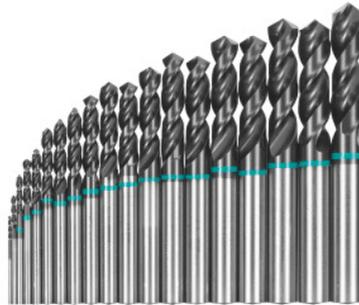


Garant
Stub drill set HSS-E No. 113265, refill set without a case, TiAlN, Type: 1-10

Order data

Order number	113790 1-10
GTIN	4062406233129
Item class	11B

Description
Version:

Made up of stub drills No. 113265.

High concentricity and **special chip flutes** ensure precise bores.

With point geometry shape C from size 2.4 mm.

Advantage:

Ideal for drilling shallow holes (approx. 2 - 4xD) on NC machines and automatic machines.

Through-coolant: no

Shank: Plain shank

Number of cutting edges Z: 2

Drill range: 1 - 10 mm

Number of drills: 19

Incremental steps of drills: 0.5 mm

Technical description

Drill range	1 - 10 mm
Incremental steps of drills	0.5 mm
Number of drills	19

Shank	Plain shank
Number of cutting edges Z	2
Coating	TiAlN
Tool material	HSS E
Standard	DIN 1897
Tolerance nominal \varnothing	h8
Point angle	118°
Through-coolant	no
with case	no
Colour ring	green
Type of product	Jobber drill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable only under restricted conditions	75 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	65 m/min	N
Alu > 10% Si	suitable only under restricted conditions	60 m/min	N
Steel < 500 N/mm ²	suitable	50 m/min	P
Steel < 750 N/mm ²	suitable	40 m/min	P
Steel < 900 N/mm ²	suitable	35 m/min	P
Steel < 1100 N/mm ²	suitable	16 m/min	P
INOX < 900 N/mm ²	suitable	17 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	13 m/min	M
Ti > 850 N/mm ²	suitable only under restricted conditions	8 m/min	S
GG(G)	suitable	40 m/min	K

CuZn	suitable	50 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		

Accessories

Stub drill HSS-E Ø DC h8 6 mm	113265 6
Stub drill HSS-E Ø DC h8 7,5 mm	113265 7,5
Stub drill HSS-E Ø DC h8 4 mm	113265 4
Stub drill HSS-E Ø DC h8 8,5 mm	113265 8,5
Stub drill HSS-E Ø DC h8 9,5 mm	113265 9,5
Stub drill HSS-E Ø DC h8 2 mm	113265 2
Stub drill HSS-E Ø DC h8 1,5 mm	113265 1,5
Stub drill HSS-E Ø DC h8 5 mm	113265 5
Stub drill HSS-E Ø DC h8 6,5 mm	113265 6,5
Stub drill HSS-E Ø DC h8 3 mm	113265 3
Stub drill HSS-E Ø DC h8 5,5 mm	113265 5,5
Stub drill HSS-E Ø DC h8 9 mm	113265 9
Stub drill HSS-E Ø DC h8 2,5 mm	113265 2,5
Stub drill HSS-E Ø DC h8 4,5 mm	113265 4,5
Stub drill HSS-E Ø DC h8 10 mm	113265 10
Stub drill HSS-E Ø DC h8 7 mm	113265 7
Stub drill HSS-E Ø DC h8 8 mm	113265 8
Stub drill HSS-E Ø DC h8 1 mm	113265 1
Stub drill HSS-E Ø DC h8 3,5 mm	113265 3,5