

Boring


F1~F78
New Products / Guide Line F2~F4
Identification System F5
Product Lineup F6~F7
Solid Tip-Bars for Micro Boring F8~F21

Twin Bar	TWB / TWBT	F8
System Bar	VNB-S / VNB / VNBT / VNBX-S	F10
2 Edges Tip-Bar	HPB / HPBT	F18
Tip-Bar	PSB-S / PSBT-S	F20
→ will be switched to HPB / HPBT.		

Dynamic Bars F22~F41

Dynamic Bars Lineup	F22
CC □□ Insert	F24
CP □□ Insert	F26
DC □□ Insert	F28
TB / TP □□ Insert	F32
TC □□ Insert	F34
VB / VC / VP □□ Insert	F36
WB / WP □□ Insert	F40

AD Bars F42~F45

CN □□ Insert	F42
DN □□ Insert	F43
TN □□ Insert	F43
CC □□ Insert	F44
DC □□ Insert	F44
Boring Adapter	(with coolant hole / anti-vibration damper system) F45

Boring Bars for General Purpose F46~F70

Boring Bars Lineup for General Purpose	F46
CC / CP □□ Insert	F48
DC □□ Insert	F51
JC □□ Insert	F53
TB / TP □□ Insert	F54
YP □□ Insert	F59
SP □□ Insert	F60
TP □□ Insert (without Hole)	F61
VB / VC / VP □□ Insert	F62
WB / WP □□ Insert	F64
CN □□ Insert	F66
DN □□ Insert	F67
TN □□ Insert	F68
WN □□ Insert	F69

Boring Toolholders for Bearing Machining (Square Shank) F71
Boring Bars for Ceramic Tools F72~F73
Boring Bars for Solid CBN Tools F74
Sleeves (for Boring Bars) PH type / SH type / SHC type / SJS type F75~F76
Recommended Cutting Conditions F77~F78
