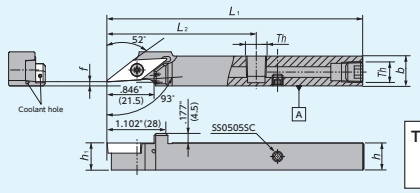
Toolholders for VB.. Inserts

SVJB-OH2 (Coolant through)



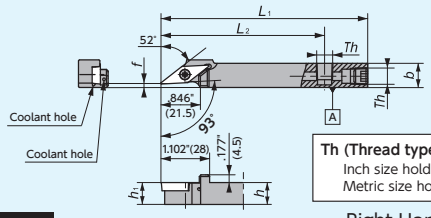
Th (Thread type)
Inch size holder : NPT1/8
Metric size holder: Rc1/8 (PT1/8)

Figure-1

Right-Hand style shown

●Left-Hand coolant through holders are designed for Right-Hand machines

SVJB-OH (Coolant through)



Th (Thread type)
Inch size holder : NPT1/8
Metric size holder: Rc1/8 (PT1/8)

Figure-2

Right-Hand style shown

●Left-Hand coolant through holders are designed for Right-Hand machines

■VBGT33

Gage Insert	Item Number	Figure	Stock R	Stock L	h (Inch)	h (mm)	b (Inch)	b (mm)	h_1 (Inch)	h_1 (mm)	L_1 (Inch)	L_1 (mm)	f (Inch)	f (mm)	L_2 (Inch)	L_2 (mm)	g (Inch)	g (mm)	Th	Clamp Screw	Wrench
VBGT33..	SVJB%083C-F079-OH	2	■	●	1/2		.551	14	1/2		4.724	120	.079	2	3.740	95	.079	2	NPT1/8	LRIS-4 × 10	LLR-25S
	SVJB%083C-F079-OH2	1	●		1/2		.551	14	1/2		4.724	120	.079	2	2.756	70	.079	2	NPT1/8	LRIS-4 × 10	LLR-25S
	SVJB%103C-F079-OH	2	●	●	5/8		5/8		5/8		4.724	120	.079	2	3.740	95	0	0	NPT1/8	LRIS-4 × 10	LLR-25S
	SVJB%103C-F079-OH2	1	●		5/8		5/8		5/8		4.724	120	.079	2	2.953	75	0	0	NPT1/8	LRIS-4 × 10	LLR-25S
	SVJB%1214-X16N-F02OH	2	●	●	.472	12	.551	14	.472	12	4.724	120	.079	2	3.740	95	.079	2	Rc1/8(PT1/8)	LRIS-4 × 10	LLR-25S
	SVJB%1616-X16N-F02OH	2	●	●	.630	16	.630	16	.630	16	4.724	120	.079	2	3.740	95	0	0	Rc1/8(PT1/8)	LRIS-4 × 10	LLR-25S

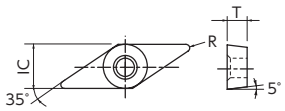
●Left-Hand coolant through holders are designed for Right-Hand machines

VB.. inserts - Carbide

[Molded Chipbreaker]

●: 1st Choice ●: 2nd choice

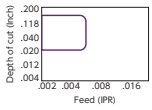
(inch)	IC	T
VB33	3/8	3/16



		ST4	DM4	DT4	QM3	TM4	VM1	ZM3	KM1	CP1	UC1
Steel	P	●	●	●	●	●	●	●	●		
Stainless Steel	M	●	●	●	●	●	●	●	●		
Cast Iron	K									●	
Non-Ferrous Material	N					●	●	●	●		●
Heat Resistant Alloy	S	●	●	●	●	●					
Hardened Material	H	●	●	●	●						

●: 1st Choice
●: Alternate choice

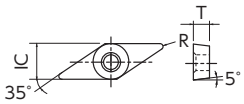
Shape	Item Number	ISO Item Number	IC	R	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	KM1	CP1	UC1
	VBGT 3308 FNYL	VBGT 160402 FNYL	3/8	.008	○	●		●	○					
	VBGT 331 FNYL	VBGT 160404 FNYL	3/8	.016	○	●		●	○					
	VBGT 332 FNYL	VBGT 160408 FNYL	3/8	.031	○	●		●	○					



VB..33 Inserts - CBN / PCD

●: 1st Choice ●: 2nd choice

(inch)	IC	T
VB.. 33	3/8	3/16



		JP2	B99	B5K	B52	B6K	B36	B40	B23	B30	PD1	PD2	UC1
Steel	P												
Stainless Steel	M												
Cast Iron	K		●	●	●				●	●			
Non-Ferrous Material	N										●	●	●
Heat Resistant Alloy	S	●											
Hardened Material	H		●	●	●	●	●	●					

