

Garant
Drill thread milling cutter 1.5×D, TiAlN, M: M10

Order data

Order number	139511 M10
GTIN	4062406393151
Item class	11J

Description
Version:

Corrected thread profile for milling **exact internal threads** (ensure stable clamping conditions). **Incorporating a** countersink profile for a 90° countersink. A stronger core diameter, two narrow geometrically optimised chip flutes and a special drill point result in good chip formation and low cutting pressure. **Internal coolant feed.**

Advantage:

Drilling, countersinking and thread milling all with a single tool!

Note:

HB and HE shanks are available at the same price as HA.

HB shank: order with No. **139511+ 12900 HB.**

HE shank: order with No. **139511+ 12900 HE.**

Technical description

Cutter length l_c	17.6 mm
Thread pitch	1.5 mm
Feed f_z in cast aluminium	0.065 mm
Width of groove e_1	1.5 mm
Thread size	M10
Number of clamping slots	2
Shank length L_s	48 mm
Overall length L	80 mm

Shank $\varnothing D_s$	12 mm
Thread depth	15
Cutting edge $\varnothing D_c$	8.08 mm
Programming value for countersink L_1	19.18 mm
Neck $\varnothing D_1$	11 mm
Through-coolant	yes
Coating	TiAlN
Thread type	M-LH
Thread type	M
Flank angle	60 degrees
Tool material	Solid carbide
Thread standard	DIN 13
Shank	DIN 6535 HA with h6
Number of cutting edges Z	2
Application for type of drilling	up to 1.5xD for through holes
Application for type of drilling	up to 1.5xD for blind holes
Countersink angle	90 degrees
Shank tolerance	h6
Colour ring	without
Internal/external application	Internal
Type of product	Combination drill / thread mill

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable	220 m/min	N
Alu > 10% Si	suitable	220 m/min	N
GG(G)	suitable only under restricted conditions	120 m/min	K

CuZn	suitable	330 m/min	N
wet maximum	suitable		
Services			
Shank grinding Type HB		129100 HB	
Shank grinding Type HE		129100 HE	