

PRO-E COLLET CHUCK



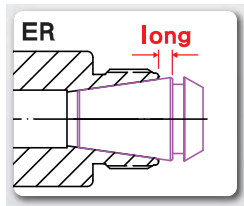
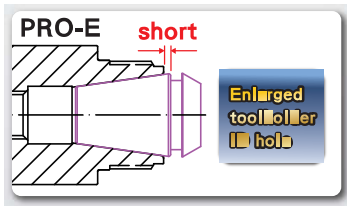
Superior interchangeability with ER collets.
Optimized design improves machining stability.



- ▶ The design of straight parts decreases the deviation of threads and improves accuracy.



- ▶ The enlarged design of holder ID hole optimizes the coverage of ER collet, shortens the tool overhanging length and improves runout accuracy and machining stability.



Clamping range of ER spring collet: 0.5mm

- ▶ Assembled with ER spring collet, ERS metallic sealed collet and ERS coolant collet (FOD).
- ▶ ER collets must conform to ISO 15488 standard.



- ▶ "Power Good" increases the holding power at least 60%.



- ▶ The clamping nut is without slots for reducing the windshear and noise, and it is the best choice for high speed machining.

APPLICATION DIAGRAM



PRO-E COLLET CHUCK

P.5~20

Collet Chuck	Page
SBT / PRO-E	P.5~7
SCAT / PRO-E	P.8~9
SDAT / PRO-E	P.10~11
HSK / PRO-E	P.12~16
PSC / PRO-E	P.17~20



ER COLLET
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ERS METALLIC SEALED COLLET
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ERS COOLANT COLLET [FOD TYPE]
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PRO-E NUT
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BEARING SPANNER
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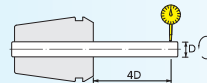


ER COLLET

Used for **drills** **taps** **mills** **reamers**

Runout accuracy

- G** 15µm
- UP** 5µm
- A** 10µm

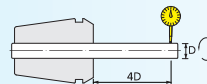


ERS METALLIC SEALED COLLET

Used for **coolant-through cutting tools**

Runout accuracy

- A** 10µm
- P** 3µm
- UP** 5µm

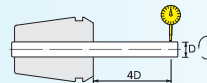


ERS COOLANT COLLET [FOD TYPE]

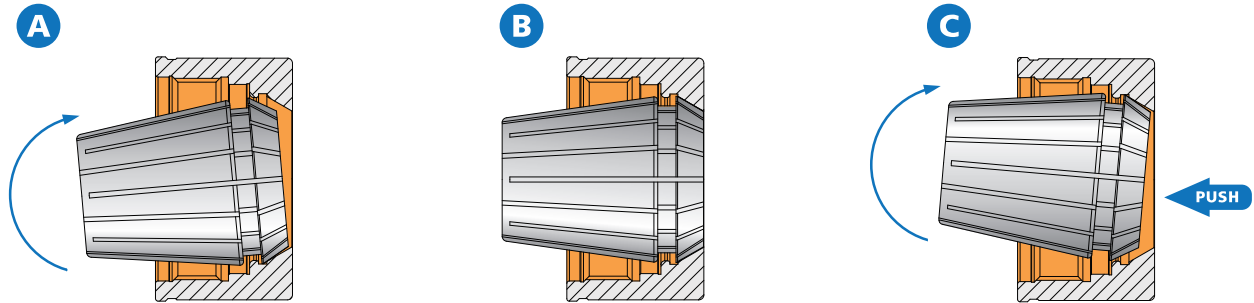
Used for **cutting tools w/o coolant holes**

Runout accuracy

- A** 10µm
- P** 3µm
- UP** 5µm



ASSEMBLY INSTRUCTION

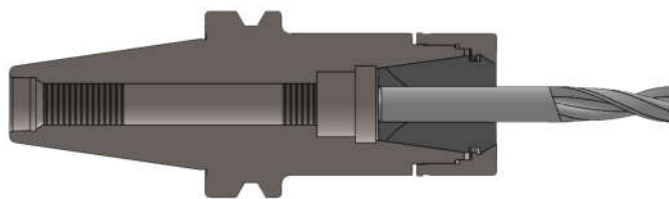


A
Put the collet in the clamping nut. Let its collet taper contact the spring ring well. Toward the arrow direction, push slightly, and then you can put it in.

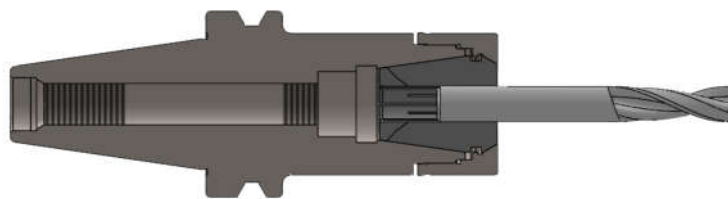
B
Insert the end mill (cutter) into the body. Tighten clamping nut by wrench. Then it is ready for operation. (Do not tighten the clamping nut before the cutter is installed.)

C
Loosen the nut from the body, and then take out the end mill. Toward the arrow direction, push slightly, and then the collet can be taken out.

! Notice



The best performance is inserting the full length of the tool with the collet.



Reminder:

▶ Never less than 2/3 of the collet bore length.

Recommended tightening torque for PRO-E clamping nuts:

CLAMPING NUT	COLLET	N.m
PRO-E16	ER16	65 N.m
PRO-E20	ER20	80 N.m
PRO-E25	ER25	140 N.m
PRO-E32	ER32	170 N.m