

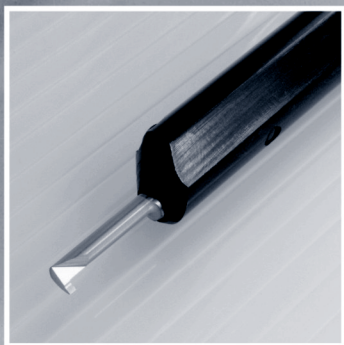
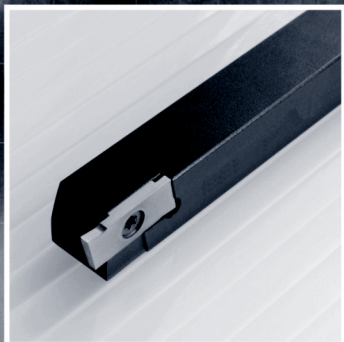
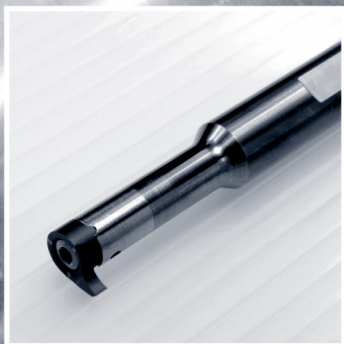
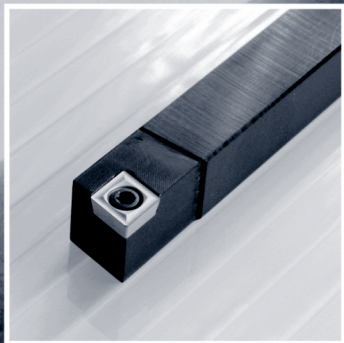
Inserts

General turning

Aluminium
wheel turning

Automatic lathes

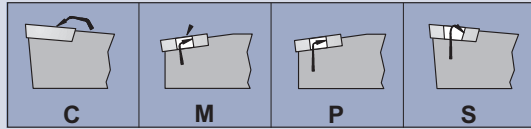
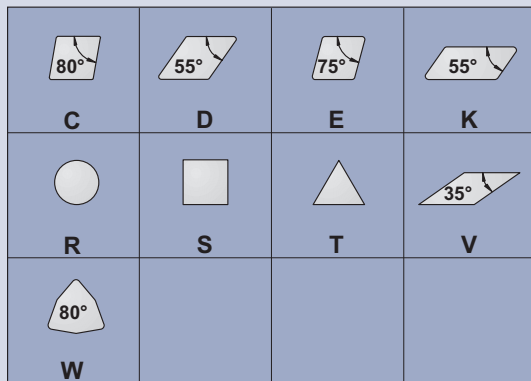
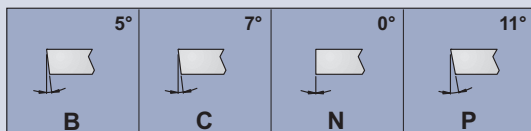
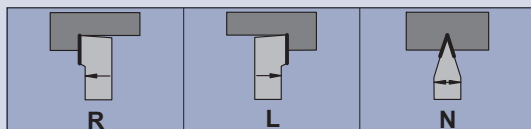
Automatic lathes



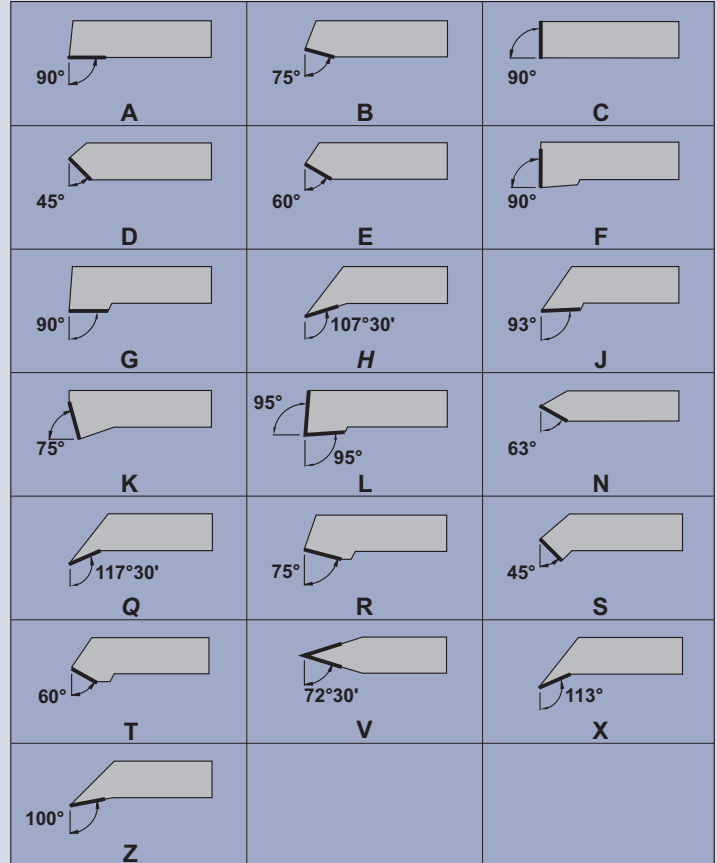
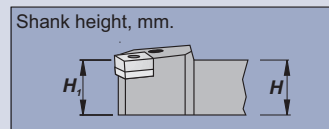
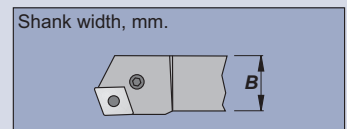
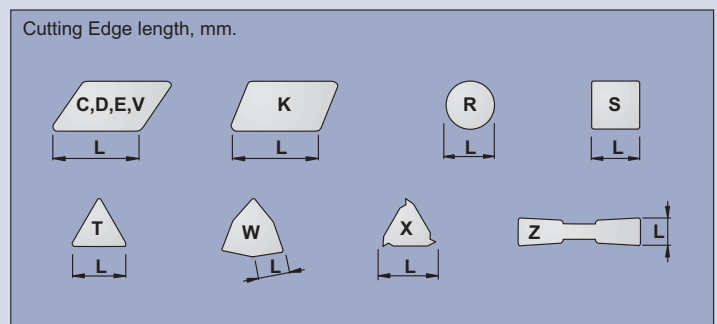
Automatic lathes

Technical information	E.02
Applications index	E.03
Microturn	E.04
Center screw toolholders	E.12
Other applications	E.21
Cutting data	E.23

S	C	A	C	R	12	12	M	09
1	2	3	4	5	6	7	8	9

1**2****4****5****8**

Tool length, mm.	D	60	P	170
	E	70	R	200
	F	80	S	250
	H	100	T	300
	K	125	U	350
	L	140	V	400
	M	150	X	Special

3**6****7****9**

Microturn

STHE



Page E.05

MT



Page E.06

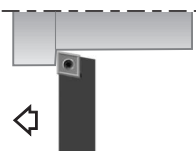
608.00



Page E.08

Center screw toolholders

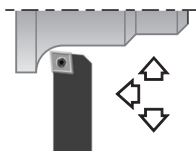
SCAC 90°



Page E.12

CC.. 0602..
CC.. 09T3..

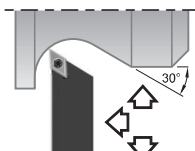
SCLC 95°



Page E.13

CC.. 0602..
CC.. 09T3..

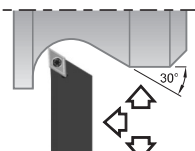
SDAC 90°



Page E.14

DC.. 0702..
DC.. 11T3..

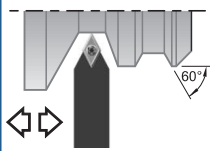
SDJC 93°



Page E.15

DC.. 0702..
DC.. 11T3..

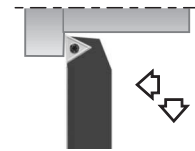
SDNC 62°30'



Page E.16

DC.. 0702..
DC.. 11T3..

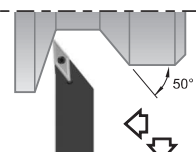
STJC 93°



Page E.17

TC.. 1102..

