

CLASSIFICATION

Name of Tool Holder	Features	$\theta=75^{\circ}$		$\theta=91^{\circ}$		$\theta=93^{\circ}$		
DIMPLE BAR 	● The minimum cutting diameter is from $\phi 10$. ● 5°, 7°, 11° positive inserts. ● Excellent vibration resistance due to a light dimple head. ● l/d is 3 to 5 times the diameter (Carbide shank is 7 to 8 times the diameter).							
DOUBLE CLAMP DIMPLE BAR 	● The minimum cutting diameter is from $\phi 32$. ● Economical negative insert. ● Single action type. ● Excellent vibration resistance due to a light dimple head. (With coolant hole.) ● l/d is 3 to 4 times the diameter.							
F Type Boring Bars 	● The minimum cutting diameter is from $\phi 5.8$. ● 11° positive insert. ● Screw-on type and Clamp-on type. ● l/d is 3 to 5 times the diameter. ● FSWL type is 7° positive insert.							
S Type Boring Bars 	● The minimum cutting diameter is from $\phi 11$. ● ISO standard. ● 7° positive insert. ● Screw-on type. ● l/d is 3 to 5 times the diameter (Carbide shank is 7 times the diameter).							
P Type Boring Bars 	● The minimum cutting diameter is from $\phi 20$. ● ISO standard. ● Economical negative insert. ● Lever lock type, and pin lock type. ● l/d is 3 times the diameter.							
M Type Boring Bars 	● The minimum cutting diameter is $\phi 63$. ● Negative trigon shape insert. ● Double clamp type. ● l/d is 3 times the diameter.							
AL Type Boring Bars 	● The minimum cutting diameter is from $\phi 20$. ● Suitable for non-ferrous metal. ● 20° positive insert. ● Screw-on type. ● l/d is 6 times the diameter. ● Excellent vibration resistance.							
MICRO-DEX Boring Bars (Carbide Shank) 	● The minimum cutting diameter is from $\phi 5$. ● 5°, 7° positive insert. ● Carbide shank type. ● Easy-to-use tool geometries. ● Suitable for small workpieces. ● l/d is 5 times the diameter.							
MICRO-MINI TWIN Boring Bars 	● The minimum cutting diameter is from $\phi 2.2$. ● Solid carbide type with two cutting edges. ● Continuous cutting from boring to facing. ● With or without a chip breaker.							
MICRO-MINI Boring Bars 	● The minimum cutting diameter is from $\phi 3.2$. ● Solid carbide type (Single cutting edges). ● l/d is 5 times the diameter. ● Cutting edge can be shaped according to the application. Thus, it covers a wide cutting range (threading, grooving, copying, etc.).							
		COOR-BLS → E023						

(Note 1) Holders with blue colour symbol have an anti-vibration carbide shank. (For Micro-dex boring bars, carbide shank only.)