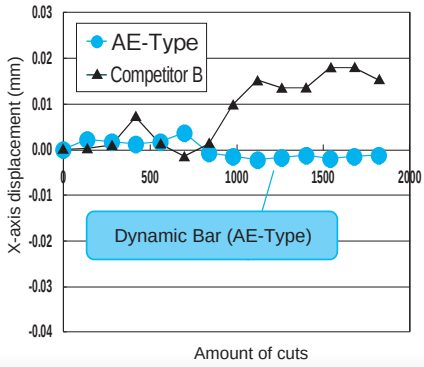
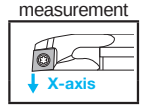
Cutting Point Precision

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

Direction of measurement



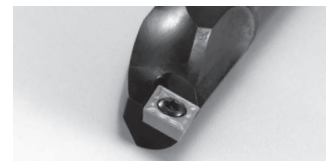
Toolholder Lineup

• Excellent Bar (AE-Type)

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

• Steel Bar

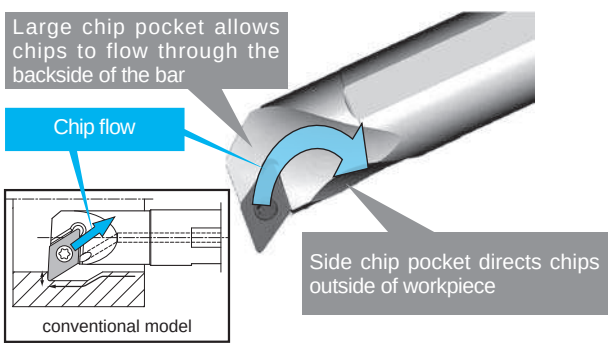
The steel shank bar (without coolant hole) provides superior cost performance



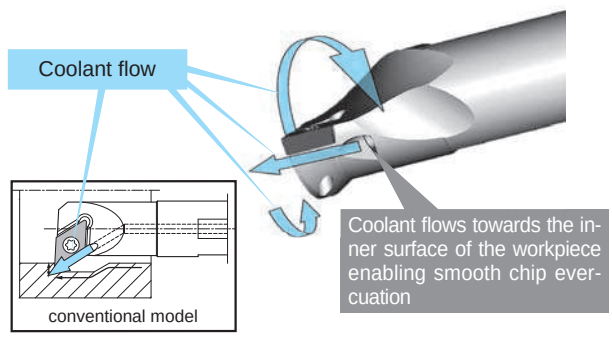
Advantages of Dynamic Bar SDUC

New design and concept focusing on chip evacuation

New design Streamlined pocket enables an efective chip evacuation.

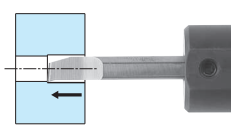
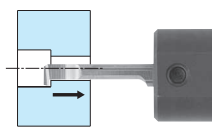
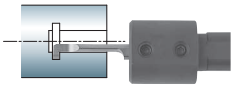
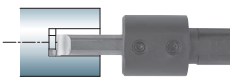
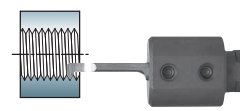


New concept Coolant flows towards the workpiece's inner surface



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
- Intergrated shank enables installation with standard sleeves
- Special sleeves for various machine types

Boring	Back boring	Grooving	Face Grooving	Threading
				
HPB F22	**HPBT** F22	**HPG** G44	**HPFG** G65	**HPT** J24
Min. Bore Dia.: ø2~ø7 Corner-R (rε): 0.05	Min. Bore Dia.: ø4~ø5 Corner-R (rε): 0.05	Min. Bore Dia.: ø4~ø7 Edge Width: 1.0~2.0 mm Depth: 1.0~2.0 mm	Min. Face Groove Dia.: ø8 Edge Width: 1.0~3.0mm Depth: 2.0~3.0mm	Min. Pilot Hole Dia.: ø4.5~ø8 M: 0.75~1.5 mm UN: 28~16 TPI W: 24~18 TPI Rc: 28~19 TPI