Shape	Item Number	ISO Item Number	Edge Prep.	IC	R	No. of edge	Length of edge	JP2	B99	B5K	B52	B6K	B36	B40	B23	B30	PD1	PD2	UC1
	VBGW 3308 PD S0415	VBGW 160402 PD S01015	S0415	3/8	.008	2	.102				○								
	VBGW 3308 PD S0525	VBGW 160402 PD S01325	S0525	3/8	.008	2	.102				○								
	VBGW 3308 PD S0635	VBGW 160402 PD S01535	S0635	3/8	.008	2	.102				○								
	VBGW 331 PD S0415	VBGW 160404 PD S01015	S0415	3/8	.016	2	.098				○								
	VBGW 331 PD S0525	VBGW 160404 PD S01325	S0525	3/8	.016	2	.098				○								
	VBGW 331 PD S0635	VBGW 160404 PD S01535	S0635	3/8	.016	2	.098				○								
	VBGW 332 PD S0415	VBGW 160408 PD S01015	S0415	3/8	.016	2	.063				○		○						
	VBGW 332 PD S0525	VBGW 160408 PD S01325	S0525	3/8	.016	2	.063				○		○						
	VBGW 332 PD S0635	VBGW 160408 PD S01535	S0635	3/8	.016	2	.063				○		○						
	VBGW 333 PD S0415	VBGW 160412 PD S01015	S0415	3/8	.031	2	.106				○								
	VBGW 333 PD S0525	VBGW 160412 PD S01325	S0525	3/8	.031	2	.106				○								
	VBGW 333 PD S0635	VBGW 160412 PD S01535	S0635	3/8	.031	2	.106				○								

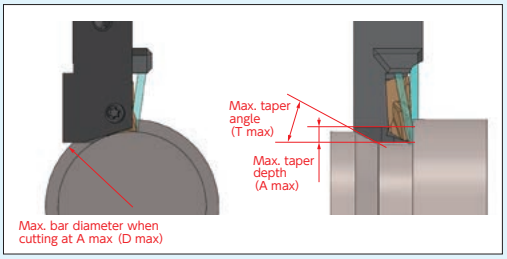
Cutting condition ➡Q4 Chipbreaker ➡P20

●: Stock
●: Stock (Newly added)
■□RL: While stocks last
R L: Stock (Right / Left-hand only)
R L: Stock (Right / Left-hand only, Newly added)
Ⓜ: Mirror finish
○: 1-2 week delivery
○: 1-2 week delivery (Newly added)
💧: Coolant through
ⓇⓁ: 1-2 week delivery (Right / Left-hand only)
ⓇⓁ: 1-2 week delivery (Right / Left-hand only, Newly added)

Toolholders for TFT series

TFT-OH2 (Coolant through)

Screw accessible from both sides



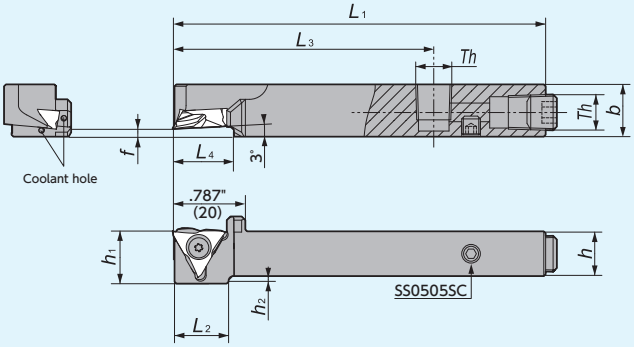
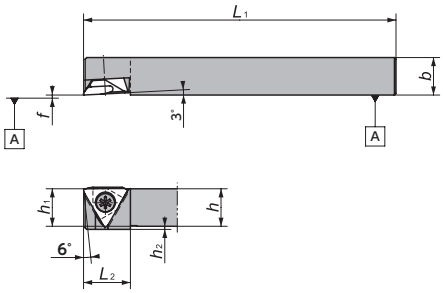


