

# 8243941 | DAGGER solid carbide drill -TivolyNorm -Z3

## -Helical dagger reamer

Drill for carbon and carbon/aluminium (3xØ). Thicknesses > 5mm. Helico dagger type.



- Made in France
- Allows the enlargement of existing holes
- High precision drilling and reaming
- Monobloc carbide
- Avoiding delamination

### Machine



### Application

| N 1.1                                  | N 1.2                                         | N 1.3                                                     | N 1.4.1                                           | N 1.4.2                                  | N 1.4                                                | O 1               | O 3.1                                     | O 3.2                                       | O 3          |
|----------------------------------------|-----------------------------------------------|-----------------------------------------------------------|---------------------------------------------------|------------------------------------------|------------------------------------------------------|-------------------|-------------------------------------------|---------------------------------------------|--------------|
| N1-1- Aluminum-Series 1000 Alloy: Pure | N1-2- Aluminum-Series 2000 Alloy: with copper | N1-3- Alloy based on aluminum-series 3000: with manganese | N1-4-1- Aluminum-based alloy-4000 series: Silicon | N1-4-2- Aluminum Alloy-Series 4000: 0,5% | N1-4- based alloy Aluminum-4000 Series: With Silicon | O1- Thermoplastic | O3-1- Plastic-Reinforced Fiberglass (PRV) | O3-2- Plastic-Reinforced Carbon Fiber (FPC) | O3- PLASTICS |

### Features



### Properties and benefits

- + Monobloc carbide (Milling) : Tungsten carbide. ➡ Micrograin carbide for stable cutting edges and better wear resistance.
- + Avoiding delamination : Anti-delamination sharpening. ➡ Cutting geometry to avoid fibre breakage when machining composite materials (CFRP, GFRD, Carbide, Glass fiber, Kevlar...)



| Code        | EAN           | Ø    | d2/CM | L   | I  | lu | QTY | PCB |
|-------------|---------------|------|-------|-----|----|----|-----|-----|
| 82439410240 | 3221910886707 | 2.4  | 2.4   | 100 | 60 |    | 1   | 1   |
| 82439410250 | 3221910886714 | 2.5  | 2.5   | 100 | 60 |    | 1   | 1   |
| 82439410300 | 3221910886721 | 3    | 3     | 100 | 60 |    | 1   | 1   |
| 82439410310 | 3221910886738 | 3.1  | 3.1   | 100 | 60 |    | 1   | 1   |
| 82439410320 | 3221910886745 | 3.2  | 3.2   | 100 | 60 |    | 1   | 1   |
| 82439410330 | 3221910886752 | 3.3  | 3.3   | 100 | 60 |    | 1   | 1   |
| 82439410350 | 3221910886769 | 3.5  | 3.5   | 100 | 60 |    | 1   | 1   |
| 82439410370 | 3221910886776 | 3.7  | 3.7   | 100 | 60 |    | 1   | 1   |
| 82439410375 | 3221910886783 | 3.75 | 3.75  | 100 | 60 |    | 1   | 1   |
| 82439410380 | 3221910886790 | 3.8  | 3.8   | 100 | 60 |    | 1   | 1   |
| 82439410390 | 3221910886806 | 3.9  | 3.9   | 100 | 60 |    | 1   | 1   |
| 82439410400 | 3221910886813 | 4    | 4     | 100 | 60 |    | 1   | 1   |
| 82439410410 | 3221910886820 | 4.1  | 4.1   | 100 | 60 |    | 1   | 1   |
| 82439410420 | 3221910886837 | 4.2  | 4.2   | 100 | 60 |    | 1   | 1   |
| 82439410430 | 3221910886844 | 4.3  | 4.3   | 100 | 60 |    | 1   | 1   |
| 82439410450 | 3221910886851 | 4.5  | 4.5   | 100 | 60 |    | 1   | 1   |
| 82439410460 | 3221910886868 | 4.6  | 4.6   | 100 | 60 |    | 1   | 1   |
| 82439410470 | 3221910886875 | 4.7  | 4.7   | 100 | 60 |    | 1   | 1   |
| 82439410476 | 3221910886882 | 4.76 | 4.76  | 100 | 60 |    | 1   | 1   |
| 82439410480 | 3221910886899 | 4.8  | 4.8   | 100 | 60 |    | 1   | 1   |
| 82439410500 | 3221910886905 | 5    | 5     | 100 | 60 |    | 1   | 1   |
| 82439410510 | 3221910886912 | 5.1  | 5.1   | 100 | 60 |    | 1   | 1   |
| 82439410520 | 3221910886929 | 5.2  | 5.2   | 100 | 60 |    | 1   | 1   |

Drill for carbon and carbon/aluminium (3xØ). Thicknesses > 5mm. Helico dagger type.

|             |               |      |      |     |    |   |   |
|-------------|---------------|------|------|-----|----|---|---|
| 82439410530 | 3221910886936 | 5.3  | 5.3  | 100 | 60 | 1 | 1 |
| 82439410540 | 3221910886943 | 5.4  | 5.4  | 100 | 60 | 1 | 1 |
| 82439410550 | 3221910886950 | 5.5  | 5.5  | 100 | 60 | 1 | 1 |
| 82439410580 | 3221910886967 | 5.8  | 5.8  | 100 | 60 | 1 | 1 |
| 82439410600 | 3221910886974 | 6    | 6    | 100 | 60 | 1 | 1 |
| 82439410610 | 3221910886981 | 6.1  | 6.1  | 100 | 60 | 1 | 1 |
| 82439410620 | 3221910886998 | 6.2  | 6.2  | 100 | 60 | 1 | 1 |
| 82439410630 | 3221910887001 | 6.3  | 6.3  | 100 | 60 | 1 | 1 |
| 82439410635 | 3221910887018 | 6.35 | 6.35 | 100 | 60 | 1 | 1 |
| 82439410650 | 3221910887025 | 6.5  | 6.5  | 100 | 60 | 1 | 1 |
| 82439410700 | 3221910887032 | 7    | 7    | 100 | 60 | 1 | 1 |
| 82439410751 | 3221910887049 | 7.51 | 7.51 | 100 | 60 | 1 | 1 |
| 82439410790 | 3221910887056 | 7.9  | 7.9  | 100 | 60 | 1 | 1 |
| 82439410793 | 3221910887063 | 7.94 | 7.94 | 100 | 60 | 1 | 1 |
| 82439410800 | 3221910887070 | 8    | 8    | 100 | 60 | 1 | 1 |
| 82439410900 | 3221910887087 | 9    | 9    | 100 | 60 | 1 | 1 |
| 82439410950 | 3221910887094 | 9.5  | 9.5  | 100 | 60 | 1 | 1 |
| 82439410952 | 3221910887100 | 9.53 | 9.53 | 100 | 60 | 1 | 1 |
| 82439411000 | 3221910887117 | 10   | 10   | 100 | 60 | 1 | 1 |