



Plain shank thread mill with countersinking step 2×D, TiAlN, UNF: 1/2-20



Order data

Order number	139726 1/2-20
GTIN	4045197366818
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.

Advantage:

Countersinking and thread milling in one operation!

Application:

For **UNF unified fine threads** ASME-B1.1.

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 139728.

Countersink angle: 90 degrees

Thread type: UNF

Thread type: UNF-LH

No. of teeth Z: 3

Threads per inch: 20

Hole $\varnothing d_1$: 9.38 mm

Shank length L_s : 45 mm

Overall length L_{tot} : 89 mm

Shank \varnothing : 14 mm

maximum countersink $\varnothing d_3$: 13 mm

Technical description

Programming value for countersink l_1	27.4 mm
Thread pitch	1.27 mm

Number of clamping slots	3
No. of teeth Z	3
Feed f_z in steel < 1100 N/mm ²	0.05 mm
maximum countersink $\varnothing d_3$	13 mm
Hole $\varnothing d_1$	9.38 mm
Threads per inch	20
Shank \varnothing	14 mm
Overall length L_{tot}	89 mm
Shank length L_s	45 mm
Hole \varnothing	9.38 mm
Full profile	yes
Thread depth	25.4 mm
Thread type	UNF
Thread type	UNF-LH
Thread size	1/2-20
Coating	TiAlN
Flank angle	60 degrees
Tool material	Solid carbide
Skaft	DIN 6535 HA with h6
Through-coolant	yes
Application for type of drilling	up to 2xD for blind holes and through holes
Countersink angle	90 degrees
Shank tolerance	h6
Colour ring	green
Internal/external application	Internal