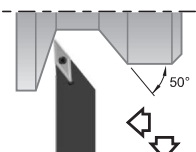
SVAC 90°



Page E.18

VC.. 1103..
VC.. 1604..

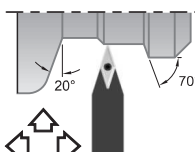
SVJC 93°



Page E.19

VC.. 1103..
VC.. 1604..

SVVC 72°30'

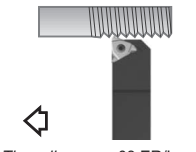


Page E.20

VC.. 1103..

Other applications

SXAN 90°

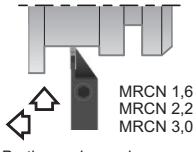


Threading

Page E.21

08 ER/L..
11 ER/L..
16 ER/L..

CZCB



Parting and grooving

Page E.22

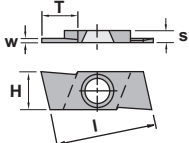
MRCN 1,6
MRCN 2,2
MRCN 3,0

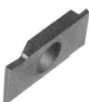
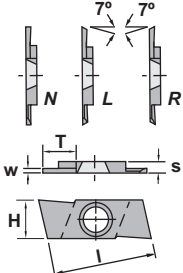
Inserts

General turning

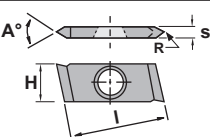
Aluminium
wheel turning

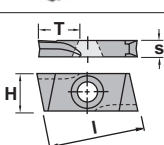
Automatic lathes

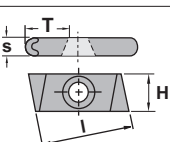
	Standard grooving inserts						Normally available for immediate delivery ● Only available in a limited quantity ○			
	GISG									
		I	s	H	T	W	KM15	PM25	TIN25	TL20
	GISG05R-L	17,00	2,00	7,00	2,54	0,50			●	
	GISG07R-L	17,00	2,00	7,00	2,54	0,70			●	
	GISG08R-L	17,00	2,00	7,00	2,54	0,80			●	
	GISG09R-L	17,00	2,00	7,00	2,54	0,90			●	
	GISG11R-L	17,00	2,00	7,00	6,00	1,10			●	
	GISG13R-L	17,00	2,00	7,00	6,00	1,30			●	
	GISG16R-L	17,00	2,00	7,00	6,00	1,60			●	
	GISG185R-L	17,00	2,00	7,00	6,00	1,85			●	

	Grooving and cut-off inserts						Normally available for immediate delivery ● Only available in a limited quantity ○			
	GIGP									
	GIGP10RN	17,00	2,00	7,00	6,00	1,00			●	
	GIGP10RR	17,00	2,00	7,00	6,00	1,00			●	
	GIGP10LN	17,00	2,00	7,00	6,00	1,00			●	
	GIGP10LL	17,00	2,00	7,00	6,00	1,00			●	
	GIGP15RN	17,00	2,00	7,00	6,00	1,50			●	
	GIGP15RR	17,00	2,00	7,00	6,00	1,50			●	
	GIGP15LN	17,00	2,00	7,00	6,00	1,50			●	
	GIGP15LL	17,00	2,00	7,00	6,00	1,50			●	
	GIGP20RN	17,00	2,00	7,00	6,00	2,00			●	
	GIGP20RR	17,00	2,00	7,00	6,00	2,00			●	
	GIGP20LN	17,00	2,00	7,00	6,00	2,00			●	
	GIGP20LL	17,00	2,00	7,00	6,00	2,00			●	

	Full radius grooving inserts						Normally available for immediate delivery ● Only available in a limited quantity ○			

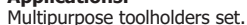
	Threading inserts										Normally available for immediate delivery ● Only available in a limited quantity ○			
	GIGW													
		I	s	H	R	A°	KM15	PM25	TIN25	TL20				
	GIGW55R-L	17,00	2,00	7,00	0,10	55°			●					
	GIGW60R-L	17,00	2,00	7,00	0,10	60°			●					

	Turning inserts										Normally available for immediate delivery ●	
											Only available in a limited quantity ○	
	GIST											
		I	s	H	T	W	KM15	PM25	TIN25	TL20		
	GIST3R-L	17,00	3,17	7,00	6,00	-			●			

	Copying inserts										Normally available for immediate delivery ●		Only available in a limited quantity ○	
	GISC													
		I	s	H	T	W	KM15	PM25	TIN25	TL20				
	GISC3R-L	17,00	3,17	7,00	6,00	-			●					



5508
5508
5508
5508

GISC

SET STHE

Inserts

General turning

Aluminium
wheel turning

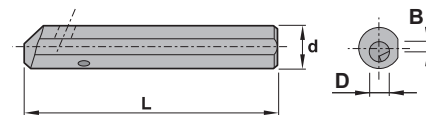
Automatic lathes

**Characteristics:**

Multipurpose boring bar for grooving, threading and turning.
The easy screw clamping ensures good stability and rigidity.

Applications:

Multipurpose boring bar for smaller diameters from 4,2 mm.

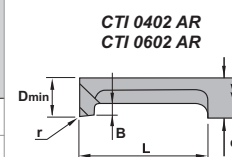
**00.30**

		L	d	B	D	Tool size	kg
Ref.	00.30.12.04	100	12	2,35	2,5 / 4,2	CTI 04..	0,070
	00.30.16.06	120	16	2,80	8,2	CTI 06..	0,150

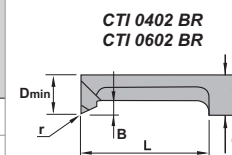
Ref.	00.30.12.04		1505			5025	
	00.30.16.06		1506			5003	

**AR**

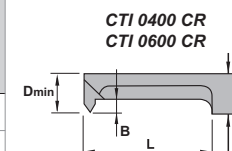
		L	d	B	D _{min}	r
Ref.	CTI 0402 AR	15	4	0,8	4,2	0,2
	CTI 0602 AR	20	6	1,8	6,2	0,2

**Turning Tool****BR**

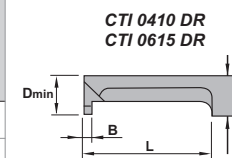
		L	d	B	D _{min}	r
Ref.	CTI 0402 BR	15	4	0,8	4,2	0,2
	CTI 0602 BR	20	6	1,8	6,2	0,2

**Copying Tool****CR**

		L	d	B	D _{min}	r
Ref.	CTI 0400 CR	15	4	0,8	M5	-
	CTI 0600 CR	20	6	1,8	M8	-

**Threading Tool****DR**

		L	d	B	D _{min}	r
Ref.	CTI 0410 DR	15	4	1,0	4,2	-
	CTI 0615 DR	20	6	1,8	6,2	-

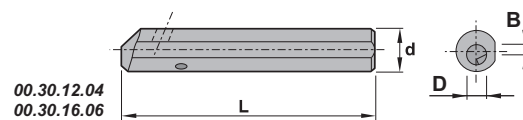
**Grooving Tool**

**Characteristics:**

Multipurpose boring bar set for grooving, threading and turning.
The easy screw clamping ensures good stability and rigidity.

Applications:

Multipurpose boring bar set for smaller diameters from 4,2 mm..



