

Garant**HiPer-Drill cutter insert m7, HB7530, Ø D: 12mm****Order data**

Order number	231640 12
GTIN	4045197709639
Item class	21M

Description**Version:**

Vee ground cutter inserts for precise positioning and stable seating.
Concentricity when assembled $\leq 20 \mu\text{m}$. For holes up to IT9 accuracy.

Note:

Cutting data applies for the base body 5xD.
Drill pilot holes exclusively with cutter insert of the same type.

Technical description

for base body size	12 mm
Feed f in steel $< 900 \text{ N/mm}^2$	0.2 mm/rev.
Ø D	12 mm
Series	HiPer-Drill
Number of changes/inserts	1
Point angle	135 degrees

Grade	HB7530
Tool material	Carbide
Semi-Standard	yes
Number of cutting edges Z	2
Type of product	Cutter insert for boring

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	130 m/min	P
Steel < 750 N/mm ²	suitable	110 m/min	P
Steel < 900 N/mm ²	suitable	100 m/min	P
Steel < 1100 N/mm ²	suitable	90 m/min	P
Steel < 1400 N/mm ²	suitable	75 m/min	P
TOOLOX 33	suitable	40 m/min	H
TOOLOX 44	suitable	35 m/min	H
HARDOX 500 < 1600 N/mm ²	suitable only under restricted conditions	30 m/min	H
GG(G)	suitable only under restricted conditions	80 m/min	K
wet maximum	suitable		