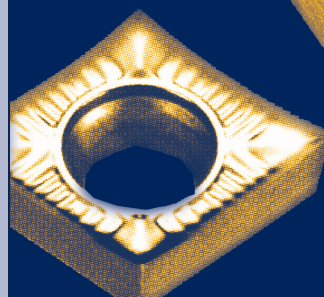
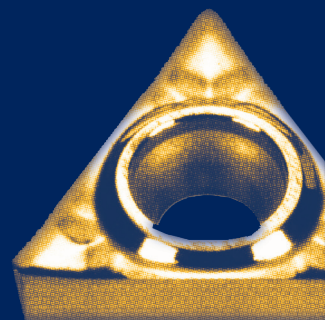


Turning Tools

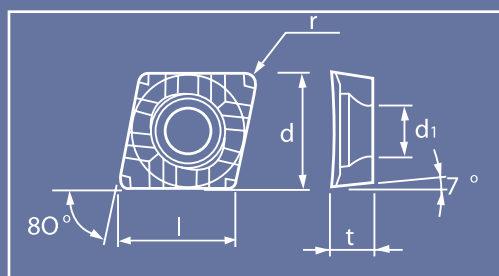
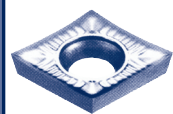


COMBIDEX[®]

Ordering Code Specifications	Page	Ordering Code Specifications	Page
POSITIVE TURNING INSERTS CA(P)		NEGATIVE TURNING INSERTS HA(P)	
• CCGT	4	• CNMG	6
• DCGT	4	• DNMG	6
• TCGT	5	• SNMG	6
• VCGT	5	• TNMG	7
		• WNMG	7
POSITIVE EXTERNAL TOOLHOLDERS		NEGATIVE EXTERNAL TOOLHOLDERS	
• SCLCR/L	8	• PCLNR/L	12
• SDJCR/L	9	• PDJNR/L	12
• SDNCN	9	• PSSNR/L	13
• STFCR/L	10	• PTGNR/L	13
• STGCR/L	10	• PWLNR/L	14
• SVJCR/L	11		
• SVVCN	11		
POSITIVE INTERNAL TOOLHOLDERS		NEGATIVE INTERNAL TOOLHOLDERS	
• S...SCLCR/L	15	• S...PCLNR/L	23
• A...SCLCR/L (Internal Coolant)	15	• S...PDUNR/L	23
• E...SCLCR/L (Solid Carbide Int. Coolant)	16	• S...PSKNR/L	24
• S...SDQCR/L	17	• S...PTFNR/L	24
• A...SDQCR/L (Internal Coolant)	17	• S...PWLNR/L	24
• E...SDQCR/L (Solid Carbide Int. Coolant)	18		
• S...SDUCR/L	19	Cutting Conditions	25
• A...SDUCR/L (Internal Coolant)	19		
• E...SDUCR/L (Solid Carbide Int. Coolant)	20		
• S...STFCR/L	21		
• E...STFCR/L (Solid Carbide Int. Coolant)	21		
• S...SVQCR/L	22		
• S...SVUCR/L	22		

CCGT
Turning Inserts

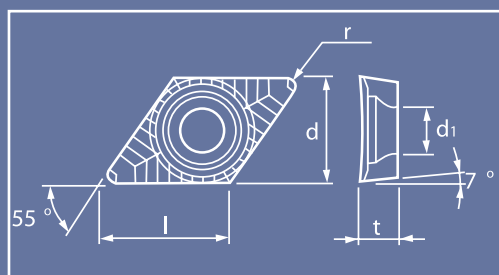
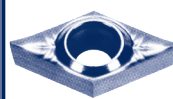
Insert

CAP K10 = Polished
CA PA40 = CoatedIn Stock = •
On Request = -

l	d	t	r	d1	K10	PA40	•/-	Ordering code
6.5	6.35	2.38	0.2	2.8	CAP	CA	•	CCGT 060202
↓	↓	↓	0.4	↓	CAP	CA	•	CCGT 060204
↓	↓	↓	0.8	↓	CAP	CA	•	CCGT 060208
9.7	9.525	3.97	0.2	4.4	CAP	CA	•	CCGT 09T302
↓	↓	↓	0.4	↓	CAP	CA	•	CCGT 09T304
↓	↓	↓	0.8	↓	CAP	CA	•	CCGT 09T308
12.9	12.7	4.76	0.2	5.5	CAP	CA	•	CCGT 120402
↓	↓	↓	0.4	↓	CAP	CA	•	CCGT 120404
↓	↓	↓	0.8	↓	CAP	CA	•	CCGT 120408

DCGT
Turning Inserts

Insert

CAP K10 = Polished
CA PA40 = CoatedIn Stock = •
On Request = -

l	d	t	r	d1	K10	PA40	•/-	Ordering code
7.8	6.35	2.38	0.2	2.8	CAP	CA	•	DCGT 070202
↓	↓	↓	0.4	↓	CAP	CA	•	DCGT 070204
↓	↓	↓	0.8	↓	CAP	CA	•	DCGT 070208
11.6	9.525	3.97	0.2	4.4	CAP	CA	•	DCGT 11T302
↓	↓	↓	0.4	↓	CAP	CA	•	DCGT 11T304
↓	↓	↓	0.8	↓	CAP	CA	•	DCGT 11T308
↓	↓	↓	1.2	↓	CAP	CA	•	DCGT 11T312

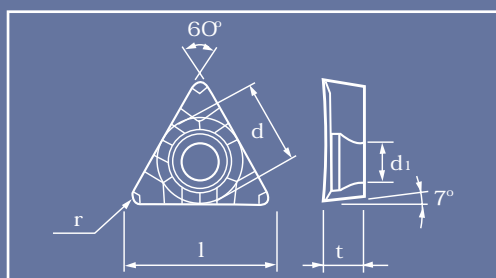
Turning Tools

CAP K10 = Polished
CA PA40 = Coated

In Stock = •
On Request = -

Ordering code

•/-



K10

PA40

l

d

t

TCGT
Turning Inserts

Insert



r

d1

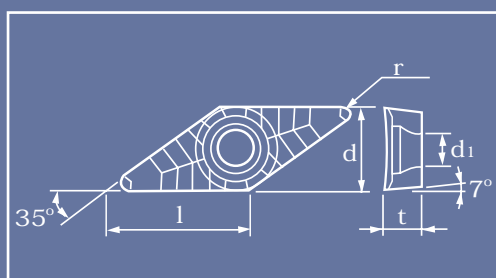
TCGT 110202	•	CAP	CA	11.0	6.35	2.38	0.2	2.8
TCGT 110204	•	CAP	CA	↓	↓	↓	0.4	↓
TCGT 110208	•	CAP	CA	↓	↓	↓	0.8	↓
TCGT 16T302	•	CAP	CA	16.5	9.525	3.97	0.2	4.4
TCGT 16T304	•	CAP	CA	↓	↓	↓	0.4	↓
TCGT 16T308	•	CAP	CA	↓	↓	↓	0.8	↓
TCGT 16T312	-	CAP	CA	↓	↓	↓	1.2	↓
TCGT 16T316	-	CAP	CA	↓	↓	↓	1.6	↓

