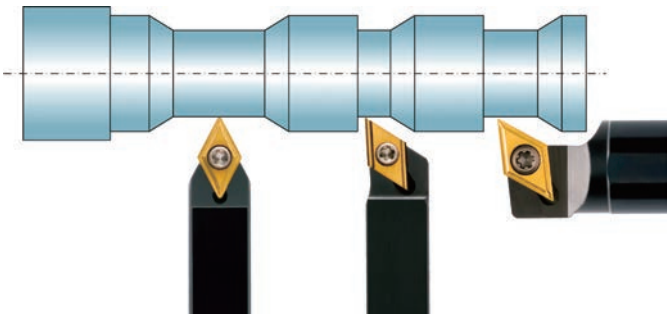


Front Turning

Product Lines	Q02
Recommended Cutting Conditions	Q04
General Information	Q05
TF.. series	Q06
CSV.. series	Q09
CC.. series	Q12
DC.. series	Q22
VC.. series	Q37
VP.. series	Q46
TC.. series	Q50
TN.. series	Q52
CN.. series	Q59
DN.. series	Q63

Product Lines



Insert	CSVF →Q11
Holder	CSV
	 → Q9

Front Turning

Insert	CC..0602/09T3.. →Q18					
Holder	SCAC	SCLC	SCLC-OH3/OH2/OH	SCLC-F	DS-SCLL	DS-SCLL-ACH
	 →Q17	 →Q14	 →Q12 Coolant through	 →Q14 Shifted	 →Q16 DS	 →Q15 DS-ACH

Insert	DC..0702/11T3.. →Q32					
Holder	SDJC	SDJC-OH3/OH2/OH	SDJC-F	Y-SDJC	Y-SDJC-OH2/OH	CH-SDUC
	 →Q24	 →Q22 Coolant through	 →Q25 Shifted	 →Q27 Y-axis	 →Q26 Y-axis Coolant through	 →Q29

Insert	DC..0702/11T3..-WP →Q33						
Holder	DS-SDUL	DS-SDUL-ACH	SDXC	DS-SDX	SDQC	SDNC	Y-SDNC
	 →Q28 DS	 →Q27 DS-ACH	 →Q29	 →Q30 DS	 →Q30	 →Q31	 →Q31 Y-axis

Insert	VC.1103.. →Q44				
	VC..1103..-WP →Q44				
Holder	SVAC →Q39	SVJC →Q37	SVJC-OH →Q37 Coolant through	Y-SVXCL →Q41 Y-axis	Y-SVJC-OH →Q38 Y-axis Coolant through

Insert	VC.1103.. →Q44				VC..1102.. →Q44
	SVXC	DS-SVX	SVQC	SVVCN	SVAC-1L
Holder	 →Q41	 →Q42 DS	 →Q43	 →Q42	 →Q39

Insert	VP..0802.. →Q49			VP..1103.. →Q49		
	SVQP	CH-SVUP	DS-SVXP	SVXP	DS-SVVPN	DS-SVVPN-ACH
Holder	 →Q47	 →Q48	 →Q46 DS	 →Q46	 →Q48 DS	 →Q47 DS-ACH

Insert	TFX33.. TF33.. →Q8		TC..0902.. →Q51		CN..1204.. →Q60	DN..1504.. →Q64
	TFX-OH3/OH2	TFT	TC..0902/1102..-WP →Q51	STAC	CH-STUC	PCLN
Holder	 →Q6 Coolant through	 →Q7	 →Q50	 →Q50	 →Q59	 →Q63

Insert	TN..1604.. →Q56					
	PTXN-OH3/OH2/PTXN	STXN	DS-PTX	DS-PTX-ACH	PTAN	PTLN
Holder	 →Q52	 →Q53	 →Q54 DS	 →Q54 DS-ACH	 →Q55	 →Q55

Recommended Cutting Conditions

Front Turning

CSVF / CC.. / DC.. / VC.. / VB.. / TN.. / TF

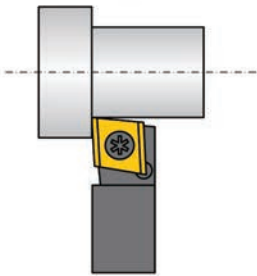
Work Material		High Temperature Alloys	Titanium Alloys	Cobalt Chrome Alloys	Stainless Steels		Alloy Steels	Carbon Steels
		Inconel Hastelloy MP35N	Ti-6Al-4V	ASTM F-75	Hard to cut	Free cutting	SCr420 SCM435	S10C S45C
Grade	1st choice	DM4 / DT4			ST4 DM4	DM4 DT4	TM4	QM3
	2nd choice	TM4 / QM3			QM3 / VM1		QM3	TM4 / DM4 / DT4
Cutting Speed (m/min)		20 40 65	30 55 80	40 70 100	45 110 180	45 90 150		
Feed Rate (mm/rev)	Depth of cut ≤ 0.1	AMX KHG 0.01 0.02 0.03			AMX KHG 0.01 0.03 0.04			
	Depth of cut 0.1~1.5	YL CL AM3 S 0.02 0.04 0.06			YL CL AM3 AZ7 S U/U1 UL 0.02 0.05 0.09			
	Depth of cut >1.5	YL CL AM3 S 0.02 0.04 0.06			YL CL AM3 ZP 0.03 0.06 0.1			

General Information

General Turning Inserts Explained

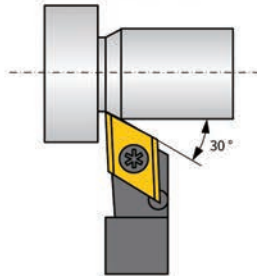
Advantage for each geometry

CC.. Style (80°)



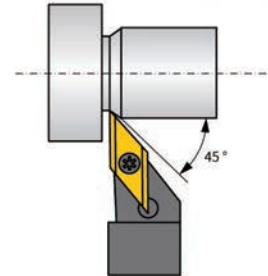
- Increased toughness. Cutting edge is close to insert pocket.
- Not applicable to undercut

DC.. Style (55°)



- Versatile geometry. Toughness of CC.. with flexibility of VC..
- Up to 30 deg. undercuts

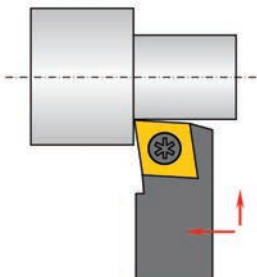
VB / VC / VP Style (35°)



- Wide coverage in work geometry.
- Up to 45 deg. undercuts

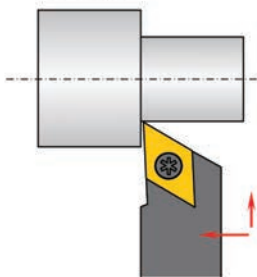
Chip Control and Finish

SCLCR



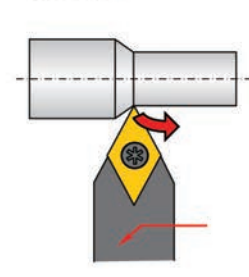
Rigid clamping
High dimensional repeatability

SDJCR



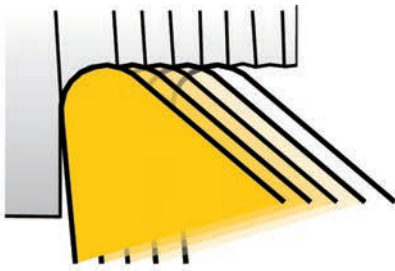
Increased room for chip evacuation
creates better surface finish

SDNCN

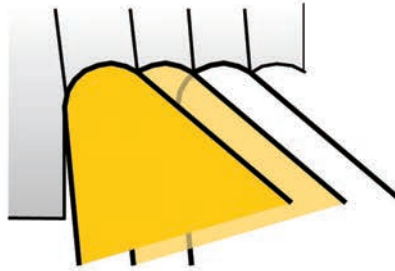


Chips flow away from the work

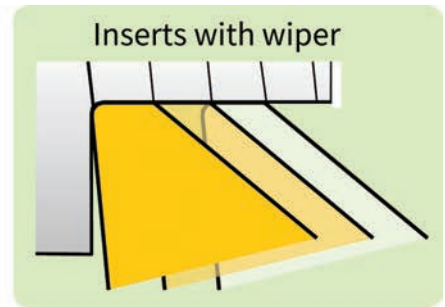
Surface Finish in General Front Turning Operations Using Inserts with Wiper Flat



Slower feed rates create better finishes but sacrifice cycle time, chip control, and tool life.



Fast feed rates improve chip control but produce a bad surface finish.



Inserts with a wiper flat create good chip control and surface finish when feed rates are increased.

Wiper Flat Insert - WP series

DCGT..-WP (TFD)



for SDJC toolholders

TCGT..-WP (TFT)



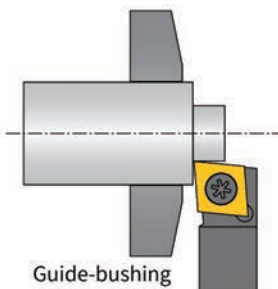
for STAC toolholders

VCGT..-WP (TFV)

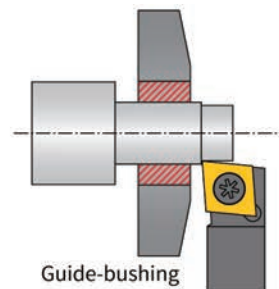


for SVAC toolholders

Roughing and Finishing Long Work on Swiss Lathes

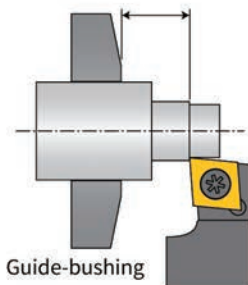


Single pass machining is common in Swiss front turning operations.



Conventional toolholders are not suitable for roughing or finishing of long parts. The guide-bushing cannot hold machined bar stock.

Shifted Holders



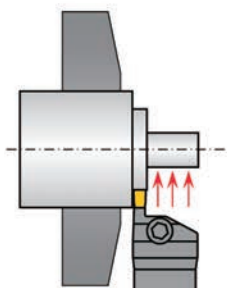
Shifted Holders make a finishing process possible without worrying about the bar stock coming out of the guide-bushing. Coolant flows effectively which improves chip control thanks to the increased room between the tools and guide-bushing.

SCLC-N-F

SDJC-N-F

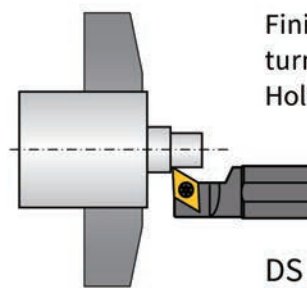
SVJC-N-F

Combination of Grooving Tool and DS Holders



Rough with grooving tool for good chip control

GTWP Holders



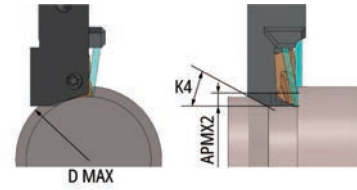
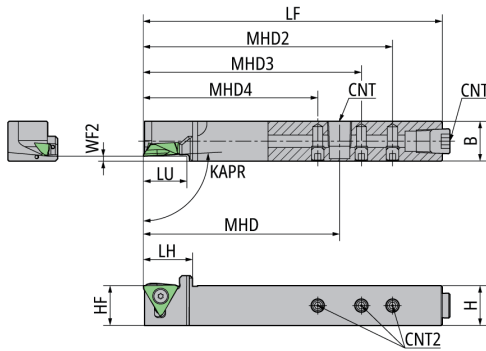
Finish by using general turning inserts with DS Holders

DS Holders

Front Turning Operations

TF.. series/Toolholder

TFT-OH3 [93°] Coolant through (direct connect compatible) The Front Max.



[Workpiece shape restrictions during machining]
 DMAX: Max. bar stock diameter during APMX2 max DOC
 K4: Max. taper angle
 APMX2: Max depth of cut

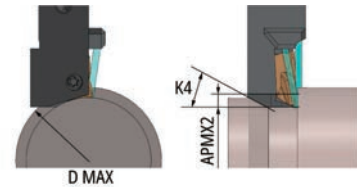
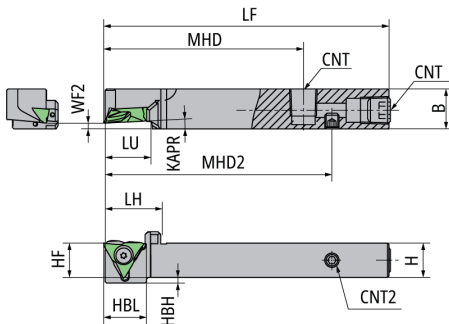
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	DMAX mm	APMX2 mm	K4 °	B mm	CNT	CNT2	H mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	MHD2 mm	MHD3 mm	MHD4 mm	WF2 mm	Insert Gage	
5121801	TFTR1616X-OH3			R	40	2.5	30	16	Rc1/8	M5	16	16	93	120	19.75	18	78.75	100	87.5	70	2	TFX33.. TF33..

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Screw (for CNT2)	Wrench (for Clamp screw)	Wrench (for CNT2)
TFTR1616X-OH3	LR-S-4*10PW	SPR1/8L	SS0505SC	CLR-15S	LW-2.5

TFT-OH2 [93°] Coolant through (direct connect compatible) The Front Max.



[Workpiece shape restrictions during machining]
 DMAX: Max. bar stock diameter during APMX2 max DOC
 K4: Max. taper angle
 APMX2: Max depth of cut

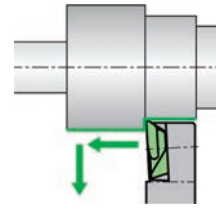
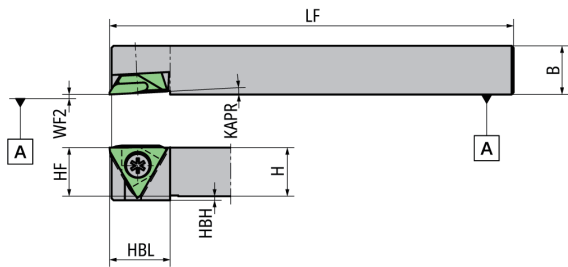
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	DMAX mm	APMX2 mm	K4 °	B mm	CNT	CNT2	H mm	HBH mm	HBL mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	MHD2 mm	WF2 mm	Insert Gage	
5030630	TFTR1014H-OH2			R	20	2.5	30	14	M6*1	M5	10	4	15	10	3	100	20	15	70	80	2	TFX33.. TF33..
5030648	TFTR1214H-OH2			R	30	2.5	30	14	Rc1/8	M5	12	2	15	12	3	100	20	15	70	80	2	TFX33.. TF33..
5030655	TFTR1616X-OH2			R	40	2.5	30	16	Rc1/8	M5	16	-	-	16	3	120	20	17.5	70	100	2	TFX33.. TF33..

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Screw (for CNT2)	Wrench (for Clamp screw)	Wrench (for CNT2)
TFTR1014H-OH2	LR-S-4*10PW	SS0605SC	SS0505SC	CLR-15S	LW-2.5
TFTR1214H-OH2	LR-S-4*10PW	SPR1/8	SS0505SC	CLR-15S	LW-2.5
TFTR1616X-OH2	LR-S-4*10PW	SPR1/8L	SS0505SC	CLR-15S	LW-2.5

TFT [93°]



● Diagram shows right-hand tool

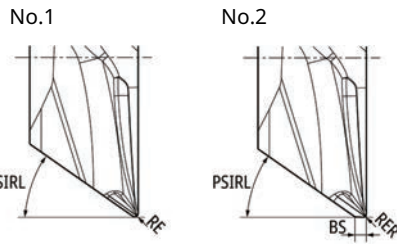
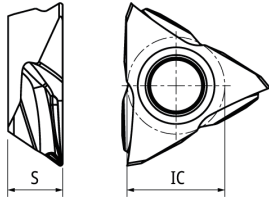
EDP	Item Number	Stock	Hand	B mm	H mm	HBH mm	HBL mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage	
5196993	TFTR10	●	R	10	10	3	15	10	3	120	0	TFX33..	TF33..
5197025	TFTR12	●	R	12	12	1	15	12	3	120	0	TFX33..	TF33..
5205190	TFTR16	●	R	16	16	-	-	16	3	120	0	TFX33..	TF33..
5562723	TFTR20	●	R	20	20	-	-	20	3	120	0	TFX33..	TF33..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
TFTR10	LR-S-4*10PW	CLR-15S
TFTR12	LR-S-4*10PW	CLR-15S
TFTR16	LR-S-4*10PW	CLR-15S
TFTR20	LR-S-4*10PW	CLR-15S

TF.. series/Inserts

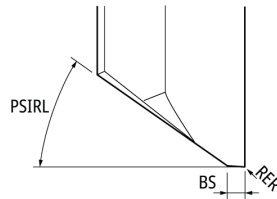
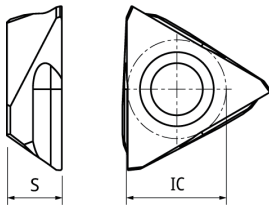
TFX The Front Max



● Diagram shows right-hand tool
All angles shown are obtained when insert is set in the holder.

Figure	Item Number	Hand	Wiper	APMX	IC	S	BS	PSIRL	RE	RER	Carbide PVD		
											mm	mm	mm
1	TFX3301MR	R	No	5	9.525	4.76	-	32	0.08	-	●	●	
1	TFX3302MR	R	No	5	9.525	4.76	-	32	0.18	-	●	●	
1	TFX3304MR	R	No	5	9.525	4.76	-	32	0.38	-	●	●	
2	TFX3301MRW	R	Straight	5	9.525	4.76	0.5	32	-	0.08	●	●	
2	TFX3302MRW	R	Straight	5	9.525	4.76	0.5	32	-	0.18	●	●	
2	TFX3304MRW	R	Straight	5	9.525	4.76	0.5	32	-	0.38	●	●	

TF

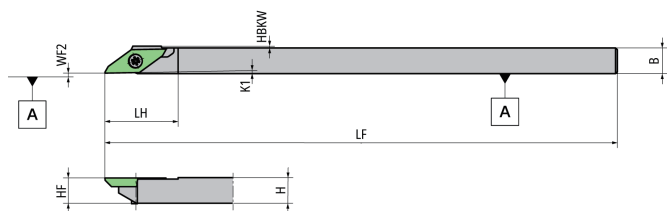


● Diagram shows right-hand tool
All angles shown are obtained when insert is set in the holder.

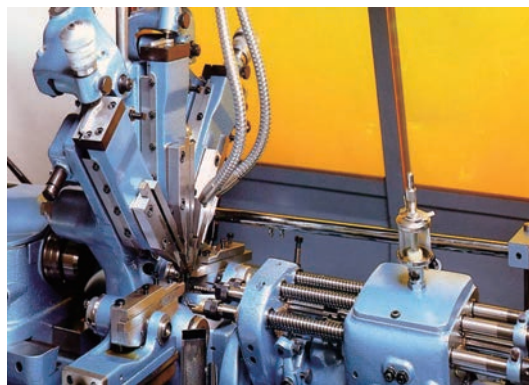
Item Number	Hand	Wiper	APMX	IC	S	BS	PSIRL	RER	Carbide PVD			
									mm	mm	mm	mm
TF3300R	R	Straight	4	9.525	4.76	0.5	32	0				●
TF3305R	R	Straight	4	9.525	4.76	0.5	32	0.05				●
TF3315R	R	Straight	4	9.525	4.76	0.5	32	0.15				●
TF3320R	R	Straight	4	9.525	4.76	0.5	32	0.2				○

CSVF.. series/Toolholder

CSV [91°] For Cam-style machine



● Diagram shows right-hand tool



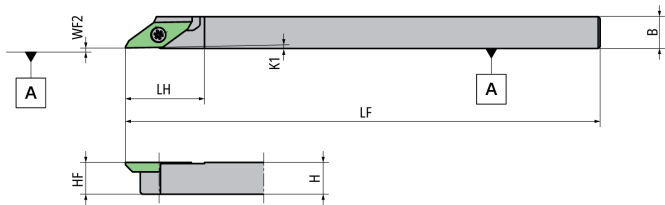
Front Turning Q

EDP	Item Number	Stock	Hand	B mm	H mm	HBKW mm	HF mm	K1 °	LF mm	LH mm	WF2 mm	Insert Gage	
5303169	CSV07	●	R	7	7	0.5	7	1	140	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5492962	CSV07GX	●	R	7	7	0.5	7	1	85	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5303151	CSV08	●	R	8	8	0	8	1	140	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5492954	CSV08GX	●	R	8	8	0	8	1	85	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5303136	CSV095	●	R	9.5	9.5	0	9.5	1	140	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5303144	CSV10	●	R	10	10	0	10	1	140	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5327929	CSV12	●	R	12	12	0	12	1	140	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5474770	CSV12GX	●	R	12	12	0	12	1	85	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5303193	CSVL07	●	L	7	7	0.5	7	1	140	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5303201	CSVL08	●	L	8	8	0	8	1	140	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..
5303177	CSVL10	●	L	10	10	0	10	1	140	20	0.1	CSVF../CSVB../CSVC..	CSVG../CSVT..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
CSV07	LRIS-2.5*7	CLR-15S
CSV07GX	LRIS-2.5*7	CLR-15S
CSV08	LRIS-2.5*7	CLR-15S
CSV08GX	LRIS-2.5*7	CLR-15S
CSV095	LRIS-2.5*7	CLR-15S
CSV10	LRIS-2.5*7	CLR-15S
CSV12	LRIS-2.5*7	CLR-15S
CSV12GX	LRIS-2.5*7	CLR-15S
CSVL07	LRIS-2.5*7	CLR-15S
CSVL08	LRIS-2.5*7	CLR-15S
CSVL10	LRIS-2.5*7	CLR-15S

CSV-NC [91°] For Gang-style machine



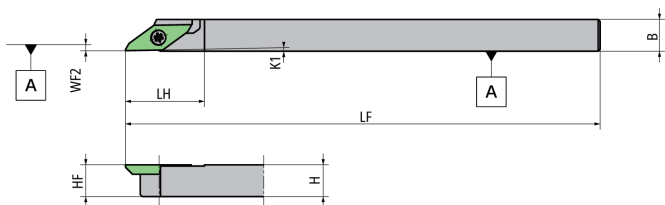
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	K1 °	LF mm	LH mm	WF2 mm	Insert Gage	
5514062	CSVR08NC	●	R	8	8	8	1	120	20	0.1	CSVF./CSVB../CSVCL..	CSVG../CSVTL..
5563010	CSVR10GXNC	●	R	10	10	10	1	85	20	0.1	CSVF./CSVB../CSVCL..	CSVG../CSVTL..
5477492	CSVR10NC	●	R	10	10	10	1	120	20	0.1	CSVF./CSVB../CSVCL..	CSVG../CSVTL..
5477534	CSVR12NC	●	R	12	12	12	1	120	20	0.1	CSVF./CSVB../CSVCL..	CSVG../CSVTL..
5514070	CSVL08NC	●	L	8	8	8	1	120	20	0.1	CSVF./CSVB../CSVCL..	CSVG../CSVTL..
5477542	CSVL10NC	●	L	10	10	10	1	120	20	0.1	CSVF./CSVB../CSVCL..	CSVG../CSVTL..
5477500	CSVL12NC	●	L	12	12	12	1	120	20	0.1	CSVF./CSVB../CSVCL..	CSVG../CSVTL..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
CSVR08NC	LRIS-2.5*7	CLR-15S
CSVR10GXNC	LRIS-2.5*7	CLR-15S
CSVR10NC	LRIS-2.5*7	CLR-15S
CSVR12NC	LRIS-2.5*7	CLR-15S
CSVL08NC	LRIS-2.5*7	CLR-15S
CSVL10NC	LRIS-2.5*7	CLR-15S
CSVL12NC	LRIS-2.5*7	CLR-15S

CSV-NC-F [91°] For Gang-style machine



● Diagram shows right-hand tool

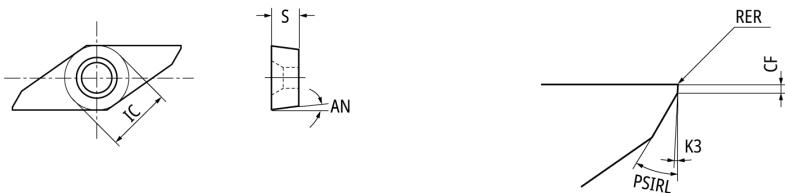
EDP	Item Number	Stock	Hand	B mm	H mm	HBKW mm	HF mm	K1 °	LF mm	LH mm	WF2 mm	Insert Gage	
5789615	CSVR08NC-F	●	R	8	8	0	8	1	120	20	0-0.1	CSVF./CSVB../CSVCL..	CSVG../CSVTL..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
CSVR08NC-F	LRIS-2.5*7	CLR-15S

CSVF.. series/Inserts Carbide

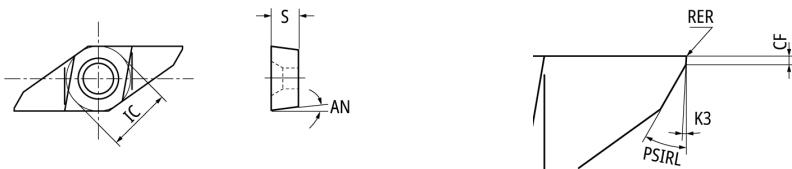
CSVF-V



● Diagram shows right-hand tool
All angles shown are obtained when insert is set in the holder.

