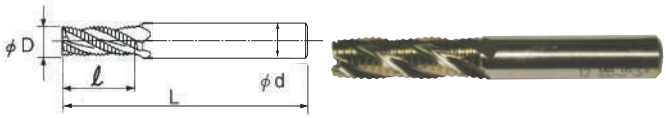
## Roughing End Mill

NACHI นาชิ

### Roughing End Mill - Medium
**ดอกเอ็นมิลล์กัดหยาบ HSS-Co (กัดหนักพิเศษ)**




**List 6304** HSS Co · HELIX N

- For heavy duty milling of large work pieces. Produce low milling resistance & easy discharge. This is general roughing end mill, with long shank length & medium length of cut.

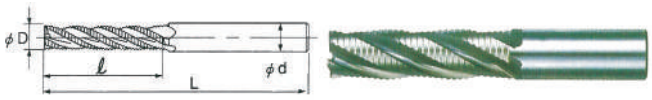
**KT Code** **NA6304_(dia.)** เช่น dia. 6 mm : NA6304_0600

| ขนาด Mill Dia. ØD (mm) | Length of Cut ℓ (mm) | Overall Length L (mm) | Shank Dia. Ød (mm) | No of Flutes | ราคา (บาท) |
|---|---|---|---|---|---|
| 6 | 20 | 60 | 6 | 4 | |
| 8 | 25 | 75 | 10 | 4 | |
| 10 | 35 | 85 | 10 | 4 | |
| 12 | 40 | 90 | 12 | 4 | |
| 14 | 45 | 100 | 16 | 4 | |
| 15 | 45 | 100 | 16 | 4 | |
| 16 | 50 | 105 | 16 | 4 | |
| 18 | 50 | 115 | 20 | 4 | |
| 20 | 55 | 120 | 20 | 4 | |
| 22 | 60 | 120 | 20 | 4 | |
| 24 | 70 | 140 | 25 | 4 | |
| 25 | 70 | 140 | 25 | 4 | |
| 28 | 70 | 140 | 25 | 4 | |
| 30 | 80 | 165 | 32 | 4 | |
| 32 | 80 | 165 | 32 | 5 | |
| 35 | 90 | 175 | 32 | 5 | |
| 40 | 100 | 185 | 32 | 5 | |
| 45 | 110 | 195 | 42 | 6 | |
| 50 | 120 | 205 | 42 | 6 | |

**Tolerance of Mill Dia : ±100 μm**
**Tolerance of Shank Dia : h7**

Cutting Condition : **B60**

### Roughing End Mill - Long
**ดอกเอ็นมิลล์กัดหยาบ HSS-Co คมกัดยาว (กัดหนักพิเศษ)**




**List 6306** HSS Co · HELIX N

- This is general roughing end mill, with long shank length & long length of cut.

**KT Code** **NA6306_(dia.)** เช่น dia. 12 mm : NA6306_1200

| ขนาด Mill Dia. ØD (mm) | Length of Cut ℓ (mm) | Overall Length L (mm) | Shank Dia. Ød (mm) | No of Flutes | ราคา (บาท) |
|---|---|---|---|---|---|
| 12 | 55 | 105 | 12 | 4 | |
| 14 | 55 | 110 | 16 | 4 | |
| 15 | 65 | 120 | 16 | 4 | |
| 16 | 65 | 120 | 16 | 4 | |
| 18 | 65 | 130 | 20 | 4 | |
| 20 | 75 | 140 | 20 | 4 | |
| 22 | 75 | 140 | 20 | 4 | |
| 24 | 90 | 160 | 25 | 4 | |
| 25 | 90 | 160 | 25 | 4 | |
| 28 | 90 | 160 | 25 | 4 | |
| 30 | 105 | 190 | 32 | 4 | |
| 32 | 105 | 190 | 32 | 5 | |
| 35 | 115 | 200 | 32 | 5 | |
| 40 | 125 | 210 | 32 | 5 | |
| 45 | 130 | 230 | 42 | 6 | |
| 50 | 140 | 250 | 42 | 6 | |

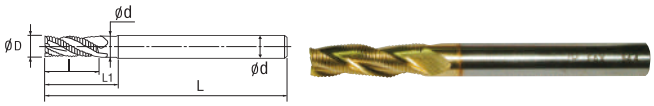
**Tolerance of Mill Dia. : ±100 μm**
**Tolerance of Shank Dia : h7**

Cutting Condition : **B60**

## SG-FAX Roughing End Mill

NACHI นาชิ

### SG-FAX Roughing - Medium
**ดอกเอ็นมิลล์กัดหยาบ PM-HSS เคลือบ SG-Coating**




**List 7302P** SG · FAX · HELIX N

- High grade PM-HSS with multi-layer of SG-Coating. Two Times faster feed over conventional type. Cutting efficiency similar to carbide end mills.