CAP K10 = Polished
CA PA40 = Coated

In Stock = •
On Request = -

Ordering code

•/-



K10

PA40

l

d

t

VCGT
Turning Inserts

Insert

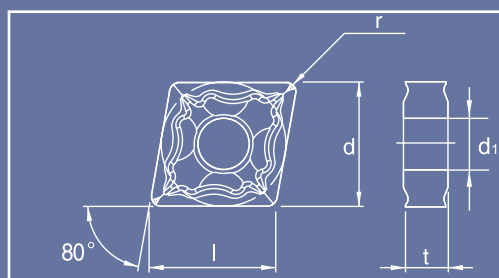
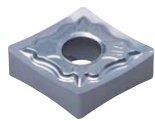


r

d1

VCGT 110302	•	CAP	CA	11.0	6.35	3.18	0.2	2.8
VCGT 110304	•	CAP	CA	↓	↓	↓	0.4	↓
VCGT 110308	•	CAP	CA	↓	↓	↓	0.8	↓
VCGT 130302	•	CAP	CA	13.8	7.94	3.18	0.2	3.4
VCGT 130304	•	CAP	CA	↓	↓	↓	0.4	↓
VCGT 160402	•	CAP	CA	16.5	9.525	4.76	0.2	4.4
VCGT 160404	•	CAP	CA	↓	↓	↓	0.4	↓
VCGT 160408	•	CAP	CA	↓	↓	↓	0.8	↓
VCGT 160412	•	CAP	CA	↓	↓	↓	1.2	↓
VCGT 220525	-	CAP	CA	22.1	12.7	5.56	2.5	5.6
VCGT 220530	-	CAP	CA	↓	↓	↓	3.0	↓

CNMG
Turning Inserts

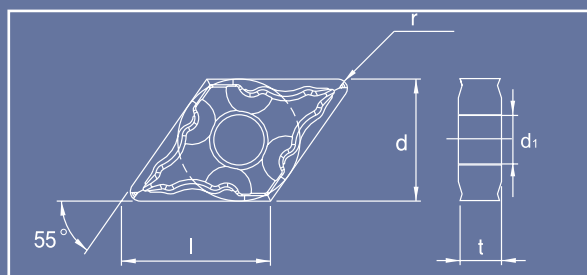
Insert


HAP K10 = Polished

In Stock = •
On Request = -

l	d	t	r	d1	K10	•/-	Ordering code
12.9	12.7	4.76	0.4	5.16	HAP	•	CNMG 120404
↓	↓	↓	0.8	↓	HAP	•	CNMG 120408
↓	↓	↓	1.2	↓	HAP	•	CNMG 120412

DNMG
Turning Inserts

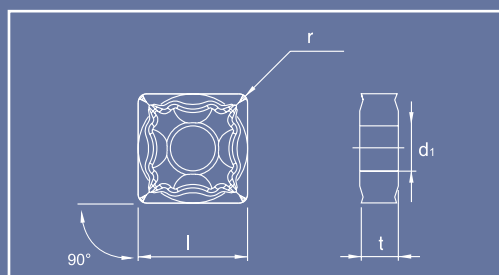
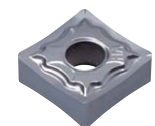
Insert


HAP K10 = Polished

In Stock = •
On Request = -

l	d	t	r	d1	K10	•/-	Ordering code
15,5	12.7	6.35	0.4	5.16	HAP	•	DNMG 150604
↓	↓	↓	0,8	↓	HAP	•	DNMG 150608

SNMG
Turning Inserts

Insert


HAP K10 = Polished

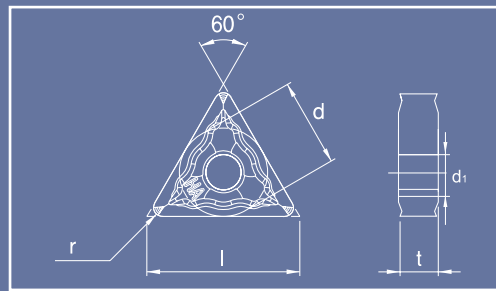
In Stock = •
On Request = -

l	d	t	r	d1	K10	•/-	Ordering code
12.7	12.7	4.76	0.4	5.16	HAP	•	SNMG 120404
↓	↓	↓	0.8	↓	HAP	•	SNMG 120408
↓	↓	↓	1.2	↓	HAP	•	SNMG 120412

Turning Tools

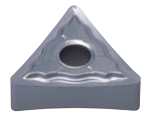
HAP K10 = Polished

In Stock = •
On Request = -



TNMG
Turning Inserts

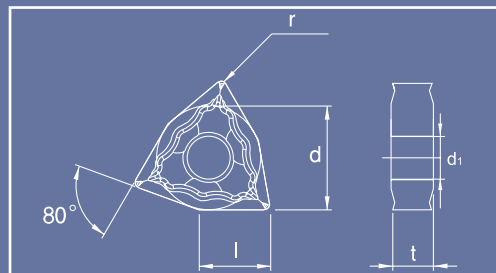
Insert



Ordering code	•/-	K10	l	d	t	r	d1
TNMG 160404	•	HAP	16.5	9.525	4.76	0.4	3.8
TNMG 160408	•	HAP	↓	↓	↓	0.8	↓

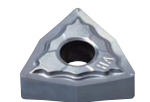
HAP K10 = Polished

In Stock = •
On Request = -



WNMG
Turning Inserts

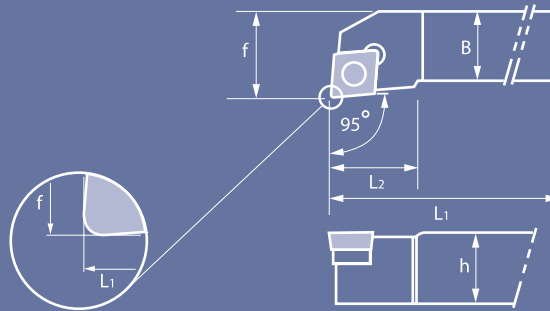
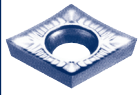
Insert



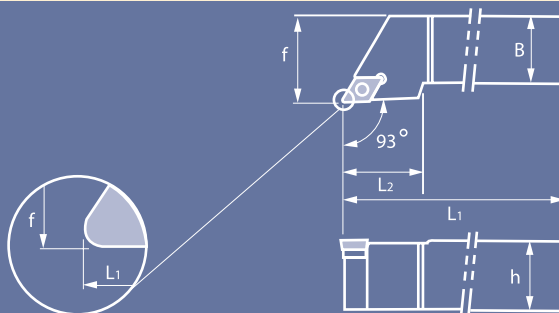
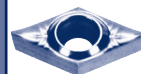
Ordering code	•/-	K10	l	d	t	r	d1
WNMG 060404	•	HAP	6.52	9.525	4.76	0.4	3.81
WNMG 060408	•	HAP	▼	▼	▼	0.8	▼
WNMG 080404	•	HAP	8.7	12.7	4.76	0.4	5.16
WNMG 080408	•	HAP				0.8	
WNMG 080412	•	HAP	▼	▼	▼	1.2	▼

SCLCR/L
External Toolholder

Insert

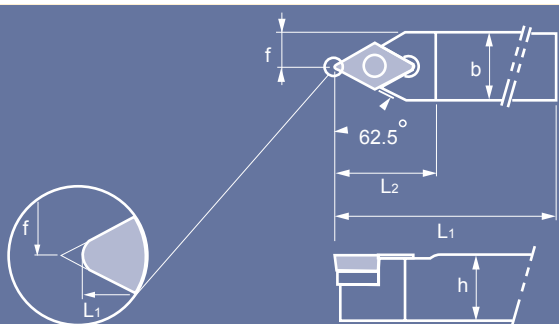
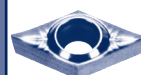


h	b	L ₁	L ₂	f	Insert					Ordering Code
8	8	60	10	10	CCGT 0602...			FTKA 02565	CT 07	SCLCR/L 0808.D06
10	10	70	10	12				↓	↓	SCLCR/L 1010.E06
12	12	80	15	16	CCGT 09T3...			FTGA 03508	CT 15	SCLCR/L 1212.F09
16	16	100	15	20				↓	↓	SCLCR/L 1616.H09
20	20	125	17	25				↓	↓	SCLCR/L 2020.K09
20	20	125	20	25	CCGT 12...	SC 42 S	SHXN 0610 F	FTGA 0411 F	CT 15	SCLCR/L 2020.K12
25	25	150	21	32		↓	↓	↓	↓	SCLCR/L 2525.M12

SDJCR/L
External Toolholder
Insert

Ordering code

Insert
h
b
L₁
L₂
f

SDJCR/L 0808.D07			FTKA 02565	CT 07	DCGT 0702...	8	8	60	14	10
SDJCR/L 1010.E07						10	10	70	14	12
SDJCR/L 1212.E07						12	12	80	14	16
SDJCR/L 1212.F11			FTGA 03512	CT 15	DCGT 11T3...	12	12	80	21	16
SDJCR/L 1616.H11						16	16	100	21	20
SDJCR/L 2020.K11	SD 32 S	SHXN 0509 F	FTGA 03512	CT 15	DCGT 11T3...	20	20	125	22	25
SDJCR/L 2525.M11						25	25	150	24	32

SDNCN
External Toolholder
Insert

Ordering code

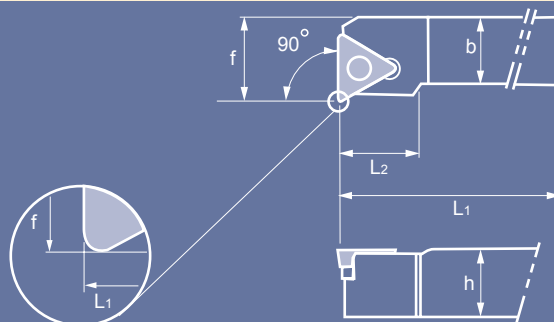
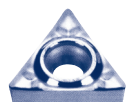
Insert
h
b
L₁
L₂
f

SDNCN 0808.D07			FTKA 02565	CT 07	DCGT 0702...	8	8	60	9	4,0
SDNCN 1010.E07						10	10	70	11	5,0
SDNCN 1212.F07						12	12	80	13	6,0
SDNCN 1212.F11			FTGA 03512	CT 15	DCGT 11T3...	12	12	80	12	6,0
SDNCN 1616.H11						16	16	100	16	8,0
SDNCN 2020.K11	SD 32 S	SHXN 0509 F	FTGA 03512	CT 15	DCGT 11T3...	20	20	125	20	10,0
SDNCN 2525.M11						25	25	150	25	12,5

STFCR/L

External Toolholder

Insert

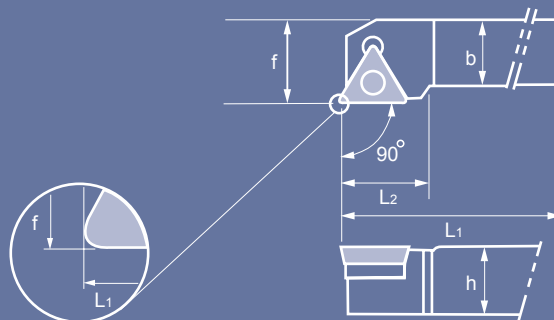
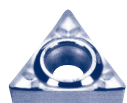


h	b	L ₁	L ₂	f	Insert					Ordering Code
12	12	80	18	16	TCGT 1102...		FTKA 02565	CT 07		STFCR/L 1212.F11
16	16	100	22	20			↓	↓		STFCR/L 1616.H11
20	20	125	22	25	TCGT 16T3...	ST 32 S	SHXN 0509 F	FTGA 03512	CT 15	STFCR/L 2020.K16
25	25	150	22	32		↓	↓	↓	↓	STFCR/L 2525.M16

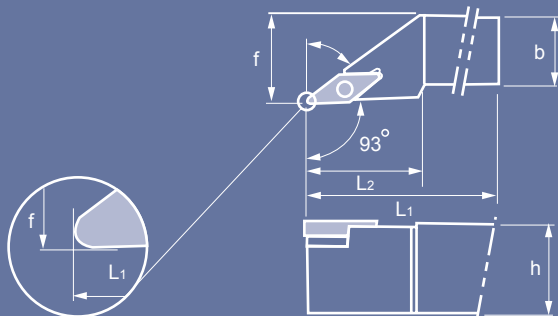
STGCR/L

External Toolholder

Insert

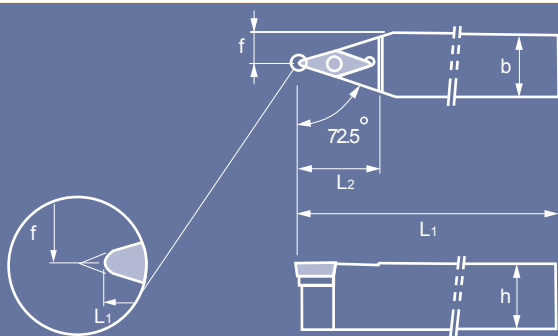


h	b	L ₁	L ₂	f	Insert					Ordering Code
12	12	80	18	16	TCGT 1102...		FTKA 02565	CT 07		STGCR/L 1212.F11
16	16	100	22	20			↓	↓		STGCR/L 1616.H11
20	20	125	22	25	TCGT 16T3...	ST 32 S	SHXN 0509F	FTGA 03512	CT 15	STGCR/L2020.K16
25	25	150	22	32		↓	↓	↓	↓	STGCR/L.2525.M16

SVJCR/L
External Toolholder
Insert

Ordering code

Insert
h
b
L₁
L₂
f

SVJCR/L 1212.F11			FTKA 02565	CT 07	VCGT 1103...	12	12	80	24	16
SVJCR/L 1616.H11						16	16	100	24	20
SVJCR/L 2020.K11						20	20	125	24	25
SVJCR/L 2525.M11						25	25	150	27	32
SVJCR/L 2020.K16	SV 32 S	SHXN 0509 F	FTGA 03512	CT 15	VCGT 1604...	20	20	125	30	25
SVJCR/L 2525.M16						25	25	150	33	32
SVJCR/L 3225.P16						32	25	170	41	32

