10% Si	suitable	180 m/min	N
Steel < 500 N/mm ²	suitable	150 m/min	P
Steel < 750 N/mm ²	suitable	150 m/min	P
Steel < 900 N/mm ²	suitable	130 m/min	P
Steel < 1100 N/mm ²	suitable	100 m/min	P
Steel < 1400 N/mm ²	suitable	90 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	40 m/min	H
INOX < 900 N/mm ²	suitable only under restricted conditions	100 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	100 m/min	M
Ti > 850 N/mm ²	suitable only under restricted conditions	50 m/min	S
GG(G)	suitable	130 m/min	K
CuZn	suitable only under restricted conditions	150 m/min	N
continuous	suitable		

Data sheet

wet maximum	suitable
dry	suitable only under restricted conditions