Figure-1

Right-Hand style shown

TFT

Screw accessible from both sides



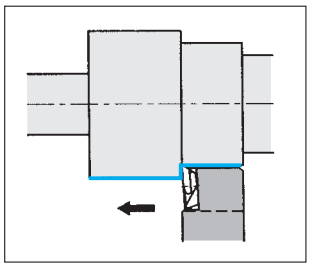
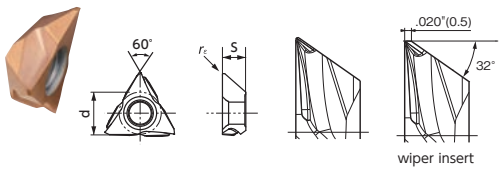
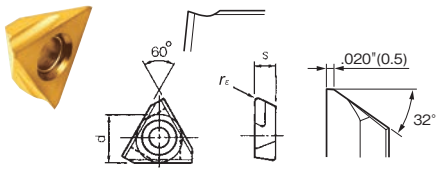


Figure-2

Right-Hand style shown

Gage Insert	Item Number	Figure	Stock R	Stock L	h (Inch)	h (mm)	b (Inch)	b (mm)	h_1 (Inch)	h_1 (mm)	L_1 (Inch)	L_1 (mm)	f (Inch)	f (mm)	L_2 (Inch)	L_2 (mm)	h_2 (Inch)	h_2 (mm)	L_3 (Inch)	L_3 (mm)	L_4 (Inch)	L_4 (mm)	Th	Max. DOC inch/side	Taper cut capability D max	Taper cut capability A max	Taper cut capability T max
TFX33	TFT R/L06H-IN-OH2	1	●			3/8	.551	14		3/8	3.937	100	.079	2.0	.591	15	.157	4	2.756	70	.591	15	M6 × 1.0	.197 (TFX) .157 (TF)	.787	.098	30°
	TFT R/L08H-IN-OH2	1	●			1/2	.551	14		1/2	3.937	100	.079	2.0	.591	15	.079	2	2.756	70	.591	15	NPT1/8		1.181		
	TFT R/L10X-IN-OH2	1	●			5/8		5/8		5/8	4.724	120	.079	2.0	0	0	0	0	2.756	70	.689	17.5	NPT1/8		1.574		
	TFT R/L1014H-OH2	1	○		.394	10	.551	14	.394	10	3.937	100	.079	2.0	.591	15	.157	4	2.756	70	.591	15	M6 × 1.0		.787		
	TFT R/L1214H-OH2	1	●		.472	12	.551	14	.472	12	3.937	100	.079	2.0	.591	15	.079	2	2.756	70	.591	15	Rc1/8(PT1/8)		1.181		
	TFT R/L1616X-OH2	1	○		.630	16	.630	16	.630	16	4.724	120	.079	2.0	0	0	0	0	2.756	70	.689	17.5	Rc1/8(PT1/8)		1.574		
TF33	TFT R/L06-IN	2	●		3/8		3/8		3/8		4.724	120	0.0	0.0	.591	15	.118	3	—	—	—	—	—		No capability for taper cut		
	TFT R/L08-IN	2	●		1/2		1/2		1/2		4.724	120	0.0	0.0	.591	15	.039	1	—	—	—	—	—				
	TFT R/L10	2	○		.394	10	.394	10	.394	10	4.724	120	0.0	0.0	.591	15	.118	3	—	—	—	—	—				
	TFT R/L12	2	○		.472	12	.472	12	.472	12	4.724	120	0.0	0.0	.591	15	.039	1	—	—	—	—	—				
	TFT R/L16	2	○		.630	16	.630	16	.630	16	4.724	120	0.0	0.0	0	0	0.0	0	—	—	—	—	—				
	TFT R/L20	2	○		.787	20	.787	20	.787	20	4.724	120	0.0	0.0	0	0	0.0	0	—	—	—	—	—				

TFX / TFT Series - Inserts

Shape	Item Number	Wiper	Max. DOC (Inch)	d (Inch)	d (mm)	s (Inch)	s (mm)	r_ε (Inch)	r_ε (mm)	DM4 R	DM4 L	ST4 R	ST4 L	ZM3 R	ZM3 L
 Right-Hand style shown. Note: Up to .197"(5.0mm) D.O.C. All angles shown are obtained when insert is set in the holder.	TFX3301MR	No	.197	3/8	9.525	3/16	4.76	.003	0.08	●		●			
	TFX3302MR	No	.197	3/8	9.525	3/16	4.76	.007	0.18	●		●			
	TFX3304MR	No	.197	3/8	9.525	3/16	4.76	.015	0.38	●		●			
	TFX3301MRW	Yes	.197	3/8	9.525	3/16	4.76	.003	0.08	●		●			
	TFX3302MRW	Yes	.197	3/8	9.525	3/16	4.76	.007	0.18	●		●			
	TFX3304MRW	Yes	.197	3/8	9.525	3/16	4.76	.015	0.38	●		●			
 Right-Hand style shown. Note: Up to .157"(4.0mm) D.O.C. All angles shown are obtained when insert is set in the holder.	TF3300R/L	Yes	.157	3/8	9.525	3/16	4.76	0	0					●	
	TF3305R/L	Yes	.157	3/8	9.525	3/16	4.76	.002	0.05					●	
	TF3315R/L	Yes	.157	3/8	9.525	3/16	4.76	.006	0.15					●	
	TF3320R/L	Yes	.157	3/8	9.525	3/16	4.76	.008	0.2					○	

