

Subland drill HSS 90°, vaporised, for threads: M12



Order data

Order number	117060 M12		
GTIN	4045197035837		
Item class	11C		

Description

Version:

Drill and counterbore each with its own chip flutes and guide chamfers. This means the profile of the stepped drill is retained even after repeated regrinding.

Application:

Tapping hole and countersink are produced **in one operation**, precisely aligned.

For drilling tapping holes to DIN 336 sheet 1 with 90° countersinking (similar to DIN 69, medium version).

No. of teeth Z: 2 Through-coolant: no

 \emptyset D₁ 1st step with chamfer h9: 10.2 mm \emptyset D₂ 2nd step with chamfer h8: 13.5 mm

Step height L₁ 1st step: 30 mm

Flute length L_c: 108 mm Overall length L: 160 mm Shank Ø D_c: 13.5 mm

Technical description

Feed f in steel < 750 N/mm ²	0.16 mm/rev.	
Ø D ₁ 1st step with chamfer h9	10.2 mm	
Flute length L _c	108 mm	
Ø D ₂ 2nd step with chamfer h8	13.5 mm	
for threads	M12	
Shank Ø D _s	13.5 mm	
Overall length L	160 mm	



No. of teeth Z	2		
Through-coolant	no		
Step height L ₁ 1st step	30 mm		
Coating	vaporised		
Tool material	HSS		
Standard	DIN 8378		
Tolerance nominal Ø	h9		
Point angle	118°		
Shank	Parallel shank to h8		
Helix angle	20-30°		
Countersink angle	90°		
Shank tolerance	h8		
Colour ring	without		
Application for type of drilling	for blind hole and through hole		
Type of product	Stepped drill		

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	45 m/min	N
Steel < 500 N/mm ²	suitable	40 m/min	Р
Steel < 750 N/mm ²	suitable	30 m/min	Р
Steel < 900 N/mm ²	suitable	25 m/min	Р
GG(G)	suitable	25 m/min	K
CuZn	suitable only under restricted conditions	80 m/min	N
Oil	suitable		
wet maximum	suitable		

