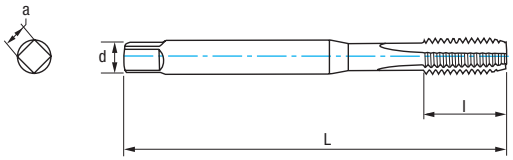
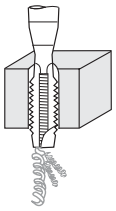
# Ref. 3120

Gwintownik maszynowy prosty uniwersalny




HSSE V | TIN | DIN 371 | B 3,5-5h | Tol. 6H | α 10 - 12° | 60°



≤ 2D

| M | P | L mm | l mm | d mm | a mm | Z | N° Art. TIN | € |
|---|---|---|---|---|---|---|---|---|
| **M3** | **0,50** | 56 | 11 | 3,50 | 2,70 | 3 | 28046 | **23,30** |
| **M4** | **0,70** | 63 | 13 | 4,50 | 3,40 | 3 | 28047 | **23,60** |
| **M5** | **0,80** | 70 | 16 | 6,00 | 4,90 | 3 | 28048 | **24,54** |
| **M6** | **1,00** | 80 | 17 | 6,00 | 4,90 | 3 | 28049 | **24,62** |
| **M8** | **1,25** | 90 | 20 | 8,00 | 6,20 | 3 | 28050 | **28,51** |
| **M10** | **1,50** | 100 | 24 | 10,00 | 8,00 | 3 | 28051 | **33,36** |

| Materiały | | Vc (m/min) |
|---|---|---|
| Grupa | Sub. | TIN |
| P | P.1 | 10-12 |
| | P.2 | 4-6 |
| | P.5 | 4-7 |
| M | | 6-10 |
| K | K.1 | 8-12 |
| | K.2 | 7-10 |
| N | N.1 | 8-12 |
| | N.2 | 12-20 |
| | N.4 | 12-20 |
| | N.5 | 12-20 |
| | N.6 | 10-15 |

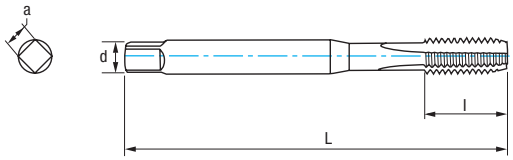
**Prędkość posuwu f = P**

**Vf (mm/min.) = r.p.m. x f**

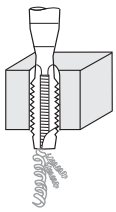
$$\text{r.p.m.} = \frac{Vc \times 1.000}{\pi \times ø}$$

# Ref. 3220

Gwintownik maszynowy prosty uniwersalny




HSSE V | TIN | DIN 376 | B 3,5-5h | Tol. 6H | α 10 - 12° | 60°



≤ 2D

| M | P | L mm | l mm | d mm | a mm | Z | N° Art. TIN | € |
|---|---|---|---|---|---|---|---|---|
| **M12** | **1,75** | 110 | 24 | 9,00 | 7,00 | 3 | 28075 | **42,38** |
| **M14** | **2,00** | 110 | 26 | 11,00 | 9,00 | 3 | 28077 | **55,30** |
| **M16** | **2,00** | 110 | 27 | 12,00 | 9,00 | 3 | 28079 | **61,08** |
| **M18** | **2,50** | 125 | 30 | 14,00 | 11,00 | 4 | 28081 | **87,56** |
| **M20** | **2,50** | 140 | 32 | 16,00 | 12,00 | 4 | 28083 | **90,10** |

| Materiały | | Vc (m/min) |
|---|---|---|
| Grupa | Sub. | TIN |
| P | P.1 | 10-12 |
| | P.2 | 4-6 |
| | P.5 | 4-7 |
| M | | 6-10 |
| K | K.1 | 8-12 |
| | K.2 | 7-10 |
| N | N.1 | 8-12 |
| | N.2 | 12-20 |
| | N.4 | 12-20 |
| | N.5 | 12-20 |
| | N.6 | 10-15 |

**Prędkość posuwu f = P**

**Vf (mm/min.) = r.p.m. x f**

$$\text{r.p.m.} = \frac{Vc \times 1.000}{\pi \times ø}$$