Cutting condition ➡Q4

● : Stock
● : Stock (Newly added)
■ □ R L : While stocks last
R L : Stock (Right / Left-hand only)
R L : Stock (Right / Left-hand only, Newly added)
Ⓜ : Mirror finish
○ : 1-2 week delivery
○ : 1-2 week delivery (Newly added)
💧 : Coolant through
Ⓡ Ⓛ : 1-2 week delivery (Right / Left-hand only)
Ⓡ Ⓛ : 1-2 week delivery (Right / Left-hand only, Newly added)

Toolholders for TN.. Inserts

PTXN-N

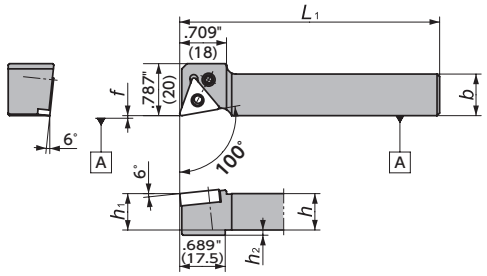
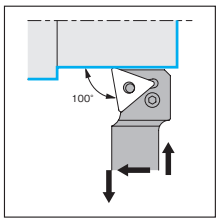


Figure-1

Shim	Clamp Pin	Spring
–	LCL33N	–



Right-Hand style shown

STXNR-N

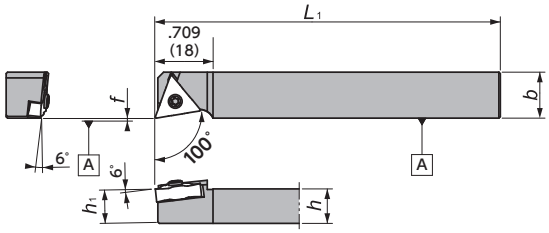
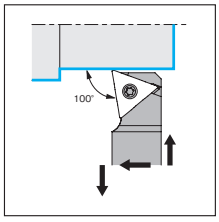


Figure-2

＊Only for UL Chipbreaker



Right-Hand style shown

PTAN-N

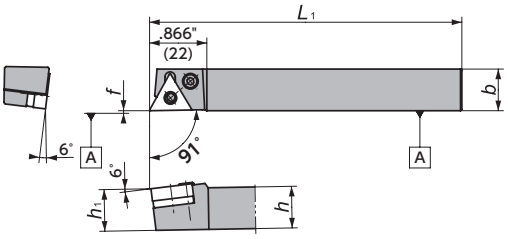
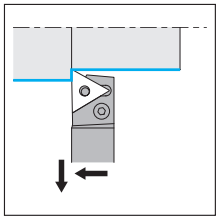


Figure-3

Shim	Clamp Pin	Spring
LST317	LCL3	LSP3



Right-Hand style shown

PTLN

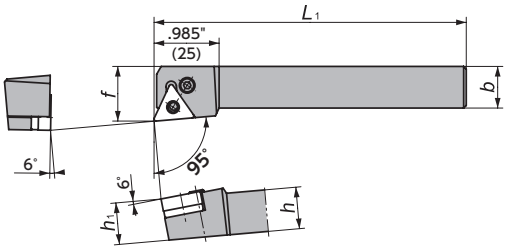
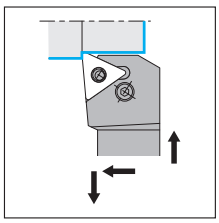


Figure-4

Shim	Clamp Pin	Spring
LST317	LCL3	LSP3



Right-Hand style shown

DS-PTX

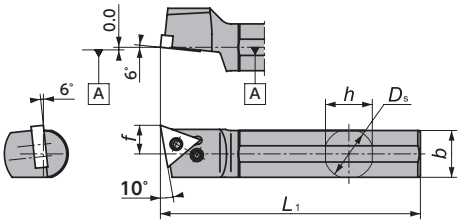
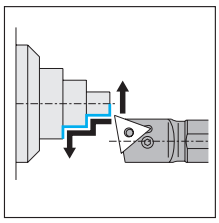


