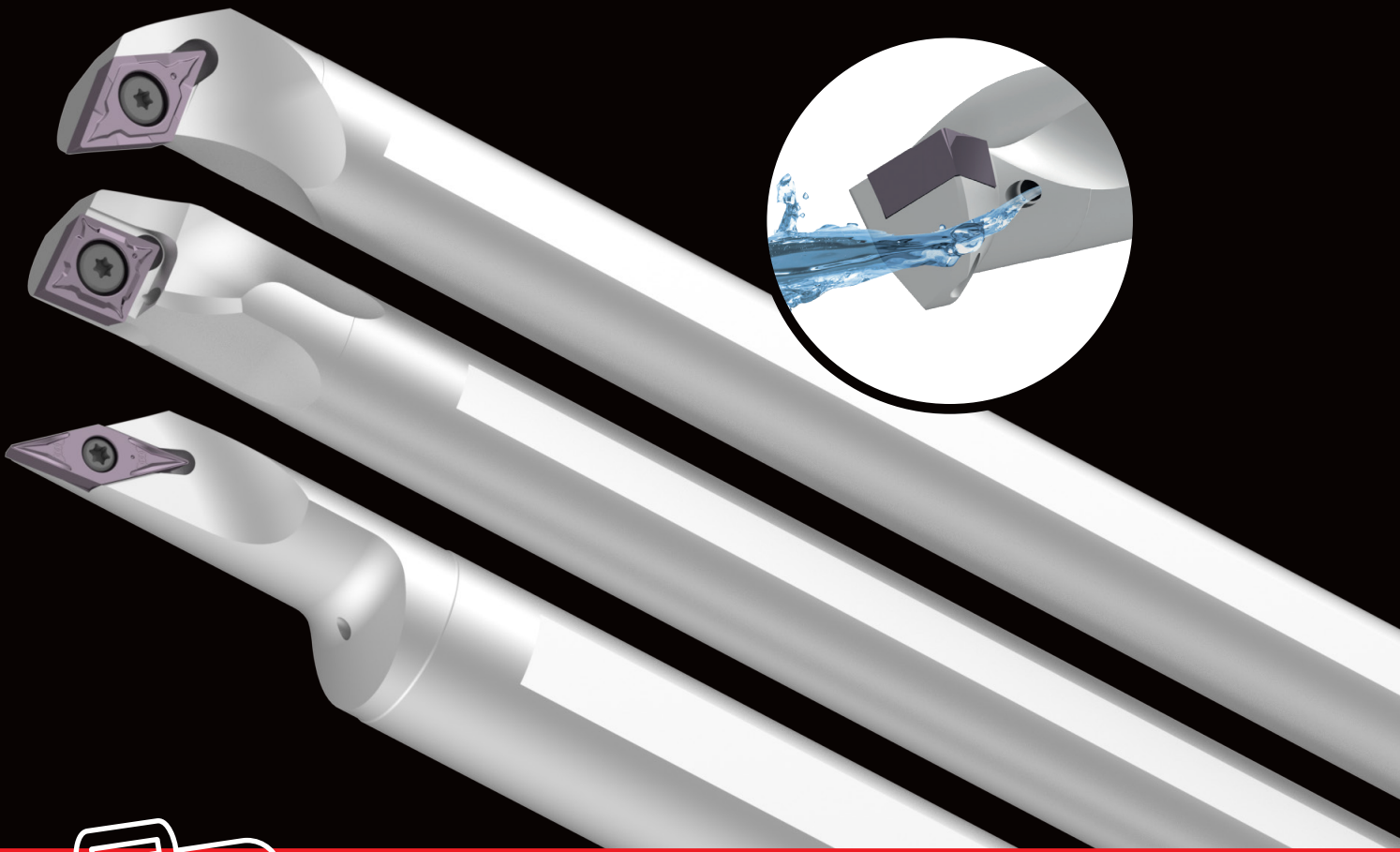


PPU INSERTS + VORTEX BAR



SPECIAL
KIT Action

PPU Inserts with Vortex Bar
Solution package for precision boring
(including interrupted cut finishing
& thin wall boring)

nixkoTOOLS
SORMA CUTTING SOLUTIONS

PPU INSERTS + VORTEX BAR

nikkoTOOLS
SORMA CUTTING SOLUTIONS

**SPECIAL
KIT**



Try Vortex Bar + PPU inserts!

Each kit includes 4 Vortex bars and 10 PPU inserts

R

DMIN

1 x NT-V10K-SCLCR06-12 (Ø10)	INTERNAL COOLANT 	12
1 x NT-V12M-SCLCR06-14 (Ø12)		14
1 x NT-V16Q-SCLCR09-18 (Ø16)		18
1 x NT-V20R-SCLCR09-22 (Ø20)		22

5 x CCGT060204-PPU
5 x CCGT09T304-PPU

JP5125

U-VORTEX-CC01R

L

DMIN

1 x NT-V10K-SCLCL06-12 (Ø10)	INTERNAL COOLANT 	12
1 x NT-V12M-SCLCL06-14 (Ø12)		14
1 x NT-V16Q-SCLCL09-18 (Ø16)		18
1 x NT-V20R-SCLCL09-22 (Ø20)		22

5 x CCGT060204-PPU
5 x CCGT09T304-PPU

JP5125

U-VORTEX-CC01L

R

DMIN

1 x NT-V10K-SDUCR07-14 (Ø10)	INTERNAL COOLANT 	14
1 x NT-V12M-SDUCR07-16 (Ø12)		16
1 x NT-V16Q-SDUCR11-23 (Ø16)		23
1 x NT-V20R-SDUCR11-27 (Ø20)		27

5 x DCGT070204-PPU
5 x DCGT11T304-PPU

JP5125

U-VORTEX-DC01R

L

DMIN

1 x NT-V10K-SDUCL07-14 (Ø10)	INTERNAL COOLANT 	14
1 x NT-V12M-SDUCL07-16 (Ø12)		16
1 x NT-V16Q-SDUCL11-23 (Ø16)		23
1 x NT-V20R-SDUCL11-27 (Ø20)		27

5 x DCGT070204-PPU
5 x DCGT11T304-PPU

JP5125

U-VORTEX-DC01L

PPU INSERTS + VORTEX BAR

nikkoTOOLS
SORMA CUTTING SOLUTIONS



Try Vortex Bar + PPU inserts!

Each kit includes 3 Vortex bars and 10 PPU inserts

R

1 x NT-V08H-SCLCR06-10 (Ø8)	INTERNAL COOLANT 	10
1 x NT-V10K-SCLCR06-12 (Ø10)		12
1 x NT-V12M-SCLCR06-14 (Ø12)		14

10 x CCGT060204-PPU **JP5125** U-VORTEX-3CCR

L

1 x NT-V08H-SCLCL06-10 (Ø8)	INTERNAL COOLANT 	10
1 x NT-V10K-SCLCL06-12 (Ø10)		12
1 x NT-V12M-SCLCL06-14 (Ø12)		14

10 x CCGT060204-PPU **JP5125** U-VORTEX-3CCL

Each kit includes 2 Vortex bars and 10 PPU inserts

R

1 x NT-V20R-SVJBR11-25 (Ø20)	INTERNAL COOLANT 	25
1 x NT-V25S-SVJBR11-30 (Ø25)		30

10 x VCGT110304-PPU **JP5125** U-VORTEX-VC01R

L

1 x NT-V20R-SVJBL11-25 (Ø20)	INTERNAL COOLANT 	25
1 x NT-V25S-SVJBL11-30 (Ø25)		30

10 x VCGT110304-PPU **JP5125** U-VORTEX-VC01L

Why choosing Vortex Bar?

- Special chip groove design improves chip ejection
- High quality steel reduces vibration even with significant overhang (max 5XD)
- Internal coolant channels on the full line-up

Why choosing PPU inserts?

- Very robust geometry with low cutting force, reliable, avoids the deformation of the part and reduces vibration in boring application
- Heat resistant grade specific for stainless steel and super alloys, provides long-lasting reliability
- Optimized coupling of the geometry and the grade allowing to win multiple challenges, such as precision interrupted boring of thin walls
- Universal solution, fits from difficult application to conventional machining