Item Number	Hand	APMX	EPSR	IC	S	AN	CF	K3	PSIRL	RER	Carbide			
											mm	°	mm	mm
CSVF11FRV	M R	No	3	35	6.35	2.38	7	0.3	5	30	0	●		
CSVF11FRV-A	M R	No	3	35	6.35	2.38	7	0.3	2	30	0	●		
CSVF11FRV-C	M R	No	3	35	6.35	2.38	7	0.15	5	30	0	●		
CSVF11FRV-M	M R	No	3	35	6.35	2.38	7	0.15	2	30	0	●	●	●
CSVF11FLV	M L	No	3	35	6.35	2.38	7	0.3	5	30	0	●		
CSVF11FLV-M	M L	No	3	35	6.35	2.38	7	0.15	2	30	0	●		

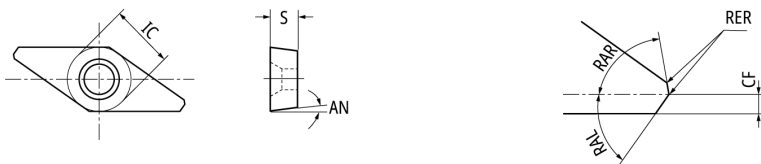
CSVF-VB



● Diagram shows right-hand tool
All angles shown are obtained when insert is set in the holder.

Item Number	Hand	APMX	EPSR	IC	S	AN	CF	K3	PSIRL	RER	Carbide			
											mm	°	mm	mm
CSVF11FRVB	M R	Yes	3	35	6.35	2.38	7	0.3	5	30	0	●		
CSVF11FRVB-A	M R	Yes	3	35	6.35	2.38	7	0.3	2	30	0	●		
CSVF11FRVB-C	M R	Yes	3	35	6.35	2.38	7	0.15	5	30	0	●		
CSVF11FRVB-M	M R	Yes	3	35	6.35	2.38	7	0.15	2	30	0	●	●	●
CSVF11FLVB	M L	Yes	3	35	6.35	2.38	7	0.3	5	30	0	●		
CSVF11FLVB-M	M L	Yes	3	35	6.35	2.38	7	0.15	2	30	0	●		

CSVF-VX For Profiling

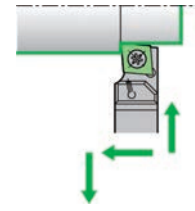
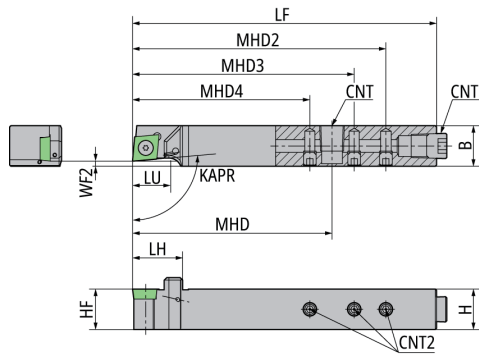


● Diagram shows left-hand tool
All angles shown are obtained when insert is set in the holder.

Item Number	Hand	APMX	EPSR	IC	S	AN	CF	RAL	RAR	RER	Carbide			
											mm	°	mm	mm
CSVF11FLVX	M L	No	3	35	6.35	2.38	7	0.7	45	80	0	●		

CC.. Series/Toolholder

SCLC-N-OH3 [95 °] Coolant through (direct connect compatible)



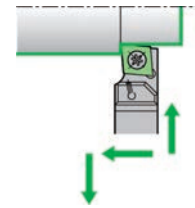
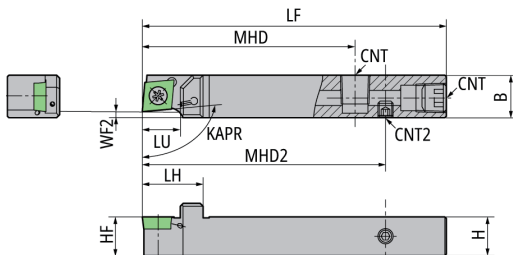
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	CNT	CNT2	H mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	MHD2 mm	MHD3 mm	MHD4 mm	WF2 mm	Insert Gage
5123468	SCLCR1012H09N-OH3	● ●	R	12	M6*1	M5	10	10	95	100	17	12	62.5	80	70	55	0	CC..09T3..
5121819	SCLCR1616X09N-F02OH3	● ●	R	16	Rc1/8	M5	16	16	95	120	20	17.7	78.75	100	87.5	70	2	CC..09T3..

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Screw (for CNT2)	Wrench (for Clamp screw)	Wrench (for CNT2)
SCLCR1012H09N-OH3	LRIS-4*10	SS0605SC	SS0505SC	LLR-25S	LW-2.5
SCLCR1616X09N-F02OH3	LRIS-4*10	SPR1/8	SS0505SC	LLR-25S	LW-2.5

SCLC-N-OH2 [95 °] Coolant through (direct connect compatible)



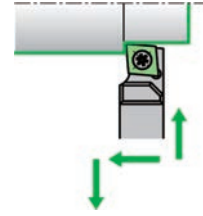
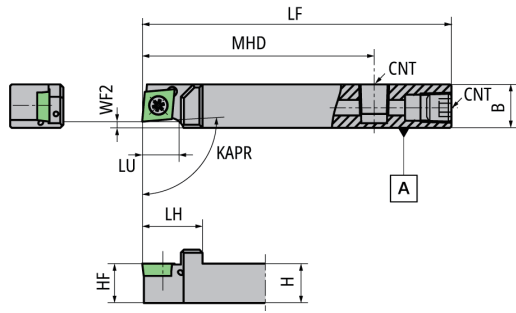
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	CNT	CNT2	H mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	MHD2 mm	WF2 mm	Insert Gage
5037957	SCLCR1214H09N-F02OH2	● ●	R	14	Rc1/8	M5	12	12	95	100	19.5	12	70	80	2	CC..09T3..
5044011	SCLCR1616X09N-F02OH2	● ●	R	16	Rc1/8	M5	16	16	95	120	19.5	17.7	70	100	2	CC..09T3..

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Screw (for CNT2)	Wrench (for Clamp screw)	Wrench (for CNT2)
SCLCR1214H09N-F02OH2	LRIS-4*10	SPR1/8	SS0505SC	LLR-25S	LW-2.5
SCLCR1616X09N-F02OH2	LRIS-4*10	SPR1/8	SS0505SC	LLR-25S	LW-2.5

SCLC-N-OH [95 °] Coolant through



● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	CNT	H mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	WF2 mm	Insert Gage
5905740	SCLCR1014F09N-F02OH	●	R	14	M6*1	10	10	95	80	19.5	12	55	2	CC..09T3..
5905732	SCLCR1214H09N-F02OH	●	R	14	Rc1/8	12	12	95	100	19.5	12	75	2	CC..09T3..
5905658	SCLCR1616H09N-F02OH	●	R	16	Rc1/8	16	16	95	100	19.5	17.7	75	2	CC..09T3..

Front Turning

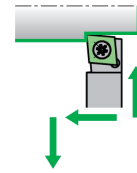
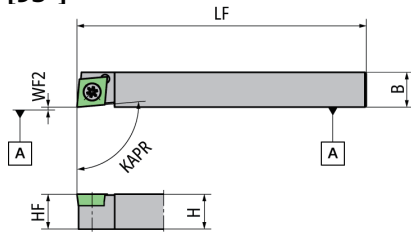


Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Wrench (for Clamp screw)	Wrench (for CNT)
SCLCR1014F09N-F02OH	LRIS-4*10	SS0605SC	LLR-25S	LW-3
SCLCR1214H09N-F02OH	LRIS-4*10	SPR1/8	LLR-25S	-
SCLCR1616H09N-F02OH	LRIS-4*10	SPR1/8	LLR-25S	-

CC.. Series/Toolholder

SCLC-N [95°]



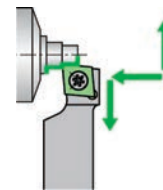
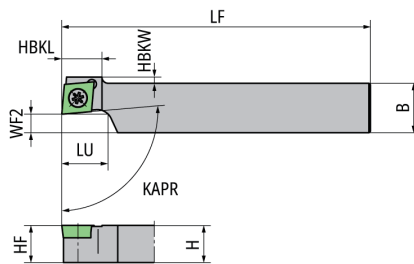
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5137021	SCLCR0808X06N	●	R	8	8	8	95	120	0	CC..0602..
5873872	SCLCR1010H09N	●	R	10	10	10	95	100	0	CC..09T3..
5122171	SCLCR1010X06N	●	R	10	10	10	95	120	0	CC..0602..
5152889	SCLCR1010X09N	●	R	10	10	10	95	120	0	CC..09T3..
5459839	SCLCR1212GX09N	●	R	12	12	12	95	85	0	CC..09T3..
5137039	SCLCR1212X09N	●	R	12	12	12	95	120	0	CC..09T3..
5191200	SCLCR1616X09N	●	R	16	16	16	95	120	0	CC..09T3..
5137898	SCLCL0808X06N	●	L	8	8	8	95	120	0	CC..0602..
5137880	SCLCL1010X06N	●	L	10	10	10	95	120	0	CC..0602..
5152897	SCLCL1010X09N	●	L	10	10	10	95	120	0	CC..09T3..
5459821	SCLCL1212GX09N	●	L	12	12	12	95	85	0	CC..09T3..
5137872	SCLCL1212X09N	●	L	12	12	12	95	120	0	CC..09T3..
5191218	SCLCL1616X09N	●	L	16	16	16	95	120	0	CC..09T3..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SCLCR0808X06N	LRIS-2.5*7	CLR-15S
SCLCR1010H09N	LRIS-4*10	LLR-25S
SCLCR1010X06N	LRIS-2.5*7	CLR-15S
SCLCR1010X09N	LRIS-4*10	LLR-25S
SCLCR1212GX09N	LRIS-4*10	LLR-25S
SCLCR1212X09N	LRIS-4*10	LLR-25S
SCLCR1616X09N	LRIS-4*10	LLR-25S
SCLCL0808X06N	LRIS-2.5*7	CLR-15S
SCLCL1010X06N	LRIS-2.5*7	CLR-15S
SCLCL1010X09N	LRIS-4*10	LLR-25S
SCLCL1212GX09N	LRIS-4*10	LLR-25S
SCLCL1212X09N	LRIS-4*10	LLR-25S
SCLCL1616X09N	LRIS-4*10	LLR-25S

SCLC-N-F [95°] Shifted



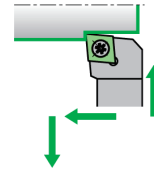
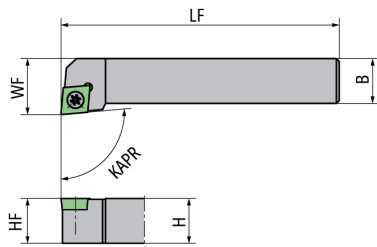
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HBKW mm	HF mm	KAPR °	LF mm	LU mm	WF2 mm	Insert Gage
5700240	SCLCR1015X09N-F05	●	R	15	10	2	10	95	120	12	5	CC..09T3..
5700265	SCLCR1020X09N-F10	●	R	20	10	2	10	95	120	12	10	CC..09T3..
5700364	SCLCR1218X09N-F06	●	R	18	12	-	12	95	120	12	6	CC..09T3..
5700380	SCLCR1224X09N-F12	●	R	24	12	-	12	95	120	12	12	CC..09T3..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SCLCR1015X09N-F05	LRIS-4*10	LLR-25S
SCLCR1020X09N-F10	LRIS-4*10	LLR-25S
SCLCR1218X09N-F06	LRIS-4*10	LLR-25S
SCLCR1224X09N-F12	LRIS-4*10	LLR-25S

SCLC [95°]



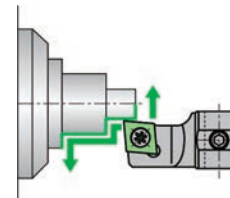
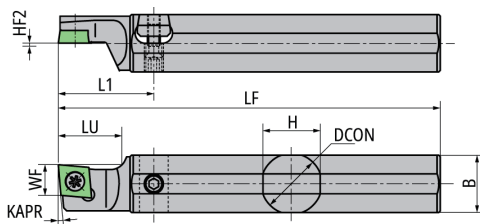
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF mm	Insert Gage
5744719	SCLCR20-X09	●	R	20	20	20	95	120	24	CC..09T3..
5884911	SCLCL20-X09	●	L	20	20	20	95	120	24	CC..09T3..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SCLCR20-X09	LRIS-4*10	LLR-25S
SCLCL20-X09	LRIS-4*10	LLR-25S

DS-SCL-ACH [95°] Adjustable centerline height



● Diagram shows left-hand tool

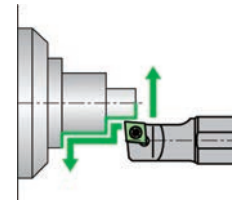
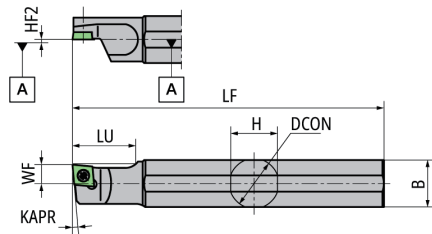
NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	DCON mm	H mm	HF2 mm	KAPR °	LF mm	LU mm	L1 mm	WF mm	Insert Gage
5833694	DS-SCLL16F-09-ACH	●	L	15.5	16	15.5	Type B(0~+0.3)	5	80	20	30	6	CC..09T3..
5833702	DS-SCLL19-09-ACH	●	L	18	19.05	18	Type A(0~+0.2)	5	120	20	30	6	CC..09T3..
5833710	DS-SCLL20-09-ACH	●	L	19	20	19	Type A(0~+0.2)	5	120	20	30	6	CC..09T3..
5833728	DS-SCLL22-09-ACH	●	L	21	22	21	Type A(0~+0.2)	5	120	20	30	6	CC..09T3..
5833736	DS-SCLL25-09-ACH	●	L	24	25.4	24	Type A(0~+0.2)	5	150	20	30	6	CC..09T3..
5934013	DS-SCLL25-09MET-ACH	●	L	24	25	24	Type A(0~+0.2)	5	150	20	30	6	CC..09T3..

Spare Parts

Item Number	Clamp screw	{Screw (for Wedge)	Wedge	Wrench (for Clamp screw)	Wrench (for Wedge)
DS-SCLL16F-09-ACH	LRIS-4*8	WS060415-003	ACH-W18	LLR-25S-20*65	LW-3
DS-SCLL19-09-ACH	LRIS-4*8	WS060415-003	ACH-W18	LLR-25S-20*65	LW-3
DS-SCLL20-09-ACH	LRIS-4*8	WS060419-004	ACH-W18	LLR-25S-20*65	LW-3
DS-SCLL22-09-ACH	LRIS-4*8	WS060419-004	ACH-W18	LLR-25S-20*65	LW-3
DS-SCLL25-09-ACH	LRIS-4*8	WS060419-004	ACH-W24	LLR-25S-20*65	LW-3
DS-SCLL25-09MET-ACH	LRIS-4*8	WS060419-004	ACH-W24	LLR-25S-20*65	LW-3

DS-SCL [95°] DS Toolholders



● Diagram shows left-hand tool

NOTE: Use a right-handed (R) or non-handed insert.

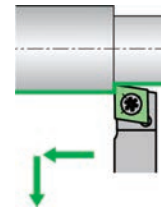
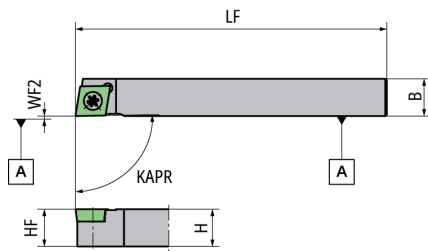
EDP	Item Number	Stock	Hand	B mm	DCON mm	H mm	HF2 mm	KAPR °	LF mm	LU mm	WF mm	Insert Gage
5602636	DS-SCLL14F-06	●	L	13	14	13	0	5	80	20	6	CC..0602..
5601729	DS-SCLL14F-09	●	L	13	14	13	0	5	80	20	6	CC..09T3..
5486923	DS-SCLL15H-06	●	L	15	15.875	15	0	5	100	20	6	CC..0602..
5486931	DS-SCLL15H-09	●	L	15	15.875	15	0	5	100	20	6	CC..09T3..
5601703	DS-SCLL16F-06	●	L	15	16	15	0	5	80	20	6	CC..0602..
5601711	DS-SCLL16F-09	●	L	15	16	15	0	5	80	20	6	CC..09T3..
5338876	DS-SCLL19-06	●	L	18	19.05	18	0	5	120	20	6	CC..0602..
5338884	DS-SCLL19-09	●	L	18	19.05	18	0	5	120	20	6	CC..09T3..
5563168	DS-SCLL19GX-09	●	L	18	19.05	18	0	5	85	20	6	CC..09T3..
5388608	DS-SCLL20-06	●	L	19	20	19	0	5	120	20	6	CC..0602..
5374699	DS-SCLL20-09	●	L	19	20	19	0	5	120	20	6	CC..09T3..
5520630	DS-SCLL20X-06	●	L	19	20	19	0	5	95	20	6	CC..0602..
5520655	DS-SCLL20X-09	●	L	19	20	19	0	5	95	20	6	CC..09T3..
5484936	DS-SCLL22-06	●	L	21	22	21	0	5	120	20	6	CC..0602..
5401096	DS-SCLL22-09	●	L	21	22	21	0	5	120	20	6	CC..09T3..
5486691	DS-SCLL25-06	●	L	24	25.4	24	0	5	120	20	6	CC..0602..
5520689	DS-SCLL25-06MET	●	L	24	25	24	0	5	120	20	6	CC..0602..
5486709	DS-SCLL25-09	●	L	24	25.4	24	0	5	150	20	6	CC..09T3..
5520671	DS-SCLL25-09MET	●	L	24	25	24	0	5	120	20	6	CC..09T3..
5939327	DS-SCLL32-09	●	L	30	32	30	0	5	150	20	6	CC..09T3..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
DS-SCLL14F-06	LRIS-2.5*7	CLR-15S
DS-SCLL14F-09	LRIS-4*8	LLR-25S-20*65
DS-SCLL15H-06	LRIS-2.5*7	CLR-15S
DS-SCLL15H-09	LRIS-4*8	LLR-25S-20*65
DS-SCLL16F-06	LRIS-2.5*7	CLR-15S
DS-SCLL16F-09	LRIS-4*8	LLR-25S-20*65
DS-SCLL19-06	LRIS-2.5*7	CLR-15S
DS-SCLL19-09	LRIS-4*8	LLR-25S-20*65
DS-SCLL19GX-09	LRIS-4*8	LLR-25S-20*65
DS-SCLL20-06	LRIS-2.5*7	CLR-15S
DS-SCLL20-09	LRIS-4*8	LLR-25S-20*65
DS-SCLL20X-06	LRIS-2.5*7	CLR-15S
DS-SCLL20X-09	LRIS-4*8	LLR-25S-20*65
DS-SCLL22-06	LRIS-2.5*7	CLR-15S
DS-SCLL22-09	LRIS-4*8	LLR-25S-20*65
DS-SCLL25-06	LRIS-2.5*7	CLR-15S
DS-SCLL25-06MET	LRIS-2.5*7	CLR-15S
DS-SCLL25-09	LRIS-4*8	LLR-25S-20*65
DS-SCLL25-09MET	LRIS-4*8	LLR-25S-20*65
DS-SCLL32-09	LRIS-4*8	LLR-25S-20*65

CC.. Series/Toolholder

SCAC-N F[91°]



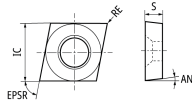
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5137013	SCACR0808X06N	●	R	8	8	8	91	120	0	CC..0602..
5119060	SCACR1010X06N	●	R	10	10	10	91	120	0	CC..0602..
5459847	SCACR1212GX09N	●	R	12	12	12	91	85	0	CC..09T3..
5137088	SCACR1212X09N	●	R	12	12	12	91	120	0	CC..09T3..
5137922	SCACL0808X06N	●	L	8	8	8	91	120	0	CC..0602..
5137914	SCACL1010X06N	●	L	10	10	10	91	120	0	CC..0602..
5137906	SCACL1212X09N	●	L	12	12	12	91	120	0	CC..09T3..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SCACR0808X06N	LRIS-2.5*7	CLR-15S
SCACR1010X06N	LRIS-2.5*7	CLR-15S
SCACR1212GX09N	LRIS-4*10	LLR-25S
SCACR1212X09N	LRIS-4*10	LLR-25S
SCACL0808X06N	LRIS-2.5*7	CLR-15S
SCACL1010X06N	LRIS-2.5*7	CLR-15S
SCACL1212X09N	LRIS-4*10	LLR-25S