SET MT12 Characteristics: Boring bars with steel shank.									
Ref.		L	d	B	D	r			
	00.30.12.04	100	12	2,35	2,5 / 4,2	-	1505	5025	0,170
	CTI 0402 AR	15	4	0,8	4,2	0,2			
	CTI 0402 BR	15	4	0,8	4,2	0,2			
	CTI 0400 CR	15	4	0,8	M5	-			
	CTI 0410 DR	15	4	1,0	4,2	-			

SET MT16 Characteristics: Boring bars with steel shank.									
Ref.		L	d	B	D	r			
	00.30.16.06	120	16	2,8	8,2	-	1506	5003	0,250
	CTI 0602 AR	20	6	1,8	6,2	0,2			
	CTI 0602 BR	20	6	1,8	6,2	0,2			
	CTI 0600 CR	20	6	1,8	M8	-			
	CTI 0615 DR	20	6	1,8	6,2	-			

SET MT Characteristics: Boring bars with steel shank.									
Ref.		L	d	B	D	r			
	00.30.12.04	100	12	2,35	2,5 / 4,2	-	1505	5025	0,390
	00.30.16.06	120	16	2,80	8,2	-	1506	5003	
	CTI 0402 AR	15	4	0,8	4,2	0,2			
	CTI 0602 AR	20	6	1,8	6,2	0,2			
	CTI 0402 BR	15	4	0,8	4,2	0,2			
	CTI 0602 BR	20	6	1,8	6,2	0,2			
	CTI 0400 CR	15	4	0,8	M5	-			
	CTI 0600 CR	20	6	1,8	M8	-			
	CTI 0410 DR	15	4	1,0	4,2	-			
	CTI 0615 DR	20	6	1,8	6,2	-			

Inserts

General turning

Aluminium
wheel turning

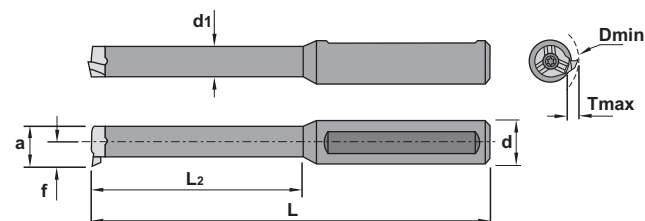
Automatic lathes

**Characteristics:**

Multipurpose boring bar for grooving, threading and turning.
The easy screw clamping ensures good stability and rigidity.

Applications:

Multipurpose boring bar for smaller diameters from 8 mm..

**608.00**

		Dmin	d	d1	L	L2	a	f	Tmax	Insert size	 Kg
Ref.	608.0012.2 HM	8	12	6	90	30	7,8	4,8	1,0	R/LS08	0,090
	611.0012.2 HM	11	12	8	110	42	10,7	6,7	2,3	R/LS11	0,090
	614.0012.2 HM	14	12	11	110	45	13,8	9,0	4,0	R/LS14	0,130
	616.0012.2 HM	16	12	11	130	56	15,7	10,2	4,3	R/LS16	0,265



Ref.	608.0012.2 HM	1226	5508
	611.0012.2 HM	1535	5510
	614.0012.2 HM	1244	5515
	616.0012.2 HM	1255	5520

**Characteristics:**

Multipurpose mini-system boring bar for grooving, threading and turning.
The easy screw clamping ensures good stability and rigidity.

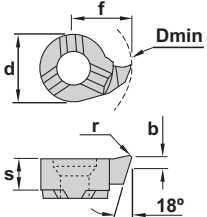
Applications:

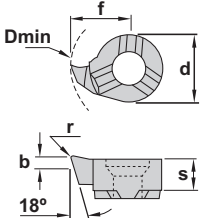
Multipurpose boring bar.

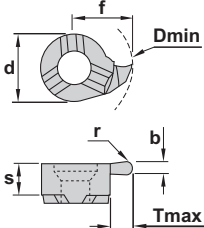
SET 608**Characteristics:**

Boring bars with steel shank.

		Holder	Inserts					 Kg
Ref.	SET 6080012	608.0012.2 HM	RS008.0090	RS008.0110	RS008.0130	RS008.0160	RS08.0815.01	0,210
	SET 6110012	611.0012.2 HM	RS011.0090	RS011.0110	RS011.0130	RS011.0160	RS11.0815.01	0,210
	SET 6140012	614.0012.2 HM	RS014.0090	RS014.0110	RS014.0130	RS014.0160	RS14.0815.01	0,250
	SET 6160012	616.0012.2 HM	RS016.0090	RS016.0110	RS016.0130	RS016.0160	RS16.0815.01	0,385

	Insert for turning Normally available for immediate delivery ● Only available in a limited quantity ○										
	L	Dmin	b	f	s	d	r	KM15	PM25	TIN25	TL20
		LS08.1846.02 LS11.1855.02 LS11.1867.02 LS14.1867.02 LS16.1897.02	7,8 9,8 11,0 13,8 15,5	3,3 3,9 3,9 5,0 5,0	4,65 5,50 6,70 8,70 9,70	3,5 4,2 4,2 5,1 5,4	6,0 8,0 8,0 9,0 11,0	0,2 0,2 0,2 0,2 0,2			● ● ● ● ●

	Insert for turning Normally available for immediate delivery ● Only available in a limited quantity ○										
	R	Dmin	b	f	s	d	r	KM15	PM25	TIN25	TL20
		RS08.1846.02 RS11.1855.02 RS11.1867.02 RS14.1867.02 RS16.1897.02	7,8 9,8 11,0 13,8 15,5	3,3 3,9 3,9 5,0 5,0	4,65 5,50 6,70 8,70 9,70	3,5 4,2 4,2 5,1 5,4	6,0 8,0 8,0 9,0 11,0	0,2 0,2 0,2 0,2 0,2			● ● ● ● ●

	Insert for grooving with radius								Normally available for immediate delivery ● Only available in a limited quantity ○			
	L	Dmin	b	r	f	s	d	tmax	KM15	PM25	TIN25	TL20
	LS08.008R04	8,0	0,8	0,4	4,8	3,3	6,0	1,0				●
	LS08.012R06	8,0	1,2	0,6	4,8	3,3	6,0	1,0				●
	LS08.018R09	8,0	1,8	0,9	4,8	3,3	6,0	1,0				●
	LS11.008R04	11,0	0,8	0,4	6,7	4,2	8,0	2,3				●
	LS11.012R06	11,0	1,2	0,6	6,7	4,2	8,0	2,3				●
	LS11.018R09	11,0	1,8	0,9	6,7	4,2	8,0	2,3				●
	LS11.020R10	11,0	2,0	1,0	6,7	4,2	8,0	2,3				●
	LS11.030R15	11,0	3,0	1,5	6,7	4,2	8,0	2,3				●
	LS14.012R06	14,0	1,2	0,6	9,0	4,0	9,0	4,0				●
	LS14.018R09	14,0	1,8	0,9	9,0	4,0	9,0	4,0				●
	LS14.020R10	14,0	2,0	1,0	9,0	4,0	9,0	4,0				●
	LS14.022R11	14,0	2,2	1,1	9,0	4,0	9,0	4,0				●
	LS14.030R15	14,0	3,0	1,5	9,0	4,0	9,0	4,0				●
	LS16.018R09	16,0	1,8	0,9	10,2	5,4	11,0	4,3				●
	LS16.022R11	16,0	2,2	1,1	10,2	5,4	11,0	4,3				●
	LS16.030R15	16,0	3,0	1,5	10,2	5,4	11,0	4,3				●
LS16.040R20	16,0	4,0	2,0	10,2	5,4	11,0	4,3				●	



Inserts

General turning

Aluminium
wheel turning

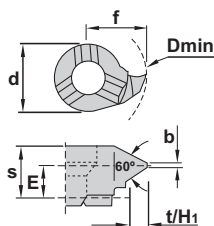
Automatic lathes



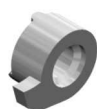
Insert for threading

Normally available for immediate delivery ●

Only available in a limited quantity ○

L

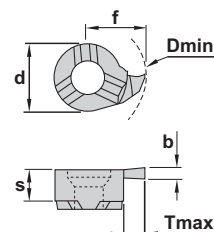
	Dmin	pitch.	t/H ₁	f	E	s	b	d	KM15	PM25	TIN25	TL20
LS08.0815.01	8,0	1,5 / 1,75	0,95	4,8	2,5	3,5	0,18	6,0				●
LS11.1020.01	11,0	2,0	1,08	6,7	3,0	4,3	0,25	8,0				●
LS11.1325.01	11,0	2,5	1,35	6,7	3,0	4,3	0,31	8,0				●
LS14.1020.01	14,0	2,0	1,08	9,0	4,2	5,4	0,25	9,0				●
LS14.1325.01	14,0	2,5	1,35	9,0	4,7	5,4	0,31	9,0				●
LS16.1325.01	16,0	2,5	1,35	10,2	4,2	5,5	0,31	11,0				●
LS08.0205.01	8,0	0,5 / 0,75	0,43	4,8	2,7	3,5	0,06	6,0				●
LS08.0510.01	8,0	1,0 / 1,25	0,70	4,8	2,7	3,5	0,12	6,0				●
LS11.0205.01	11,0	0,5 / 0,75	0,75	6,7	3,5	4,3	0,06	8,0				●
LS11.0510.01	11,0	1,0	0,55	6,7	3,5	4,3	0,12	8,0				●
LS11.0815.01	11,0	1,5	0,81	6,7	3,5	4,3	0,18	8,0				●
LS14.0510.01	14,0	1,0	0,55	9,0	4,7	5,4	0,12	9,0				●
LS14.0815.01	14,0	1,5	0,81	9,0	4,5	5,4	0,18	9,0				●
LS16.0510.01	16,0	1,0	0,55	10,2	4,7	5,5	0,12	11,0				●
LS16.0815.01	16,0	1,5	0,81	10,2	4,5	5,5	0,18	11,0				●
LS16.1020.01	16,0	2,0	1,08	10,2	4,2	5,5	0,25	11,0				●



