# K-2 END MILLS

PLAIN SHANK **G9H73 SERIES**

FLAT SHANK **G9H74 SERIES**

## CARBIDE, 4 FLUTE MULTIPLE HELIX SHORT LENGTH WITH CHAMFER

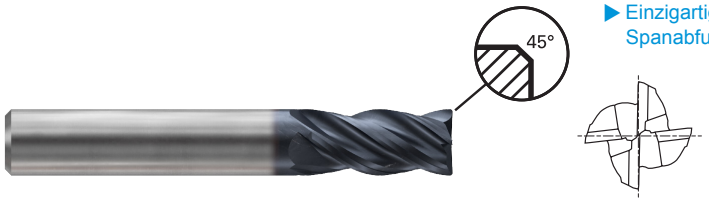
**HARTMETALL, 4-SCHNEIDEN-VARIABLER DRALL KURZE LÄNGE MIT FASE**

**FRAISE CARBURE, 4 DENTS, HÉLICE MULTIPLE, COURTE**

**MD, 4 TAGLIENTI, PASSO ED ELICA DIFFERENZIATI, SPIGOLO CON SMUSSO 45°**

- New Coating enhances heat and oxidation resistance
- Multiple Helix Designed for Optimal Chip Formation and Chip Evacuation
- Unique Geometry applied to Reduce Vibration

- Neue Beschichtung verbessert die Hitze- und Oxidationsbeständigkeit
- Multiple Helix Design zur Reduzierung von Vibrationen
- Einzigartige Geometrie für optimale Spanbildung und Spanabfuhr





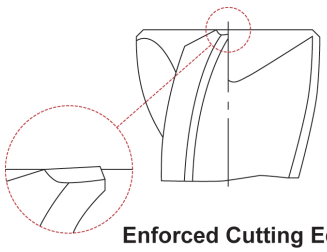

CARBIDE | DIN 6527 | 4 | 35°/37° | PLAIN | FLAT | C x 45° | X Coating | p.C643

| Recommended ToolHolder | Flat Shank | Plain Shank |
|---|---|---|
| | END MILL HOLDER | HYDRAULIC CHUCK POWER MILLING CHUCK |
| | - | SHRINK FIT HOLDER |
| | - | ER COLLET CHUCK SK SLIM CHUCK |

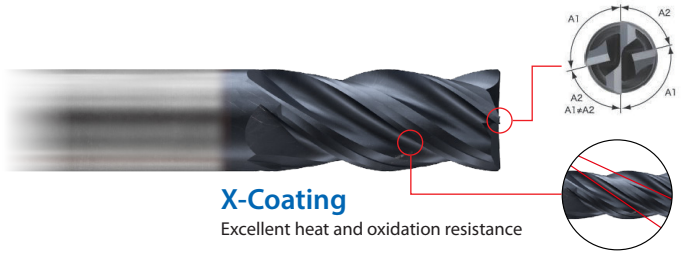
Unit : mm

| EDP No. PLAIN | EDP No. FLAT | Mill Diameter | Shank Diameter | Length of Cut | Overall Length | Chamfer |
|---|---|---|---|---|---|---|
| G9H73030N | G9H74030N | 3.0 | 6 | 5 | 50 | 0.10 |
| G9H73040N | G9H74040N | 4.0 | 6 | 8 | 54 | 0.15 |
| G9H73050N | G9H74050N | 5.0 | 6 | 9 | 54 | 0.15 |
| G9H73060N | G9H74060N | 6.0 | 6 | 10 | 54 | 0.20 |
| G9H73080N | G9H74080N | 8.0 | 8 | 12 | 58 | 0.20 |
| G9H73100N | G9H74100N | 10.0 | 10 | 14 | 66 | 0.30 |
| G9H73120N | G9H74120N | 12.0 | 12 | 16 | 73 | 0.35 |
| G9H73160N | G9H74160N | 16.0 | 16 | 22 | 82 | 0.40 |
| G9H73200N | G9H74200N | 20.0 | 20 | 26 | 92 | 0.50 |

| Mill Dia. Tolerance(mm) | Shank Dia. Tolerance |
|---|---|
| 0 ~ - 0.03 | h5 |



**Enforced Cutting Edge**




### Unequal Index

Exclusively Designed Unique Geometry applied to Reduce Vibration and also to achieve Excellent Chip Evacuation with Better Surface Finish

### X-Coating

Excellent heat and oxidation resistance

### Multiple Helix

Multiple Helix Designed for Optimal Chip Formation and Chip Evacuation Concluding Faster and Heavier Cutting making Higher Productivity

◎ : Excellent ○ : Good

| ISO | P | | | | | | | | | | | M | | | K | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Material Description | Non-alloy steel | | | | | Low alloy steel | | | | High alloyed steel, and tool steel | | Stainless steel | | | Grey cast iron | | Nodular cast iron | | Malleable cast iron | |
| VDI 3323 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| HRc | | 13 | 25 | 28 | 32 | 10 | 29 | 32 | 38 | 15 | 35 | 15 | 23 | 10 | 10 | 26 | 3 | 25 | | 21 |
| HB | 125 | 190 | 250 | 270 | 300 | 180 | 275 | 300 | 350 | 200 | 325 | 200 | 240 | 180 | 180 | 260 | 160 | 250 | 130 | 230 |
| Recommend | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

| ISO | N | | | | | | | | | | S | | | | | | | H | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Material Description | Aluminum-wrought alloy | | Aluminum-cast, alloyed | | | Copper and Copper Alloys (Bronze / Brass) | | | Non Metallic Materials | | Heat Resistant Super Alloys | | | | | Titanium Alloys | | Hardened steel | | Chilled Cast Iron | Hardened Cast Iron |
| VDI 3323 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| HRc | | | | | | | | | | | 15 | 30 | 25 | 38 | 34 | | | 55 | 60 | 42 | 55 |
| HB | 60 | 100 | 75 | 90 | 130 | 110 | 90 | 100 | | | 200 | 280 | 250 | 350 | 320 | 400 Rm | 1050 Rm | 550 | 630 | 400 | 550 |
| Recommend | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | |