

**Garant**
**Left-hand thread blind hole machine tap, TiN, MF: M45X1**

**Order data**

Order number	130016 M45X1
GTIN	4062406024918
Item class	10N

**Description**
**Note:**

Delivery time: 49 calendar days  
 Minimum order quantity: 1 pc.  
 Special / custom-made product - return not possible  
 Thread type: M/MF-LH  
 Tool material: HSS E  
 Standard: DIN 376  
 Tolerance class: ISO 1 4H  
 Tolerance class: ISO 1X 4HX  
 Tolerance class: ISO 2 6H  
 Thread pitch: 1 mm  
 Overall length L: 220 mm  
 Shank  $\varnothing D_s$ : 36 mm  
 Shank square  $\square$ : 29 mm  
 Tapping hole  $\varnothing$ : 44 mm

**Technical description**

Standard	DIN 376
Shank $\varnothing D_s$	36 mm
Thread depth	90 mm
Thread $\varnothing$	45 mm
Tolerance class	ISO 1 4H
Tolerance class	ISO 1X 4HX

Tolerance class	ISO 2 6H
Tolerance class	ISO 2X 6HX
Tolerance class	6H +0.05
Tolerance class	6H +0.20
Tolerance class	ISO 3 6G
Tolerance class	ISO 3X 6GX
Tolerance class	7H
Tolerance class	7HX
Tolerance class	7G
Tolerance class	7GX
Tolerance class	6H +0.10
Number of cutting edges Z	4
Thread pitch	1 mm
Number of clamping slots	4
Shank square □	29 mm
Tapping hole Ø	44 mm
Overall length L	220 mm
Tool material	HSS E
Thread type	M/MF-LH
Thread size	M45×1
Coating	TiN
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	C
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2.5×D for blind holes
Cutting direction	left-hand
Type of threading tool	Machine tap for conventional machining

Colour ring	without
Type of product	Tap