SVVCN
External Toolholder
Insert

Ordering code

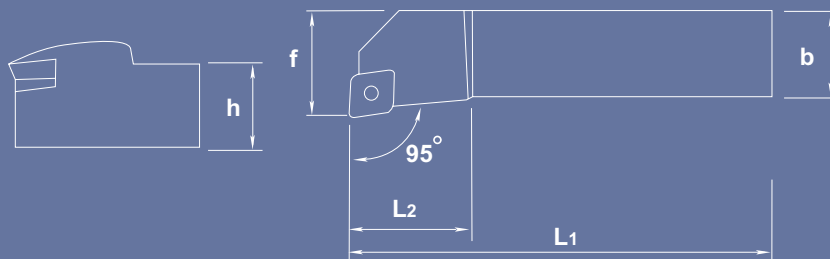
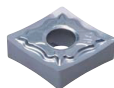
Insert
h
b
L₁
L₂
f

SVVCN 1212.F11			FTKA 02565	CT 07	VCGT 1103...	12	12	80	26	8
SVVCN 1616.H11						16	16	100	26	8
SVVCN 2020.K11						20	20	125	32	10
SVVCN 2525.M11						25	25	150	40	12,5
SVVCN 2020.K16	SV 32 S	SHXN 0509 F	FTGA 03512	CT 15	VCGT 1604...	20	20	125	34	10
SVVCN 2525.M16						25	25	150	42	12,5
SVVCN 3225.P16						32	25	170	42	12,5

PCLNR/L

External Toolholder

Insert

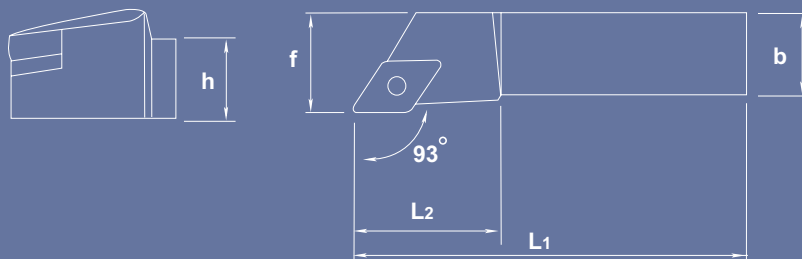


h	b	L1	L2	f	Insert					Ordering Code
16	16	100	26	20	CNMM/G 1204..					PCLN R/L 1616 H12
20	20	125	28	25						PCLN R/L 2020 K12
25	25	150	28	32						PCLN R/L 2525 M12
32	25	170	28	32						PCLN R/L 3225 P12
32	32	170	28	40						PCLN R/L 3232 P12
25	25	150	34	32	CNMM/G 1606..					PCLN R/L 2525 M16
32	25	170	34	32						PCLN R/L 3225 P16
32	32	170	34	40						PCLN R/L 3232 P16
40	40	250	34	50						PCLN R/L 4040 S16
25	25	150	42	32	CNMM/G 1906..					PCLN R/L 2525 M19
32	25	170	42	32						PCLN R/L 3225 P19
32	32	170	42	40						PCLN R/L 3232 P19
40	40	250	43	50						PCLN R/L 4040 S19
40	40	250	45	50	CNMM/G 2507..					PCLN R/L 4040 S25
50	50	300	45	60						PCLN R/L 5050 T25

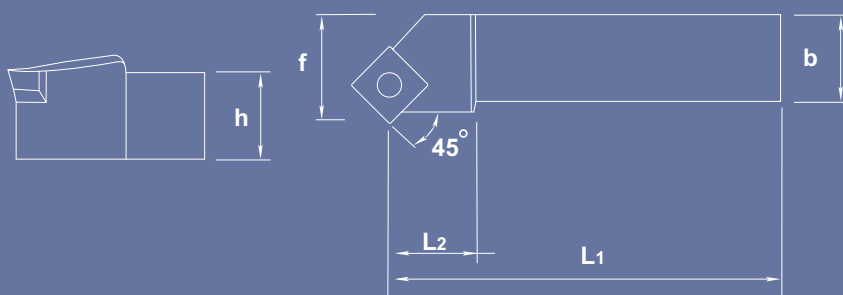
PDJNR/L

External Toolholder

Insert

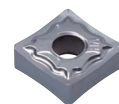


h	b	L1	L2	f	Insert					Ordering Code
16	16	100	28	20	DNMM/G 1104..					PDJN R/L 1616 H11
20	20	125	28	25						PDJN R/L 2020 K11
25	25	150	28	32						PDJN R/L 2525 M11
32	25	170	28	32						PDJN R/L 3225 P11
20	20	125	34	25	DNMM/G 1506..					PDJN R/L 2020 K15
25	25	150	34	32						PDJN R/L 2525 M15
32	25	170	34	32						PDJN R/L 3225 P15
32	32	170	34	40						PDJN R/L 3232 P15
40	25	200	34	32						PDJN R/L 4025 R15
50	32	250	34	40						PDJN R/L 5032 S15

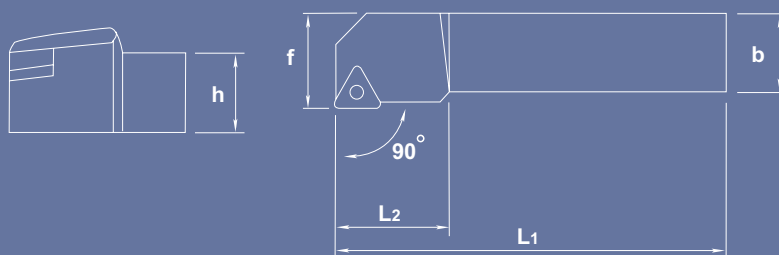


PSSNR/L
External Toolholder

Insert

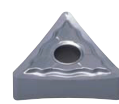


Ordering code					Insert	h	b	L ₁	L ₂	f
PSSN R/L 2020 K12					SNMM/G 1204..	20	20	125	28	25
PSSN R/L 2525 M12						25	25	150	28	32
PSSN R/L 3225 P12						32	25	170	28	32
PSSN R/L 2525 M15					SNMM/G 1506..	25	25	150	34	32
PSSN R/L 3232 P15						32	32	170	34	40
PSSN R/L 3232 P19					SNMM/G 1906..	32	32	170	42	40
PSSN R/L 4040 S19						40	40	250	45	50
PSSN R/L 5050 T19						50	50	300	45	60
PSSN R/L 4040 S25					SNMM/G 2507..	40	40	250	45	50
PSSN R/L 5050 T25						50	50	300	45	60