Figure-5

Shim	Clamp Pin	Spring
–	LCL33N	–



Left-Hand style shown
Takes Right-hand or Neutral insert

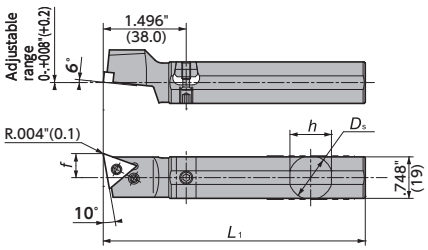
DS-PTX-ACH (Adjustable centerline height)

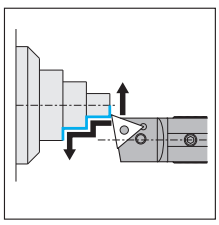
〈Parts〉

Shank	Wedge	Screw for Wedge
ϕ.630" (16)	ACH-W18 (5805601)	WS060415-003 (5795539)
ϕ3/4" (19.05)		
ϕ.787" (20)		WS060419-004 (5799226)
ϕ.866" (22)		
ϕ1" (25.4)	ACH-W24 (5805619)	

Figure-6

Shim	Clamp Pin	Spring
–	LCL33N	–





Left-Hand style shown
Takes Right-hand or Neutral insert

TN.. Series - Toolholders

■PTXN-N / PTAN-N / PTLN

Gage Insert	Item Number	Figure	Stock R	Stock L	h (Inch)	h (mm)	b (Inch)	b (mm)	h_1 (Inch)	h_1 (mm)	L_1 (Inch)	L_1 (mm)	h_2 (Inch)	h_2 (mm)	f (Inch)	f (mm)	Clamp Screw	Wrench
TN..33..	PTXN®/ℓ063C	1	●		3/8		5/8		3/8		4.724	120	.097	2.475	0.0	0.0	LCS33	LW-2
	PTXN®/ℓ083C	1	●		1/2		5/8		1/2		4.724	120	–	–	0.0	0.0	LCS33	LW-2
	PTXN®/ℓ103C	1	●		5/8		5/8		5/8		4.724	120	–	–	0.0	0.0	LCS33	LW-2
TN..33..	PTXN®/ℓ1016X33N	1	○		.394	10.0	.630	16	.394	10	4.724	120	.079	2	0.0	0.0	LCS33	LW-2
	PTXN®/ℓ1216X33N	1	●		.472	12.0	.630	16	.472	12	4.724	120	–	–	0.0	0.0	LCS33	LW-2
	PTXN®/ℓ1616X33N	1	○		.630	16.0	.630	16	.630	16	4.724	120	–	–	0.0	0.0	LCS33	LW-2
	PTXN®/ℓ2020X33N	1	○		.787	20.0	.787	20	.787	20	4.724	120	–	–	0.0	0.0	LCS33	LW-2
TN..33..	STXNR1016X33N	2	○		.394	10.0	.630	16.0	.394	10.0	4.724	120	–	–	0.0	0.0	LR-5 3.5 × 10	LLR-20S
	STXNR1216X33N	2	○		.472	12.0	.630	16.0	.472	12.0	4.724	120	–	–	0.0	0.0	LR-5 3.5 × 10	LLR-20S
	STXNR1616X33N	2	○		.630	16.0	.630	16.0	.630	16.0	4.724	120	–	–	0.0	0.0	LR-5 3.5 × 10	LLR-20S
TN..33..	PTAN®/ℓ1616X33N	3	○		.630	16.0	.630	16	.630	16	4.724	120	–	–	0.0	0.0	LCS3	LW-2.5
TN..33..	PTLN®/ℓ2020L33	4	○	○	.787	20.0	.787	20	.787	20	5.512	140	–	–	.984	25	LCS3	LW-2.5