Front Turning



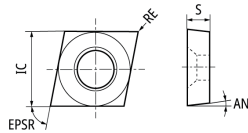
Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron									●
Non-Ferrous Material						○	○		●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide											Uncoated	
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD		PVD
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1			
	CCGT09T304MRS	Up-sharp edge	80	9.525	3.97	7	0.38	-			●	●	●								
	CCGT09T304RS	Up-sharp edge	80	9.525	3.97	7	0.4	-				●									
	CCGT060200RU	Up-sharp edge	80	6.35	2.38	7	0.03	-			●							●			
	CCGT060201RU	Up-sharp edge	80	6.35	2.38	7	0.1	-			●							●			
	CCGT060201LU	Up-sharp edge	80	6.35	2.38	7	0.1	-										●			
	CCGT060202RU	Up-sharp edge	80	6.35	2.38	7	0.2	-			●							●			
	CCGT060202LU	Up-sharp edge	80	6.35	2.38	7	0.2	-										●			
	CCGT09T300RU1	Up-sharp edge	80	9.525	3.97	7	0.03	-			●		●					●			
	CCGT09T300LU1	Up-sharp edge	80	9.525	3.97	7	0.03	-										●			
	CCGT09T301RU1	Up-sharp edge	80	9.525	3.97	7	0.1	-			●		●					●			
	CCGT09T301LU1	Up-sharp edge	80	9.525	3.97	7	0.1	-										●			
	CCGT09T302RU1	Up-sharp edge	80	9.525	3.97	7	0.2	-			●		●					●			
	CCGT09T302LU1	Up-sharp edge	80	9.525	3.97	7	0.2	-										●			
	CCGT09T304RU1	Up-sharp edge	80	9.525	3.97	7	0.4	-			●		●					●			
	CCGT09T304LU1	Up-sharp edge	80	9.525	3.97	7	0.4	-										●			
	CCET0602005RKHG	Up-sharp edge	80	6.35	2.38	7	0.05	-									●				
	CCET0602005LKHG	Up-sharp edge	80	6.35	2.38	7	0.05	-									●				
	CCET0602008RKHG	Up-sharp edge	80	6.35	2.38	7	0.08	-									●				
	CCET0602008LKHG	Up-sharp edge	80	6.35	2.38	7	0.08	-									●				
	CCET0602018RKHG	Up-sharp edge	80	6.35	2.38	7	0.18	-									●				
	CCET0602018LKHG	Up-sharp edge	80	6.35	2.38	7	0.18	-									●				
	CCET060202RKHG	Up-sharp edge	80	6.35	2.38	7	0.2	-									●				
	CCET060202LKHG	Up-sharp edge	80	6.35	2.38	7	0.2	-									●				
	CCET09T3005RKHG	Up-sharp edge	80	9.525	3.97	7	0.05	-					●		●						
	CCET09T3005LKHG	Up-sharp edge	80	9.525	3.97	7	0.05	-							●						
	CCET09T3008RKHG	Up-sharp edge	80	9.525	3.97	7	0.08	-					●		●						
	CCET09T3008LKHG	Up-sharp edge	80	9.525	3.97	7	0.08	-							●						
	CCET09T3018RKHG	Up-sharp edge	80	9.525	3.97	7	0.18	-					●		●						
	CCET09T3018LKHG	Up-sharp edge	80	9.525	3.97	7	0.18	-							●						
	CCET09T302RKHG	Up-sharp edge	80	9.525	3.97	7	0.2	-					●		●						
CCET09T302LKHG	Up-sharp edge	80	9.525	3.97	7	0.2	-							●							
	CCGT060201FRF1	Up-sharp edge	80	6.35	2.38	7	0.1	-	●			●	●								
	CCGT060202FRF1	Up-sharp edge	80	6.35	2.38	7	0.2	-	●			●	●								
	CCGT060204FRF1	Up-sharp edge	80	6.35	2.38	7	0.4	-	●			●	●								
	CCGT09T302FRF1	Up-sharp edge	80	6.35	2.38	7	0.2	-	●			●	●								
	CCGT09T304FRF1	Up-sharp edge	80	6.35	2.38	7	0.4	-	●			●	●								
	CCGW09T30V	Up-sharp edge	80	9.525	3.97	7	0	-							●						
	CCGW09T300FN	Up-sharp edge	80	9.525	3.97	7	0.03	-									●				
	CCGW09T300H	Up-sharp edge	80	9.525	3.97	7	0.03	-												●	
	CCGW09T301FN	Up-sharp edge	80	9.525	3.97	7	0.1	-									●				
	CCGW09T301H	Up-sharp edge	80	9.525	3.97	7	0.1	-												●	
	CCGW09T301P	Up-sharp edge	80	9.525	3.97	7	0.1	-								●					
	CCGW09T302H	Up-sharp edge	80	9.525	3.97	7	0.2	-												●	
	CCGW09T302MP	Up-sharp edge	80	9.525	3.97	7	0.18	-				●									
CCGW09T302P	Up-sharp edge	80	9.525	3.97	7	0.2	-								●						

Front Turning

CC.. series/Inserts PCD

CCM.



Steel			
Stainless Steel			
Cast Iron			
Non-Ferrous Material	●	●	●
Heat Resistant Alloy			
Hardened Material			
Others (non-metallic)			●

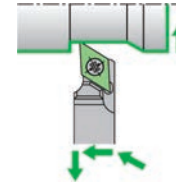
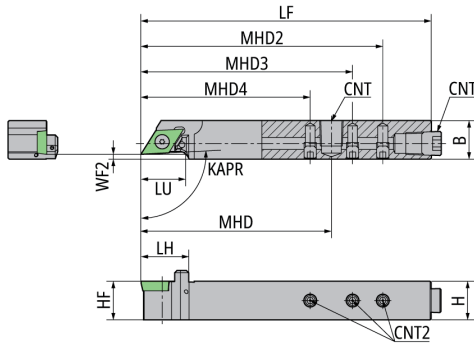
Shape	Item Number (ISO)	CECC	EPSR	IC	S	AN	RE	No. of edge	PCD		Diamond Coating
									PD1	PD2	UC1
	CCMT060201PBF	Up-sharp edge	80	6.35	2.38	7	0.1	1			●
	CCMT060202PBF	Up-sharp edge	80	6.35	2.38	7	0.2	1			●
	CCMT060204PBF	Up-sharp edge	80	6.35	2.38	7	0.4	1			●
	CCMT09T301PBF	Up-sharp edge	80	9.525	3.97	7	0.1	1			●
	CCMT09T302PBF	Up-sharp edge	80	9.525	3.97	7	0.2	1			●
	CCMT09T304PBF	Up-sharp edge	80	9.525	3.97	7	0.4	1			●
	CCMT09T302PF	Up-sharp edge	80	9.525	3.97	7	0.2	1			●
	CCMT09T304PF	Up-sharp edge	80	9.525	3.97	7	0.4	1			●
	CCMW09T301	Up-sharp edge	80	9.525	3.97	7	0.1	1	●		
	CCMW09T302	Up-sharp edge	80	9.525	3.97	7	0.2	1	●		
	CCMW09T304	Up-sharp edge	80	9.525	3.97	7	0.4	1	●		
	CCMW09T308	Up-sharp edge	80	9.525	3.97	7	0.8	1	●		

Front Turning



DC.. series/Toolholder

SDJC-N-OH3 [93 °] Coolant through (direct connect compatible)



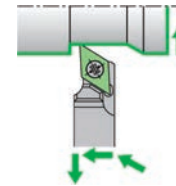
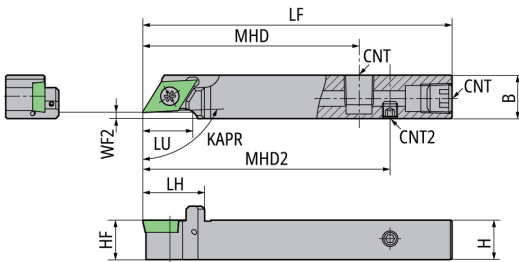
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	CNT	CNT2	H mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	MHD2 mm	MHD3 mm	MHD4 mm	WF2 mm	Insert Gage		
5117767	SDJCR1012H11N-OH3	●	●	R	12	M6*1	M5	10	10	93	100	17	16	62.5	80	70	55	0	DC..11T3..	DC..11T3..WP(TFD11..)
5122353	SDJCR1616X11N-F02OH3	●	●	R	16	Rc1/8	M5	16	16	93	120	20	18.4	78.75	100	87.5	70	2	DC..11T3..	DC..11T3..WP(TFD11..)

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Screw (for CNT2)	Wrench (for Clamp screw)	Wrench (for CNT2)
SDJCR1012H11N-OH3	LRIS-4*10	SS0605SC	SS0505SC	LLR-25S	LW-2.5
SDJCR1616X11N-F02OH3	LRIS-4*10	SPR1/8	SS0505SC	LLR-25S	LW-2.5

SDJC-N-OH2 [93 °] Coolant through (direct connect compatible)



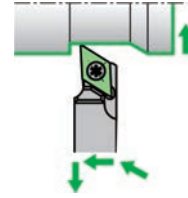
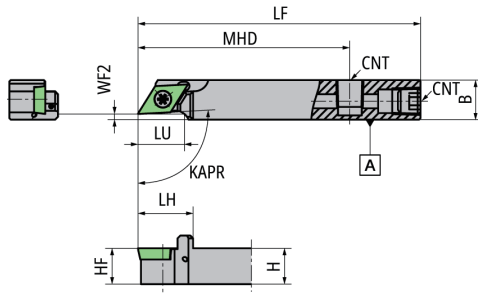
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	CNT	CNT2	H mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	MHD2 mm	WF2 mm	Insert Gage		
5034871	SDJCR1214H11N-F02OH2	●	●	R	14	Rc1/8	M5	12	12	93	100	19.5	16	70	80	2	DC..11T3..	DC..11T3..WP(TFD11..)
5044029	SDJCR1616X11N-F02OH2	●	●	R	16	Rc1/8	M5	16	16	93	120	19.5	18.4	70	100	2	DC..11T3..	DC..11T3..WP(TFD11..)

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Screw (for CNT2)	Wrench (for Clamp screw)	Wrench (for CNT2)
SDJCR1214H11N-F02OH2	LRIS-4*10	SPR1/8	SS0505SC	LLR-25S	LW-2.5
SDJCR1616X11N-F02OH2	LRIS-4*10	SPNPT1/8L	SS0505SC	LLR-25S	LW-2.5

SDJC-N-OH [93 °] Coolant through



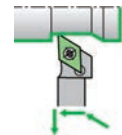
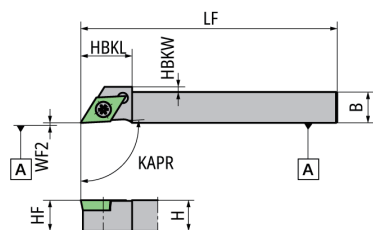
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	CNT	H mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	WF2 mm	Insert Gage
5903208	SDJCR1014F11N-F02OH	●	R	14	M6*1	10	10	93	80	19.5	16	55	2	DC..11T3.. DC..11T3..WP(TFD11..)
5886254	SDJCR1214H11N-F02OH	●	R	14	Rc1/8	12	12	93	100	19.5	16	75	2	DC..11T3.. DC..11T3..WP(TFD11..)
5903216	SDJCR1616H11N-F02OH	●	R	16	Rc1/8	16	16	93	100	19.5	18.4	75	2	DC..11T3.. DC..11T3..WP(TFD11..)

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Wrench (for Clamp screw)	Wrench (for CNT2)
SDJCR1014F11N-F02OH	LRIS-4*10	SS0605SC	LLR-25S	LW-3
SDJCR1214H11N-F02OH	LRIS-4*10	SPR1/8	LLR-25S	-
SDJCR1616H11N-F02OH	LRIS-4*10	SPR1/8	LLR-25S	-

SDJC-N [93°]



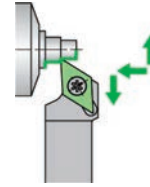
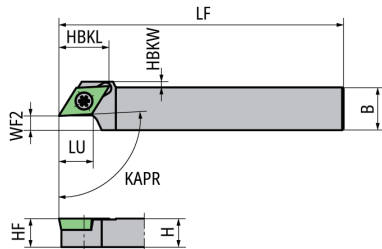
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HBKL mm	HBKW mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage	
5137047	SDJCR0808X07N	●	R	8	8	-	-	8	93	120	0	DC..0702..	DC..0702..WP(TFD07..)
5502125	SDJCR1010GX07N	●	R	10	10	-	-	10	93	85	0	DC..0702..	DC..0702..WP(TFD07..)
5873880	SDJCR1010H11N	●	R	10	10	19	2	10	93	100	0	DC..11T3..	DC..11T3..WP(TFD11..)
5120464	SDJCR1010X07N	●	R	10	10	-	-	10	93	120	0	DC..0702..	DC..0702..WP(TFD07..)
5152863	SDJCR1010X11N	●	R	10	10	19	2	10	93	120	0	DC..11T3..	DC..11T3..WP(TFD11..)
5459813	SDJCR1212GX11N	●	R	12	12	-	-	12	93	85	0	DC..11T3..	DC..11T3..WP(TFD11..)
5463070	SDJCR1212X07N	●	R	12	12	-	-	12	93	120	0	DC..0702..	DC..0702..WP(TFD07..)
5122163	SDJCR1212X11N	●	R	12	12	-	-	12	93	120	0	DC..11T3..	DC..11T3..WP(TFD11..)
5593215	SDJCR1216GX11N	●	R	16	12	-	-	12	93	85	0	DC..11T3..	DC..11T3..WP(TFD11..)
5180583	SDJCR1616X11N	●	R	16	16	-	-	16	93	120	0	DC..11T3..	DC..11T3..WP(TFD11..)
5137864	SDJCL0808X07N	●	L	8	8	-	-	8	93	120	0	DC..0702..	DC..0702..WP(TFD07..)
5137856	SDJCL1010X07N	●	L	10	10	-	-	10	93	120	0	DC..0702..	DC..0702..WP(TFD07..)
5153234	SDJCL1010X11N	●	L	10	10	19	2	10	93	120	0	DC..11T3..	DC..11T3..WP(TFD11..)
5473681	SDJCL1212GX11N	●	L	12	12	-	-	12	93	85	0	DC..11T3..	DC..11T3..WP(TFD11..)
5137849	SDJCL1212X11N	●	L	12	12	-	-	12	93	120	0	DC..11T3..	DC..11T3..WP(TFD11..)
5180609	SDJCL1616X11N	●	L	16	16	-	-	16	93	120	0	DC..11T3..	DC..11T3..WP(TFD11..)

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SDJCR0808X07N	LRIS-2.5*7	CLR-15S
SDJCR1010GX07N	LRIS-2.5*7	CLR-15S
SDJCR1010H11N	LRIS-4*10	LLR-25S
SDJCR1010X07N	LRIS-2.5*7	CLR-15S
SDJCR1010X11N	LRIS-4*10	LLR-25S
SDJCR1212GX11N	LRIS-4*10	LLR-25S
SDJCR1212X07N	LRIS-2.5*7	CLR-15S
SDJCR1212X11N	LRIS-4*10	LLR-25S
SDJCR1216GX11N	LRIS-4*10	LLR-25S
SDJCR1616X11N	LRIS-4*10	LLR-25S
SDJCL0808X07N	LRIS-2.5*7	CLR-15S
SDJCL1010X07N	LRIS-2.5*7	CLR-15S
SDJCL1010X11N	LRIS-4*10	LLR-25S
SDJCL1212GX11N	LRIS-4*10	LLR-25S
SDJCL1212X11N	LRIS-4*10	LLR-25S
SDJCL1616X11N	LRIS-4*10	LLR-25S

SDJC-N-F [93°] Shifted



● Diagram shows right-hand tool

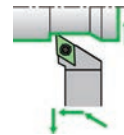
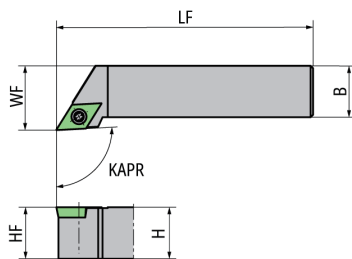
EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	LU mm	WF2 mm	Insert Gage	
5700588	SDJCR1015X07N-F05	●	R	15	10	10	93	120	12	5	DC..0702..	DC..0702..WP(TFD07..)
5700547	SDJCR1015X11N-F05	●	R	15	10	10	93	120	12	5	DC..11T3..	DC..11T3..WP(TFD11..)
5700562	SDJCR1020X07N-F10	●	R	20	10	10	93	120	12	10	DC..0702..	DC..0702..WP(TFD07..)
5700521	SDJCR1020X11N-F10	●	R	20	10	10	93	120	12	10	DC..11T3..	DC..11T3..WP(TFD11..)
5700505	SDJCR1218X11N-F06	●	R	18	12	12	93	120	12	6	DC..11T3..	DC..11T3..WP(TFD11..)
5700471	SDJCR1224X11N-F12	●	R	24	12	12	93	120	12	12	DC..11T3..	DC..11T3..WP(TFD11..)
5974456	SDJCR1620X11N-F08	●	R	20	16	16	93	120	18.5	8	DC..11T3..	DC..11T3..WP(TFD11..)
5974464	SDJCR1628X11N-F16	●	R	28	16	16	93	120	18.5	16	DC..11T3..	DC..11T3..WP(TFD11..)

Front Turning

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SDJCR1015X07N-F05	LRIS-2.5*7	CLR-15S
SDJCR1015X11N-F05	LRIS-4*10	LLR-25S
SDJCR1020X07N-F10	LRIS-2.5*7	CLR-15S
SDJCR1020X11N-F10	LRIS-4*10	LLR-25S
SDJCR1218X11N-F06	LRIS-4*10	LLR-25S
SDJCR1224X11N-F12	LRIS-4*10	LLR-25S
SDJCR1620X11N-F08	LRIS-4*10	LLR-25S
SDJCR1628X11N-F16	LRIS-4*10	LLR-25S

SDJC [93°]



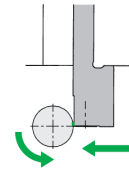
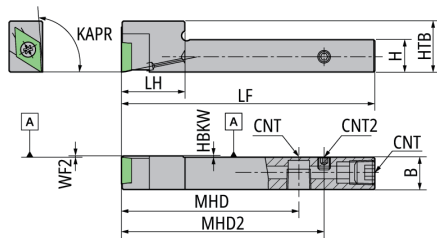
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF mm	Insert Gage	
5744743	SDJCR20-X11	●	R	20	20	20	93	120	25	DC..11T3..	DC..11T3..WP(TFD11..)
5852793	SDJCL20-X11	●	L	20	20	20	93	120	25	DC..11T3..	DC..11T3..WP(TFD11..)

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SDJCR20-X11	LRIS-4*10	LLR-25S
SDJCL20-X11	LRIS-4*10	LLR-25S

Y-SDJC-N-OH2 [93 °] Y-axis Coolant through (direct connect compatible)



● Diagram shows right-hand tool

NOTE: Use a right-handed (R) or non-handed insert.

NOTE: There is a risk of interference with the Y-axis holder depending on the combination of the maximum workpiece diameter and machining diameter.

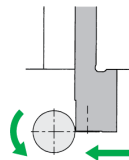
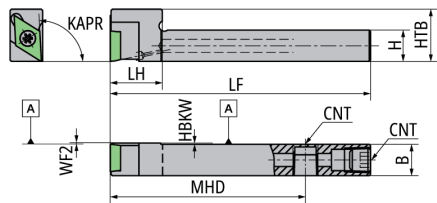
→O26

EDP	Item Number	Stock	Hand	B mm	CNT	CNT2	H mm	HBKW mm	HTB mm	KAPR °	LF mm	LH mm	MHD mm	MHD2 mm	WF2 mm	Insert Gage
5035209	Y-SDJCR1212H11S-OH2	●	R	12	Rc1/8	M5	12	0.5	20	93	100	20	70	80	0	DC..11T3.. DC..11T3..WP(TFD11..)

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Screw (for CNT2)	Wrench (for Clamp screw)	Wrench (for CNT2)
Y-SDJCR1212H11S-OH2	LRIS-4*10	SPR1/8	SS0505SC	LLR-25S-20*65	LW-2.5

Y-SDJC-N-OH [93 °] Y-axis Coolant through



● Diagram shows right-hand tool

NOTE: Use a right-handed (R) or non-handed insert.

NOTE: There is a risk of interference with the Y-axis holder depending on the combination of the maximum workpiece diameter and machining diameter.

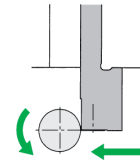
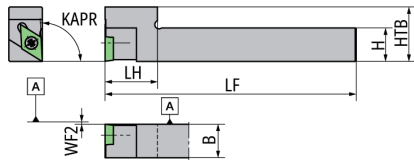
→O26

EDP	Item Number	Stock	Hand	B mm	CNT	H mm	HBKW mm	HTB mm	KAPR °	LF mm	LH mm	MHD mm	WF2 mm	Insert Gage
5910575	Y-SDJCR1212H11S-OH	●	R	12	Rc1/8	12	0.5	20	93	100	20	75	0	DC..11T3.. DC..11T3..WP(TFD11..)
5910583	Y-SDJCR1616H11-OH	●	R	16	Rc1/8	16	0.5	20	93	100	25	75	0	DC..11T3.. DC..11T3..WP(TFD11..)

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Wrench (for Clamp screw)
Y-SDJCR1212H11S-OH	LRIS-4*10	SPR1/8	LLR-25S-20*65
Y-SDJCR1616H11-OH	LRIS-4*10	SPR1/8	LLR-25S-20*65

Y-SDJC [93°] Y-axis



● Diagram shows right-hand tool

NOTE: Use a right-handed (R) or non-handed insert.

NOTE: There is a risk of interference with the Y-axis holder depending on the combination of the maximum workpiece diameter and machining diameter.

→O26

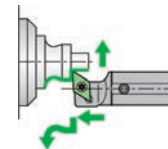
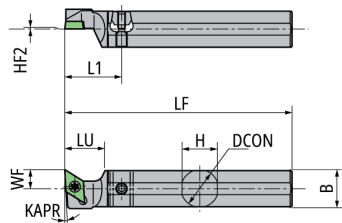
EDP	Item Number	Stock	Hand	B mm	H mm	HTB mm	KAPR °	LF mm	LH mm	WF2 mm	Insert Gage	
5371646	Y-SDJCR10-07S	●	R	10	10	20	93	120	20	0	DC..0702..	DC..0702..WP(TFD07..)
5950431	Y-SDJCR10-11MS	●	R	10	10	20	93	120	22	0	DC..11T3..	DC..11T3..WP(TFD11..)
5926001	Y-SDJCR10-11S	●	R	10	10	20	93	120	20	0	DC..11T3..	DC..11T3..WP(TFD11..)
5371661	Y-SDJCR12-07S	●	R	12	12	20	93	120	20	0	DC..0702..	DC..0702..WP(TFD07..)
5950423	Y-SDJCR12-11MS	●	R	12	12	20	93	120	22	0	DC..11T3..	DC..11T3..WP(TFD11..)
5600671	Y-SDJCR12-11S	●	R	12	12	20	93	120	20	0	DC..11T3..	DC..11T3..WP(TFD11..)
5890025	Y-SDJCR16-11S	●	R	16	16	20	93	120	20	0	DC..11T3..	DC..11T3..WP(TFD11..)