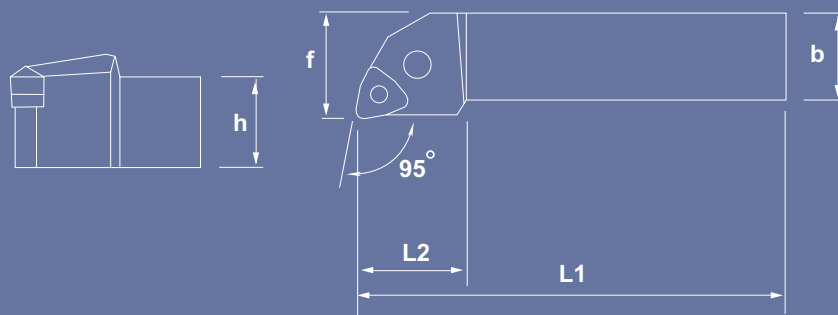


PTGNR/L
External Toolholder

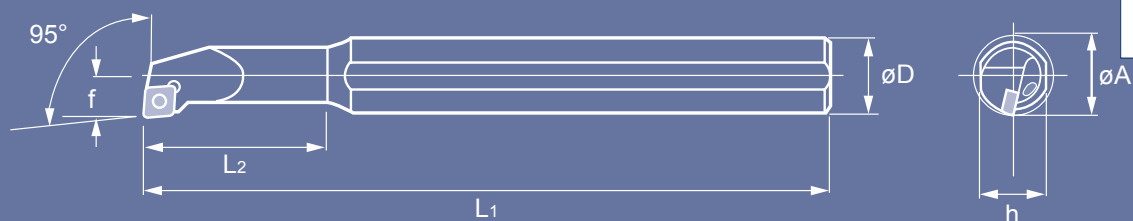
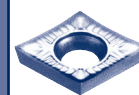
Insert



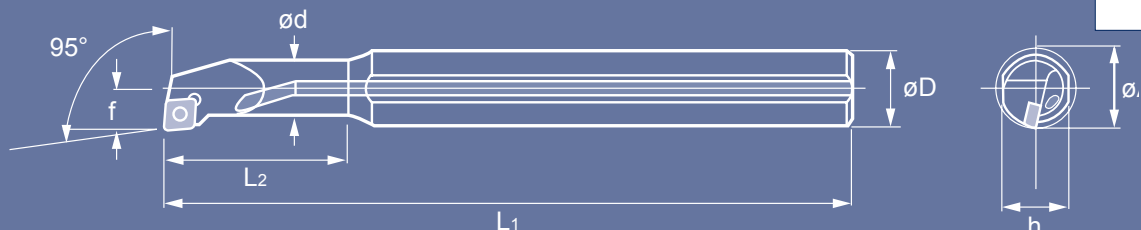
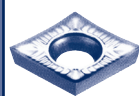
Ordering code					Insert	h	b	L ₁	L ₂	f
PTGN R/L 1616 H16					TNMM/G 1604..	100	22	20	16	16
PTGN R/L 2020 K16						125	22	25	20	20
PTGN R/L 2525 M16						150	22	32	25	25
PTGN R/L 3225 P16						170	22	32	32	25
PTGN R/L 2525 M22					TNMM/G 2204..	150	28	32	25	25
PTGN R/L 3225 P22						170	28	32	32	25
PTGN R/L 3232 P22						170	28	40	32	32
PTGN R/L 4040 S22						250	34	50	40	40
PTGN R/L 3232 P27					TNMM/G 2706..	170	42	40	32	32
PTGN R/L 4040 S27						250	45	50	40	40

PWLNR/L
External Toolholder


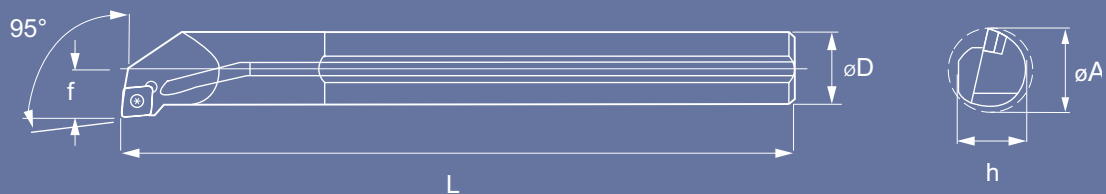
h	b	L1	L2	f	Insert					Ordering Code
16	16	100	15	20	WNMM/G 0604..					PWLN R/L 1616 H06
20	20	125	25	25						PWLN R/L 2020 K06
25	25	150	25	32						PWLN R/L 2525 M06
20	20	125	34	25	WNMM/G 0804..					PWLN R/L 2020 K08
25	25	150	34	32						PWLN R/L 2525 M08
32	25	170	34	32						PWLN R/L 3225 P08
32	32	170	34	40						PWLN R/L 3232 P08

Turning Tools
S...SCLCR/L
A...SCLCR/L
S...SCLCR/L
Internal Toolholder
Insert


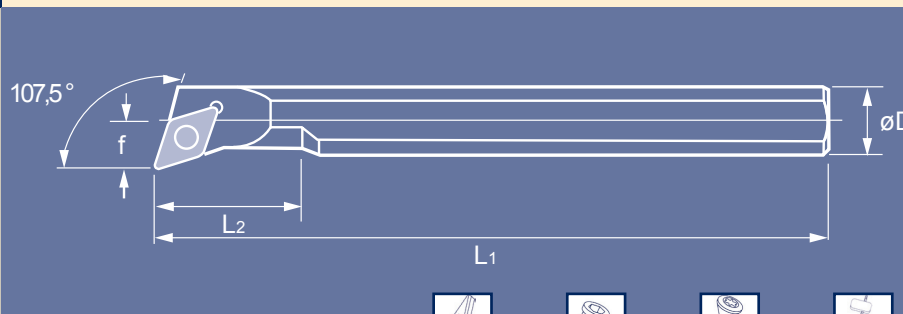
Ordering Code	Insert					L ₁	L ₂	f	h	øD	øA
S08K SCLC R/L 06	CC..T 0602..	-	-	FTGA 02565	CT08	125	16	5	7	8	11
S10M SCLC R/L 06						150	25	7	9	10	13
S12M SCLC R/L 06						150	25	9	11	12	16
S12M SCLC R/L 09	CC..T 09T3...	-	-	FTGA 03508	CT 15	180	25	9	11	12	16
S16R SCLCR/L.09						200	30	11	15	16	20
S20S SCLCR/L.09						250	35	13	18	20	24
S25T SCLCR/L.12	CC..T 1204...	SC 42 S	SHXN 0610 F-	FTGA 0411 F	CT20	300	40	17	23	25	31
S32U SCLCR/L.12						350	50	22	30	32	39
S40V SCLCR/L.12						400	60	27	37	40	48
S50W SCLCR/L.12						450	65	35	47	50	61

With internal coolant
A...SCLCR/L
Internal Toolholder
Insert


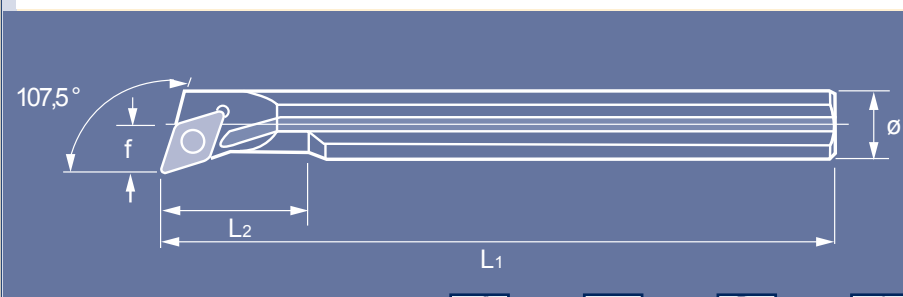
Ordering Code	Insert					L ₁	L ₂	f	h	øD	ød	øA
A0608H-SCLCR/L.06	CC..T 0602...	-	-	VT25	CT 08	100	26	4	7	8	6	8,5
A0810H-SCLCR/L.06						100	32	6	9	10	8	12
A1012K-SCLCR/L.06						125	40	7	11	12	10	14
A1216M-SCLCR/L.06						150	52	9	15	16	12	18

