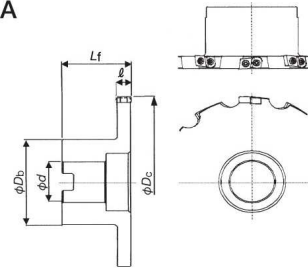




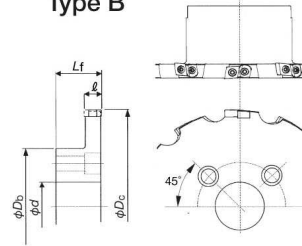
For slotting of general steels, stainless steels
and cast irons



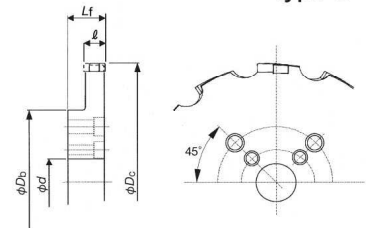
Type A



Type B



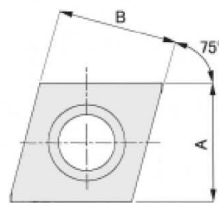
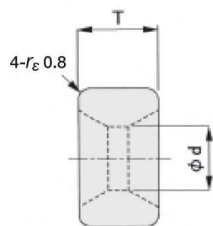
Type C



Width ℓ (mm)	Cat. no.	Stock		Max. effective no. of teeth	Max. no. of inserts	Tool dia. øD _c	Height L _f (mm)	Hole dia. ød (mm)	Flange dia. øD _b	Type	Clamping screw
		R	L								
13~16	VSNE09125R/L13~16			4	8	125	50	31.75	70	A	CSTB-4
	VSNE09160R/L13~16			6	12	160	60	38.1	100		
	VSNE09200R/L13~16			7	14	200		47.625	135	B	
	VSNE09250R/L13~16			9	18	250			140		
	VSNE09315R/L13~16			11	22	315			150		
	VSNE09355R/L13~16			12	24	355			170		
	VSNE09400R/L13~16			13	26	400			180		
	VSNE09450R/L13~16			14	28	450			220	C	
	VSNE09500R/L13~16			15	30	500			240		
16~18.5	VSNE10125R/L16~18.5			4	8	125	50	31.75	70	A	CSTB-4
	VSNE10160R/L16~18.5			6	12	160	60	38.1	100		
	VSNE10200R/L16~18.5			7	14	200		47.625	135	B	
	VSNE10250R/L16~18.5			9	18	250			140		
	VSNE10315R/L16~18.5			11	22	315			150		
	VSNE10355R/L16~18.5			12	24	355			170		
	VSNE10400R/L16~18.5			13	26	400			180		
	VSNE10450R/L16~18.5			14	28	450			220	C	
	VSNE10500R/L16~18.5			15	30	500			240		
18.5~23.6	VSNE13125R/L18.5~23.6			3	6	125	50	31.75	70	A	CSTB-5
	VSNE13160R/L18.5~23.6			4	8	160	60	38.1	100		
	VSNE13200R/L18.5~23.6			5	10	200		47.625	135	B	
	VSNE13250R/L18.5~23.6			6	12	250			140		
	VSNE13315R/L18.5~23.6			8	16	315			150		
	VSNE13355R/L18.5~23.6			9	18	355			170		
	VSNE13400R/L18.5~23.6			10	20	400			180		
	VSNE13450R/L18.5~23.6			11	22	450			220	C	
	VSNE13500R/L18.5~23.6			12	24	500			240		
23.6~30.5	VSNE16125R/L23.6~30.5			3	6	125	50	31.75	70	A	CSTB-5
	VSNE16160R/L23.6~30.5			4	8	160	60	38.1	100		
	VSNE16200R/L23.6~30.5			5	10	200		47.625	135	B	
	VSNE16250R/L23.6~30.5			6	12	250			140		
	VSNE16315R/L23.6~30.5			8	16	315			150		
	VSNE16355R/L23.6~30.5			9	18	355			170		
	VSNE16400R/L23.6~30.5			10	20	400			180		
	VSNE16450R/L23.6~30.5			11	22	450			220	C	
	VSNE16500R/L23.6~30.5			12	24	500			240		

Notes: • Cutting edge width (ℓ) is unadjustable.

Inserts



Cat. No.	Stock				Coated			Uncoated
	A	B	s	ød	AH120	AH330	AH110	UX30
ENEQ090508TN-T	9.5		5.5	4.8	●			
ENEQ090508FN-T								
ENEQ100508TN-T	10.2		5.5	4.8	●			
ENEQ100508FN-T								
ENEQ130608TN-T	12.7		6.35	5.9	●			
ENEQ130608FN-T								
ENEQ160608TN-T	16	13.5	6.35	5.9	●			
ENEQ160608FN-T								

Standard cutting conditions

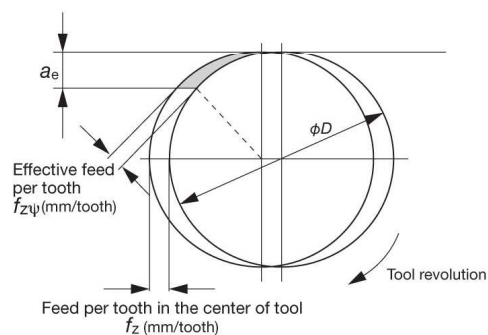
Work material	Insert grades	Cutting speed v_c (m/min)	Effective feed per tooth $f_{z\psi}$ (mm/tooth)
Mild steels, unhardened steels (< 180 HB)	AH120	60~170	0.1~0.35
	AH330	60~200	
Carbon steels, alloy steels (< 300 HB)	AH120	60~150	0.1~0.3
	AH330	60~170	
Stainless steels (< 250 HB)	AH120	60~150	0.1~0.3
Die steels (< 30 HRC)	AH120	60~150	0.1~0.3
	AH330	60~170	
Gray cast irons	AH120	80~170	0.1~0.35
	AH110	80~200	
Ductile cast irons	AH120	60~150	0.1~0.3
	AH110	60~170	

Calculating feed

$$f_{z\psi} = 2 \cdot f_z \sqrt{\frac{a_e}{D} \left(1 - \frac{a_e}{D} \right)}$$

$$f_z = \frac{f_{z\psi}}{2 \cdot \sqrt{\frac{a_e}{D} \left(1 - \frac{a_e}{D} \right)}}$$

$f_{z\psi}$: Effective feed per tooth
 f_z : Feed per tooth in the center of tool
 a_e : Radial depth of cut
 D : Cutter diameter



● : Stocked in Japan.