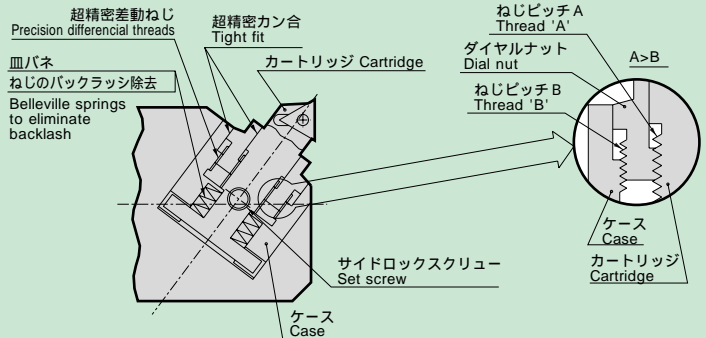


<ボーリングシステム> **NEW** ファインカット PAT.P <BORING SYSTEM> **NEW FINECUT**

特長 Features

- ～調整精度「あと0.01」から「あと0.002」へ～
- ～バーニアなしで1目盛0.002φ～
- Adjustable in φ0.002mm increments without vernier.
- ・1目盛り0.002 (mm/φ) で補正作業が思いのまま!!
- ・Easy adjustment in φ0.002mm increments!!

P.13



<超精密差動ねじ構造>
DIFFERENTIAL THREADS MECHANISM

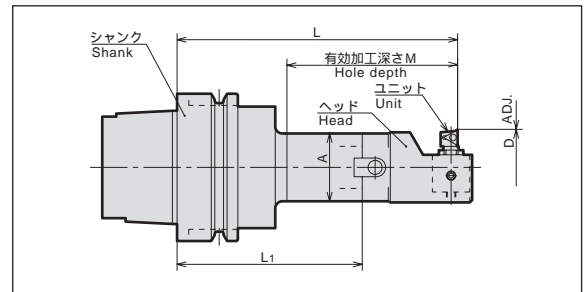
ダイヤルナットを1回転させる
One full turn of dial
↓
カートリッジがピッチ差分移動する
Cartridge is moved by pitch difference.

[バーチカル型]

[Vertical Type]

HSKA (No.) - FIC (D) MIN VN - (L) - S

SHOWA TOOL CO., LTD.