■DS-PTX / DS-PTX-ACH

Gage Insert	Item Number	Figure	Stock R	Stock L	D_s (Inch)	D_s (mm)	h (Inch)	h (mm)	b (Inch)	b (mm)	L_1 (Inch)	L_1 (mm)	f (Inch)	f (mm)	Clamp Screw	Wrench
TN..33..	DS-PTX®/ℓ19-33	5		○	3/4	19.050	.709	18.0	.709	18	4.724	120	.433	11.0	LCS33	LW-2
	DS-PTX®/ℓ20-33	5		○	.787	20.000	.748	19.0	.748	19	4.724	120	.433	11.0	LCS33	LW-2
	DS-PTX®/ℓ22-33	5		○	.866	22.000	.827	21.0	.827	21	4.724	120	.472	12.0	LCS33	LW-2
	DS-PTX®/ℓ25M-33	5		○	1	25.400	.945	24.0	.945	24	5.906	150	.512	13.0	LCS33	LW-2
TN..33..	DS-PTX®/ℓ16-33-ACH	6		●	.630	16.000	.610	15.5	.591	15	4.724	120	.433	11.0	LCS33	LW-2
	DS-PTX®/ℓ19-33-ACH	6		●	3/4	19.050	.709	18.0	.709	18	4.724	120	.433	11.0	LCS33	LW-2
	DS-PTX®/ℓ20-33-ACH	6		●	.787	20.000	.748	19.0	.748	19	4.724	120	.433	11.0	LCS33	LW-2
	DS-PTX®/ℓ22-33-ACH	6		●	.866	22.000	.827	21.0	.827	21	4.724	120	.472	12.0	LCS33	LW-2
	DS-PTX®/ℓ25-33MET-ACH	1		●	1	25.000	.945	24.0	.945	24	5.906	150	.512	13.0	LCS33	LW-2
	DS-PTX®/ℓ25-33-ACH	6		●	1	25.400	.945	24.0	.945	24	5.906	150	.512	13.0	LCS33	LW-2

Note: All angles shown are obtained when insert is set in the holder

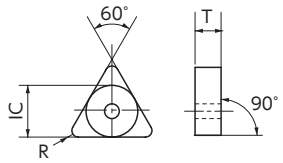
Inserts ➡Q36
Cutting condition ➡Q4

● : Stock
● : Stock (Newly added)
■□RL : While stocks last
R L : Stock (Right / Left-hand only)
R L : Stock (Right / Left-hand only, Newly added)
Ⓜ : Mirror finish
○ : 1-2 week delivery
○ : 1-2 week delivery (Newly added)
💧 : Coolant through
ⓇⓁ : 1-2 week delivery (Right / Left-hand only)
ⓇⓁ : 1-2 week delivery (Right / Left-hand only, Newly added)

TN..33 inserts - Carbide

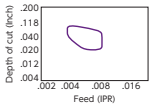
(inch)	IC	T
TN..33	3/8	3/16

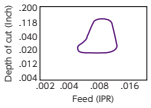
● : 1st Choice ● : 2nd choice

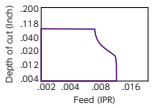


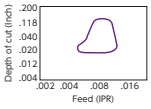
		ST4	DM4	DT4	QM3	TM4	VM1	ZM3	KM1	CP1	UC1
Steel	P	●	●	●	●	●	●	●	●		
Stainless Steel	M	●	●	●	●	●	●	●	●		
Cast Iron	K									●	
Non-Ferrous Material	N					●	●	●	●		●
Heat Resistant Alloy	S	●	●	●	●	●					
Hardened Material	H	●	●	●	●						

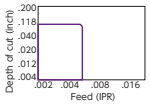
Shape	Item Number	ISO Item Number	IC	R	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	KM1	CP1	UC1
	TNEG 3308 F R/L D1	TNEG 160402 F R/L D1	3/8	.008					Ⓡ Ⓛ					
	TNEG 331 F R/L D1	TNEG 160404 F R/L D1	3/8	.016					Ⓡ Ⓛ					
	TNEG 332 F R/L D1	TNEG 160408 F R/L D1	3/8	.031					Ⓡ Ⓛ					
	TNGG 3308 F R/L C	TNGG 160402 F R/L C	3/8	.008							Ⓡ			
	TNGG 3304 F R/L DA	TNGG 160401 F R/L DA	3/8	.004						Ⓡ	Ⓡ			
	TNGG 3304 F R/L U2	TNGG 160401 F R/L U2	3/8	.004						Ⓡ	Ⓡ			
	TNGG 3308 F R/L U2	TNGG 160402 F R/L U2	3/8	.008		Ⓡ Ⓛ					R Ⓛ			
	TNGG 331 F R/L U2	TNGG 160404 F R/L U2	3/8	.016		Ⓡ Ⓛ					R Ⓛ			
	TNGG 332 F R/L U2	TNGG 160408 F R/L U2	3/8	.031							R Ⓛ			
	TNGG 3304M FNUL	TNGG 160401M FNUL	3/8	.003	○	●		○	●					
	TNGG 3308M FNUL	TNGG 160402M FNUL	3/8	.007	○	●		○	●					
	TNGG 331M FNUL	TNGG 160404M FNUL	3/8	.015	○	●		○	●					
	TNGG 332M FNUL	TNGG 160408M FNUL	3/8	.031	○	●		○	●					
	TNGG 3308 FNZP	TNGG 160402 FNZP	3/8	.008		○		○		○	○			
	TNGG 331 FNZP	TNGG 160404 FNZP	3/8	.016		○		●		○	●			
	TNGG 332 FNZP	TNGG 160408 FNZP	3/8	.031		○		●		○	●			