Front Turning

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
Y-SDJCR10-07S	LRIS-2.5*7	CLR-15S
Y-SDJCR10-11MS	LRIS-4*10	LLR-25S-20*65
Y-SDJCR10-11S	LRIS-4*10	LLR-25S-20*65
Y-SDJCR12-07S	LRIS-2.5*7	CLR-15S
Y-SDJCR12-11MS	LRIS-4*10	LLR-25S-20*65
Y-SDJCR12-11S	LRIS-4*10	LLR-25S-20*65
Y-SDJCR16-11S	LRIS-4*10	LLR-25S-20*65

DS-SDU-ACH [93°] Adjustable centerline height



● Diagram shows left-hand tool

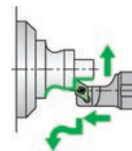
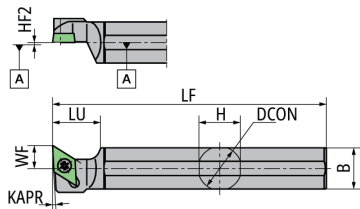
NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	DCON mm	H mm	HF2 mm	KAPR °	LF mm	LU mm	L1 mm	WF mm	Insert Gage	
5805635	DS-SDUL16F-11-ACH	●	L	15	16	15.5	Type B(0~+0.3)	3	80	17	30	10	DC..11T3..	DC..11T3..WP(TFD11..)
5805627	DS-SDUL19-11-ACH	●	L	18	19.05	18	Type A(0~+0.2)	3	120	20	30	10	DC..11T3..	DC..11T3..WP(TFD11..)
5799614	DS-SDUL20-11-ACH	●	L	19	20	19	Type B(0~+0.3)	3	120	20	30	10	DC..11T3..	DC..11T3..WP(TFD11..)
5799622	DS-SDUL22-11-ACH	●	L	21	22	21	Type B(0~+0.3)	3	120	20	30	10	DC..11T3..	DC..11T3..WP(TFD11..)
5799648	DS-SDUL25-11-ACH	●	L	24	25.4	24	Type A(0~+0.2)	3	150	20	30	10	DC..11T3..	DC..11T3..WP(TFD11..)
5934021	DS-SDUL25-11MET-ACH	●	L	24	25	24	Type A(0~+0.2)	3	150	20	30	10	DC..11T3..	DC..11T3..WP(TFD11..)

Spare Parts

Item Number	Clamp screw	Screw (for Wedge)	Wedge	Wrench (for Clamp screw)	Wrench (for Wedge)
DS-SDUL16F-11-ACH	LRIS-4*10	WS060415-003	ACH-W18	LLR-25S-20*65	LW-3
DS-SDUL19-11-ACH	LRIS-4*10	WS060415-003	ACH-W18	LLR-25S-20*65	LW-3
DS-SDUL20-11-ACH	LRIS-4*10	WS060419-004	ACH-W18	LLR-25S-20*65	LW-3
DS-SDUL22-11-ACH	LRIS-4*10	WS060419-004	ACH-W18	LLR-25S-20*65	LW-3
DS-SDUL25-11-ACH	LRIS-4*10	WS060419-004	ACH-W24	LLR-25S-20*65	LW-3
DS-SDUL25-11MET-ACH	LRIS-4*10	WS060419-004	ACH-W24	LLR-25S-20*65	LW-3

DS-SDU [93°] DS Toolholders



● Diagram shows left-hand tool

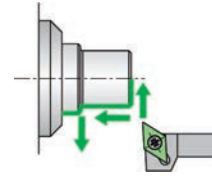
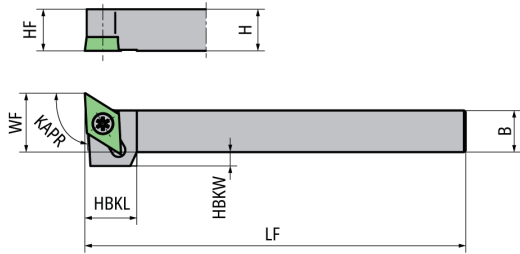
NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	DCON mm	H mm	HF2 mm	KAPR °	LF mm	LU mm	WF mm	Insert Gage	
5348545	DS-SDUL14F-07	●	L	13	14	13	0	3	80	20	6	DC..0702..	DC..0702..WP(TFD07..)
5601745	DS-SDUL14F-11	●	L	13	14	13	0	3	80	20	10	DC..11T3..	DC..11T3..WP(TFD11..)
5348107	DS-SDUL15H-07	●	L	15	15.875	15	0	3	100	20	6	DC..0702..	DC..0702..WP(TFD07..)
5520598	DS-SDUL16F-07	●	L	15	16	15	0	3	80	20	6	DC..0702..	DC..0702..WP(TFD07..)
5601737	DS-SDUL16F-11	●	L	15	16	15	0	3	80	20	10	DC..11T3..	DC..11T3..WP(TFD11..)
5341516	DS-SDUL16X-07	●	L	15	16	15	0	3	95	20	6	DC..0702..	DC..0702..WP(TFD07..)
5278247	DS-SDUL19-07	●	L	18	19.05	18	0	3	120	20	6	DC..0702..	DC..0702..WP(TFD07..)
5278262	DS-SDUL19-11	●	L	18	19.05	18	0	3	120	20	10	DC..11T3..	DC..11T3..WP(TFD11..)
5572730	DS-SDUL19-11SPL	●	L	18	19.05	18	0	3	160	20	11	DC..11T3..	DC..11T3..WP(TFD11..)
5278239	DS-SDUL20-07	●	L	19	20	19	0	3	120	20	6	DC..0702..	DC..0702..WP(TFD07..)
5278254	DS-SDUL20-11	●	L	19	20	19	0	3	120	20	10	DC..11T3..	DC..11T3..WP(TFD11..)
5520606	DS-SDUL20X-07	●	L	19	20	19	0	3	95	20	6	DC..0702..	DC..0702..WP(TFD07..)
5520614	DS-SDUL20X-11	●	L	19	20	19	0	3	95	20	10	DC..11T3..	DC..11T3..WP(TFD11..)
5330758	DS-SDUL22-07	●	L	21	22	21	0	3	120	20	6	DC..0702..	DC..0702..WP(TFD07..)
5324025	DS-SDUL22-11	●	L	21	22	21	0	3	120	20	10	DC..11T3..	DC..11T3..WP(TFD11..)
5638606	DS-SDUL23-11-007	●	L	22	23	22	0	3	70	20	10	DC..11T3..	DC..11T3..WP(TFD11..)
5317136	DS-SDUL25-11	●	L	24	25.4	24	0	3	150	20	10	DC..11T3..	DC..11T3..WP(TFD11..)
5483417	DS-SDUL25-11MET	●	L	24	25	24	0	3	120	20	10	DC..11T3..	DC..11T3..WP(TFD11..)
5713581	DS-SDUL25-11SPL	●	L	24	25.4	24	0	3	150	20	12.5	DC..11T3..	DC..11T3..WP(TFD11..)

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
DS-SDUL14F-07	LRIS-2.5*7	CLR-15S
DS-SDUL14F-11	LRIS-4*10	LLR-25S-20*65
DS-SDUL15H-07	LRIS-2.5*7	CLR-15S
DS-SDUL16F-07	LRIS-2.5*7	CLR-15S
DS-SDUL16F-11	LRIS-4*10	LLR-25S-20*65
DS-SDUL16X-07	LRIS-2.5*7	CLR-15S
DS-SDUL19-07	LRIS-2.5*7	CLR-15S
DS-SDUL19-11	LRIS-4*10	LLR-25S-20*65
DS-SDUL19-11SPL	LRIS-4*10	LLR-25S-20*65
DS-SDUL20-07	LRIS-2.5*7	CLR-15S
DS-SDUL20-11	LRIS-4*10	LLR-25S-20*65
DS-SDUL20X-07	LRIS-2.5*7	CLR-15S
DS-SDUL20X-11	LRIS-4*10	LLR-25S-20*65
DS-SDUL22-07	LRIS-2.5*7	CLR-15S
DS-SDUL22-11	LRIS-4*10	LLR-25S-20*65
DS-SDUL23-11-007	LRIS-4*10	LLR-25S-20*65
DS-SDUL25-11	LRIS-4*10	LLR-25S-20*65
DS-SDUL25-11MET	LRIS-4*10	LLR-25S-20*65
DS-SDUL25-11SPL	LRIS-4*10	LLR-25S-20*65

CH-SDUC [93°] for horizontal gang style tool post



● Diagram shows left-hand tool

NOTE: Use a right-handed (R) or non-handed insert.

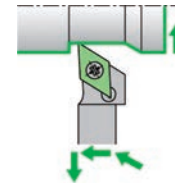
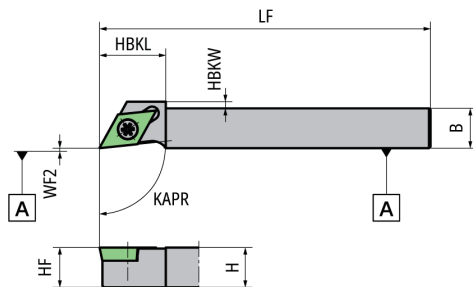
EDP	Item Number	Stock	Hand	B mm	H mm	HBKL mm	HBKW mm	HF mm	KAPR °	LF mm	WF mm	Insert Gage	
5659222	CH-SDUCL1010H11	●	L	10	10	15	6	10	93	100	15	DC..11T3..	DC..11T3..WP(TFD11..)
5659230	CH-SDUCL1212H11	●	L	12	12	15	4	12	93	100	17	DC..11T3..	DC..11T3..WP(TFD11..)
5004148	CH-SDUCL1616H11	●	L	16	16	-	-	16	93	100	21	DC..11T3..	DC..11T3..WP(TFD11..)
5939616	CH-SDUCL2020H11	●	L	20	20	-	-	20	93	100	25	DC..11T3..	DC..11T3..WP(TFD11..)

Front Turning

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
CH-SDUCL1010H11	LRIS-4*12PW	CLR-15S
CH-SDUCL1212H11	LRIS-4*12PW	CLR-15S
CH-SDUCL1616H11	LRIS-4*12PW	CLR-15S
CH-SDUCL2020H11	LRIS-4*12PW	CLR-15S

SDXC-N [96°]



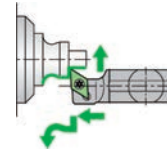
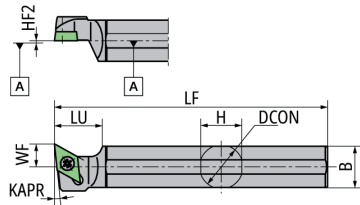
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HBKL mm	HBKW mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5525449	SDXCR1010X11N	●	R	10	10	20	3	10	96	120	0	DC..11T3..
5553169	SDXCR1016X11N	●	R	16	10	-	-	10	96	120	0	DC..11T3..
5525456	SDXCR1212X11N	●	R	12	12	20	1	12	96	120	0	DC..11T3..
5553177	SDXCR1216X11N	●	R	16	12	-	-	12	96	120	0	DC..11T3..
5525464	SDXCR1616X11N	●	R	16	16	-	-	16	96	120	0	DC..11T3..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SDXCR1010X11N	LRIS-4*10	LLR-25S
SDXCR1016X11N	LRIS-4*10	LLR-25S
SDXCR1212X11N	LRIS-4*10	LLR-25S
SDXCR1216X11N	LRIS-4*10	LLR-25S
SDXCR1616X11N	LRIS-4*10	LLR-25S

DS-SDX [96°] DS Toolholders



● Diagram shows left-hand tool

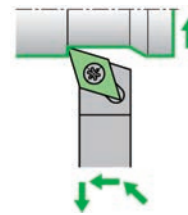
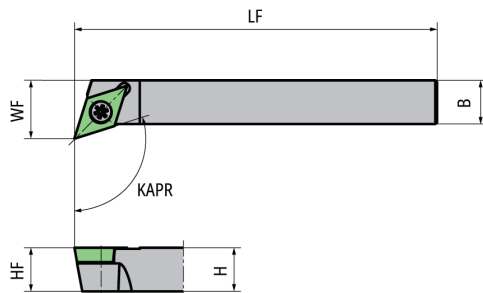
NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	DCON mm	H mm	HF2 mm	KAPR °	LF mm	LU mm	WF mm	Insert Gage
5462429	DS-SDXL19-11	●	L	18	19.05	18	0	6	120	20	10	DC..11T3..
5462437	DS-SDXL20-11	●	L	19	20	19	0	6	120	20	10	DC..11T3..
5520622	DS-SDXL20X-11	●	L	19	20	19	0	6	95	20	10	DC..11T3..
5520697	DS-SDXL25-11MET	●	L	24	25	24	0	6	120	20	10	DC..11T3..
5939335	DS-SDXL32-11	●	L	30	32	30	0	6	150	20	10	DC..11T3..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
DS-SDXL19-11	LRIS-4*10	LLR-25S
DS-SDXL20-11	LRIS-4*10	LLR-25S
DS-SDXL20X-11	LRIS-4*10	LLR-25S
DS-SDXL25-11MET	LRIS-4*10	LLR-25S
DS-SDXL32-11	LRIS-4*10	LLR-25S

SDQC [107.5°]



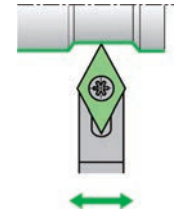
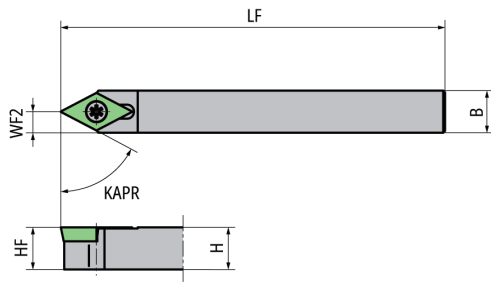
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF mm	Insert Gage
5743711	SDQCR10-X07	●	R	10	10	10	107.5	120	12	DC..0702..
5743729	SDQCR12-X11	●	R	12	12	12	107.5	120	16	DC..11T3..
5743737	SDQCR16-X11	●	R	16	16	16	107.5	120	20	DC..11T3..
5743745	SDQCR20-X11	●	R	20	20	20	107.5	120	25	DC..11T3..
5743752	SDQCL10-X07	●	L	10	10	10	107.5	120	12	DC..0702..
5743760	SDQCL12-X11	●	L	12	12	12	107.5	120	16	DC..11T3..
5747332	SDQCL16-X11	●	L	16	16	16	107.5	120	20	DC..11T3..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SDQCR10-X07	LRIS-2.5*7	CLR-15S
SDQCR12-X11	LRIS-4*10	LLR-25S
SDQCR16-X11	LRIS-4*10	LLR-25S
SDQCR20-X11	LRIS-4*10	LLR-25S
SDQCL10-X07	LRIS-2.5*7	CLR-15S
SDQCL12-X11	LRIS-4*10	LLR-25S
SDQCL16-X11	LRIS-4*10	LLR-25S

SDNC [62.5°]



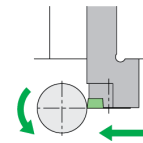
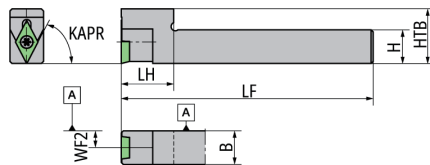
EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5742184	SDNCN08-X07	●	N	8	8	8	62.5	120	4	DC..0702..
5742192	SDNCN10-X07	●	N	10	10	10	62.5	120	5	DC..0702..
5742200	SDNCN12-X11	●	N	12	12	12	62.5	120	6	DC..11T3..
5742218	SDNCN16-X11	●	N	16	16	16	62.5	120	8	DC..11T3..
5742226	SDNCN20-X11	●	N	20	20	20	62.5	120	10	DC..11T3..

Front Turning

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SDNCN08-X07	LRIS-2.5*7	CLR-15S
SDNCN10-X07	LRIS-2.5*7	CLR-15S
SDNCN12-X11	LRIS-4*10	LLR-25S
SDNCN16-X11	LRIS-4*10	LLR-25S
SDNCN20-X11	LRIS-4*10	LLR-25S

Y-SDNC [62.5°] Y-axis



NOTE: There is a risk of interference with the Y-axis holder depending on the combination of the maximum workpiece diameter and machining diameter.
→O26

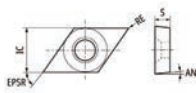
EDP	Item Number	Stock	Hand	B mm	H mm	HTB mm	KAPR °	LF mm	LH mm	WF2 mm	Insert Gage
5479191	Y-SDNCN12-11S	●	N	12	12	21	62.5	120	20	6	DC..11T3..
5485875	Y-SDNCN16-11S	●	N	16	16	21	62.5	120	20	8	DC..11T3..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
Y-SDNCN12-11S	LRIS-4*10	LLR-25S-20*65
Y-SDNCN16-11S	LRIS-4*10	LLR-25S-20*65

DC.. series/Inserts Carbide

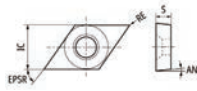
DC..



Steel	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Stainless Steel	●	○	○	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	
Cast Iron																					●	
Non-Ferrous Material														○		○						●
Heat Resistant Alloy																						●
Hardened Material														○	○	○						
Others (non-metallic)																						●

Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide													Uncoated					
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD		PVD	PVD	PVD	PVD	PVD
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1									
	DCGT11T301MRTMV	Up-sharp edge	55	9.525	3.97	7	0.08	-	●	●				●													
	DCGT11T301MRTMV2	Up-sharp edge	55	9.525	3.97	7	0.08	-	●	●				●													
	DCGT11T302MRTMV	Up-sharp edge	55	9.525	3.97	7	0.18	-	●	●				●													
	DCGT11T302MRTMV2	Up-sharp edge	55	9.525	3.97	7	0.18	-	●	●				●													
	DCGT11T304MRTMV	Up-sharp edge	55	9.525	3.97	7	0.38	-	●	●				●													
	DCGT11T304MRTMV2	Up-sharp edge	55	9.525	3.97	7	0.38	-	●	●				●													
	DCGT070201MYL	Up-sharp edge	55	6.35	2.38	7	0.08	-		●			●														
	DCGT070202MYL	Up-sharp edge	55	6.35	2.38	7	0.18	-		●			●														
	DCGT070204MYL	Up-sharp edge	55	6.35	2.38	7	0.38	-		■			■														
	DCGT11T300YL	Up-sharp edge	55	9.525	3.97	7	0.03	-					●		●												
	DCGT11T301MYL	Up-sharp edge	55	9.525	3.97	7	0.08	-		●	●	●	●	●													
	DCGT11T302MYL	Up-sharp edge	55	9.525	3.97	7	0.18	-		●	●	●	●	●													
	DCGT11T304MYL	Up-sharp edge	55	9.525	3.97	7	0.38	-		●	●	●	●	●													
	DCGT11T308MYL	Up-sharp edge	55	9.525	3.97	7	0.78	-		●	●	●	●	●													
	DCGT070201MCL	Up-sharp edge	55	6.35	2.38	7	0.08	-	●	●	●	●	●														
	DCGT070202MCL	Up-sharp edge	55	6.35	2.38	7	0.18	-	●	●	●	●	●														
	DCGT070204MCL	Up-sharp edge	55	6.35	2.38	7	0.38	-	●	●	●	●	●														
	DCGT11T301MCL	Up-sharp edge	55	9.525	3.97	7	0.08	-	●	●	●	●	●														
	DCGT11T302MCL	Up-sharp edge	55	9.525	3.97	7	0.18	-	●	●	●	●	●														
	DCGT11T304MCL	Up-sharp edge	55	9.525	3.97	7	0.38	-	●	●	●	●	●														
	DCGT11T308MCL	Up-sharp edge	55	9.525	3.97	7	0.78	-	●	●	●	●	●														
	DCGT070201FNAM3	Up-sharp edge	55	6.35	2.38	7	0.1	-																			
	DCGT070202FNAM3	Up-sharp edge	55	6.35	2.38	7	0.2	-																			
	DCGT070204FNAM3	Up-sharp edge	55	6.35	2.38	7	0.4	-																			
	DCGT070200FNAM3	Up-sharp edge	55	6.35	2.38	7	0.03	-					●		●		●		●								
	DCGT070201MFNAM3	Up-sharp edge	55	6.35	2.38	7	0.08	-	●				●		●												
	DCGT070202MFNAM3	Up-sharp edge	55	6.35	2.38	7	0.18	-	●				●		●												
	DCGT070204MFNAM3	Up-sharp edge	55	6.35	2.38	7	0.38	-	●				●		●												
	DCGT11T300FNAM3	Up-sharp edge	55	9.525	3.97	7	0.03	-					●		●		●		●								
	DCGT11T301MFNAM3	Up-sharp edge	55	9.525	3.97	7	0.08	-	●				●		●		●		●								
	DCGT11T302FNAM3	Up-sharp edge	55	9.525	3.97	7	0.2	-					●		●		●		●								
	DCGT11T302MFNAM3	Up-sharp edge	55	9.525	3.97	7	0.18	-	●				●		●		●		●								
	DCGT11T304FNAM3	Up-sharp edge	55	9.525	3.97	7	0.4	-					●		●		●		●								
	DCGT11T304MFNAM3	Up-sharp edge	55	9.525	3.97	7	0.38	-	●				●		●		●		●								
	DCMT070202FNAM3	Up-sharp edge	55	6.35	2.38	7	0.2	-					●														
	DCMT070204FNAM3	Up-sharp edge	55	6.35	2.38	7	0.4	-					●														
	DCMT11T302FNAM3	Up-sharp edge	55	9.525	3.97	7	0.2	-					●														
	DCMT11T304FNAM3	Up-sharp edge	55	9.525	3.97	7	0.4	-					●														
	DCMT11T308FNAM3	Up-sharp edge	55	9.525	3.97	7	0.8	-					●														
		DCGT070201MAMX	Up-sharp edge	55	6.35	2.38	7	0.08	-	●	●			●													
		DCGT070202MAMX	Up-sharp edge	55	6.35	2.38	7	0.18	-		●	●			●												
DCGT070204MAMX		Up-sharp edge	55	6.35	2.38	7	0.38	-		●	●			●													
DCGT11T301MAMX		Up-sharp edge	55	9.525	3.97	7	0.08	-		●	●			●													
DCGT11T302MAMX		Up-sharp edge	55	9.525	3.97	7	0.18	-		●	●			●													
DCGT11T304MAMX		Up-sharp edge	55	9.525	3.97	7	0.38	-		●	●			●													
	DCGT070200AZ7	Up-sharp edge	55	6.35	2.38	7	0.03	-					●														
	DCGT070201MAZ7	Up-sharp edge	55	6.35	2.38	7	0.08	-					●														
	DCGT070202MAZ7	Up-sharp edge	55	6.35	2.38	7	0.18	-					●														
	DCGT11T300AZ7	Up-sharp edge	55	9.525	3.97	7	0.03	-					●		●		●										
	DCGT11T301MAZ7	Up-sharp edge	55	9.525	3.97	7	0.08	-					●		●		●										
	DCGT11T302MAZ7	Up-sharp edge	55	9.525	3.97	7	0.18	-					●		●		●										
	DCGT11T304MAZ7	Up-sharp edge	55	9.525	3.97	7	0.38	-					●		●		●										
	DCGT11T308AZ7	Up-sharp edge	55	9.525	3.97	7	0.8	-					●		●		●										
	DCMT11T304E004AZ8	E004	55	9.525	3.97	7	0.4	-															●				
	DCMT11T308E004AZ8	E004	55	9.525	3.97	7	0.8	-															●				

