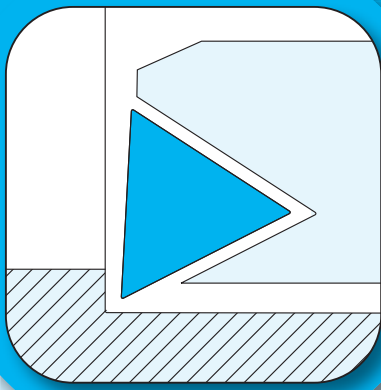


Boring

F1~F88



F

New Products F2~F4

Guide Line / Product Lineup / Identification System F4~F11

Solid Tip-Bars for Micro Boring F12~F25

Twin Bar	TWB / TWBT	F12
System Bar	VNB-S / VNB / VNBT / VNBX-S	F14
2 Edges Tip-Bar	HPB / HPBT	F22
Tip-Bar	PSB-S / PSBT-S	F24
	→ will be switched to HPB / HPBT.	

Boring Bars for Positive Inserts F26~F62

CC □□ Insert	Dynamic Bar / Boring Bars for General Purpose	F26
CP □□ Insert	Dynamic Bar / Boring Bars for General Purpose	F30
DC □□ Insert	Dynamic Bar / Boring Bars for General Purpose	F34
JC □□ Insert	Boring Bars for General Purpose	F40
TC □□ Insert	Dynamic Bar	F41
TB / TP □□ Insert	Dynamic Bar / Boring Bars for General Purpose	F42
VB / VC / VP □□ Insert	Dynamic Bar / Boring Bars for General Purpose	F49
WB / WP □□ Insert	Dynamic Bar / Boring Bars for General Purpose	F56
SP □□ Insert	Boring Bars for General Purpose	F60
TP □□ Insert (without Hole)	Boring Bars for General Purpose	F61
YP □□ Insert	Boring Bars for General Purpose	F62

Boring Toolholders for Bearing Machining (Square Shank) F63

AD Bars F64~F67

CN □□ Insert		F64
DN □□ Insert		F65
TN □□ Insert		F65
CC □□ Insert		F66
DC □□ Insert		F66
Boring Adapter	(with coolant hole / anti-vibration damper system)	F67

Boring Bars for Negative Inserts F68~F72

CN □□ Insert		F68
DN □□ Insert		F69
TN □□ Insert		F70
WN □□ Insert		F71

Boring Bars for Ceramic Tools F73~F74

Boring Bars for Solid CBN Tools F75

Sleeves F76~F81

PSH		F76
SHA / SH / SHC / SJS		F77
PH		F80
SHE / SHEM	Adjustable Sleeve	F81

Recommended Cutting Conditions F82~F83

Assembly (AS) List / Former Parts List F84

Alternative Toolholder Reference Table for Boring Bar F85~F88

Parts Compatibility of Lever Lock Toolholders ○R42