| CODE | | | | シャク SHANK | ヘッド HEAD | ユニット UNIT | 加工径(D) RANGE | 微調整量 ADJUST. | L | M | L1 | A | N/W (kg) | PRICE (Yen) | |
|---------|-----------------|--------|---------|-----------|-----------|-----------|--------------|--------------|-----|-----|-----|----|----------|-------------|--------|
| HSKA63 | -FIC 32VN 135 S | 320085 | HSKA63 | SBS2 135 | FCH32VN | FIC0VN | 32 ~ 37 | 0.2 | 135 | 100 | 98 | 31 | 1.5 | 79,640 | |
| | FIC 36VN 135 S | 320086 | | | FCH36VN | FIC1VN | 36 ~ 41 | | | | | | 1.5 | | |
| | FIC 40VN 135 S | 320087 | | | FCH40VN | FIC2VN | 40 ~ 54 | | | | | | 1.5 | | |
| | FIC 50VN 135 S | 320088 | | | FCH50VN | FIC3VN | 50 ~ 69 | | | | | | 2.2 | | |
| | FIC 66VN 135 S | 320089 | | SBS4 135 | FCH66VN | FIC3VN | 66 ~ 87 | 0.4 | 165 | 130 | 100 | 64 | 5.2 | 3.1 | 95,190 |
| | FIC 84VN 165 S | 320090 | | SBS5 165 | FCH84VN | | 84 ~ 105 | | | | | | | 8.0 | |
| | FIC102VN 200 S | 320091 | | SBS6 200 | FCH102VN | | 102 ~ 123 | | | | | | | 8.2 | |
| | FIC120VN 200 S | 320092 | | FCH120VN | 120 ~ 141 | | 8.2 | | | | | | | | |
| HSKA100 | FIC 32VN 165 S | 350120 | HSKA100 | SBS2 165 | FCH32VN | FIC0VN | 32 ~ 37 | 0.2 | 165 | 119 | 128 | 31 | 3.5 | 90,130 | |
| | FIC 36VN 165 S | 350121 | | | FCH36VN | FIC1VN | 36 ~ 41 | | | | | | 3.5 | | |
| | FIC 40VN 165 S | 350122 | | | FCH40VN | FIC2VN | 40 ~ 54 | | | | | | 3.5 | | |
| | FIC 50VN 165 S | 350123 | | | FCH50VN | FIC3VN | 50 ~ 69 | | | | | | 4.2 | | |
| | FIC 50VN 225 S | 350124 | | SBS3 165 | FCH66VN | FIC3VN | 66 ~ 87 | 0.3 | 225 | 179 | 181 | 42 | 4.9 | 102,180 | |
| | FIC 66VN 165 S | 350125 | | SBS3 225 | | | | | | | | | | 121 | 4.9 |
| | FIC 66VN 240 S | 350126 | | SBS4 165 | | | | | | | | | | 165 | 5.2 |
| | FIC 66VN 285 S | 350127 | | SBS4 240 | | | | | | | | | | 240 | 6.5 |
| | FIC 84VN 165 S | 350128 | | SBS4 285 | FCH84VN | FIC3VN | 84 ~ 105 | 0.4 | 285 | 239 | 232 | 54 | 7.3 | 113,190 | |
| | FIC 84VN 240 S | 350129 | | SBS5 165 | | | | | | | | | | 165 | 6.7 |
| | FIC 84VN 330 S | 350130 | | SBS5 240 | | | | | | | | | | 240 | 8.6 |
| | FIC102VN 185 S | 350131 | | SBS5 330 | | | | | | | | | | 330 | 10.9 |
| | FIC102VN 240 S | 350132 | | SBS6 185 | FCH102VN | FIC3VN | 102 ~ 123 | 0.4 | 185 | 139 | 113 | 82 | 10.0 | 128,240 | |
| | FIC102VN 330 S | 350133 | | SBS6 240 | | | | | | | | | | 240 | 12.4 |
| | FIC120VN 185 S | 350134 | | SBS6 330 | | | | | | | | | | 330 | 16.1 |
| | FIC120VN 240 S | 350135 | | SBS6 185 | | | | | | | | | | 185 | 10.2 |
| | FIC120VN 330 S | 350136 | | SBS6 240 | FCH120VN | FIC3VN | 120 ~ 141 | 0.4 | 240 | 194 | 168 | 82 | 12.6 | 130,660 | |
| | FIC138VN 185 S | 350137 | | SBS6 330 | | | | | | | | | | 330 | 16.3 |
| | FIC138VN 240 S | 350138 | | SBS6 185 | | | | | | | | | | 185 | 11.0 |
| | FIC138VN 330 S | 350139 | | SBS6 240 | | | | | | | | | | 240 | 13.4 |
| | FIC156VN 185 S | 350140 | | SBS6 330 | FCH138VN | FIC3VN | 138 ~ 159 | 0.4 | 240 | 194 | 168 | 82 | 13.4 | 130,660 | |
| | FIC156VN 240 S | 350141 | | SBS6 185 | | | | | | | | | | 185 | 11.6 |
| | FIC156VN 330 S | 350142 | | SBS6 240 | | | | | | | | | | 240 | 14.0 |
| | FIC156VN 330 S | 350142 | | SBS6 330 | | | | | | | | | | 330 | 17.7 |

- 1.クーラントパイプは付属しております。
- 2.チップは付属していません。別途お求め下さい。→P.93
- 3.刃先とドライブキーは同位相です。
- 4.特殊品も製作致します。
- 5.切削条件については、13頁をご覧ください。
- 6.アクセサリは143頁をご覧ください。

- 1.Coolant pipe is included.
- 2.Inserts are sold separately. Please refer to P.93
- 3.Inserts are in phase with the drive key.
- 4.Specials are manufactured to orders.
- 5.Please refer to P.13 for cutting conditions.
- 6.Please refer to P.143 for accessory.

HSKA63 - FIC 32VN - 135S 注文例 Ordering Example

Set
GL長さ L G.L. Length
バーチカル型 Vertical Type
Min. φD
呼称 Name
シャクサイズ Shank Size