E...SCLCR/L
Internal Toolholder


L	f	h	øD	øA	Insert					Ordering Code
125	5	7,5	8	10	CC..T 0602...			VT2506	CT 08	E08K-SCLCR/L.06
150	6	9,5	10	12						E10M-SCLCR/L.06
180	9	11,5	12	16						E12Q-SCLCR/L.06
180	9	11,5	12	16	CC..T 09T3...			VT3508	CT 15	E12Q-SCLCR/L.09
200	11	15,5	16	20						E16R-SCLCR/L.09
250	13	19	20	25						E20S-SCLCR/L.09
300	17	24	25	32	CC..T 1204...			VT3512	CT15	E25T-SCLCR/L.12

						 S...SDQCR/L Internal Toolholder  Insert					
Ordering Code	Insert					L ₁	L ₂	f	h	øD	øA
S10MSDQCR/L.07	DC..T 0702..	-	-	FTKA 02565	CT 07	150	25	7	9	10	13
S12MSDQCR/L.07						150	25	9	11	12	16
S16R SDQCR/L.07						200	30	11	15	16	20
S20S SDQCR/L.07						250	35	13	18	20	24
S25T SDQCR/L.11	DC..T 11T3..	-	-	FTGA 03510	CT 15	300	40	17	23	25	31
S32U SDQCR/L.11			SD32S	SHXN 0509 F	FTGA 03512	350	50	22	30	32	39
S40V SDQCR/L.11						400	60	27	37	40	48

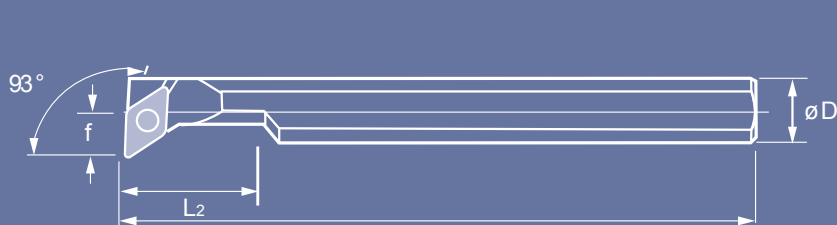
With internal coolant

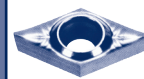
						 A...SDQCR/L Internal Toolholder  Insert					
Ordering Code	Insert					L ₁	L ₂	f	h	øD	øA
A0810H SDQCR/L.07	DC..T 0702..	-	-	VT 25	CT 08	100	22	7	9	10	12,5
A1012K SDQCR/L.07						125	28	9	11	12	15,5
A1216M SDQCR/L.07						150	36	11	15	16	19,5

E...SDQCR/L Internal Toolholder



L	f	h	øD	øA	Insert					Ordering Code
125	6	7,5	8	12	DC..T 0702..			VT 2506	CT 08	E08K-SDQCR/L.07
150	7	9,5	10	13						E10M-SDQCR/L.07
180	9	11,5	12	16						E12Q-SDQCR/L.07
200	11	15,5	16	20						E16R-SDQCR/L.07
200	11	15,5	16	20	DC..T 11T3..			VT 3508	CT15	E16R-SDQCR/L.11
250	13	19	20	25						E20S-SDQCR/L.11
300	17	24	25	32						


S...SDUCR/L
Internal Toolholder

Insert


Ordering code	Insert					L1	L2	f	h	øD	øA
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S10M SDUCR/L 07	DC..T 0702..	-	-	-	-	150	25	7	9	10	13
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S12M SDUCR/L 07						150	25	9	11	1	16
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S16R SDUCR/L 07				FTKA 02565	CT 07	200	30	11	15	16	20
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S20S SDUCR/L.11	DC..T 11T3..			FTGA 04020	CT 15	250	35	13	18	20	24
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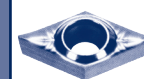
S25T SDUCR/L.11				↓	↓	300	40	17	23	25	31.
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S32U SDUCR/L.11		SD32S	SHXN 0509	FTGA 03512	CT 20	350	50	22	30	32	39
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S40V SDUCR/L.11		↓	↓	↓	↓	400	60	27	37	40	48
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With internal coolant

A...SDUCR/L
Internal Toolholder

Insert


Ordering code	Insert					L1	L2	f	h	øD	øA
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A0810H SDUCR/L.07	DC..T 0702..	-	-	VT 25	CT 08	100	22	7	9	10	12,5
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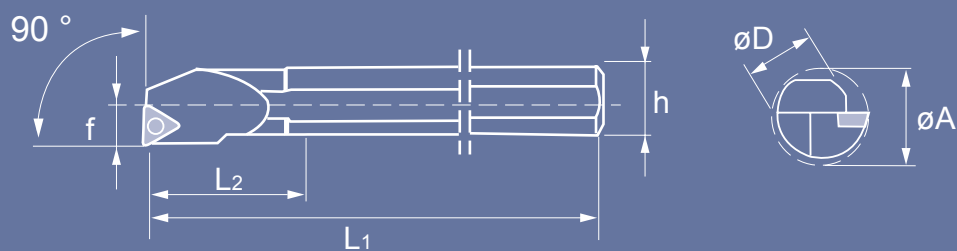
A1012K SDUCR/L.07				↓	↓	125	28	9	11	12	15,5
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A1216M SDUCR/L.07				↓	↓	150	36	11	15	16	19,5
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E...SDUCR/L Internal Toolholder

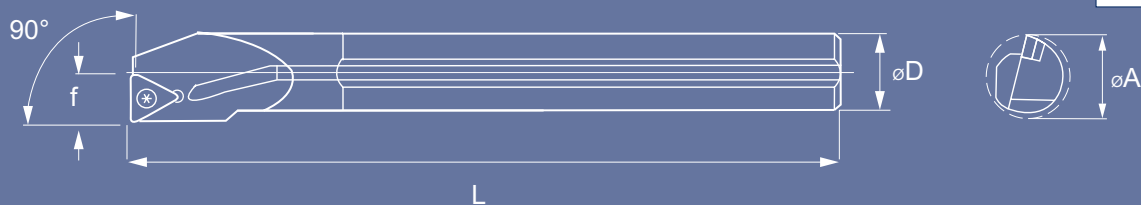


L	f	h	øD	øA	Insert					Ordering Code
125	6	7,5	8	12	DC..T 0702	-	-	VT2506	CT08	E08K-SDUCR/L.07
150	7	9,5	10	13						E10M-SDUCR/L.07
180	9	11,5	12	16						E12Q-SDUCR/L.07
200	11	15,5	16	20						E16R-SDUCR/L.07
200	11	15,5	16	20	DC..T 11T3	-	-	VT3508	CT15	E16R-SDUCR/L.11
250	13	19	20	25						E20S-SDUCR/L.11
300	17	24	25	32						E25T-SDUCR/L.11