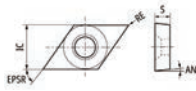
Front Turning



Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron									●
Non-Ferrous Material						○	○		●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	BS mm	Carbide											Uncoated	
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD	CVD	CVD		
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1			
	DCGT070200RS	Up-sharp edge	55	6.35	2.38	7	0.03	-			●					●	●				
	DCGT070200LS	Up-sharp edge	55	6.35	2.38	7	0.03	-								●	●				
	DCGT070201MRS	Up-sharp edge	55	6.35	2.38	7	0.08	-			●	●									
	DCGT070201RS	Up-sharp edge	55	6.35	2.38	7	0.1	-								●	●				
	DCGT070201LS	Up-sharp edge	55	6.35	2.38	7	0.1	-								●	●				
	DCGT070202MRS	Up-sharp edge	55	6.35	2.38	7	0.18	-			●	●									
	DCGT070202RS	Up-sharp edge	55	6.35	2.38	7	0.2	-								●	●				
	DCGT070202LS	Up-sharp edge	55	6.35	2.38	7	0.2	-								●	●				
	DCGT070204RS	Up-sharp edge	55	6.35	2.38	7	0.4	-								●					
	DCGT11T300RS	Up-sharp edge	55	9.525	3.97	7	0.03	-			●			●	●	●	●				
	DCGT11T300LS	Up-sharp edge	55	9.525	3.97	7	0.03	-								●					
	DCGT11T301MRS	Up-sharp edge	55	9.525	3.97	7	0.08	-			●	●	●								
	DCGT11T301RS	Up-sharp edge	55	9.525	3.97	7	0.1	-				●				●	●				
	DCGT11T301LS	Up-sharp edge	55	9.525	3.97	7	0.1	-								●					
	DCGT11T302MRS	Up-sharp edge	55	9.525	3.97	7	0.18	-			●	●	●								
	DCGT11T302RS	Up-sharp edge	55	9.525	3.97	7	0.2	-				●				●	●				
DCGT11T302LS	Up-sharp edge	55	9.525	3.97	7	0.2	-								●						
DCGT11T304MRS	Up-sharp edge	55	9.525	3.97	7	0.38	-			●	●	●									
DCGT11T304RS	Up-sharp edge	55	9.525	3.97	7	0.4	-				●										
	DCGT070200RU	Up-sharp edge	55	6.35	2.38	7	0.03	-							●	●					
	DCGT070201RU	Up-sharp edge	55	6.35	2.38	7	0.1	-							●	●					
	DCGT070202RU	Up-sharp edge	55	6.35	2.38	7	0.2	-							●	●					
	DCGT070202LU	Up-sharp edge	55	6.35	2.38	7	0.2	-								●					
	DCGT11T300RU1	Up-sharp edge	55	9.525	3.97	7	0.03	-			●			●	●	●					
	DCGT11T300LU1	Up-sharp edge	55	9.525	3.97	7	0.03	-									●				
	DCGT11T301RU1	Up-sharp edge	55	9.525	3.97	7	0.1	-			●			●	●	●					
	DCGT11T301LU1	Up-sharp edge	55	9.525	3.97	7	0.1	-									●				
	DCGT11T302RU1	Up-sharp edge	55	9.525	3.97	7	0.2	-			●			●	●	●					
	DCGT11T302LU1	Up-sharp edge	55	9.525	3.97	7	0.2	-									●				
	DCGT11T304RU1	Up-sharp edge	55	9.525	3.97	7	0.4	-		●			●	●	●						
	DCGT11T304LU1	Up-sharp edge	55	9.525	3.97	7	0.4	-									●				
		DCET0702005RKHG	Up-sharp edge	55	6.35	2.38	7	0.05	-							●					
		DCET0702005LKHG	Up-sharp edge	55	6.35	2.38	7	0.05	-							●					
		DCET0702008RKHG	Up-sharp edge	55	6.35	2.38	7	0.08	-							●					
		DCET0702008LKHG	Up-sharp edge	55	6.35	2.38	7	0.08	-							●					
		DCET0702018RKHG	Up-sharp edge	55	6.35	2.38	7	0.18	-							●					
		DCET0702018LKHG	Up-sharp edge	55	6.35	2.38	7	0.18	-							●					
		DCET070202RKHG	Up-sharp edge	55	6.35	2.38	7	0.2	-							●					
		DCET070202LKHG	Up-sharp edge	55	6.35	2.38	7	0.2	-			●				●					
DCET11T3005RKHG		Up-sharp edge	55	9.525	3.97	7	0.05	-						●	●	●					
DCET11T3005LKHG		Up-sharp edge	55	9.525	3.97	7	0.05	-							●	●	●				
	DCET11T3008RKHG	Up-sharp edge	55	9.525	3.97	7	0.08	-						●	●	●					
	DCET11T3008LKHG	Up-sharp edge	55	9.525	3.97	7	0.08	-							●	●	●				
	DCET11T3018RKHG	Up-sharp edge	55	9.525	3.97	7	0.18	-						●	●	●					
	DCET11T3018LKHG	Up-sharp edge	55	9.525	3.97	7	0.18	-							●	●	●				
	DCET11T302RKHG	Up-sharp edge	55	9.525	3.97	7	0.2	-						●	●	●					
	DCET11T302LKHG	Up-sharp edge	55	9.525	3.97	7	0.2	-							●	●	●				
		DCET0702008RUHG	Up-sharp edge	55	6.35	2.38	7	0.08	-							●					
		DCET11T3008RUHG	Up-sharp edge	55	9.525	3.97	7	0.08	-							●					
		DCET11T301MRAT	Up-sharp edge	55	9.525	3.97	7	0.08	-						●						
		DCET11T302MRAT	Up-sharp edge	55	9.525	3.97	7	0.18	-						●						
	DCGT11T3005AM3-WP	Up-sharp edge	55	9.525	3.97	7	0.05	(0.3)		●	●	●									
	DCGT11T3015AM3-WP	Up-sharp edge	55	9.525	3.97	7	0.15	(0.3)		●	●	●									
	DCGT0702005RS-WP	Up-sharp edge	55	6.35	2.38	7	0.05	(0.3)					●		●	●					
	DCGT0702005LS-WP	Up-sharp edge	55	6.35	2.38	7	0.05	(0.3)									●				
	DCGT0702015RS-WP	Up-sharp edge	55	6.35	2.38	7	0.15	(0.3)					●				●				
	DCGT0702015LS-WP	Up-sharp edge	55	6.35	2.38	7	0.15	(0.3)									●				
	DCGT11T3005RS-WP	Up-sharp edge	55	9.525	3.97	7	0.05	(0.3)					●		●	●					
	DCGT11T3015RS-WP	Up-sharp edge	55	9.525	3.97	7	0.15	(0.3)					●			●					

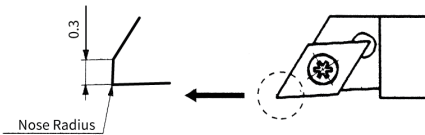
Front Turning



Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron									●
Non-Ferrous Material						○	○		●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide														
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	Uncoated			
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1					
(ISO)	°	mm	mm	°	mm	mm																	
	DCGT0702005RU-WP	Up-sharp edge	55	6.35	2.38	7	0.05	(0.3)					●		●	●							
	DCGT0702015RU-WP	Up-sharp edge	55	6.35	2.38	7	0.15	(0.3)					●			●							
	DCGT11T3005RU1-WP	Up-sharp edge	55	9.525	3.97	7	0.05	(0.3)					●		●	●							
	DCGT11T3015RU1-WP	Up-sharp edge	55	9.525	3.97	7	0.15	(0.3)					●			●							
	DCGW07020V	Up-sharp edge	55	6.35	2.38	7	0	-							●								
	DCGW070200FN	Up-sharp edge	55	6.35	2.38	7	0.03	-									●						
	DCGW070200H	Up-sharp edge	55	6.35	2.38	7	0.03	-														●	
	DCGW070201FN	Up-sharp edge	55	6.35	2.38	7	0.1	-									●						
	DCGW070201H	Up-sharp edge	55	6.35	2.38	7	0.1	-															●
	DCGW070202H	Up-sharp edge	55	6.35	2.38	7	0.2	-															●
	DCGW11T30V	Up-sharp edge	55	9.525	3.97	7	0	-							●								
	DCGW11T300FN	Up-sharp edge	55	9.525	3.97	7	0.03	-										●					
	DCGW11T300H	Up-sharp edge	55	9.525	3.97	7	0.03	-															●
	DCGW11T301FN	Up-sharp edge	55	9.525	3.97	7	0.1	-										●					
DCGW11T301H	Up-sharp edge	55	9.525	3.97	7	0.1	-															●	
DCGW11T302H	Up-sharp edge	55	9.525	3.97	7	0.2	-															●	
	DCGW0702005RH-WP	Up-sharp edge	55	6.35	2.38	7	0.05	(0.3)															●
	DCGW11T3005RH-WP	Up-sharp edge	55	9.525	3.97	7	0.05	(0.3)															●

Features of DC.T-WP insert



NTK WP style inserts have a wiper facet design.

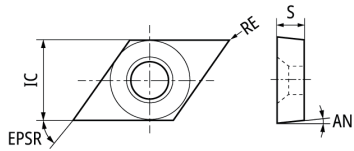
The insert has a 0.3mm flat on the cutting edge when the insert is set into the toolholder.

The flat on the cutting edge ensures a superior surface when feed rates are increased.

WP style inserts can be used in toolholders: SDJC, CH-SDUL and DS-SDUL.

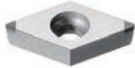
DC.. series/Inserts CBN

DCGW



Steel	
Stainless Steel	
Cast Iron	● ● ● ● ○ ○
Non-Ferrous Material	
Heat Resistant Alloy	
Hardened Material	● ● ● ● ●
Others (non-metallic)	

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D2 mm	Length of edge	No. of edge	S1 mm	CBN										
												B16 PVD	B22	B23	B30	B36	B6K PVD	B40	B52	B5K PVD		
	DCGW070202PDFNX	Up-sharp edge	55	6.35	2.38	7	0.2	-	2.4	2	-											●
	DCGW070202PDS01015	S01015	55	6.35	2.38	7	0.2	-	2.4	2	-											●
	DCGW070202PDS01535	S01535	55	6.35	2.38	7	0.2	-	2.4	2	-											●
	DCGW070204PDFNX	Up-sharp edge	55	6.35	2.38	7	0.4	-	2.2	2	-				●							●
	DCGW070204PDS01015	S01015	55	6.35	2.38	7	0.4	-	2.2	2	-											●
	DCGW070204PDS01535	S01535	55	6.35	2.38	7	0.4	-	2.2	2	-											●
	DCGW070208PDFNX	Up-sharp edge	55	6.35	2.38	7	0.8	-	1.9	2	-											●
	DCGW070208PDS01015	S01015	55	6.35	2.38	7	0.8	-	1.9	2	-											●
	DCGW070208PDS01535	S01535	55	6.35	2.38	7	0.8	-	1.9	2	-											●
	DCGW070208PTS01325	S01325	55	6.35	2.38	7	0.8	-	1.9	2	-											●
	DCGW11T301PDS01015	S01015	55	9.525	3.97	7	0.1	-	2.3	2	-											●
	DCGW11T302PDFNX	Up-sharp edge	55	9.525	3.97	7	0.2	-	2.4	2	-				●							●
	DCGW11T302PDS01015	S01015	55	9.525	3.97	7	0.2	-	2.4	2	-											●
	DCGW11T302PTS01325	S01325	55	9.525	3.97	7	0.2	-	2.4	2	-											●
	DCGW11T302PDS01535	S01535	55	9.525	3.97	7	0.2	-	2.4	2	-											●
	DCGW11T304PDFNX	Up-sharp edge	55	9.525	3.97	7	0.4	-	2.2	2	-				●							●
	DCGW11T304PDS01015	S01015	55	9.525	3.97	7	0.4	-	2.2	2	-											●
	DCGW11T304PDS01535	S01535	55	9.525	3.97	7	0.4	-	2.2	2	-											●
	DCGW11T304PDT01015	T01015	55	9.525	3.97	7	0.4	-	2.2	2	-											●
	DCGW11T304PTS01325	S01325	55	9.525	3.97	7	0.4	-	2.2	2	-											●
	DCGW11T308PDFNX	Up-sharp edge	55	9.525	3.97	7	0.8	-	1.9	2	-											●
	DCGW11T308PDS01015	S01015	55	9.525	3.97	7	0.8	-	1.9	2	-											●
	DCGW11T308PTS01325	S01325	55	9.525	3.97	7	0.8	-	1.9	2	-											●
	DCGW11T308PDS01535	S01535	55	9.525	3.97	7	0.8	-	1.9	2	-											●
	DCGW11T312PDS01015	S01015	55	9.525	3.97	7	1.2	-	2.6	2	-											●

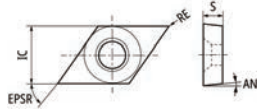


Front Turning



DC.. series/Inserts PCD / Diamond Coating

DCM.



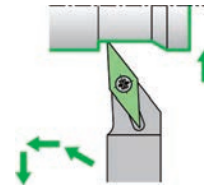
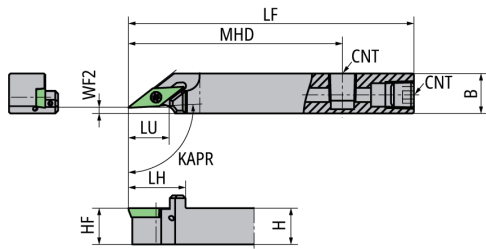
Steel			
Stainless Steel			
Cast Iron			
Non-Ferrous Material	●	●	●
Heat Resistant Alloy			
Hardened Material			
Others (non-metallic)			●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating
									PD1	PD2	UC1
	DCMT070201PBF	Up-sharp edge	55	6.35	2.38	7	0.1	1		●	
	DCMT070202PBF	Up-sharp edge	55	6.35	2.38	7	0.2	1		●	
	DCMT11T301PBF	Up-sharp edge	55	9.525	3.97	7	0.1	1		●	
	DCMT11T302PBF	Up-sharp edge	55	9.525	3.97	7	0.2	1		●	
	DCMT11T304PBF	Up-sharp edge	55	9.525	3.97	7	0.4	1		●	
	DCMT070201PF	Up-sharp edge	55	6.35	2.38	7	0.1	1		●	
	DCMT070202PF	Up-sharp edge	55	6.35	2.38	7	0.2	1		●	
	DCMT11T302PF	Up-sharp edge	55	9.525	3.97	7	0.2	1		●	
	DCMT11T304PF	Up-sharp edge	55	9.525	3.97	7	0.4	1		●	
	DCMW11T301	Up-sharp edge	55	9.525	3.97	7	0.1	1	●		
	DCMW11T302	Up-sharp edge	55	9.525	3.97	7	0.2	1	●		
	DCMW11T304	Up-sharp edge	55	9.525	3.97	7	0.4	1	●		
	DCMW11T308	Up-sharp edge	55	9.525	3.97	7	0.8	1	●		
	DCMT11T301FNAM3	Up-sharp edge	55	9.525	3.97	7	0.1	2			●
	DCMT11T302FNAM3	Up-sharp edge	55	9.525	3.97	7	0.2	2			●
	DCMT11T304FNAM3	Up-sharp edge	55	9.525	3.97	7	0.4	2			●

Front Turning

VC.. series/Toolholder

SVJC-N-OH [93 °] Coolant through



· Diagram shows right-hand tool

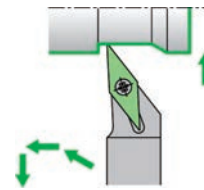
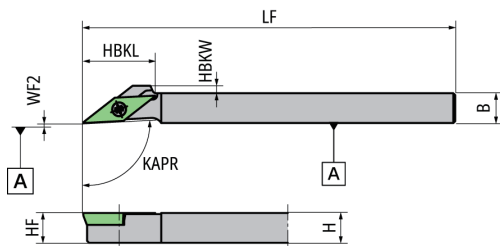
EDP	Item Number	Stock	Hand	B mm	CNT	H mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	WF2 mm	Insert Gage
5020482	SVJCR1014F11N-F02OH	●	R	14	M6*1	10	10	93	80	21	18	55	2	VC..1103.. VC..1103..WP(TFV11..)
5000419	SVJCR1214H11N-F02OH	●	R	14	Rc1/8	12	12	93	100	21	18	75	2	VC..1103.. VC..1103..WP(TFV11..)
5020508	SVJCR1616H11N-F02OH	●	R	16	Rc1/8	16	16	93	100	21	18	75	2	VC..1103.. VC..1103..WP(TFV11..)

Front Turning

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Wrench (for Clamp screw)	Wrench (for CNT)
SVJCR1014F11N-F02OH	LRIS-2.5*7	SS0605SC	CLR-15S	LW-3
SVJCR1214H11N-F02OH	LRIS-2.5*7	SPR1/8	CLR-15S	-
SVJCR1616H11N-F02OH	LRIS-2.5*7	SPR1/8	CLR-15S	-

SVJC-N [93°]



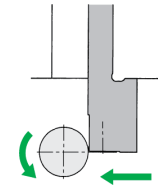
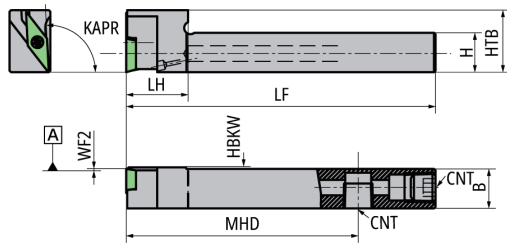
· Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HBKL mm	HBKW mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5878012	SVJCR0808H11N	●	R	8	8	19	2	8	93	100	0	VC..1103.. VC..1103..WP(TFV11..)
5339940	SVJCR1010X11N	●	R	10	10	-	-	10	93	120	0	VC..1103.. VC..1103..WP(TFV11..)
5339932	SVJCR1212X11N	●	R	12	12	-	-	12	93	120	0	VC..1103.. VC..1103..WP(TFV11..)
5339924	SVJCR1616X11N	●	R	16	16	-	-	16	93	120	0	VC..1103.. VC..1103..WP(TFV11..)
5517750	SVJCL1010X11N	●	L	10	10	-	-	10	93	120	0	VC..1103.. VC..1103..WP(TFV11..)
5517768	SVJCL1212X11N	●	L	12	12	-	-	12	93	120	0	VC..1103.. VC..1103..WP(TFV11..)
5517743	SVJCL1616X11N	●	L	16	16	-	-	16	93	120	0	VC..1103.. VC..1103..WP(TFV11..)

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVJCR0808H11N	LRIS-2.5*7	CLR-15S
SVJCR1010X11N	LRIS-2.5*7	CLR-15S
SVJCR1212X11N	LRIS-2.5*7	CLR-15S
SVJCR1616X11N	LRIS-2.5*7	CLR-15S
SVJCL1010X11N	LRIS-2.5*7	CLR-15S
SVJCL1212X11N	LRIS-2.5*7	CLR-15S
SVJCL1616X11N	LRIS-2.5*7	CLR-15S

Y-SVJC-OH [93°] Y-Axis Coolant through



• Diagram shows right-hand tool

NOTE: Use a right-handed (R) or non-handed insert.

NOTE: There is a risk of interference with the Y-axis holder depending on the combination of the maximum workpiece diameter and machining diameter.

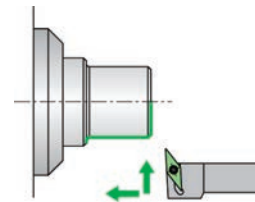
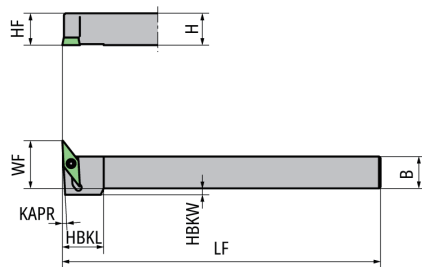
→O26

EDP	Item Number	Stock	Hand	B mm	CNT	H mm	HBKW mm	HTB mm	KAPR °	LF mm	LH mm	MHD mm	WF2 mm	Insert Gage	
5021209	Y-SVJCR1212H11S-OH	●	R	12	Rc1/8	12	0.5	20	93	100	20	75	0	VC..1103..	VC..1103..WP(TFV11..)
5021191	Y-SVJCR1616H11S-OH	●	R	16	Rc1/8	16	0.5	20	93	100	20	75	0	VC..1103..	VC..1103..WP(TFV11..)

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Wrench (for Clamp screw)
Y-SVJCR1212H11S-OH	LRIS-2.5*7	SPR1/8	CLR-15S
Y-SVJCR1616H11S-OH	LRIS-2.5*7	SPR1/8	CLR-15S

CH-SVUC [93°] for horizontal gang style tool post



• Diagram shows left-hand tool

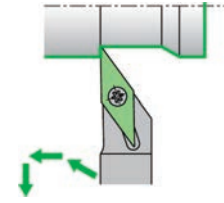
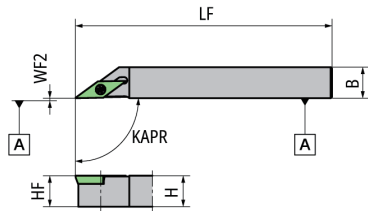
NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	H mm	HBKL mm	HBKW mm	HF mm	KAPR °	LF mm	WF mm	Insert Gage
5997077	CH-SVUCL1010H11	●	L	10	10	15	2	10	3	100	18	VC..1103..
5995634	CH-SVUCL1212H11	●	L	12	12	-	-	12	3	100	20	VC..1103..
5997085	CH-SVUCL1616H11	●	L	16	16	-	-	16	3	100	24	VC..1103..
5997093	CH-SVUCL2020H11	●	L	20	20	-	-	20	3	100	28	VC..1103..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
CH-SVUCL1010H11	LRIS-2.5*7	CLR-15S
CH-SVUCL1212H11	LRIS-2.5*7	CLR-15S
CH-SVUCL1616H11	LRIS-2.5*7	CLR-15S
CH-SVUCL2020H11	LRIS-2.5*7	CLR-15S

SVAC-N [91°]



· Diagram shows right-hand tool

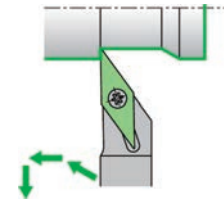
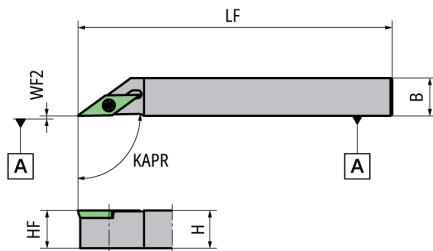
EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5304043	SVACR1010X11N	●	R	10	10	10	91	120	0	VC..1103..
5304050	SVACR1212X11N	●	R	12	12	12	91	120	0	VC..1103..
5304068	SVACR1616X11N	●	R	16	16	16	91	120	0	VC..1103..
5304092	SVACL1010X11N	●	L	10	10	10	91	120	0	VC..1103..
5304076	SVACL1212X11N	●	L	12	12	12	91	120	0	VC..1103..

