

HIGH SPEED SPINDLE SPEEDER

NIKKEN



10,000~40,000min⁻¹

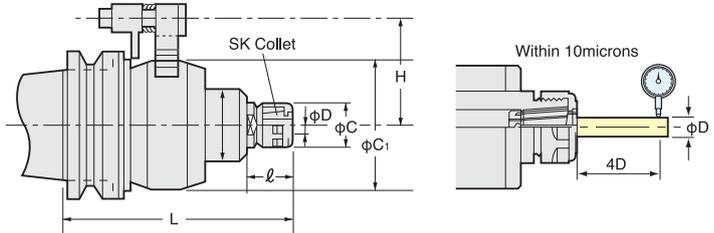
■ NIKKEN NX increases the spindle speed by 4 or 5 times, so economically convert your standard M/C to high speed M/C.

■ Inside gears are mirror-finish ground by NIKKEN original Fluid-Dynamic Grinding Process.

■ Run-out accuracy is more stable due to TiN Bearing Nut (standard accessory).

NX

Explanation of the Code No.
BT40-NX 5 160
 • Length
 • Ratio
 • NX : 4times, 5 times
 • PX : 6times, 10 times
 • Shank



| TAPER | Code No. | D | L | C | C ₁ | l | H | Ratio | MAX. min ⁻¹ | Weight (kg) | Collet |
|-------|-------------------|---------|-------|------|----------------|------|----|-------|------------------------|-------------|--------|
| No.30 | BT30-NX 5-153 | 1.75~10 | 153 | 27.5 | 85 | 32 | 55 | 5 | 20,000 | 2.9 | SK10A |
| | BT40-NX 5-153 | | 153 | | | | | | | | |
| No.40 | (IT40)-PX 6-150GX | 0.5~8.0 | 149 | 22 | 76 | 14.5 | 60 | 6 | 30,000 | 4.1 | ETS14 |
| | -PX10-160GX | | 162.5 | | | | | | | | |
| No.50 | BT50-NX 4-192 | 1.75~16 | 192 | 40 | 118 | 46 | 82 | 4 | 10,000 | 11.0 | SK16A |
| | (IT50)-NX 5-151 | 1.75~10 | 151 | 27.5 | 85 | | | 5 | 20,000 | 7.0 | SK10A |
| | -PX 6-140GX | 0.5~8.0 | 142 | 22 | 76 | 14.5 | | 6 | 30,000 | 6.8 | ETS14 |
| | -PX10-155GX | | 155.5 | | | | | 98 | 10 | 40,000 | |

NX type

- ★ For End Mill, please use SK A type collet. For Drill, please use SK-P class collet. (P.39)
- ★ Wrench, Collet Extractor and A type SK Collets are supplied as standard.
- NX5: SK10-6A, 8A, 10A NX4: SK16-8A, 10A, 12A, 16A
- ★ Stopper block is available as an option. When ordering, please inform your M/C maker and Model as well as your M/C spindle flange dimension.
- ★ Air Cylinder for Cooling (NXE-COOL) is highly recommended to use for the stable milling.



Air Cylinder for Cooling with ON/OFF Magnet NXE-COOL

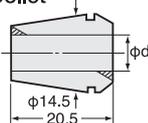
The best cooling is to cool the speeder body directly.



PX type

- ★ Grease lubrication is standard.
- ★ Please add "MX" instead of "GX" at the end of Code No. for the oil mist lubrication. e.g. BT40-PX6-130MX
- ★ ETS collet is supplied as an option.

ETS Collet



Explanation of the Code No.

ETS 14 - 0.5
 • MAX. Chucking Dia.
 • Style No.
 • Symbol of ETS Collet

- ★ φd=0.5~1.0: Each 0.1mm (Gripping range : 0.1mm) e.g. ETS14-0.5 : 0.4~0.5mm
- ★ φd=1.25~2.5: Each 0.25mm (Gripping range : 0.25mm)
- ★ φd=3.0~8.0: Each 0.5mm (Gripping range : 0.5mm)

AIR TURBINE SPINDLE TOOL

NIKKEN

HTS

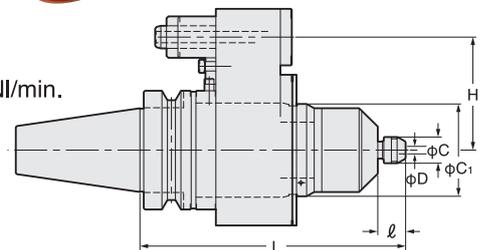


150,000min⁻¹

Run-out Accuracy of the Spindle: Within 1μm

Air Pressure, Consumption: 0.5MPa, 90NI/min.
 Collet Size : MAX φ4.0mm

NEW



Please do not rotate the machine spindle.

Explanation of the Code No.

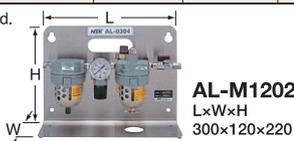
BT40-HTS1500-140
 • Nominal Gauge Length
 • 150,000min⁻¹
 • Symbol of Air Turbine Spindle
 • Shank No.

HSK shank is also available.

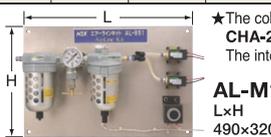
HSK 50A-HTS1500-158
HSK 63A-HTS1500-160
HSK100A-HTS1500-167

| TAPER | Code No. | D | L | C | C ₁ | l | H | Fixed min ⁻¹ | Weight (kg) | Collet |
|-------|------------------|-------|-----|------|----------------|-----|----|-------------------------|-------------|--------------------------|
| No.30 | BT30-HTS1500-148 | 0.5~4 | 148 | 13.9 | 49 | 15 | 55 | 150,000 | 2.7 | CHA-□ (Internal dia.) |
| | -HTS1500-152B | | 152 | | | | | | | |
| No.40 | BT40-HTS1500-140 | 140 | 146 | 82 | 60 | 3.2 | | | | |
| No.50 | BT50-HTS1500-146 | 146 | | | 82 | 6.0 | | | | |

- ★ Collet CHA-4.0 and spanner are supplied as standard.
- ★ Air line kit (AL-M1202/AL-M1203BS2), the lubrication oil (K-211) and the stopper block are available as an option.
- ★ Stopper block is available as an option. When ordering, please inform your M/C maker and Model as well as your M/C spindle flange dimension.



AL-M1202
 LxWxH
 300x120x220



★ The collet which internal dia. excepts φ4.0mm is available as an option.
CHA-2.35, 3.0, 3.175
 The internal dia. range is each 0.1mm incremental from φ0.5 to φ4.0mm.
AL-M1203BS2 (DC24V ON/OFF)
 LxH
 490x320