S...STFCR/L
Internal Toolholder


Ordering code	Insert					L ₁	L ₂	f	h	ø D	ø A
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S12M-STFCR/L.11	TC..T 1102	-	-	FTKA 02565	CT07	150	25	9	11	12	16
S16R-STFCR/L.16	TC..T 16T3	-	-	FTKGA 03512	CT15	200	30	11	15	16	20
S20S-STFCR/L.16						250	35	13	18	20	24
S25T-STFCR/L.16						300	40	17	23	25	31
S32U-STFCR/L.16						350	50	22	30	32	39

Solid Carbide with internal coolant

E...STFCR/L
Internal Toolholder


Ordering code	Insert					L ₁	f	h	ø D	ø A
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E10M-STFCR/L.09	TC..T 0902..	-	-	VT2245	CT06	150	7	9.5	10	13
E12Q-STFCR/L.11	TC..T 1102..	-	-	VT2506	CT08	180	8	11.5	12	16
E16R-STFCR/L.16	TC..T 16T3..	-	-	VT3508	CT15	200	10	15.5	16	20
E20S-STFCR/L.16						250	12	19	20	24

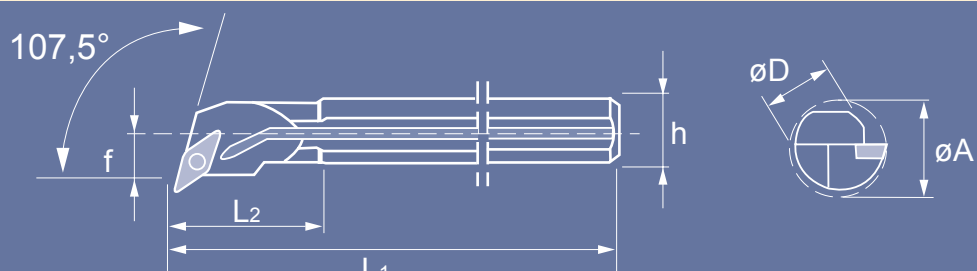
A...SVQCR/L

A...SVUCR/L

With internal coolant

Turning Tools

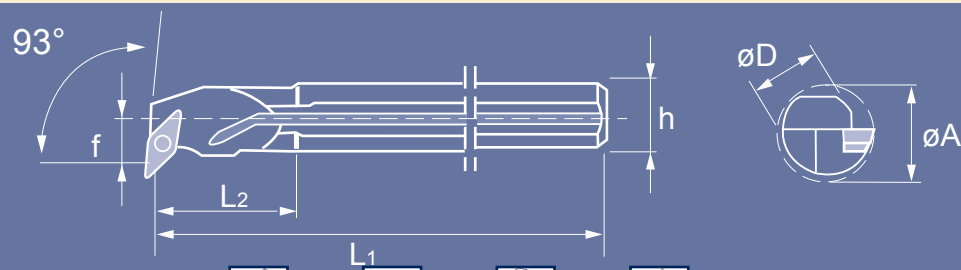
A...SVQCR/L
Internal Toolholder



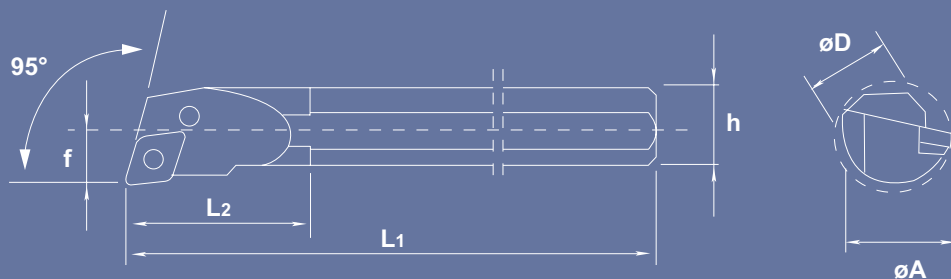
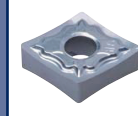
L ₁	L ₂	f	h	Ø D	Ø A	Insert					Ordering Code
150	-	11	15,25	16	20	VCGT 1103...			FTKA 02565	CT07	A16M SVQCR/L.11
180	-	13	19,00	20	25				↓	↓	A20Q SVQCR/L.11
200	-	17	24,00	25	32	VCGT 1604...			FTGA 03512	CT15	A25R SVQCR/L.16
250	-	22	31,00	32	40				↓	↓	A32S SVQCR/L.16

With internal coolant

A...SVUCR/L
Internal Toolholder

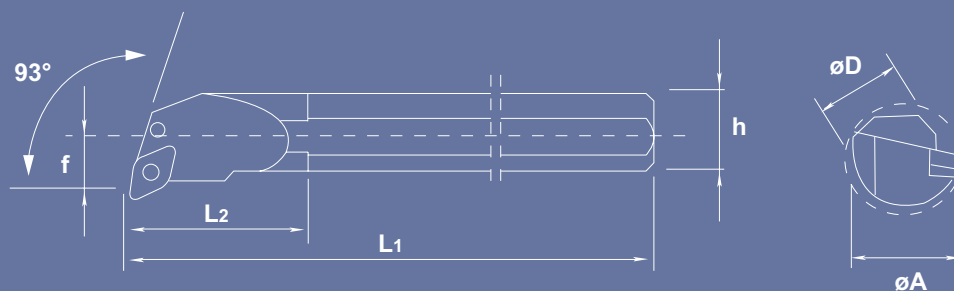
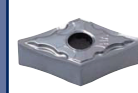


L ₁	L ₂	f	h	Ø D	Ø A	Insert					Ordering Code
150	-	12	15,25	16	21	VCGT 1103...			FTKA 02565	CT07	A16M SVUCR/L.11
180	-	13	19,00	20	25				↓	↓	A20Q SVUCR/L.11
200	-	17	24,00	25	32				↓	↓	A25R SVUCR/L.11
250	-	22	31,00	32	40	VCGT 1604...	SV32S	SHXN 0509 F	FTGA 03512	CT15	A32S SVUCR/L.16

S...PCLNR/L
Internal Toolholder

Insert

Ordering code

Insert
L1
L2
f
h
ø D
ø A

S25T PCLN R/L 12	CNMM/G 1204..	300	40	17	23	25	31
S32U PCLN R/L 12		350	50	22	30	32	39
S40V PCLN R/L 12		400	60	27	37	40	48
S50W PCLN R/L 12		450	65	35	47	50	61
S50W PCLN R/L 16	CNMM/G 1606..	450	65	35	47	50	61
S50W PCLN R/L 19	CNMM/G 1906..	450	65	35	47	50	61

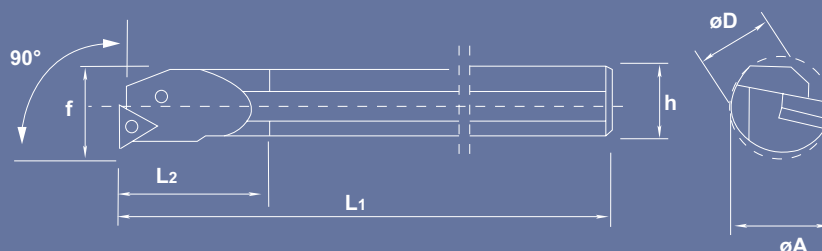
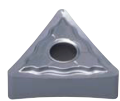
S...PDUNR/L
Internal Toolholder