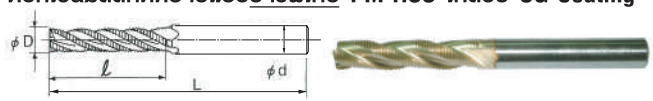
**KT Code** **NA7302P(dia.)** เช่น dia. 6 mm : NA7302P0600

| ขนาด Dia. of Mill ØD (mm) | Length of Cut ℓ (mm) | Neck Length L1 (mm) | Overall Length L (mm) | Shank Dia. Ød (mm) | Number of Flutes | ราคา (บาท) |
|---|---|---|---|---|---|---|
| 6 | 16 | - | 80 | 6 | 3 | |
| 8 | 25 | - | 90 | 8 | 3 | |
| 10 | 32 | - | 100 | 10 | 3 | |
| 12 | 40 | - | 110 | 12 | 4 | |
| 14 | 40 | - | 110 | 12 | 4 | |
| 15 | 40 | 53 | 125 | 16 | 4 | |
| 16 | 48 | 56 | 125 | 16 | 4 | |
| 18 | 48 | - | 125 | 16 | 4 | |
| 20 | 56 | 70 | 140 | 20 | 4 | |
| 22 | 56 | - | 140 | 20 | 4 | |
| 24 | 67 | - | 160 | 20 | 5 | |
| 25 | 67 | 88 | 160 | 25 | 5 | |
| 28 | 67 | - | 160 | 25 | 5 | |
| 30 | 67 | - | 160 | 25 | 5 | |
| 32 | 80 | 112 | 180 | 32 | 6 | |
| 35 | 80 | - | 180 | 32 | 6 | |
| 40 | 95 | - | 200 | 32 | 6 | |
| 45 | 95 | - | 200 | 42 | 6 | |
| 50 | 112 | - | 220 | 42 | 6 | |

**Tolerance of Mill Dia : ±100 μm**
**Tolerance of Shank Dia : h7**

Cutting Condition : **B60**

### SG-FAX Roughing - Long
**ดอกเอ็นมิลล์กัดหยาบแบบยาวพิเศษ PM-HSS เคลือบ SG-Coating**




**List 7304P** SG · FAX · HELIX N

- High grade PM-HSS with multi-layer of SG-Coating. Two Times faster feed over conventional type. Cutting efficiency similar to carbide end mills.

**KT Code** **NA7304P(dia.)** เช่น dia. 6 mm : NA7304P0600

| ขนาด Dia. of Mill ØD (mm) | Length of Cut ℓ (mm) | Overall Length L (mm) | Shank Dia. Ød (mm) | Number of Flutes | ราคา (บาท) |
|---|---|---|---|---|---|
| 6 | 26 | 80 | 6 | 3 | |
| 8 | 35 | 90 | 8 | 3 | |
| 10 | 45 | 100 | 10 | 3 | |
| 12 | 53 | 110 | 12 | 4 | |
| 14 | 53 | 110 | 12 | 4 | |
| 15 | 53 | 125 | 16 | 4 | |
| 16 | 63 | 125 | 16 | 4 | |
| 18 | 63 | 125 | 16 | 4 | |
| 20 | 75 | 140 | 20 | 4 | |
| 22 | 75 | 140 | 20 | 4 | |
| 24 | 90 | 160 | 20 | 5 | |
| 25 | 90 | 160 | 25 | 5 | |
| 28 | 90 | 160 | 25 | 5 | |
| 30 | 90 | 160 | 25 | 5 | |
| 32 | 106 | 180 | 32 | 6 | |
| 35 | 106 | 180 | 32 | 6 | |
| 40 | 125 | 200 | 32 | 6 | |
| 45 | 125 | 230 | 42 | 6 | |
| 50 | 150 | 250 | 42 | 6 | |

**Tolerance of Mill Dia : ±100 μm**
**Tolerance of Shank Dia : h7**

Cutting Condition : **B60**