Front Turning

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVACR1010X11N	LRIS-2.5*7	CLR-15S
SVACR1212X11N	LRIS-2.5*7	CLR-15S
SVACR1616X11N	LRIS-2.5*7	CLR-15S
SVACL1010X11N	LRIS-2.5*7	CLR-15S
SVACL1212X11N	LRIS-2.5*7	CLR-15S

SVAC-N-1L [91°]



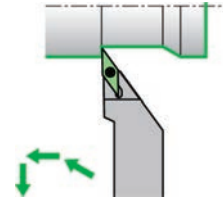
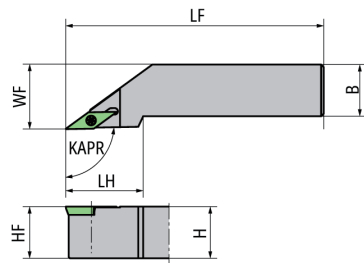
· Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5473053	SVACR1010X11N-1L	●	R	10	10	10	91	120	0	VC..1102..
5473061	SVACR1212X11N-1L	●	R	12	12	12	91	120	0	VC..1102..
5473038	SVACL1010X11N-1L	●	L	10	10	10	91	120	0	VC..1102..
5473046	SVACL1212X11N-1L	●	L	12	12	12	91	120	0	VC..1102..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVACR1010X11N-1L	LRIS-2.5*7	CLR-15S
SVACR1212X11N-1L	LRIS-2.5*7	CLR-15S
SVACL1010X11N-1L	LRIS-2.5*7	CLR-15S
SVACL1212X11N-1L	LRIS-2.5*7	CLR-15S

SVAC [91°]



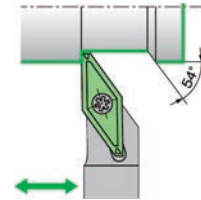
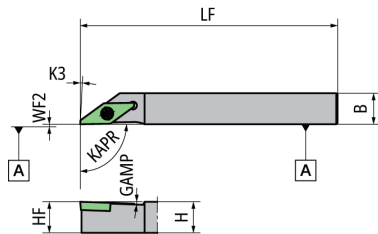
• Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	LH mm	WF mm	Insert Gage
5744768	SVACR20-X11	●	R	20	20	20	91	120	30	25	VC..1103..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVACR20-X11	LRIS-2.5*7	CLR-15S

SVAC-NW [91°] for VCGT1303



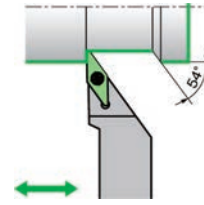
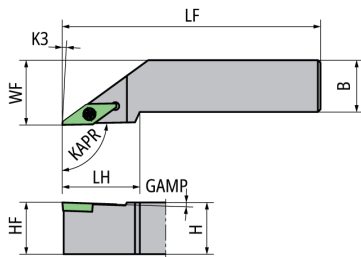
• Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	GMAP °	H mm	HF mm	KAPR °	K3 °	LF mm	WF2 mm	Insert Gage
5401724	SVACR1010L13NW	●	R	10	1	10	10	91	3	140	0	VC..1303..2M
5401732	SVACR1212L13NW	●	R	12	1	12	12	91	3	140	0	VC..1303..2M
5401740	SVACR1616M13NW	●	R	16	1	16	16	91	3	140	0	VC..1303..2M
5401708	SVACL1010L13NW	●	L	10	1	10	10	91	3	140	0	VC..1303..2M
5401716	SVACL1212L13NW	●	L	12	1	12	12	91	3	140	0	VC..1303..2M
5431077	SVACL1616M13NW	●	L	16	1	16	16	91	3	140	0	VC..1303..2M

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVACR1010L13NW	LRIS-3*8	RLR-20S
SVACR1212L13NW	LRIS-3*8	RLR-20S
SVACR1616M13NW	LRIS-3*8	RLR-20S
SVACL1010L13NW	LRIS-3*8	RLR-20S
SVACL1212L13NW	LRIS-3*8	RLR-20S
SVACL1616M13NW	LRIS-3*8	RLR-20S

SVAC-W [91°] for VCGT1303



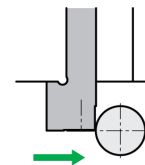
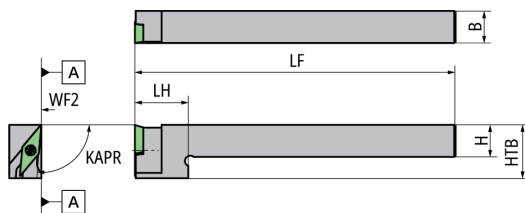
· Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	GMAP °	H mm	HF mm	KAPR °	K3 °	LF mm	LH mm	WF mm	Insert Gage
5474549	SVACR2020M13W	●	R	20	1	20	20	91	3	150	30	25	VC..1303..2M

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVACR2020M13W	LRIS-3*8	RLR-20S

Y-SVXC [95°] Y-axis



· Diagram shows left-hand tool

NOTE: Use a left-handed (L) or non-handed insert.

NOTE: There is a risk of interference with the Y-axis holder depending on the combination of the maximum workpiece diameter and machining diameter.

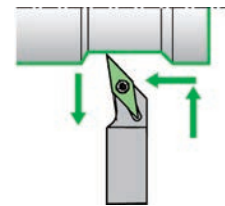
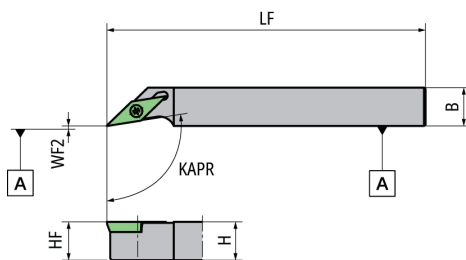
→O26

EDP	Item Number	Stock	Hand	B mm	H mm	KAPR °	LF mm	LH mm	WF2 mm	Insert Gage
5917182	Y-SVXCL12-11S	●	L	12	12	95	120	20	0	VC..1103..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
Y-SVXCL12-11S	LRIS-2.5*7	CLR-15S

SVXC-N [99°]



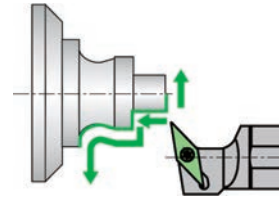
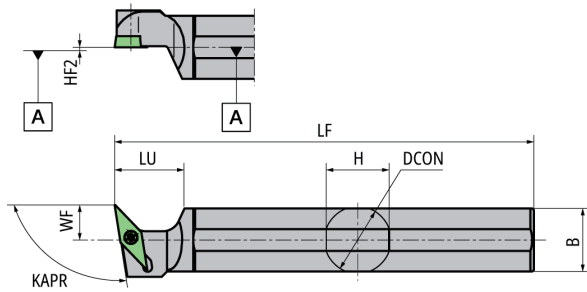
· Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5393731	SVXCR1012X11N	●	R	12	10	10	99	120	0	VC..1103..
5393749	SVXCR1212X11N	●	R	12	12	12	99	120	0	VC..1103..
5415815	SVXCL1012X11N	●	L	12	10	10	99	120	0	VC..1103..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVXCR1012X11N	LRIS-2.5*7	CLR-15S
SVXCR1212X11N	LRIS-2.5*7	CLR-15S
SVXCL1012X11N	LRIS-2.5*7	CLR-15S

DS-SVX [99°] DS Toolholders



• Diagram shows left-hand tool

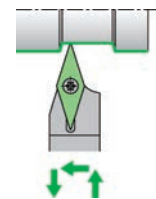
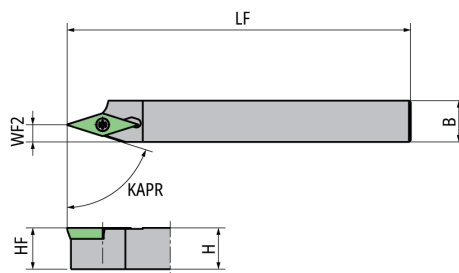
NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	DCON mm	H mm	HF2 mm	KAPR °	LF mm	LU mm	WF mm	Insert Gage
5601778	DS-SVXL14F-11	●	L	13	14	13	0	99	80	20.5	10	VC..1103..
5418413	DS-SVXL15H-11	●	L	15	15.875	15	0	99	100	20.5	10	VC..1103..
5601752	DS-SVXL16F-11	●	L	15	16	15	0	99	80	20.5	10	VC..1103..
5393756	DS-SVXL19-11	●	L	18	19.05	18	0	99	120	20	10	VC..1103..
5572722	DS-SVXL19-11SPL	●	L	18	19.05	18	0	99	160	20	11	VC..1103..
5393764	DS-SVXL20-11	●	L	19	20	19	0	99	120	20	10	VC..1103..
5520663	DS-SVXL20X-11	●	L	19	20	19	0	99	95	20	10	VC..1103..
5486675	DS-SVXL22-11	●	L	21	22	21	0	99	120	20	10	VC..1103..
5486683	DS-SVXL25-11	●	L	24	25.4	24	0	99	150	20	10	VC..1103..
5953252	DS-SVXL25-11MET	●	L	24	25	24	0	99	150	20	10	VC..1103..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
DS-SVXL14F-11	LRIS-2.5*7	CLR-15S
DS-SVXL15H-11	LRIS-2.5*7	CLR-15S
DS-SVXL16F-11	LRIS-2.5*7	CLR-15S
DS-SVXL19-11	LRIS-2.5*7	CLR-15S
DS-SVXL19-11SPL	LRIS-2.5*7	CLR-15S
DS-SVXL20-11	LRIS-2.5*7	CLR-15S
DS-SVXL20X-11	LRIS-2.5*7	CLR-15S
DS-SVXL22-11	LRIS-2.5*7	CLR-15S
DS-SVXL25-11	LRIS-2.5*7	CLR-15S
DS-SVXL25-11MET	LRIS-2.5*7	CLR-15S

SVVC-N [72.5°]



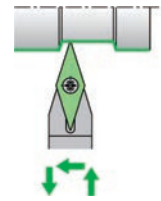
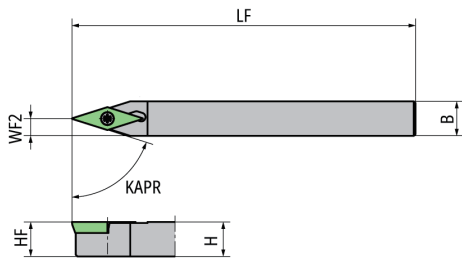
• Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5523238	SVVCR1212X11N	●	R	12	12	12	72.5	120	5	VC..1103..
5523212	SVVCR1616X11N	●	R	16	16	16	72.5	120	5	VC..1103..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVVCR1212X11N	LRIS-2.5*7	CLR-15S
SVVCR1616X11N	LRIS-2.5*7	CLR-15S

SVVCN [72.5°]

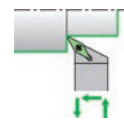
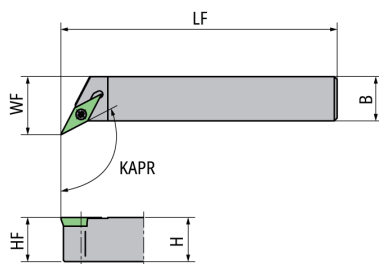


EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5877998	SVVCN0808H11N	●	N	8	8	8	72.5	100	4	VC..1103..
5461835	SVVCN1010X11N	●	N	10	10	10	72.5	120	5	VC..1103..
5744792	SVVCN20-X11	●	N	20	20	20	72.5	120	10	VC..1103..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVVCN0808H11N	LRIS-2.5*7	CLR-15S
SVVCN1010X11N	LRIS-2.5*7	CLR-15S
SVVCN20-X11	LRIS-2.5*7	CLR-15S

SVQC [117.5°]



· Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF mm	Insert Gage
5744776	SVQCR20-X11	●	R	20	20	20	117.5	120	25	VC..1103..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVQCR20-X11	LRIS-2.5*7	CLR-15S

VC.. series/Inserts Carbide

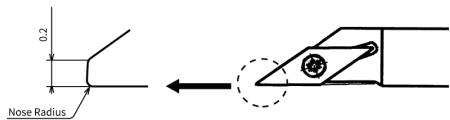
VC..



Material	Steel	Stainless Steel	Cast Iron	Non-Ferrous Material	Heat Resistant Alloy	Hardened Material	Others (non-metallic)
Steel	○	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●
Cast Iron							●
Non-Ferrous Material				○			●
Heat Resistant Alloy		●	○	○			
Hardened Material		○	○	○			
Others (non-metallic)							●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	BS mm	Carbide													Uncoated KM1
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD	CVD			
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7					
	VCGT110301MYL	Up-sharp edge	35	6.35	3.18	7	0.08	-	●	●	●	●	●									
	VCGT110302MYL	Up-sharp edge	35	6.35	3.18	7	0.18	-	●	●	●	●	●									
	VCGT110304MYL	Up-sharp edge	35	6.35	3.18	7	0.38	-	●	●	●	●	●									
	VCGT110202MCL	Up-sharp edge	35	6.35	2.38	7	0.18	-		●	●	●	●									
	VCGT110301MCL	Up-sharp edge	35	6.35	3.18	7	0.08	-	●	●	●	●	●									
	VCGT110302MCL	Up-sharp edge	35	6.35	3.18	7	0.18	-	●	●	●	●	●									
	VCGT110300FNAM3	Up-sharp edge	35	6.35	3.18	7	0.03	-			●		●	●								
	VCGT110301MFNAM3	Up-sharp edge	35	6.35	3.18	7	0.08	-	●		●	●	●	●								
	VCGT110301FNAM3	Up-sharp edge	35	6.35	3.18	7	0.1	-							●	●						
	VCGT110302MFNAM3	Up-sharp edge	35	6.35	3.18	7	0.18	-	●		●	●	●	●								
	VCGT110302FNAM3	Up-sharp edge	35	6.35	3.18	7	0.2	-							●	●						
	VCGT110304FNAM3	Up-sharp edge	35	6.35	3.18	7	0.38	-	●		●	●	●	●								
	VCMT110302FNAM3	Up-sharp edge	35	6.35	3.18	7	0.2	-			●											
VCMT110304FNAM3	Up-sharp edge	35	6.35	3.18	7	0.4	-			●												
	VCGT110300AZ7	Up-sharp edge	35	6.35	3.18	7	0.03	-				●										
	VCGT110301MAZ7	Up-sharp edge	35	6.35	3.18	7	0.08	-				●										
	VCGT110302MAZ7	Up-sharp edge	35	6.35	3.18	7	0.18	-				●										
	VCGT110304MAZ7	Up-sharp edge	35	6.35	3.18	7	0.38	-				●										
	VCGT130300FR2M	Up-sharp edge	35	7.94	3.18	7	-	-			●											
	VCGT130300FL2M	Up-sharp edge	35	7.94	3.18	7	-	-			●											
	VCGT130301FR2M	Up-sharp edge	35	7.94	3.18	7	-	-			●											
	VCGT130301FL2M	Up-sharp edge	35	7.94	3.18	7	-	-			●											
	VCGT110300RU	Up-sharp edge	35	6.35	3.18	7	0.03	-							●	●						
	VCGT110301MRU	Up-sharp edge	35	6.35	3.18	7	0.08	-				●										
	VCGT110301RU	Up-sharp edge	35	6.35	3.18	7	0.1	-							●	●						
	VCGT110302MRU	Up-sharp edge	35	6.35	3.18	7	0.18	-				●										
	VCGT110302RU	Up-sharp edge	35	6.35	3.18	7	0.2	-							●	●						
	VCET1103008RUHG	Up-sharp edge	35	6.35	3.18	7	0.08	-							●							
	VCGT1103005RU-WP	Up-sharp edge	35	6.35	3.18	7	0.05	(0.2)							●	●						
	VCGT110301RU-WP	Up-sharp edge	35	6.35	3.18	7	0.1	(0.2)							●	●						
	VCGT1103005RSX-WP	Up-sharp edge	35	6.35	3.18	7	0.05	(0.2)							●	●						
	VCGT110301RSX-WP	Up-sharp edge	35	6.35	3.18	7	0.1	(0.2)							●	●						
	VCGW110300H	Up-sharp edge	35	6.35	3.18	7	0.03	-														●
	VCGW110301H	Up-sharp edge	35	6.35	3.18	7	0.1	-														●
	VCGW110302H	Up-sharp edge	35	6.35	3.18	7	0.2	-														●

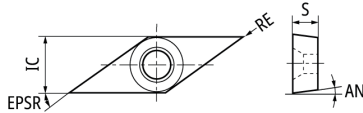
Features of VCGT-WP insert



NTK WP style inserts have a wiper facet design. The insert has a 0.2mm flat on the cutting edge when the insert is set into the toolholder. The flat on the cutting edge ensures a superior surface when feed rates are increased. WP style inserts can be used in toolholders: SVAC

VC.. series/Inserts CBN

VCGW



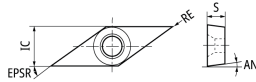
Steel
Stainless Steel
Cast Iron ● ● ● ● ○ ○
Non-Ferrous Material
Heat Resistant Alloy
Hardened Material ● ● ● ● ●
Others (non-metallic)

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D2 mm	Length of edge	No. of edge	S1 mm	CBN										
												B16 PVD	B22	B23	B30	B36	B6K PVD	B40	B52	B5K PVD		
	VCGW080202PDS01015	S01015	35	4.76	2.38	7	0.2	-	2.6	2	-											●
	VCGW080204PDS01015	S01015	35	4.76	2.38	7	0.4	-	2.5	2	-											●
	VCGW080208PDS01015	S01015	35	4.76	2.38	7	0.8	-	1.6	2	-											●
	VCGW110302PDS01015	S01015	35	6.35	3.18	7	0.2	-	2.6	2	-											● ●
	VCGW110302PDS01535	S01535	35	6.35	3.18	7	0.2	-	2.6	2	-											● ●
	VCGW110304PDS01015	S01015	35	6.35	3.18	7	0.4	-	2.5	2	-											● ●
	VCGW110304PDS01535	S01535	35	6.35	3.18	7	0.4	-	2.5	2	-											● ●
	VCGW110308PDS01015	S01015	35	6.35	3.18	7	0.8	-	1.6	2	-											● ●
	VCGW110308PDS01535	S01535	35	6.35	3.18	7	0.8	-	1.6	2	-											● ●
	VCGW110312PDS01015	S01015	35	6.35	3.18	7	1.2	-	2.7	2	-											● ●
	VCGW110312PDS01535	S01535	35	6.35	3.18	7	1.2	-	2.7	2	-											● ●
	VCGW160402PDS01015	S01015	35	9.525	4.76	7	0.2	-	2.6	2	-											●
	VCGW160402PDS01535	S01535	35	9.525	4.76	7	0.2	-	2.6	2	-											●
	VCGW160404PDS01015	S01015	35	9.525	4.76	7	0.4	-	2.5	2	-											● ●
	VCGW160404PDS01535	S01535	35	9.525	4.76	7	0.4	-	2.5	2	-											● ●
	VCGW160404PDT01020	T01020	35	9.525	4.76	7	0.4	-	2.5	2	-				●							
	VCGW160408PDS01015	S01015	35	9.525	4.76	7	0.8	-	1.6	2	-											● ●
	VCGW160408PDS01535	S01535	35	9.525	4.76	7	0.8	-	1.6	2	-											● ●
	VCGW160408PDT01020	T01020	35	9.525	4.76	7	0.8	-	1.6	2	-				●							
	VCGW160412PDS01015	S01015	35	9.525	4.76	7	1.2	-	2.7	2	-											● ●
VCGW160412PDS01535	S01535	35	9.525	4.76	7	1.2	-	2.7	2	-											● ●	
VCGW160412PDT01020	T01020	35	9.525	4.76	7	1.2	-	2.7	2	-				●								

Front Turning

VC.. series/Inserts PCD

VCMW

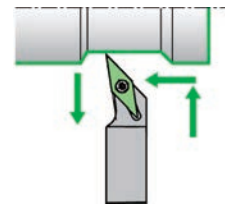
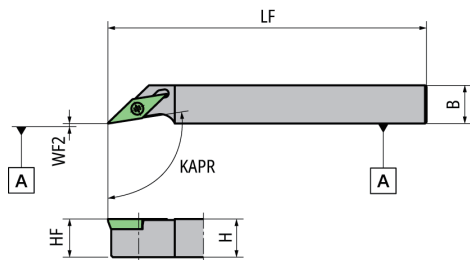


Steel
Stainless Steel
Cast Iron
Non-Ferrous Material ● ● ●
Heat Resistant Alloy
Hardened Material
Others (non-metallic) ●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating
									PD1	PD2	UC1
	VCMW110301	Up-sharp edge	35	6.35	3.18	7	0.1	1	●		
	VCMW110302	Up-sharp edge	35	6.35	3.18	7	0.2	1	●		
	VCMW110304	Up-sharp edge	35	6.35	3.18	7	0.4	1	●		

VP.. series/Toolholder

SVXP-N [99°]



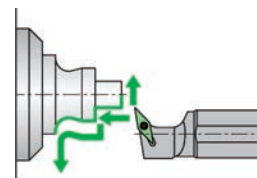
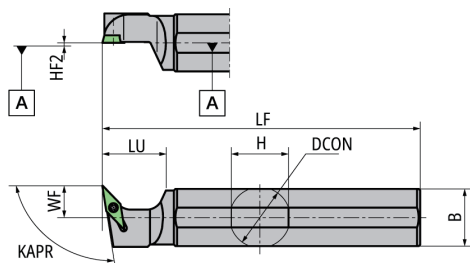
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5511506	SVXPR1012X11N	●	R	12	10	10	99	120	0	VP.1103..
5511522	SVXPR1212X11N	●	R	12	12	12	99	120	0	VP.1103..
5511514	SVXPL1012X11N	●	L	12	10	10	99	120	0	VP.1103..
5511548	SVXPL1212X11N	●	L	12	12	12	99	120	0	VP.1103..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVXPR1012X11N	LRIS-2.5*7	CLR-15S
SVXPR1212X11N	LRIS-2.5*7	CLR-15S
SVXPL1012X11N	LRIS-2.5*7	CLR-15S
SVXPL1212X11N	LRIS-2.5*7	CLR-15S

DS-SVXP [99°] DS Toolholders



● Diagram shows left-hand tool

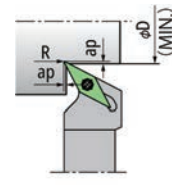
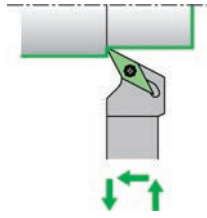
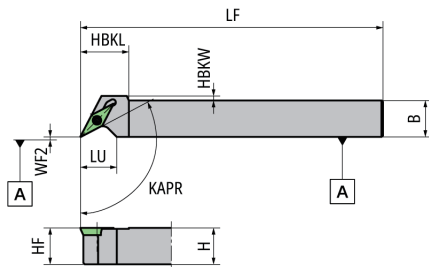
NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	DCON mm	H mm	HF2 mm	KAPR °	LF mm	LU mm	WF mm	Insert Gage
5534003	DS-SVXPL19-08	●	L	18	19.05	18	0	99	120	20	10	VP.0802..
5534011	DS-SVXPL20-08	●	L	19	20	19	0	99	120	20	10	VP.0802..
5600549	DS-SVXPL22-08	●	L	21	22	21	0	99	120	20	10	VP.0802..
5533997	DS-SVXPL25-08	●	L	24	25.4	24	0	99	150	20	10	VP.0802..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
DS-SVXPL19-08	LRIS-2*6	CLR-13S
DS-SVXPL20-08	LRIS-2*6	CLR-13S
DS-SVXPL22-08	LRIS-2*6	CLR-13S
DS-SVXPL25-08	LRIS-2*6	CLR-13S

SVQP-N [117.5°]



