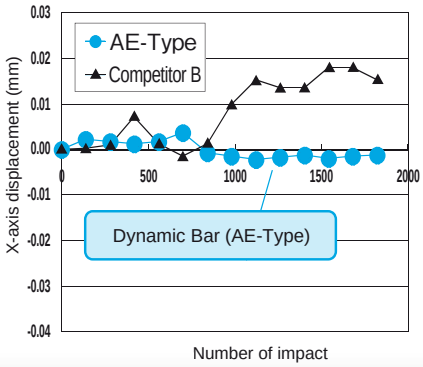
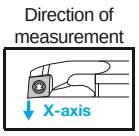
## Cutting Point Precision

The AE Dynamic Bar maintains precise cutting edge positional accuracy through the use of a special alloy, thereby achieving high precision machining.




<Cutting Condition>
34CrMo4
Vc=180m/min
ap=2mm
f=0.2mm/rev
S/A16Q-SCLPR09-18 type
CPMH090308(CA5525)
L/D=4
External Coolant




## Toolholder Lineup

**• Excellent Bar (AE-Type)**

Excelent Bar with coolant hole (internal coolant) (A..AE) provides better chip evacuation.

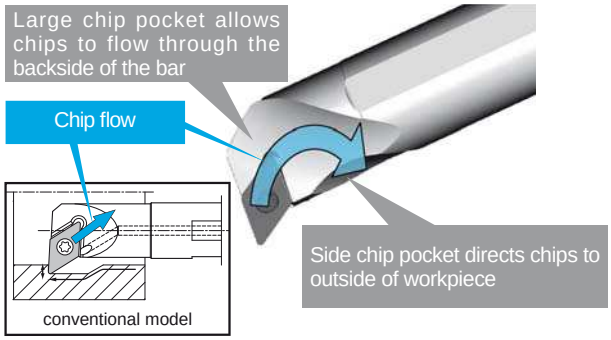
**• Steel Bar**

The steel shank bar (without coolant hole) provides superior cost performance

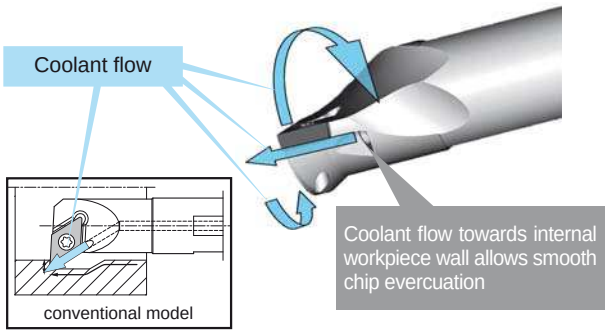
## Advantages of Dynamic Bar SDUC

### New design and concept focusing on chip evacuation

**New design** Streamlined pocket provides effective chip evacuation

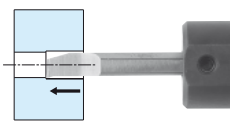
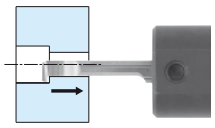
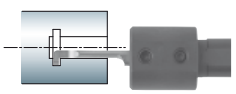
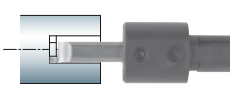
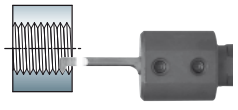



**New concept** Coolant flows toward workpiece internal wall




## HP Type 2-Edges Tip-Bar for Micro Boring

- Economically excellent 2-Edges
- Min. Bore Dia. Line Up from ø2.0 to Up
- Easy-to-Use Adjustable Overhang Length
- Integral No. shank is adopted to enable installation to standard sleeves
- Special sleeves to fit to target machine makers specifications are fulfilled

| Boring | Back boring | Grooving | Face Grooving | Threading |
|---|---|---|---|---|
|  |  |  |  |  |
| **HPB** ➡ F18 | **HPBT** ➡ F18 | **HPG** ➡ G30 | **HPFG** ➡ G53 | **HPT** ➡ J24 |
| Min. Bore Dia.: ø2~ø7<br>Corner-R (rε): 0.05 | Min. Bore Dia.: ø4~ø5<br>Corner-R (rε): 0.05 | Min. Bore Dia.: ø4~ø7<br>Edge Width: 1.0~2.0 mm<br>Depth: 1.0~2.0 mm | Min. Face Groove Dia.: ø8<br>Edge Width: 1.0~3.0mm<br>Depth: 2.0~3.0mm | Min. Pilot Hole Dia.: ø4.5~ø8<br>M: 0.75~1.5 mm<br>UN: 28~16 TPI<br>W: 24~18 TPI<br>Rc: 28~19 TPI |