Insert for grooving

Normally available for immediate delivery ●

Only available in a limited quantity ○

L

	Dmin	b	f	s	d	T max.	KM15	PM25	TIN25	TL20
LS008.0070	8,0	0,73	4,8	3,3	6,0	1,0				●
LS008.0080	8,0	0,83	4,8	3,3	6,0	1,0				●
LS008.0090	8,0	0,93	4,8	3,3	6,0	1,0				●
LS008.0110	8,0	1,20	4,8	3,3	6,0	1,0				●
LS008.0130	8,0	1,40	4,8	3,3	6,0	1,0				●
LS008.0160	8,0	1,70	4,8	3,3	6,0	1,0				●
LS008.0100	8,0	1,00	4,8	3,3	6,0	1,0				●
LS008.0150	8,0	1,50	4,8	3,3	6,0	1,0				●
LS008.0200	8,0	2,00	4,8	3,3	6,0	1,0				●
LS011.0070	11,0	0,73	6,7	4,2	8,0	1,2				●
LS011.0080	11,0	0,83	6,7	4,2	8,0	1,3				●
LS011.0090	11,0	0,93	6,7	4,2	8,0	1,5				●
LS011.0110	11,0	1,20	6,7	4,2	8,0	2,3				●
LS011.0130	11,0	1,40	6,7	4,2	8,0	2,3				●
LS011.0160	11,0	1,70	6,7	4,2	8,0	2,3				●
LS011.0100	11,0	1,00	6,7	4,2	8,0	2,3				●
LS011.0150	11,0	1,50	6,7	4,2	8,0	2,3				●
LS011.0200	11,0	2,00	6,7	4,2	8,0	2,3				●
LS011.0250	11,0	2,50	6,7	4,2	8,0	2,3				●
LS011.0300	11,0	3,00	6,7	4,2	8,0	2,3				●
LS014.0070	14,0	0,73	9,0	5,3	9,0	1,2				●
LS014.0080	14,0	0,83	9,0	5,3	9,0	1,3				●
LS014.0090	14,0	0,93	9,0	5,3	9,0	1,5				●
LS014.0110	14,0	1,20	9,0	5,3	9,0	4,0				●
LS014.0130	14,0	1,40	9,0	5,3	9,0	4,0				●
LS014.0160	14,0	1,70	9,0	5,3	9,0	4,0				●
LS014.0150	14,0	1,50	9,0	5,3	9,0	4,0				●
LS014.0200	14,0	2,00	9,0	5,3	9,0	4,0				●
LS014.0250	14,0	2,50	9,0	5,3	9,0	4,0				●
LS014.0300	14,0	3,00	9,0	5,3	9,0	4,0				●
LS016.0070	16,0	0,73	10,2	5,4	11,0	1,2				●
LS016.0080	16,0	0,83	10,2	5,4	11,0	1,3				●
LS016.0090	16,0	0,93	10,2	5,4	11,0	1,5				●
LS016.0110	16,0	1,20	10,2	5,4	11,0	4,3				●
LS016.0130	16,0	1,40	10,2	5,4	11,0	4,3				●
LS016.0160	16,0	1,70	10,2	5,4	11,0	4,3				●
LS016.0150	16,0	1,50	10,2	5,4	11,0	4,3				●
LS016.0200	16,0	2,00	10,2	5,4	11,0	4,3				●
LS016.0250	16,0	2,50	10,2	5,4	11,0	4,3				●
LS016.0300	16,0	3,00	10,2	5,4	11,0	4,3				●
LS016.0350	16,0	3,50	10,2	5,4	11,0	4,3				●
LS016.0400	16,0	4,00	10,2	5,4	11,0	4,3				●

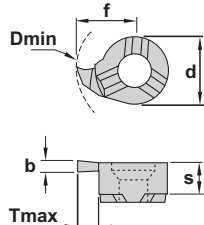
Insert for threading

Normally available for immediate delivery ●

Only available in a limited quantity ○

R

	Dmin	pitch.	t/H1	f	E	s	b	d	KM15	PM25	TIN25	TL20
RS08.0815.01	8,0	1,5 / 1,75	0,95	4,8	2,5	3,5	0,18	6,0				●
RS11.1020.01	11,0	2,0	1,08	6,7	3,0	4,3	0,25	8,0				●
RS11.1325.01	11,0	2,5	1,35	6,7	3,0	4,3	0,31	8,0				●
RS14.1020.01	14,0	2,0	1,08	9,0	4,2	5,4	0,25	9,0				●
RS14.1325.01	14,0	2,5	1,35	9,0	4,7	5,4	0,31	9,0				●
RS16.1325.01	16,0	2,5	1,35	10,2	4,2	5,5	0,31	11,0				●
RS08.0205.01	8,0	0,5 / 0,75	0,43	4,8	2,7	3,5	0,06	6,0				●
RS08.0510.01	8,0	1,0 / 1,25	0,70	4,8	2,7	3,5	0,12	6,0				●
RS11.0205.01	11,0	0,5 / 0,75	0,75	6,7	3,5	4,3	0,06	8,0				●
RS11.0510.01	11,0	1,0	0,55	6,7	3,5	4,3	0,12	8,0				●
RS11.0815.01	11,0	1,5	0,81	6,7	3,5	4,3	0,18	8,0				●
RS14.0510.01	14,0	1,0	0,55	9,0	4,7	5,4	0,12	9,0				●
RS14.0815.01	14,0	1,5	0,81	9,0	4,5	5,4	0,18	9,0				●
RS16.0510.01	16,0	1,0	0,55	10,2	4,7	5,5	0,12	11,0				●
RS16.0815.01	16,0	1,5	0,81	10,2	4,5	5,5	0,18	11,0				●
RS16.1020.01	16,0	2,0	1,08	10,2	4,2	5,5	0,25	11,0				●