R	ap	φD(Min)
0.05	0.2	2.5
	0.5	4.5
0.08	0.2	2.5
	0.5	4.5
0.18	0.2	3.5
	0.5	5.5
0.2	0.2	3.5
	0.5	5.5

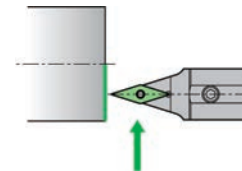
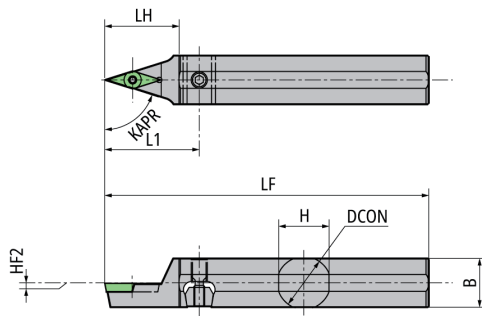
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HBKL mm	HBKW mm	HF mm	KAPR °	LF mm	LU mm	WF2 mm	Insert Gage
5600622	SVQPR1010X08N	●	R	10	10	16	3.5	10	117.5	120	12	0	VP.0802..
5600598	SVQPR1212X08N	●	R	12	12	16	1.5	12	117.5	120	12	0	VP.0802..
5600580	SVQPR1616X08N	●	R	16	16	-	-	16	117.5	120	12	0	VP.0802..
5600614	SVQPL1010X08N	●	L	10	10	16	3.5	10	117.5	120	12	0	VP.0802..
5600606	SVQPL1212X08N	●	L	12	12	16	1.5	12	117.5	120	12	0	VP.0802..
5600564	SVQPL1616X08N	●	L	16	16	-	-	16	117.5	120	12	0	VP.0802..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
SVQPR1010X08N	LRIS-2*6	CLR-13S
SVQPR1212X08N	LRIS-2*6	CLR-13S
SVQPR1616X08N	LRIS-2*6	CLR-13S
SVQPL1010X08N	LRIS-2*6	CLR-13S
SVQPL1212X08N	LRIS-2*6	CLR-13S
SVQPL1616X08N	LRIS-2*6	CLR-13S

DS-SVVPN-ACH [72.5°] Adjustable centerline height

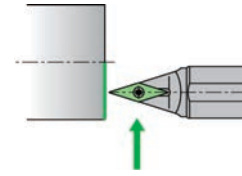
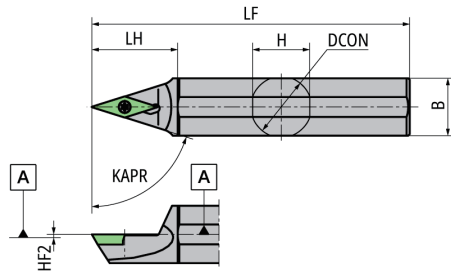


EDP	Item Number	Stock	Hand	B mm	DCON mm	H mm	HF2 mm	KAPR °	LF mm	L1 mm	Insert Gage
5805643	DS-SVVPN16-11-ACH	●	N	15	16	15.5	Type B(0~+0.3)	72.5	120	31	VP.1103..
5799655	DS-SVVPN19-11-ACH	●	N	18	19.05	18	Type B(0~+0.3)	72.5	120	35	VP.1103..
5799663	DS-SVVPN20-11-ACH	●	N	19	20	19	Type B(0~+0.3)	72.5	120	35	VP.1103..
5799671	DS-SVVPN22-11-ACH	●	N	21	22	21	Type A(0~+0.2)	72.5	120	35	VP.1103..
5807524	DS-SVVPN25-11-ACH	●	N	24	25.4	24	Type A(0~+0.2)	72.5	150	35	VP.1103..

Spare Parts

Item Number	Clamp screw	Screw (for Wedge)	Wedge	Wrench (for Clamp screw)	Wrench (for Wedge)
DS-SVVPN16-11-ACH	LRIS-2.5*7	WS060415-003	ACH-W18	CLR-15S	LW-3
DS-SVVPN19-11-ACH	LRIS-2.5*7	WS060415-003	ACH-W18	CLR-15S	LW-3
DS-SVVPN20-11-ACH	LRIS-2.5*7	WS060419-004	ACH-W18	CLR-15S	LW-3
DS-SVVPN22-11-ACH	LRIS-2.5*7	WS060419-004	ACH-W18	CLR-15S	LW-3
DS-SVVPN25-11-ACH	LRIS-2.5*7	WS060419-004	ACH-W24	CLR-15S	LW-3

DS-SVVPN [72.5°] DS Toolholders



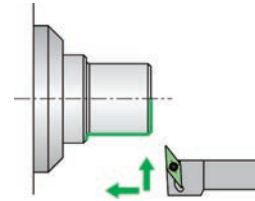
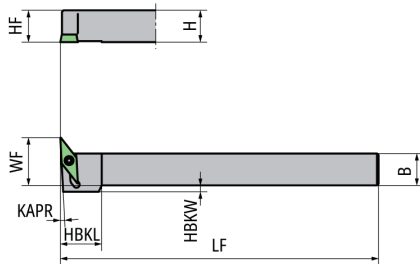
EDP	Item Number	Stock	Hand	B mm	DCON mm	H mm	HF2 mm	KAPR °	LF mm	Insert Gage
5511555	DS-SVVPN19-11	●	N	18	19.05	18	0	72.5	120	VP..1103..
5511563	DS-SVVPN22-11	●	N	21	22	21	0	72.5	120	VP..1103..

Front Turning

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
DS-SVVPN19-11	LRIS-2.5*7	CLR-15S
DS-SVVPN22-11	LRIS-2.5*7	CLR-15S

CH-SVUP [93°] for horizontal gang style tool post



● Diagram shows left-hand tool

NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	H mm	HBKL mm	HBKW mm	HF mm	KAPR °	LF mm	WF mm	Insert Gage
5659206	CH-SVUPL1010H08	●	L	10	10	13	2	10	3	100	15	VP..0802..
5659214	CH-SVUPL1212H08	●	L	12	12	-	-	12	3	100	17	VP..0802..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
CH-SVUPL1010H08	LRIS-2*6	CLR-13S
CH-SVUPL1212H08	LRIS-2*6	CLR-13S

VP.. series/Inserts Carbide

VP..



Steel	○	●	●	●	●	●	●	●	●	
Stainless Steel	●	○	○	○	●	○	●	●	●	
Cast Iron									●	
Non-Ferrous Material								○	○	●
Heat Resistant Alloy		●	○	○						
Hardened Material		○	○	○						
Others (non-metallic)										●

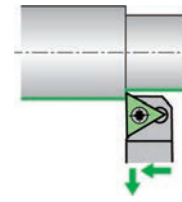
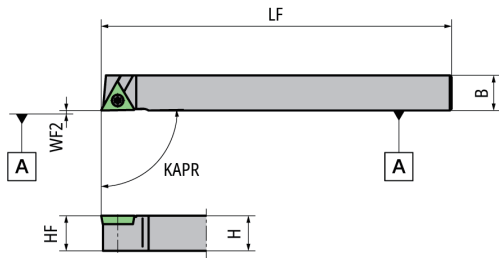
Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide										Uncoated
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD	CVD	
	(ISO)		°	mm	mm	°	mm	mm	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7		
	VPET0802005LKHG	Up-sharp edge	35	4.76	2.38	11	0.05	-										●	
	VPET0802008RKHG	Up-sharp edge	35	4.76	2.38	11	0.08	-			●			●	●				
	VPET0802008LKHG	Up-sharp edge	35	4.76	2.38	11	0.08	-										●	
	VPET0802018RKHG	Up-sharp edge	35	4.76	2.38	11	0.18	-						●	●				
	VPET0802018LKHG	Up-sharp edge	35	4.76	2.38	11	0.18	-										●	
	VPET080202RKHG	Up-sharp edge	35	4.76	2.38	11	0.2	-							●	●			
	VPET080202LKHG	Up-sharp edge	35	4.76	2.38	11	0.2	-										●	
	VPET1103005RKHG	Up-sharp edge	35	6.35	3.18	11	0.05	-							●	●			
	VPET1103005LKHG	Up-sharp edge	35	6.35	3.18	11	0.05	-										●	
	VPET1103008RKHG	Up-sharp edge	35	6.35	3.18	11	0.08	-							●	●			
	VPET1103008LKHG	Up-sharp edge	35	6.35	3.18	11	0.08	-										●	
	VPET1103018RKHG	Up-sharp edge	35	6.35	3.18	11	0.18	-							●	●			
	VPET1103018LKHG	Up-sharp edge	35	6.35	3.18	11	0.18	-										●	
	VPET110302RKHG	Up-sharp edge	35	6.35	3.18	11	0.2	-							●	●			
VPET110302LKHG	Up-sharp edge	35	6.35	3.18	11	0.2	-										●		
	VPET0802008LUHG	Up-sharp edge	35	4.76	2.38	11	0.08	-				●							
	VPET0802008RUHG	Up-sharp edge	35	4.76	2.38	11	0.08	-				●							
	VPGT110300MFAM3	Up-sharp edge	35	6.35	3.18	11	0.03	-				●			●				
	VPGT110301MFAM3	Up-sharp edge	35	6.35	3.18	11	0.08	-	●			●	●	●					
	VPGT110302MFAM3	Up-sharp edge	35	6.35	3.18	11	0.18	-	●			●	●	●					

Front Turning



TC.. series/Toolholder

STAC-N [91°]



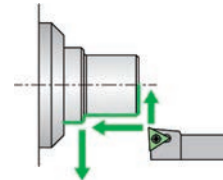
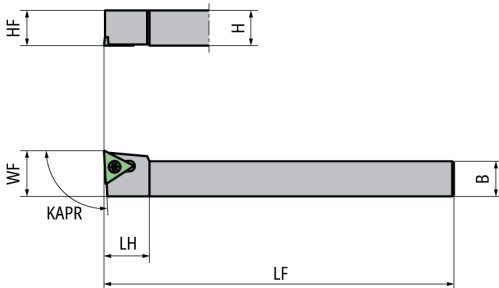
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage	
5137005	STACR0808X09N	●	R	8	8	8	91	120	0	TC..0902..	TC..0902..WP(TFT09..)
5137096	STACR1010X09N	●	R	10	10	10	91	120	0	TC..0902..	TC..0902..WP(TFT09..)
5119078	STACR1212X11N	●	R	12	12	12	91	120	0	TC..1102..	TC..1102..WP(TFT11..)
5137948	STACL1010X09N	●	L	10	10	10	91	120	0	TC..0902..	TC..0902..WP(TFT09..)
5137930	STACL1212X11N	●	L	12	12	12	91	120	0	TC..1102..	TC..1102..WP(TFT11..)

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
STACR0808X09N	LRIS-2.2*6	CLR-13S
STACR1010X09N	LRIS-2.2*6	CLR-13S
STACR1212X11N	LRIS-2.5*7	CLR-15S
STACL1010X09N	LRIS-2.2*6	CLR-13S
STACL1212X11N	LRIS-2.5*7	CLR-15S

CH-STUC [93°] for horizontal gang style tool post



● Diagram shows left-hand tool

NOTE: Use a right-handed (R) or non-handed insert.

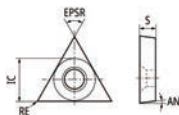
EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LF mm	LH mm	WF mm	Insert Gage
5659180	CH-STUCL1010H09	●	L	10	10	10	93	100	13	13	TC..0902..
5659198	CH-STUCL1212H09	●	L	12	12	12	93	100	13	15	TC..0902..

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
CH-STUCL1010H09	LRIS-2.2*6	CLR-13S
CH-STUCL1212H09	LRIS-2.2*6	CLR-13S

TC.. series/Inserts Carbide

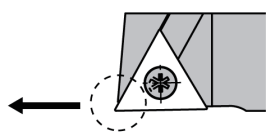
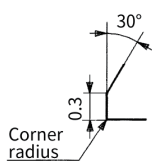
TC..



Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron									●
Non-Ferrous Material						○		○	●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide										
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD	CVD	Uncoated
	(ISO)		°	mm	mm	°	mm	mm	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1	
	TCGT090201RS	Up-sharp edge	60	5.56	2.38	7	0.1	-							●	●			
	TCGT090201LS	Up-sharp edge	60	5.56	2.38	7	0.1	-							●				
	TCGT090202RS	Up-sharp edge	60	5.56	2.38	7	0.2	-								●			
	TCGT110201RS	Up-sharp edge	60	6.35	2.38	7	0.1	-							●	●			
	TCGT110201LS	Up-sharp edge	60	6.35	2.38	7	0.1	-							●				
	TCGT090201RU	Up-sharp edge	60	5.56	2.38	7	0.1	-								●			
	TCGT090202RU	Up-sharp edge	60	5.56	2.38	7	0.2	-								●			
	TCGT0902005RS-WP	Up-sharp edge	60	5.56	2.38	7	0.05	(0.3)								●			
	TCGT0902005LS-WP	Up-sharp edge	60	5.56	2.38	7	0.05	(0.3)								●			
	TCGT0902015RS-WP	Up-sharp edge	60	5.56	2.38	7	0.15	(0.3)								●			
	TCGT0902015LS-WP	Up-sharp edge	60	5.56	2.38	7	0.15	(0.3)								●			
	TCGT1102005RS-WP	Up-sharp edge	60	6.35	2.38	7	0.05	(0.3)								●			
	TCGT1102015RS-WP	Up-sharp edge	60	6.35	2.38	7	0.15	(0.3)								●			
	TCGT0902005RU-WP	Up-sharp edge	60	5.56	2.38	7	0.05	(0.3)								●			
	TCGT0902015RU-WP	Up-sharp edge	60	5.56	2.38	7	0.15	(0.3)								●			
	TCGT1102005RU1-WP	Up-sharp edge	60	6.35	2.38	7	0.05	(0.3)								●			
	TCGT1102015RU1-WP	Up-sharp edge	60	6.35	2.38	7	0.15	(0.3)								●			
	TCGW090200FN	Up-sharp edge	60	5.56	2.38	7	0.03	-								●			
	TCGW090201FN	Up-sharp edge	60	5.56	2.38	7	0.1	-								●			
	TCGW110200FN	Up-sharp edge	60	6.35	2.38	7	0.03	-								●			
	TCGW110201FN	Up-sharp edge	60	6.35	2.38	7	0.1	-								●			

Features of TCGT-WP insert



NTK WP style inserts have a wiper facet design.

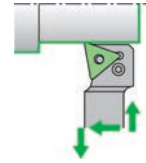
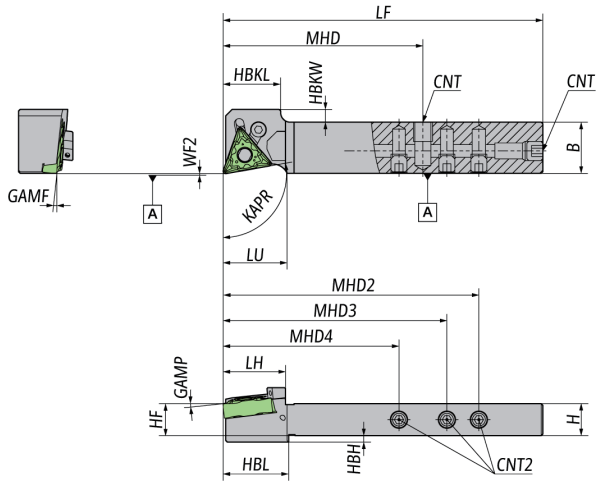
The insert has a 0.3mm flat on the cutting edge when the insert is set into the toolholder.

The flat on the cutting edge ensures a superior surface when feed rates are increased.

WP style inserts can be used in toolholders: STAC

TN.. series/Toolholders

PTXN-OH3 [100°] Coolant through (direct connect compatible)



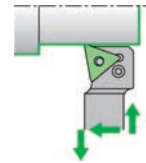
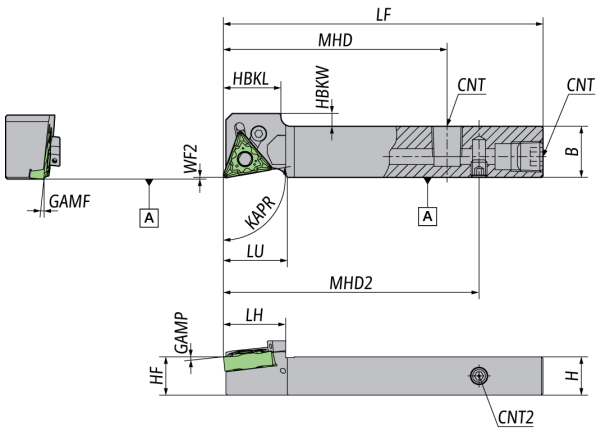
• Diagram shows right-hand tool

EDP	Item Number	Stock Hand	B mm	CNT	CNT2	GAMF °	GMAP °	H mm	HBH mm	HBKL mm	HBKW mm	HBL mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	MHD2 mm	MHD3 mm	MHD4 mm	WF2 mm	Insert Gage
5128939	PTXNR1016X33N-OH3	R	16	M6*1	M5	6	6	10	2	18	4	20.5	10	100	100	19.5	20	62.5	80	70	55	0	TN..1604..
5129374	PTXNR1616X33N-OH3	R	16	Rc1/8	M5	6	6	16	-	18	4	-	16	100	120	19.5	20	78.75	100	87.5	70	0	TN..1604..

Spare Parts

Item Number	Clamp screw	Clamp Pin	Screw (for CNT)	Screw (for CNT2)	Wrench (for Clamp screw)
PTXNR1016X33N-OH3	LCS33	LCL33N	SS0605SC	SS0505SC	LW2.5
PTXNR1616X33N-OH3	LCS33	LCL33N	SPR1/8	SS0505SC	LW2.5

PTXN-OH2 [100°] Coolant through (direct connect compatible)



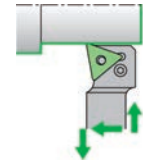
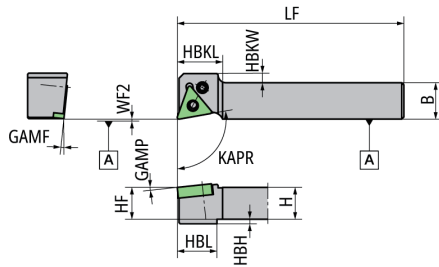
• Diagram shows right-hand tool

EDP	Item Number	Stock Hand	B mm	CNT	CNT2	GAMF °	GMAP °	H mm	HBH mm	HBKL mm	HBKW mm	HF mm	KAPR °	LF mm	LH mm	LU mm	MHD mm	MHD2 mm	WF2 mm	Insert Gage
5129309	PTXNR1216X33N-OH2	R	16	Rc1/8	M5	6	6	12	18	4	12	100	100	19.5	20	70	80	0	TN..1604..	

Spare Parts

Item Number	Clamp screw	Clamp Pin	Screw (for CNT)	Screw (for CNT2)	Wrench (for Clamp screw)
PTXNR1216X33N-OH2	LCS33	LCL33N	SPR1/8	SS0505SC	LW2.5

PTXN-N [100°]



· Diagram shows right-hand tool

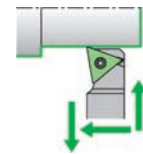
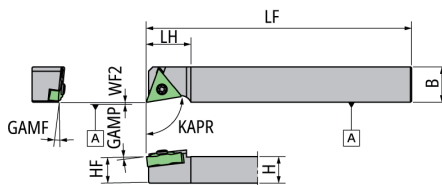
EDP	Item Number	Stock	Hand	B mm	GAMF °	GMAP °	H mm	HBH mm	HBKL mm	HBKW mm	HBL mm	HF mm	KAPR °	LF mm	WF2 mm	Insert Gage
5479860	PTXNR1016X33N	●	R	16	6	6	10	2	18	4	17.5	10	100	120	0	TN..1604..
5479852	PTXNR1216X33N	●	R	16	6	6	12	-	18	4	-	12	100	120	0	TN..1604..
5016183	PTXNR1216X33NGX	●	R	16	6	6	12	-	18	4	-	12	100	85	0	TN..1604..
5489901	PTXNR1616X33N	●	R	16	6	6	16	-	18	4	-	16	100	120	0	TN..1604..
5513965	PTXNR2020X33N	●	R	20	6	6	20	-	18	-	-	20	100	120	0	TN..1604..

Front Turning

Spare Parts

Item Number	Clamp screw	Clamp Pin	Wrench (for Clamp screw)
PTXNR1016X33N	LCS33	LCL33N	LW-2
PTXNR1216X33N	LCS33	LCL33N	LW-2
PTXNR1216X33NGX	LCS33	LCL33N	LW-2
PTXNR1616X33N	LCS33	LCL33N	LW-2
PTXNR2020X33N	LCS33	LCL33N	LW-2

STXN-N [100°] For Screw-on Toolholders



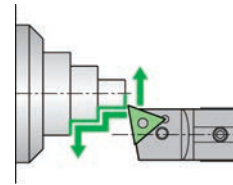
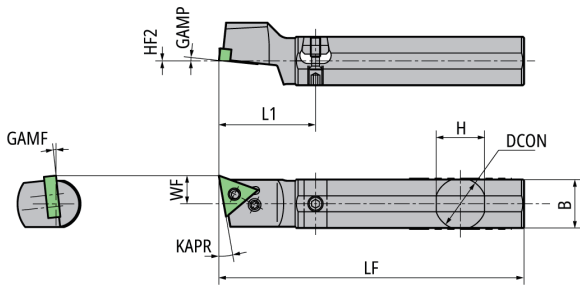
· Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	GAMF °	GMAP °	H mm	HF mm	KAPR °	LF mm	LH mm	WF2 mm	Insert Gage
5837893	STXNR1016X33N	●	R	16	6	6	10	10	100	120	18	0	TN..1604..UL
5837901	STXNR1216X33N	●	R	16	6	6	12	12	100	120	18	0	TN..1604..UL
5016191	STXNR1216GX33N	●	R	16	6	6	12	12	100	85	18	0	TN..1604..UL
5837919	STXNR1616X33N	●	R	16	6	6	16	16	100	120	18	0	TN..1604..UL

Spare Parts

Item Number	Clamp screw	Wrench (for Clamp screw)
STXNR1016X33N	LR-S-3.5*10.6	RLR-20S
STXNR1216X33N	LR-S-3.5*10.6	RLR-20S
STXNR1216GX33N	LR-S-3.5*10.6	RLR-20S
STXNR1616X33N	LR-S-3.5*10.6	RLR-20S

DS-PTX-ACH [100°] Adjustable centerline height



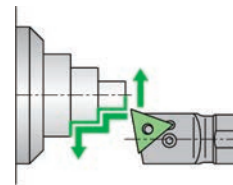
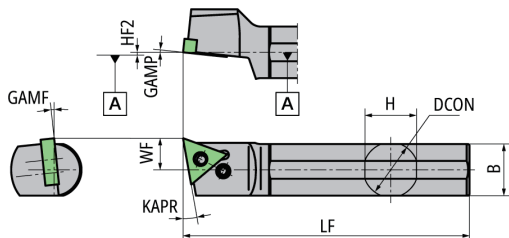
· Diagram shows left-hand tool
NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	DCON mm	GAMF °	GMAP °	H mm	HF2 mm	KAPR °	LF mm	L1 mm	WF mm	Insert Gage
5805650	DS-PTXL16-33-ACH	●	L	15	16	6	6	15.5	Type B(0~+0.3)	10	120	38	11	TN..1604..
5799689	DS-PTXL19-33-ACH	●	L	18	19.05	6	6	18	Type B(0~+0.3)	10	120	38	11	TN..1604..
5799697	DS-PTXL20-33-ACH	●	L	19	20	6	6	19	Type B(0~+0.3)	10	120	38	11	TN..1604..
5799705	DS-PTXL22-33-ACH	●	L	21	22	6	6	21	Type B(0~+0.3)	10	120	38	12	TN..1604..
5799713	DS-PTXL25-33-ACH	●	L	24	25.4	6	6	24	Type A(0~+0.2)	10	150	38	13	TN..1604..
5934039	DS-PTXL25-33MET-ACH	●	L	24	25	6	6	24	Type A(0~+0.2)	10	150	38	13	TN..1604..