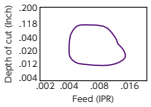












Toolholders for CN.. Inserts

PCLN-N

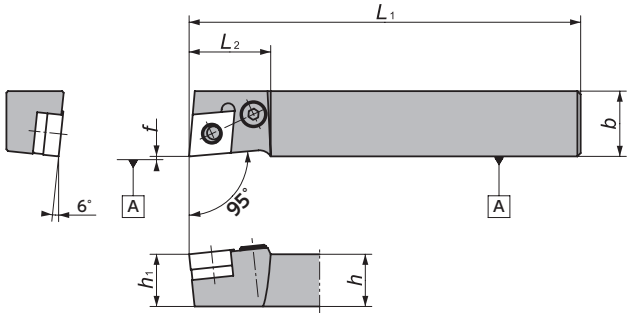
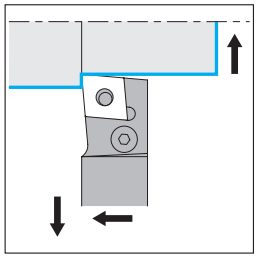


Figure-1



Right-Hand style shown

PCLN

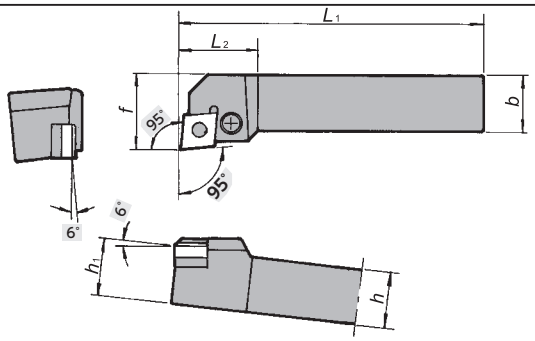
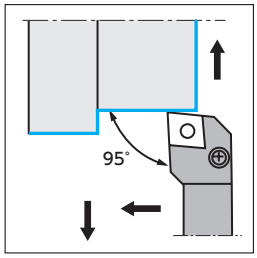


Figure-2



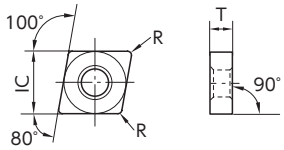
Right-Hand style shown

Gage Insert	Item Number	Figure	Stock R	Stock L	h (Inch)	h (mm)	b (Inch)	b (mm)	h_1 (Inch)	h_1 (mm)	L_1 (Inch)	L_1 (mm)	f (Inch)	f (mm)	L_2 (Inch)	L_2 (mm)	Shim	Clamp Pin	Clamp Screw	Spring	Wrench
CN..43..	PCLN℞1620X43N	1	○		.630	16	.787	20	.630	16	4.724	120	0.0	0.0	.984	25	LSC42	LCL4	LCS4CA	LSP4	LW-3
	PCLN℞2020K43	2	○	○	.787	20	.787	20	.787	20	4.921	125	.984	25	1.102	28	LSD42	LCL4	LCS4	LSP4	LW-3
	PCLN℞2525M43	2	○	○	.984	25	.984	25	.984	25	5.906	150	1.260	32	1.102	28	LSD42	LCL4	LCS4	LSP4	LW-3

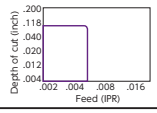
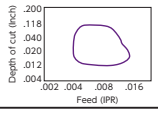
CN..43 Inserts - Carbide

(inch)	IC	T
CN..43	1/2	3/16

● : 1st Choice ● : 2nd choice



		ST4	DM4	DT4	QM3	TM4	VM1	ZM3	KM1	CP1	UC1
Steel	P	●	●	●	●	●	●	●	●		
Stainless Steel	M	●	●	●	●	●	●	●	●		
Cast Iron	K									●	
Non-Ferrous Material	N					●	●	●	●		●
Heat Resistant Alloy	S	●	●	●	●	●					
Hardened Material	H	●	●	●	●						

Shape	Item Number	ISO Item Number	IC	R	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	KM1	CP1	UC1	
	CNGG 431 FNUL	CNGG 120404 FNUL	1/2	.016		●		●	○						
	CNGG 432 FNUL	CNGG 120408 FNUL	1/2	.031		●		●	○						
	CNGG 431 FNZP	CNGG 120404 FNZP	1/2	.016		●		●			●				
	CNGG 432 FNZP	CNGG 120408 FNZP	1/2	.031		●		●			●				

