

**Garant**
**Left-hand thread through hole machine tap, TiN, MF: M21X1,5**

**Order data**

|              |                |
|--------------|----------------|
| Order number | 130006 M21X1,5 |
| GTIN         | 4062406008819  |
| Item class   | 10N            |

**Description**
**Note:**

Delivery time: 49 calendar days  
 Minimum order quantity: 1 pc.  
 Special / custom-made product - return not possible  
 Thread type: 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: 1.5 mm  
 Overall length L: 140 mm  
 Shank  $\varnothing D_s$ : 18 mm  
 Shank square  $\square$ : 14.5 mm  
 Tapping hole  $\varnothing$ : 19.5 mm

**Technical description**

|                            |         |
|----------------------------|---------|
| Thread depth               | 63 mm   |
| Tapping hole $\varnothing$ | 19.5 mm |
| Overall length L           | 140 mm  |
| Standard                   | DIN 376 |
| Number of clamping slots   | 3       |
| Number of cutting edges Z  | 3       |

|                                  |  |
|----------------------------------|--|
| Shank $\varnothing D_s$          | 18 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                               |
| Thread $\varnothing$             | 21 mm                                  |
| Thread pitch                     | 1.5 mm                                 |
| Shank square $\square$           | 14.5 mm                                |
| Tool material                    | HSS E                                  |
| Thread type                      | MF-LH                                  |
| Thread size                      | M21 $\times$ 1.5                       |
| Coating                          | TiN                                    |
| Flank angle                      | 60°                                    |
| Thread standard                  | DIN 13                                 |
| Taper lead form                  | B                                      |
| Shank                            | Plain shank with h9                    |
| Through-coolant                  | no                                     |
| Application for type of drilling | up to 3 $\times$ D for through holes   |
| Cutting direction                | left-hand                              |
| Type of threading tool           | Machine tap for conventional machining |

|                 |         |
|-----------------|---------|
| Colour ring     | without |
| Type of product | Tap     |