Spare Parts

Item Number	Clamp screw	Screw (for Wedge)	Clamp Pin	Wedge	Wrench (for Wedge)
DS-PTXL16-33-ACH	LCS33	WS060415-003	LCL33N	ACH-W18	LW-2
DS-PTXL19-33-ACH	LCS33	WS060415-003	LCL33N	ACH-W18	LW-2
DS-PTXL20-33-ACH	LCS33	WS060419-004	LCL33N	ACH-W18	LW-2
DS-PTXL22-33-ACH	LCS33	WS060419-004	LCL33N	ACH-W18	LW-2
DS-PTXL25-33-ACH	LCS33	WS060419-004	LCL33N	ACH-W24	LW-2
DS-PTXL25-33MET-ACH	LCS33	WS060419-004	LCL33N	ACH-W24	LW-2

DS-PTX [100°] DS Toolholders



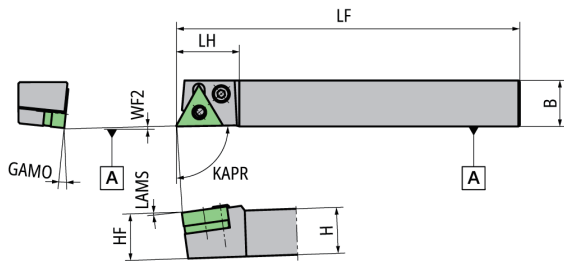
· Diagram shows left-hand tool
NOTE: Use a right-handed (R) or non-handed insert.

EDP	Item Number	Stock	Hand	B mm	DCON mm	GAMF °	GMAP °	H mm	HF2 mm	KAPR °	LF mm	L1 mm	WF mm	Insert Gage
5815766	DS-PTXL16-33	●	L	15	16	6	6	15	0	10	120	-	11	TN..1604..
5519707	DS-PTXL19-33	●	L	18	19.05	6	6	18	0	10	120	-	11	TN..1604..
5519715	DS-PTXL20-33	●	L	19	20	6	6	19	0	10	120	-	11	TN..1604..
5591029	DS-PTXL22-33	●	L	21	22	6	6	21	0	10	120	-	12	TN..1604..
5519699	DS-PTXL25M-33	●	L	24	25.4	6	6	24	0	10	150	-	13	TN..1604..

Spare Parts

Item Number	Clamp screw	Screw (for CNT)	Clamp Pin	Wedge	Wrench (for Clamp screw)
DS-PTXL16-33	LCS33	-	LCL33N	-	LW-2
DS-PTXL19-33	LCS33	-	LCL33N	-	LW-2
DS-PTXL20-33	LCS33	-	LCL33N	-	LW-2
DS-PTXL22-33	LCS33	-	LCL33N	-	LW-2
DS-PTXL25M-33	LCS33	-	LCL33N	-	LW-2

PTAN-N [91°]



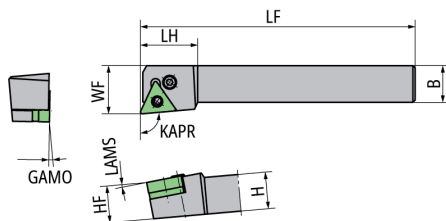
· Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LAMS °	LF mm	LH mm	WF2 mm	Insert Gage
5252325	PTANR1616X33N	●	R	16	16	16	91	6	120	22	0	TN..1604..

Spare Parts

Item Number	Shim	Clamp screw	Clamp Pin	Spring	Wrench (for Clamp screw)
PTANR1616X33N	LST317	LCS3	LCL3	LSP3	LW-2.5

PTLN [95°]



· Diagram shows right-hand tool

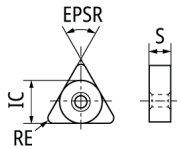
EDP	Item Number	Stock	Hand	B mm	H mm	HF mm	KAPR °	LAMS °	LF mm	LH mm	WF mm	Insert Gage
5552336	PTLNR2020L33	●	R	20	20	20	95	6	140	25	25	TN..1604..
5552344	PTLNL2020L33	●	L	20	20	20	95	6	140	25	25	TN..1604..

Spare Parts

Item Number	Shim	Clamp screw	Clamp Pin	Spring	Wrench (for Clamp screw)
PTLNR2020L33	LST317	LCS3	LCL3	LSP3	LW-2.5
PTLNL2020L33	LST317	LCS3	LCL3	LSP3	LW-2.5

TN.. series/Inserts Carbide

TN..



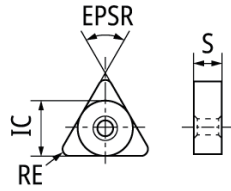
Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron									●
Non-Ferrous Material						○		○	●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide										
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD	CVD	Uncoated
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1	
(ISO)	°	mm	mm	°	mm	mm													
	TNGG160401MFNUL	Up-sharp edge	60	9.525	4.76	-	0.1	-	●	●		●	●						
	TNGG160402MFNUL	Up-sharp edge	60	9.525	4.76	-	0.2	-	●	●		●	●						
	TNGG160404MFNUL	Up-sharp edge	60	9.525	4.76	-	0.4	-	●	●		●	●						
	TNGG160408MFNUL	Up-sharp edge	60	9.525	4.76	-	0.8	-	●	●		●	●						
	TNGG160402FNZP	Up-sharp edge	60	9.525	4.76	-	0.2	-		●		●	●	●	●				
	TNGG160404FNZP	Up-sharp edge	60	9.525	4.76	-	0.4	-		●		●	●	●	●				
	TNGG160408FNZP	Up-sharp edge	60	9.525	4.76	-	0.8	-		●		●	●	●	●				
	TNMG160408G	-	60	9.525	4.76	-	0.8	-											●
	TNMG160412G	-	60	9.525	4.76	-	1.2	-											●
	TNMG160404T00525Z5	T00525	60	9.525	4.76	-	0.4	-		●		●							
	TNMG160408T00525Z5	T00525	60	9.525	4.76	-	0.8	-		●		●							
	TNEG160402FLD1	Up-sharp edge	60	9.525	4.76	-	0.2	-						●					
	TNEG160402FRD1	Up-sharp edge	60	9.525	4.76	-	0.2	-						●					
	TNEG160404FLD1	Up-sharp edge	60	9.525	4.76	-	0.4	-						●					
	TNEG160404FRD1	Up-sharp edge	60	9.525	4.76	-	0.4	-						●					
	TNEG160408FLD1	Up-sharp edge	60	9.525	4.76	-	0.8	-						●					
	TNEG160408FRD1	Up-sharp edge	60	9.525	4.76	-	0.8	-						●					
	TNGG160401FRU2	Up-sharp edge	60	9.525	4.76	-	0.1	-							●	●			
	TNGG160402FRU2	Up-sharp edge	60	9.525	4.76	-	0.2	-								●			
	TNGG160404FRU2	Up-sharp edge	60	9.525	4.76	-	0.2	-			●						●		
	TNGG160404FRU2	Up-sharp edge	60	9.525	4.76	-	0.4	-			●							●	
	TNGG160404FRU2	Up-sharp edge	60	9.525	4.76	-	0.4	-			●							●	
	TNGG160408FRU2	Up-sharp edge	60	9.525	4.76	-	0.8	-										●	
	TNGG160408FRU2	Up-sharp edge	60	9.525	4.76	-	0.8	-										●	
	TNGG160402FRC	Up-sharp edge	60	9.525	4.76	-	0.2	-											●
	TNGG160401FRDA	Up-sharp edge	60	9.525	4.76	-	0.1	-								●	●		

Front Turning

TN.. series/Inserts PCD / Diamond Coating

TNM.



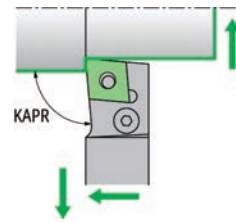
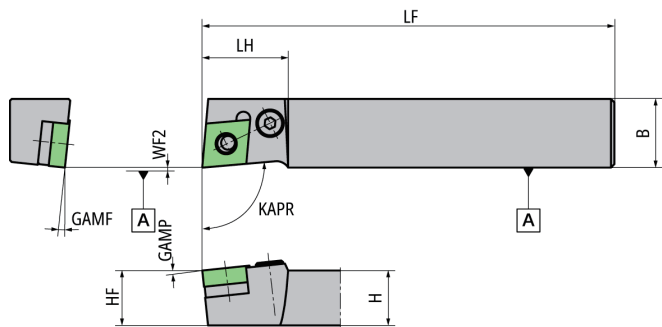
Steel			
Stainless Steel			
Cast Iron			
Non-Ferrous Material	●	●	●
Heat Resistant Alloy			
Hardened Material			
Others (non-metallic)			●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating UC1
									PD1	PD2	
	TNMX160404PF	Up-sharp edge	60	9.525	4.76	-	0.4	1		●	
	TNMX160408PF	Up-sharp edge	60	9.525	4.76	-	0.8	1		●	
	TNMG160402FNZP	Up-sharp edge	60	9.525	4.76	-	0.2	6			●
	TNMG160404FNZP	Up-sharp edge	60	9.525	4.76	-	0.4	6			●
	TNMG160408FNZP	Up-sharp edge	60	9.525	4.76	-	0.8	6			●

Front Turning

CN.. series/Toolholders

PCLN-N [95°]



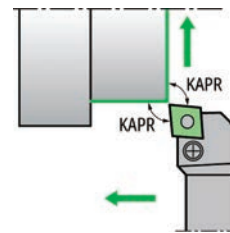
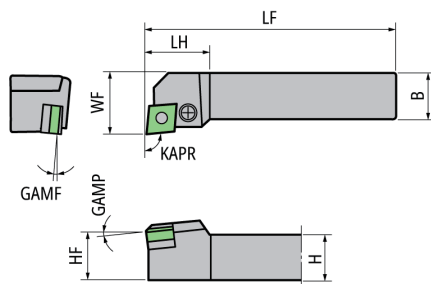
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	GAMF °	GMAP mm	H mm	HF mm	KAPR °	LF mm	LH mm	WF2 mm	Insert Gage
5259056	PCLNR1620X43N	●	R	20	6	6	16	16	95	120	25	0	CN..1204..

Spare Parts

Item Number	Shim	Clamp screw	Clamp Pin	Spring	Wrench (for Clamp screw)
PCLNR1620X43N	LSC42	LCS4CA	LCL4	LSP4	LW-3

PCLN [95°]



● Diagram shows right-hand tool

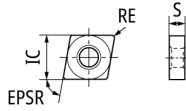
EDP	Item Number	Stock	Hand	B mm	GAMF °	GMAP mm	H mm	HF mm	KAPR °	LF mm	LH mm	WF mm	Insert Gage
5321997	PCLNR2020K43	●	R	20	6	6	20	20	95	125	28	25	CN..1204..
5322011	PCLNR2525M43	●	R	25	6	6	25	25	95	150	28	32	CN..1204..
5322003	PCLNL2020K43	●	L	20	6	6	20	20	95	125	28	25	CN..1204..
5322029	PCLNL2525M43	●	L	25	6	6	25	25	95	150	28	32	CN..1204..

Spare Parts

Item Number	Shim	Clamp screw	Clamp Pin	Spring	Wrench (for Clamp screw)
PCLNR2020K43	LSC42	LCS4	LCL4	LSP4	LW-3
PCLNR2525M43	LSC42	LCS4	LCL4	LSP4	LW-3
PCLNL2020K43	LSC42	LCS4	LCL4	LSP4	LW-3
PCLNL2525M43	LSC42	LCS4	LCL4	LSP4	LW-3

CN.. series/Inserts Carbide

CN..



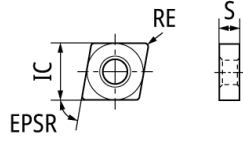
Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron									●
Non-Ferrous Material						○	○		●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Front Turning


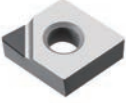
Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	BS mm	Carbide										
									PVD ST4	PVD DM4	PVD DT4	PVD QM3	PVD TM4	PVD VM1	PVD ZM3	CVD CP1	CVD CP7	Uncoated KM1	
	CNGG120404FNUL	Up-sharp edge	80	12.7	4.76	-	0.4	-		●		●	●						
	CNGG120408FNUL	Up-sharp edge	80	12.7	4.76	-	0.8	-		●		●	●						
	CNGG120404FNZP	Up-sharp edge	80	12.7	4.76	-	0.4	-		●		●				●			
	CNGG120408FNZP	Up-sharp edge	80	12.7	4.76	-	0.8	-		●		●				●			
	CNMG120408T00525Z5	T00525	80	12.7	4.76	-	0.8	-		●		●							
	CNMG120408G	-	80	12.7	4.76	-	0.8	-										●	
	CNMG120412G	-	80	12.7	4.76	-	1.2	-										●	
	CNMG120416G	-	80	12.7	4.76	-	1.6	-										●	

CN.. series/Inserts PCD / Diamond Coating

CNM.



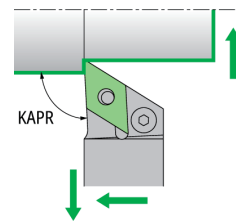
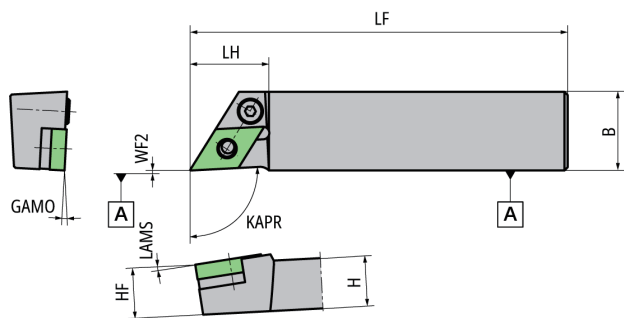
Steel			
Stainless Steel			
Cast Iron			
Non-Ferrous Material	●	●	●
Heat Resistant Alloy			
Hardened Material			
Others (non-metallic)			●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating
									PD1	PD2	UC1
	CNMG120404FNZP	Up-sharp edge	80	12.7	4.76	-	0.4	4			●
	CNMG120408FNZP	Up-sharp edge	80	12.7	4.76	-	0.8	4			●
	CNMX120404PF	Up-sharp edge	80	12.7	4.76	-	0.4	1		●	
	CNMX120408PF	Up-sharp edge	80	12.7	4.76	-	0.8	1		●	

Front Turning

DN.. series/Toolholder

PDJN-N [93°]



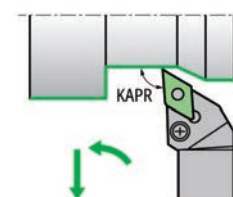
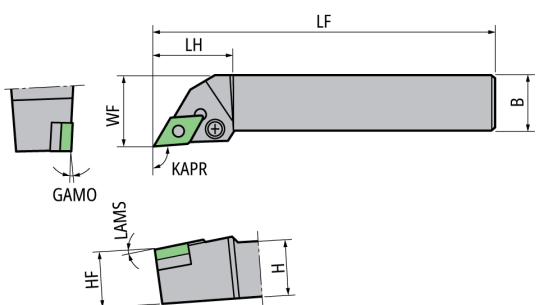
● Diagram shows right-hand tool

EDP	Item Number	Stock	Hand	B mm	GAMO °	H mm	HF mm	KAPR °	LAMS °	LF mm	LH mm	WF2 mm	Insert Gage
5259072	PDJNR1625X43N	●	R	25	6	16	16	93	6	120	25	0	DN..1504..

Spare Parts

Item Number	Shim	Clamp screw	Clamp Pin	Spring	Wrench (for Clamp screw)
PDJNR1625X43N	LSD42	LCS4CA	LCL4	LSP4	LW-3

PDJN [93°]



● Diagram shows right-hand tool

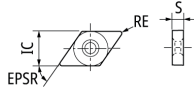
EDP	Item Number	Stock	Hand	B mm	GAMO °	H mm	HF mm	KAPR °	LAMS °	LF mm	LH mm	WF mm	Insert Gage
5322037	PDJNR2020K43	●	R	20	6	20	20	93	6	125	32	25	DN..1504..
5682463	PDJNR2525M43	●	R	25	6	25	25	93	6	150	32	32	DN..1504..
5322045	PDJNL2020K43	●	L	20	6	20	20	93	6	125	32	25	DN..1504..

Spare Parts

Item Number	Shim	Clamp screw	Clamp Pin	Spring	Wrench (for Clamp screw)
PDJNR2020K43	LSD42	LCS4	LCL4	LSP4	LW-3
PDJNR2525M43	LSD42	LCS4	LCL4	LSP4	LW-3
PDJNL2020K43	LSD42	LCS4	LCL4	LSP4	LW-3

DN.. series/Inserts Carbide

DN..

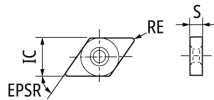


Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron									●
Non-Ferrous Material						○		○	●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	BS mm	Carbide												
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD	CVD	Uncoated		
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1			
	DNGG150404FNZP	Up-sharp edge	55	12.7	4.76	-	0.4	-		●	●										
	DNGG150408FNZP	Up-sharp edge	55	12.7	4.76	-	0.8	-		●	●										
	DNMG150408T00525Z5	T00525	55	12.7	4.76	-	0.8	-		●	●										
	DNMG150404TNG	T01025	55	12.7	4.76	-	0.4	-				●									
	DNMG150404G	-	55	12.7	4.76	-	0.4	-													
	DNMG150408G	-	55	12.7	4.76	-	0.8	-													●
	DNMG150412G	-	55	12.7	4.76	-	1.2	-													

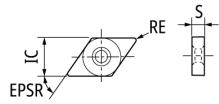
DN.. series/Inserts CBN

DNGA



Steel									
Stainless Steel									
Cast Iron		●	●	●	●			○	○
Non-Ferrous Material									
Heat Resistant Alloy									
Hardened Material									●
Others (non-metallic)									●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D2 mm	Length of edge	No. of edge	S1 mm	CBN																	
												PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD								
												B16	B22	B23	B30	B36	B6K	B40	B52	B5K									
	DNGA150402PQS01015	S01015	55	12.7	4.76	-	0.2	-	2.4	4	-																		
	DNGA150402PQS01325	S01325	55	12.7	4.76	-	0.2	-	2.4	4	-																		
	DNGA150402PQS01535	S01535	55	12.7	4.76	-	0.2	-	2.4	4	-																		
	DNGA150402PQT01020	T01020	55	12.7	4.76	-	0.2	-	2.4	4	-																		
	DNGA150404PDFNX	Up-sharp edge	55	12.7	4.76	-	0.4	-	2.2	2	-																		
	DNGA150404PQFNX	Up-sharp edge	55	12.7	4.76	-	0.4	-	2.2	4	-																		
	DNGA150404PQS01015	S01015	55	12.7	4.76	-	0.4	-	2.2	4	-																		
	DNGA150404PQS01020	S01020	55	12.7	4.76	-	0.4	-	2.2	4	-																		
	DNGA150404PQS01325	S01325	55	12.7	4.76	-	0.4	-	2.2	4	-																		
	DNGA150404PQS01535	S01535	55	12.7	4.76	-	0.4	-	2.2	4	-																		
	DNGA150404PQT01020	T01020	55	12.7	4.76	-	0.4	-	2.2	4	-																		
	DNGA150408PDFNX	Up-sharp edge	55	12.7	4.76	-	0.8	-	1.9	2	-																		
	DNGA150408PQFNX	Up-sharp edge	55	12.7	4.76	-	0.8	-	1.9	4	-																		
	DNGA150408PQS01015	S01015	55	12.7	4.76	-	0.8	-	1.9	4	-																		
	DNGA150408PQS01020	S01020	55	12.7	4.76	-	0.8	-	1.9	4	-																		
	DNGA150408PQS01325	S01325	55	12.7	4.76	-	0.8	-	1.9	4	-																		
	DNGA150408PQS01535	S01535	55	12.7	4.76	-	0.8	-	1.9	4	-																		
	DNGA150408PQT01020	T01020	55	12.7	4.76	-	0.8	-	1.9	4	-																		
	DNGA150412PDFNX	Up-sharp edge	55	12.7	4.76	-	1.2	-	2.6	2	-																		
	DNGA150412PQFNX	Up-sharp edge	55	12.7	4.76	-	1.2	-	2.6	4	-																		
	DNGA150412PQS01015	S01015	55	12.7	4.76	-	1.2	-	2.6	4	-																		
	DNGA150412PQS01020	S01020	55	12.7	4.76	-	1.2	-	2.6	4	-																		
	DNGA150412PQS01325	S01325	55	12.7	4.76	-	1.2	-	2.6	4	-																		
	DNGA150412PQS01535	S01535	55	12.7	4.76	-	1.2	-	2.6	4	-																		
	DNGA150412PQT01020	T01020	55	12.7	4.76	-	1.2	-	2.6	4	-																		



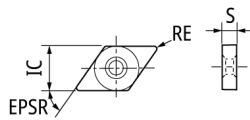
Steel
Stainless Steel
Cast Iron
Non-Ferrous Material
Heat Resistant Alloy
Hardened Material
Others (non-metallic)

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	D2 mm	Length of edge	No. of edge	S1 mm	CBN									
												B16 PVD	B22	B23	B30	B36	B6K PVD	B40	B52	B5K PVD	
	DNGA150416PQS01015	S01015	55	12.7	4.76	-	1.6	-	2.2	4	-										
	DNGA150416PQS01020	S01020	55	12.7	4.76	-	1.6	-	2.2	4	-										
	DNGA150416PQS01325	S01325	55	12.7	4.76	-	1.6	-	2.2	4	-										
	DNGA150416PQS01535	S01535	55	12.7	4.76	-	1.6	-	2.2	4	-										
	DNGA150416PQT01020	T01020	55	12.7	4.76	-	1.6	-	2.2	4	-										
	DNGA150420PQS01015	S01015	55	12.7	4.76	-	2	-	2.4	4	-										
	DNGA150420PQS01325	S01325	55	12.7	4.76	-	2	-	2.4	4	-										
	DNGA150420PQS01535	S01535	55	12.7	4.76	-	2	-	2.4	4	-										

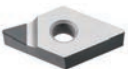
Front Turning

DN.. series/Inserts PCD

DNMX



Steel
Stainless Steel
Cast Iron
Non-Ferrous Material
Heat Resistant Alloy
Hardened Material
Others (non-metallic)

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating
									PD1	PD2	UC1
	DNMX150404PF	Up-sharp edge	55	12.7	4.76	-	0.4	1			●
	DNMX150408PF	Up-sharp edge	55	12.7	4.76	-	0.8	1			●