Insert

Ordering code

Insert
L1
L2
f
h
ø D
ø A

S25T PDUN R/L 11	DNMM/G 1104..	300	35	17	23	25	32
S32U PDUN R/L 15	DNMM/G 1506..	350	50	22	30	32	39
S40V PDUN R/L 15		400	60	27	37	40	48
S50W PDUN R/L 15		450	65	35	47	50	61

S...PTFNR/L
Internal Toolholder

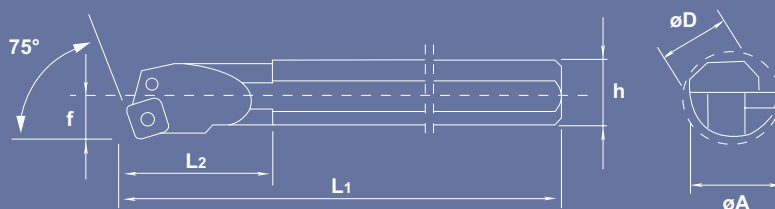
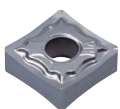
Insert



L ₁	L ₂	f	h	ø D	ø A	Insert					Ordering Code
300	40	17	23	25	31	TNMM/G 1604..	-	-	-	-	S25T PTFN R/L 16
350	50	22	30	32	39						S32U PTFN R/L 16
400	60	27	37	40	48	TNMM/G 2204..					S40V PTFN R/L 22
450	65	35	47	50	61						S50W PTFN R/L 22

S...PSKNR/L
Internal Toolholder

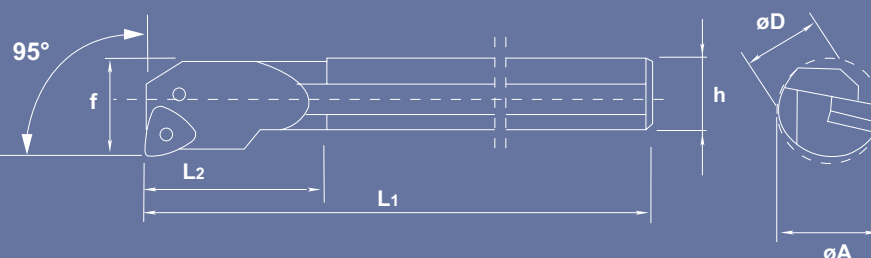
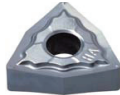
Insert



L ₁	L ₂	f	h	ø D	ø A	Insert					Ordering Code
300	40	17	23	25	31	SNMM/G 1204..	-	-	-	-	S25T PSKN R/L 12
350	50	22	30	32	39						S32U PSKN R/L 12
400	60	27	37	40	48						S40V PSKN R/L 12
450	65	35	47	50	61	SNMM/G 1906..					S50W PSKN R/L 19

S...PWLNR/L
Internal Toolholder

Insert



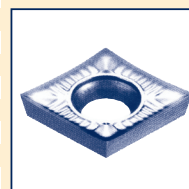
L ₁	L ₂	f	h	ø D	ø A	Insert					Ordering Code
200	24	11	14	16	20	WNMM/G 0604..	-	-	-	-	S16R PWLN R/L 06
250	36	13	18	20	27						S20S PWLN R/L 06
300	40	17	23	25	31						S25T PWLN R/L 06
300	40	17	23	25	31	WNMM/G 0804..					S25T PWLN R/L 08
350	50	22	30	32	39						S32U PWLN R/L 08
400	60	27	37	40	48						S40V PWLN R/L 08

Recommended cutting conditions*

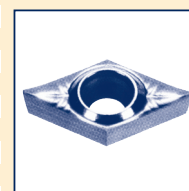
INSERTS

ISO insert number	Quality		Feed (mm/rev)		Cutting Speed (mtr/min)		Depth of cut (mm)
	K10	PA40	K10	PA40	K10	PA40	

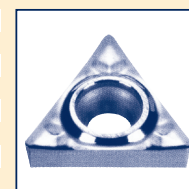
CCGT 060202	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 2.0
CCGT 060204	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 2.0
CCGT 060208	CAP	CA	0.15 ~ 0.50	0.15 ~ 0.30	200 ~ 2500	80 ~ 120	0.5 ~ 3.5
CCGT 09T302	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 3.5
CCGT 09T304	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 3.5
CCGT 09T308	CAP	CA	0.15 ~ 0.50	0.15 ~ 0.30	200 ~ 2500	80 ~ 120	0.5 ~ 3.5
CCGT 120402	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 5.0
CCGT 120404	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 5.0
CCGT 120408	CAP	CA	0.15 ~ 0.50	0.15 ~ 0.30	200 ~ 2500	80 ~ 120	0.5 ~ 5.0



DCGT 070202	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 2.0
DCGT 070204	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 2.0
DCGT 070208	CAP	CA	0.15 ~ 0.50	0.15 ~ 0.30	200 ~ 2500	80 ~ 120	0.5 ~ 3.5
DCGT 11T302	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 3.5
DCGT 11T304	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 3.5
DCGT 11T308	CAP	CA	0.15 ~ 0.50	0.15 ~ 0.30	200 ~ 2500	80 ~ 120	0.5 ~ 3.5
DCGT 11T312	CAP	CA	0.20 ~ 0.80	0.20 ~ 0.40	200 ~ 2500	80 ~ 120	0.8 ~ 3.5



TCGT 110202	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 3.5
TCGT 110204	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 3.5
TCGT 110208	CAP	CA	0.15 ~ 0.50	0.15 ~ 0.30	200 ~ 2500	80 ~ 120	0.5 ~ 3.5
TCGT 16T302	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 3.5
TCGT 16T304	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 5.0
TCGT 16T308	CAP	CA	0.15 ~ 0.50	0.15 ~ 0.30	200 ~ 2500	80 ~ 120	0.5 ~ 5.0
TCGT 16T312	CAP	CA	0.20 ~ 0.80	0.20 ~ 0.40	200 ~ 2500	80 ~ 120	0.8 ~ 5.0
TCGT 16T316	CAP	CA					



VCGT 110302	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 2.0
VCGT 110304	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 2.0
VCGT 110308	CAP	CA	0.15 ~ 0.50	0.15 ~ 0.30	200 ~ 2500	80 ~ 120	0.5 ~ 2.0
VCGT 130302	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 2.0
VCGT 130304	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 2.0
VCGT 160402	CAP	CA	0.05 ~ 0.15	0.05 ~ 0.10	200 ~ 2500	80 ~ 120	0.3 ~ 3.0
VCGT 160404	CAP	CA	0.10 ~ 0.30	0.10 ~ 0.20	200 ~ 2500	80 ~ 120	0.5 ~ 3.0
VCGT 160408	CAP	CA	0.15 ~ 0.50	0.15 ~ 0.30	200 ~ 2500	80 ~ 120	0.5 ~ 3.0
VCGT 160412	CAP	CA	0.20 ~ 0.80	0.20 ~ 0.40	200 ~ 2500	80 ~ 120	0.5 ~ 3.0
VCGT 220525	CAP	CA			200 ~ 2500		
VCGT 220530	CAP	CA			200 ~ 2500		



• These are indications only



NL-3115 HE