Toolholders for DN.. Inserts

PDJN-N

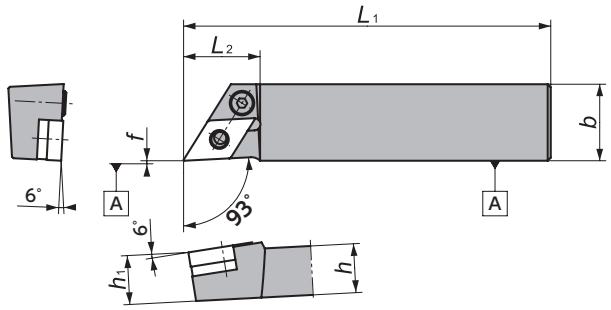
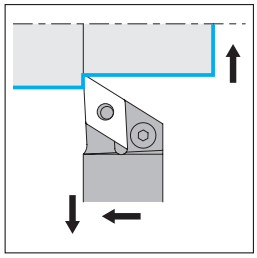


Figure-1



Right-Hand style shown

PDJN

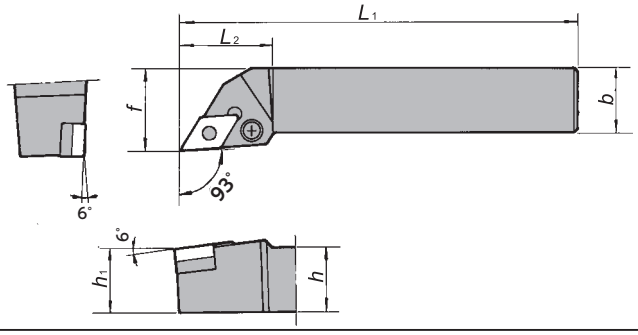
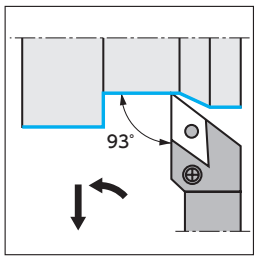
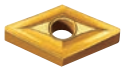


Figure-2



Right-Hand style shown

Gage Insert	Item Number	Figure	Stock R	Stock L	h (Inch)	h (mm)	b (Inch)	b (mm)	h_1 (Inch)	h_1 (mm)	L_1 (Inch)	L_1 (mm)	f (Inch)	f (mm)	L_2 (Inch)	L_2 (mm)	Shim	Clamp Pin	Clamp Screw	Spring	Wrench
 DN..43..	PDJN%1625X43N	1	○		.630	16	.984	25	.630	16	4.724	120	0.0	0.0	.984	25	LSD42	LCL4	LCS4CA	LSP4	LW-3
	PDJN%2020K43	2	○	○	.787	20	.787	20	.787	20	4.921	125	.984	25	1.260	32	LSD42	LCL4	LCS4	LSP4	LW-3
	PDJN%2525M43	2	○		.984	25	.984	25	.984	25	5.906	150	1.260	32	1.260	32	LSD42	LCL4	LCS4	LSP4	LW-3

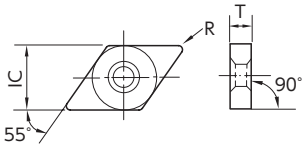
Note: All angles shown are obtained when insert is set in the holder

DN.. Inserts - Carbide

[Molded Chipbreakers]

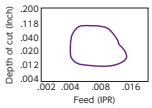
(inch)	IC	T
DN..43	1/2	3/16

● : 1st Choice ● : 2nd choice



		ST4	DM4	DT4	QM3	TM4	VM1	ZM3	KM1	CP1	UC1
		Carbide									
		PVD Coated								CVD	Diamond Coating
Steel	P	●	●	●	●	●	●	●	●		
Stainless Steel	M	●	●	●	●	●	●	●	●		
Cast Iron	K									●	
Non-Ferrous Material	N					●	●	●	●		●
Heat Resistant Alloy	S	●	●	●	●	●					
Hardened Material	H	●	●	●	●						

Shape	Item Number	ISO Item Number	IC	R	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	KM1	CP1	UC1
	DNGG 431 FNZP	DNGG 150404 FNZP	1/2	.016		●		●			●			
	DNGG 432 FNZP	DNGG 150408 FNZP	1/2	.031		●		●			●			



Cutting condition ➡Q4 Chipbreaker ➡P23