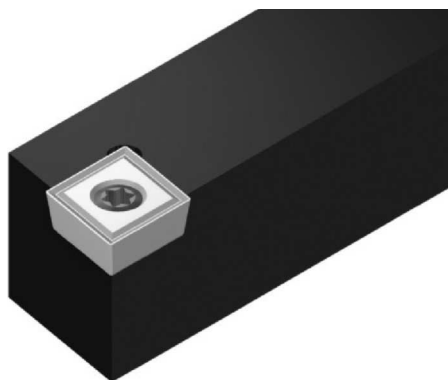
	Insert for grooving											Normally available for immediate delivery ●		Only available in a limited quantity ○	
	R	Dmin	b	f	s	d	T max.	KM15	PM25	TIN25	TL20				
	RS008.0070	8,0	0,73	4,8	3,3	6,0	1,0					●			
	RS008.0080	8,0	0,83	4,8	3,3	6,0	1,0					●			
	RS008.0090	8,0	0,93	4,8	3,3	6,0	1,0					●			
	RS008.0110	8,0	1,20	4,8	3,3	6,0	1,0					●			
	RS008.0130	8,0	1,40	4,8	3,3	6,0	1,0					●			
	RS008.0160	8,0	1,70	4,8	3,3	6,0	1,0					●			
	RS008.0100	8,0	1,00	4,8	3,3	6,0	1,0					●			
	RS008.0150	8,0	1,50	4,8	3,3	6,0	1,0					●			
	RS008.0200	8,0	2,00	4,8	3,3	6,0	1,0					●			
	RS011.0070	11,0	0,73	6,7	4,2	8,0	1,2					●			
	RS011.0080	11,0	0,83	6,7	4,2	8,0	1,3					●			
	RS011.0090	11,0	0,93	6,7	4,2	8,0	1,5					●			
	RS011.0110	11,0	1,20	6,7	4,2	8,0	2,3					●			
	RS011.0130	11,0	1,40	6,7	4,2	8,0	2,3					●			
	RS011.0160	11,0	1,70	6,7	4,2	8,0	2,3					●			
	RS011.0100	11,0	1,00	6,7	4,2	8,0	2,3					●			
	RS011.0150	11,0	1,50	6,7	4,2	8,0	2,3					●			
	RS011.0200	11,0	2,00	6,7	4,2	8,0	2,3					●			
	RS011.0250	11,0	2,50	6,7	4,2	8,0	2,3					●			
	RS011.0300	11,0	3,00	6,7	4,2	8,0	2,3					●			
	RS014.0070	14,0	0,73	9,0	5,3	9,0	1,2					●			
	RS014.0080	14,0	0,83	9,0	5,3	9,0	1,3					●			
	RS014.0090	14,0	0,93	9,0	5,3	9,0	1,5					●			
	RS014.0110	14,0	1,20	9,0	5,3	9,0	4,0					●			
	RS014.0130	14,0	1,40	9,0	5,3	9,0	4,0					●			
	RS014.0160	14,0	1,70	9,0	5,3	9,0	4,0					●			
	RS014.0150	14,0	1,50	9,0	5,3	9,0	4,0					●			
	RS014.0200	14,0	2,00	9,0	5,3	9,0	4,0					●			
	RS014.0250	14,0	2,50	9,0	5,3	9,0	4,0					●			
	RS014.0300	14,0	3,00	9,0	5,3	9,0	4,0					●			
	RS016.0070	16,0	0,73	10,2	5,4	11,0	1,2					●			
	RS016.0080	16,0	0,83	10,2	5,4	11,0	1,3					●			
	RS016.0090	16,0	0,93	10,2	5,4	11,0	1,5					●			
	RS016.0110	16,0	1,20	10,2	5,4	11,0	4,3					●			
	RS016.0130	16,0	1,40	10,2	5,4	11,0	4,3					●			
	RS016.0160	16,0	1,70	10,2	5,4	11,0	4,3					●			
	RS016.0150	16,0	1,50	10,2	5,4	11,0	4,3					●			
	RS016.0200	16,0	2,00	10,2	5,4	11,0	4,3					●			
	RS016.0250	16,0	2,50	10,2	5,4	11,0	4,3					●			
	RS016.0300	16,0	3,00	10,2	5,4	11,0	4,3					●			
	RS016.0350	16,0	3,50	10,2	5,4	11,0	4,3					●			
	RS016.0400	16,0	4,00	10,2	5,4	11,0	4,3					●			

Inserts

General turning

Aluminium
wheel turning

Automatic lathes

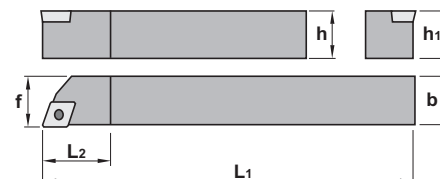
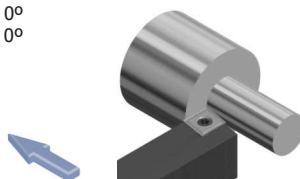
**Characteristics:**

Toolholder for external turning applications equipped with rhombic positive inserts (angle 80°).
The center screw ensures good rigidity and chip flow.

Applications:

External turning toolholder for all kind of materials.
The workpiece should be stable.

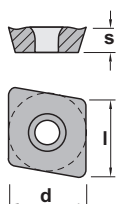
Axial: 0°
Radial: 0°

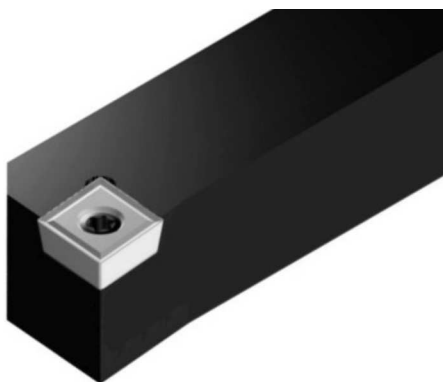
**SCAC 90°**

Ref.		h=h ₁	b	L ₁	L ₂	f	Insert size	 Kg
	SCAC R/L 0808 M06	8	8	150	8	8	CC.. 0602..	0,070
	SCAC R/L 1010 M06	10	10	150	10	10	CC.. 0602..	0,110
	SCAC R/L 1212 M06	12	12	150	12	12	CC.. 0602..	0,150
	SCAC R/L 1616 M06	16	16	150	16	16	CC.. 0602..	0,280
	SCAC R/L 1212 M09	12	12	150	12	12	CC.. 09T3..	0,150
	SCAC R/L 1616 M09	16	16	150	16	16	CC.. 09T3..	0,280

Ref.			
	SCAC R/L 0808 M06	1225	5507
	SCAC R/L 1010 M06	1225	5507
	SCAC R/L 1212 M06	1225	5507
	SCAC R/L 1616 M06	1225	5507
	SCAC R/L 1212 M09	1240	5515
	SCAC R/L 1616 M09	1240	5515

CC..		l	s	d	Positive 7° clearance - 80° rhombic inserts.
Ref.		6,45	2,38	6,35	
	CC.. 09T3..	9,65	3,97	9,52	
					For more information see page: A.18
CCGT-AL		CCGT-AP	CCMT-03	CCMW	
					



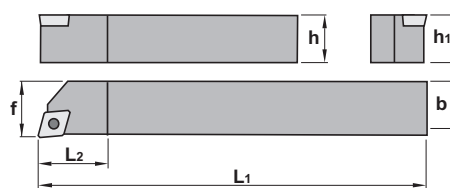
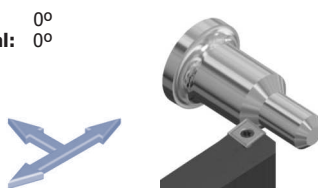
**Characteristics:**

Multipurpose toolholder equipped with rhombic positive insert (angle 80°).
The center screw ensures good rigidity and chip flow.

Applications:

External turning toolholder for general applications. roughing, semi-finishing and finishing.

Axial: 0°
Radial: 0°

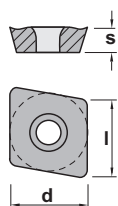


SCLC 95°

Ref.		h=h ₁	b	L ₁	L ₂	f	Insert size	⚖ Kg
	SCLC R/L 0808 M06	8	8	150	8	8	CC.. 0602..	0,070
	SCLC R/L 1010 M06	10	10	150	10	10	CC.. 0602..	0,110
	SCLC R/L 1212 M06	12	12	150	12	12	CC.. 0602..	0,150
	SCLC R/L 1616 M06	16	16	150	16	16	CC.. 0602..	0,280
	SCLC R/L 1212 M09	12	12	150	12	12	CC.. 09T3..	0,150
	SCLC R/L 1616 M09	16	16	150	16	16	CC.. 09T3..	0,280

Ref.			
	SCLC R/L 0808 M06	1225	5507
	SCLC R/L 1010 M06	1225	5507
	SCLC R/L 1212 M06	1225	5507
	SCLC R/L 1616 M06	1225	5507
	SCLC R/L 1212 M09	1240	5515
	SCLC R/L 1616 M09	1240	5515

CC..		l	s	d	Positive 7° clearance - 80° rhombic inserts.
Ref.		6,45	2,38	6,35	
	CC.. 09T3..	9,65	3,97	9,52	
					For more information see page: A.18
CCGT-AL		CCGT-AP	CCMT-03	CCMW	
					

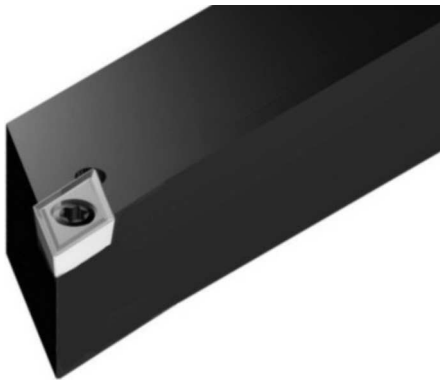


Inserts

General turning

Aluminium
wheel turning

Automatic lathes

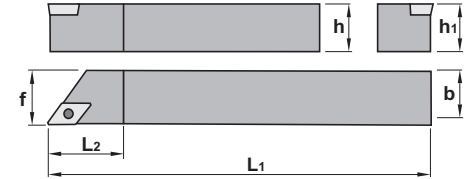
**Characteristics:**

Multipurpose toolholder equipped with rhombic positive insert (angle 55°).
The center screw ensures good rigidity and chip flow.

Applications:

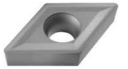
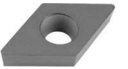
External turning toolholder for general applications, roughing, semi-finishing and finishing.

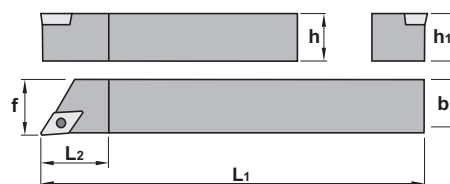
Axial: 0°
Radial: 0°

**SDAC 90°**

Ref.		h=h ₁	b	L ₁	L ₂	f	Insert size	 Kg
	SDAC R/L 0808 M07	8	8	150	12,7	8	DC.. 0702..	0,070
	SDAC R/L 1010 M07	10	10	150	15,0	10	DC.. 0702..	0,110
	SDAC R/L 1212 M07	12	12	150	15,0	12	DC.. 0702..	0,150
	SDAC R/L 1616 M07	16	16	150	16,0	16	DC.. 0702..	0,280
	SDAC R/L 1212 M11	12	12	150	18,0	12	DC.. 11T3..	0,150
	SDAC R/L 1616 M11	16	16	150	20,0	16	DC.. 11T3..	0,280

Ref.			
	SDAC R/L 0808 M07	1225	5507
	SDAC R/L 1010 M07	1225	5507
	SDAC R/L 1212 M07	1225	5507
	SDAC R/L 1616 M07	1225	5507
	SDAC R/L 1212 M11	1240	5515
	SDAC R/L 1616 M11	1240	5515

DC..		l	s	d	Positive 7° clearance - 55° rhombic inserts.
Ref.	DC.. 0702..	7,75	2,38	6,35	
	DC.. 11T3..	11,60	3,97	9,52	
					For more information see page: A.21
	DCGT-AL	DCGT-AP	DCMT-03	DCMW	
					



		h=h1	b	L1	L2	f	Insert size	kg
Ref.	SDJC R/L 0808 M07	8	8	150	8	8	DC.. 0702..	0,070
	SDJC R/L 1010 M07	10	10	150	10	10	DC.. 0702..	0,110
	SDJC R/L 1212 M07	12	12	150	12	12	DC.. 0702..	0,150
	SDJC R/L 1616 M07	16	16	150	16	16	DC.. 0702..	0,280
	SDJC R/L 1212 M11	12	12	150	12	12	DC.. 11T3..	0,150
	SDJC R/L 1616 M11	16	16	150	16	16	DC.. 11T3..	0,280

Automatic lathes

Parting and
grooving

Threading

Drills

Cartridges

Brazed tools

Tooling

Inserts

General turning

Aluminium
wheel turning

Automatic lathes

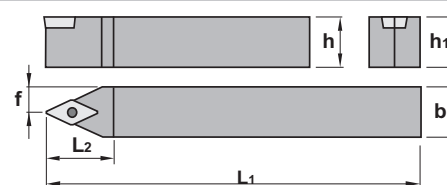
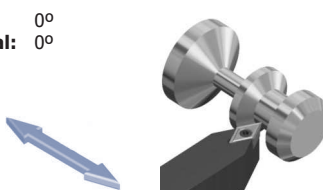
**Characteristics:**

Multipurpose toolholder equipped with rhombic positive insert (angle 55°).
The center screw ensures good rigidity and chip flow.

Applications:

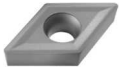
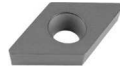
External turning toolholder for general applications. roughing, semi-finishing and finishing.

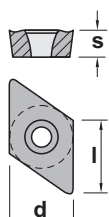
Axial: 0°
Radial: 0°

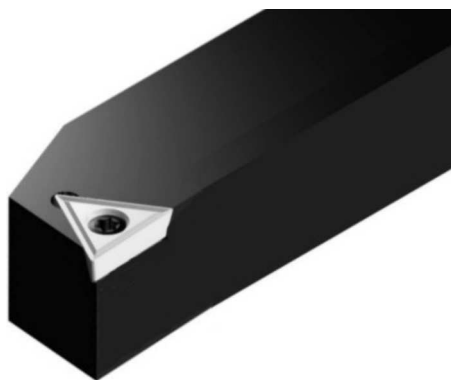
**SDNC 62°30'**

Ref.		h=h ₁	b	L ₁	L ₂	f	Insert size	 Kg
	SDNC N 1010 M07	10	10	150	15	5,2	DC.. 0702..	0,100
	SDNC N 1212 M11	12	12	150	21	6,2	DC.. 11T3..	0,140
	SDNC N 1616 M11	16	16	150	21	8,6	DC.. 11T3..	0,270

Ref.			
	SDNC N 1010 M07	1225	5507
	SDNC N 1212 M11	1240	5515
	SDNC N 1616 M11	1240	5515

DC..		l	s	d	Positive 7° clearance - 55° rhombic inserts.
Ref.		7,75	2,38	6,35	
	DC.. 11T3..	11,60	3,97	9,52	
					For more information see page: A.21
	DCGT-AL	DCGT-AP	DCMT-03	DCMW	
					



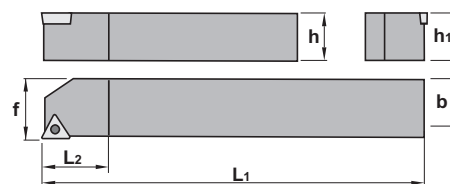
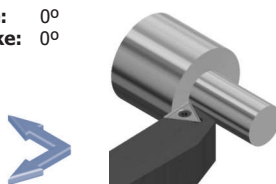
**Characteristics:**

Toolholder for external and face turning applications equipped with triangular positive inserts. The center screw ensures good rigidity and chip flow.

Applications:

External and face turning and toolholder for all kind of materials. The workpiece should be stable.

Axial rake: 0°
Radial rake: 0°

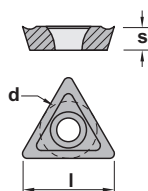


STJC 93°

Ref.		h=h ₁	b	L ₁	L ₂	f	Insert size	⚖️ Kg
	STJC R/L 1010 M11	10	10	150	16	10	TC.. 1102..	0,110
	STJC R/L 1212 M11	12	12	150	16	12	TC.. 1102..	0,150
	STJC R/L 1616 M11	16	16	150	16	16	TC.. 1102..	0,280

Ref.			
	STJC R/L 1010 M11	1225	5507
	STJC R/L 1212 M11	1225	5507
	STJC R/L 1616 M11	1225	5507

TC..		l	s	d	Positive 7° clearance - Triangular inserts.
Ref.	TC.. 1102..	11,00	2,38	6,35	
					For more information see page: A.28
	TCGT-AL	TCMT-03	TCMW		
					



Inserts

General turning

Aluminium
wheel turning

Automatic lathes

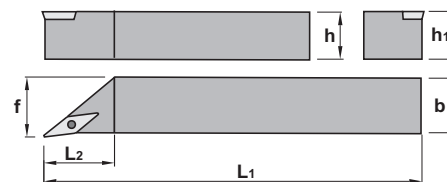
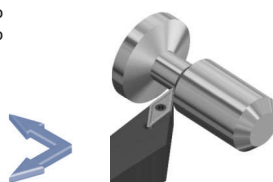
**Characteristics:**

Multipurpose toolholder equipped with rhombic positive insert (angle 35°).
The center screw ensures good rigidity and chip flow.

Applications:

Profiling toolholder for general applications, roughing, semi-finishing and finishing.

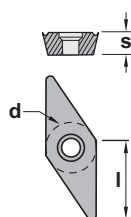
Axial: 0°
Radial: 0°

**SVAC 90°**

Ref.		h=h ₁	b	L ₁	L ₂	f	Insert size	 Kg
	SVAC R/L 0808 M11	8	8	150	26	8	VC.. 1103..	0,070
	SVAC R/L 1010 M11	10	10	150	26	10	VC.. 1103..	0,100
	SVAC R/L 1212 M11	12	12	150	26	12	VC.. 1103..	0,140
	SVAC R/L 1616 M11	16	16	150	26	16	VC.. 1103..	0,270
	SVAC R/L 1212 M16	12	12	150	40	12	VC.. 1604..	0,140
	SVAC R/L 1616 M16	16	16	150	40	16	VC.. 1604..	0,270

Ref.			
	SVAC R/L 0808 M11	1225	5507
	SVAC R/L 1010 M11	1225	5507
	SVAC R/L 1212 M11	1225	5507
	SVAC R/L 1616 M11	1225	5507
	SVAC R/L 1212 M16	1240	5515
	SVAC R/L 1616 M16	1240	5515

VC..		l	s	d	Positive 7° clearance - 35° rhombic inserts
Ref.	VC.. 1103..	11,00	3,18	6,35	
	VC.. 1604..	16,50	4,76	9,52	
					For more information see page: A.32
VCGT-AL	VCGT-AP	VCMT-03			
					



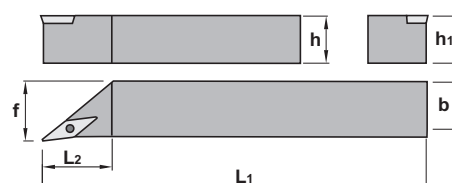
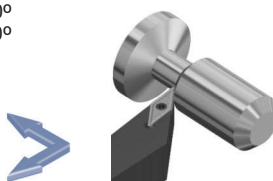
**Characteristics:**

Multipurpose toolholder equipped with rhombic positive insert (angle 35°).
The center screw ensures good rigidity and chip flow.

Applications:

Profiling toolholder for general applications, roughing, semi-finishing and finishing.

Axial: 0°
Radial: 0°

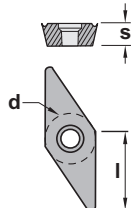


SVJC 93°

Ref.		h=h ₁	b	L ₁	L ₂	f	Insert size	⚖ Kg
	SVJC R/L 0808 M11	8	8	150	26	8	VC.. 1103..	0,070
	SVJC R/L 1010 M11	10	10	150	26	10	VC.. 1103..	0,100
	SVJC R/L 1212 M11	12	12	150	26	12	VC.. 1103..	0,140
	SVJC R/L 1616 M11	16	16	150	26	16	VC.. 1103..	0,270
	SVJC R/L 1212 M16	12	12	150	40	12	VC.. 1604..	0,140
	SVJC R/L 1616 M16	16	16	150	40	16	VC.. 1604..	0,270

Ref.			
	SVJC R/L 0808 M11	1225	5507
	SVJC R/L 1010 M11	1225	5507
	SVJC R/L 1212 M11	1225	5507
	SVJC R/L 1616 M11	1225	5507
	SVJC R/L 1212 M16	1240	5515
	SVJC R/L 1616 M16	1240	5515

VC..					Positive 7° clearance - 35° rhombic inserts
Ref.	VC.. 1103..	11,00	3,18	6,35	
	VC.. 1604..	16,50	4,76	9,52	
					For more information see page: A.32
VCMT-03					
VCMT-03					
VCMT-03					



Inserts

General turning

Aluminium
wheel turning

Automatic lathes

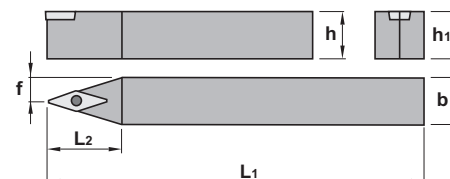
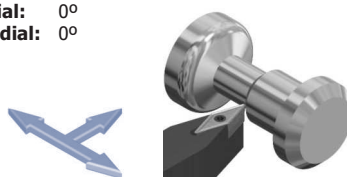
**Characteristics:**

Multipurpose toolholder equipped with rhombic 5° positive insert (angle 35°).
The center screw ensures good rigidity and chip flow.

Applications:

Profiling toolholder for general applications, roughing, semi-finishing and finishing.

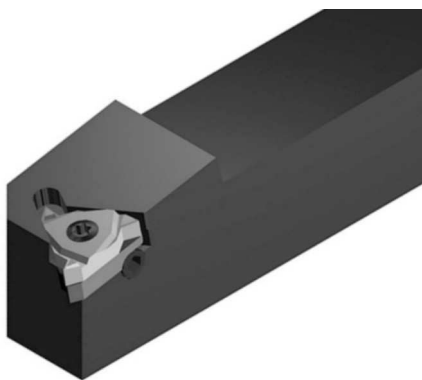
Axial: 0°
Radial: 0°

**SVVC 72°30'**

Ref.		h=h1	b	L1	L2	f	Insert size	 Kg
	SVVC N 0808 M11	8	8	150	21	4,3	VC.. 1103..	0,070
	SVVC N 1010 M11	10	10	150	21	5,3	VC.. 1103..	0,100
	SVVC N 1212 M11	12	12	150	21	6,3	VC.. 1103..	0,140
	SVVC N 1616 M11	16	16	150	21	8,3	VC.. 1103..	0,260

Ref.			
	SVVC N 0808 M11	1225	5507
	SVVC N 1010 M11	1225	5507
	SVVC N 1212 M11	1225	5507
	SVVC N 1616 M11	1225	5507

VC..		l	s	d	Positive 7° clearance - 35° rhombic inserts
Ref.	VC.. 1103..	11,00	3,18	6,35	
					For more information see page: A.32
					

**Characteristics:**

Threading toolholder for negative lay down inserts.

The screw clamping ensures a good and clean fixation.

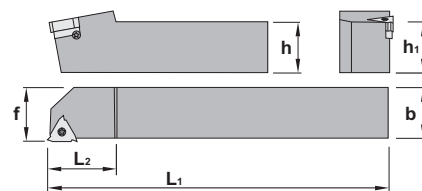
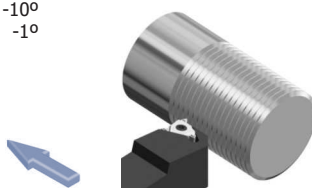
The insert is positioned with a -10° cutting angle, and a -1° clearance angle.

Toolholder supplied with all the spare parts except the insert.

Applications:

Threading toolholders.

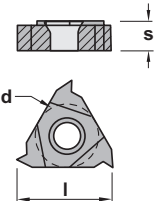
Axial: -10°
Radial: -1°



SXAN 90°

Ref.		h=h ₁	b	L ₁	L ₂	f	Insert size	Kg
	SXAN R/L 0808 M08	8	8	150	20	8	08 ER/L..	0,070
	SXAN R/L 1010 M08	10	10	150	20	10	08 ER/L..	0,100
	SXAN R/L 1212 M11	12	12	150	20	12	11 ER/L..	0,140
	SXAN R/L 1616 M16	16	16	150	22	16	16 ER/L..	0,270

Ref.						
	SXAN R/L 0808 M08	1225	5507	-	-	-
	SXAN R/L 1010 M08	1225	5507	-	-	-
	SXAN R/L 1212 M11	1225	5507	-	-	-
	SXAN R/L 1616 M16	1335	5515	3424	3425	1093

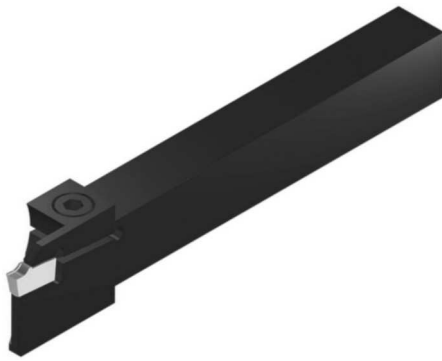
	E R/L			Negative triangular inserts for external threading		
	Ref.					
	08 ER/L..	8,00	4,76			
	11 ER/L..	11,00	6,35			
	16 ER/L..	16,50	9,52			
			For more information see page: H.06			
ER/L	ER/L TD					
						

Inserts

General turning

Aluminium
wheel turning

Automatic lathes

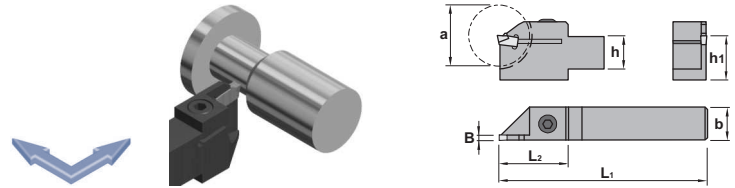
**Characteristics:**

One sided inserts with thickness from 1,6 to 6 mm.

The "V" positioning system of the pocket and the clamp integrated to the tool ensure maximum security and repetitivity on the dimensions when the insert is changed.

Applications:

Parting and grooving toolholder taht works well on steels, alloyed steels, stainless steels and refractories.

**CZCB**

Ref.		h	b	L1	L2	h1	B	a	Insert size	Kg
CZCB R/L 1010 J01		10	10	110	25	21	1,6	22	MRCN 1,6	0,080
CZCB R/L 1010 J02		10	10	110	25	21	2,2	22	MRCN 2,2	0,080
CZCB R/L 1212 J01		12	12	110	25	21	1,6	22	MRCN 1,6	0,100
CZCB R/L 1212 J02		12	12	110	25	21	2,2	22	MRCN 2,2	0,100
CZCB R/L 1612 J02		16	12	110	29	21	2,2	32	MRCN 2,2	0,150
CZCB R/L 1612 J03		16	12	110	29	21	3,0	32	MRCN 3,0	0,150
CZCB R/L 2016 K03		20	16	125	35	30	3,0	42	MRCN 3,0	0,350
CZCB R/L 2016 K04		20	16	125	35	30	4,0	42	MRCN 4,0	0,350
CZCB R/L 2016 K05		20	16	125	35	30	5,0	42	MRCN 5,0	0,350
CZCB R/L 2016 K06		20	16	125	35	30	6,0	42	MRCN 6,0	0,350
CZCB R/L 2520 M03		25	20	150	50	30	3,0	80	MRCN 3,0	0,550
CZCB R/L 2520 M04		25	20	150	50	30	4,0	80	MRCN 4,0	0,550
CZCB R/L 2520 M05		25	20	150	50	30	5,0	80	MRCN 5,0	0,550
CZCB R/L 2520 M06		25	20	150	50	30	6,0	80	MRCN 6,0	0,550

Ref.		
CZCB R/L 1010 J01	1905	5004
CZCB R/L 1010 J02	1905	5004
CZCB R/L 1212 J01	1905	5004
CZCB R/L 1212 J02	1905	5004
CZCB R/L 1612 J02	1916	5005
CZCB R/L 1612 J03	1916	5005
CZCB R/L 2016 K03	1906	5005
CZCB R/L 2016 K04	1906	5005
CZCB R/L 2016 K05	1906	5005
CZCB R/L 2016 K06	1906	5005
CZCB R/L 2520 M03	1906	5005
CZCB R/L 2520 M04	1906	5005
CZCB R/L 2520 M05	1906	5005
CZCB R/L 2520 M06	1906	5005

MRCN				Single-ended insert for parting and grooving		
Ref.	MRCN	s	r	For more information see page: G.03		
	MRCN 1,6	1,6	0,15			
	MRCN 2,2	2,2	0,20			
	MRCN 3,0	3,0	0,20			
	MRCN 4,0	4,0	0,20			
	MRCN 5,0	5,0	0,30			
	MRCN 6,0	6,0	0,40			
MRCN						

Nominal cutting speed and feed values for automatic lathes

Material	P	HB	Condition	Cutting speed m/min.						Specific cutting force K _{0.4}
				PM 25	PM 40	NC 25	TIN 16	TIN 22	TIN 32	
				0.3-0.6-1.2		0.1 - 0.3	0.1-0.4-0.8	0.1-0.4-0.8	0.2-0.5-1.2	
Unalloyed steel	P	125	C=0.15%	150 115 80		350 280	480 345 250	440 300 205	330 230 110	1900
		150	C=0.35%	145 105 70		270 230	440 315 230	400 275 190	300 210 150	2100
		200	C=0.60%	115 90 65		240 190	385 275 200	350 240 165	260 185 130	2250
Low alloyed steel	P	180	Annealed	90 70 45		300 260	380 265 195	320 220 170	200 140 100	2100
		275	Hardened	65 45 30		220 140	260 180 130	215 150 115	140 100 70	2600
		300	Hardened	60 40 25		230 180	240 165 120	200 135 105	125 90 60	2700
		350	Hardened	50 35 20		220 140	210 145 105	170 120 90	110 75 55	2850
High alloyed steel	P	200	Annealed	80 60 45		200 160	350 230 170	280 185 135	175 115 80	2600
		325	Hardened	40 25 20		200 160	170 110	120 80 60	85 55 40	3900
Stainless steel	P	200	Martensitic/Ferritic	110 95 75		270 130	295 240 190	275 210 165	225 180 145	2300
Steel castings	P	180	Unalloyed	60 50 35		300 260	260 185 145	230 160 120	135 105 75	2000
		200	Low alloyed	50 45 30		230 180	230 160 120	190 125 85	120 90 60	2500
		225	High alloyed	40 30 20		220 140	190 130 95	170 115 80	95 70 55	2700

Material	M	HB	Condition	Cutting speed m/min.							Specific cutting force K _{0.4}
				PM 25	PM 40	NC 25	TIN 16	TIN 17	TIN 22	TIN 32	
				0.1-0.3		0.1-0.3	0.1-0.4-0.8	0.1-0.3		0.2-0.4-0.6	
Stainless steel annealed	M	180	Austenitic Ni > 8%, Cr 12-25% Austenitic/Ferritic Austenitic/Ferritic, Low S	205 170		240 200	180 150 120	600 100		190 160 130	2450
							160 130	400 100		190 160 100	
							180 150 120	400 100		140 110	
Heat resistant alloys	M	200	Annealed					50 20		40 20	3000
		280	Aged					50 20		35 15	3050
		250	Annealed					40 15		25 8	3500
		350	Aged					35 20		15 4	4150
		320	Cast					25 10		15 4	4150
Titanium alloys	M	400	Ti					140 80			1530
		950	Cast a, almost a and a+b					45 25			
		1050	Aged cast a+b					45 25			

Material	K	HB	Condition	Cutting speed m/min.						Specific cutting force K _{0.4}
				KM 15	TIN 17	NC 25	TIN 16	TIN 22	ZR 10	
				0.2-0.5-1.0	0.2-0.5-1.0	0.2-0.5	0.2-0.5-1.0		0.2-0.5-1.0	
Hardened steel	K	350	Hardened steel	27 16 10	180 150 110		175 145 100			4500
		250	Manganese steel 12%	65 40 16	120 90 60		120 85 50			3600
Malleable cast iron	K	130	Ferritic	105 75 45	250 180 100		225 150 90			1100
		230	Pearlitic	80 60 30	160 100 60		155 95 55			1100
Cast iron	K	180	Low tensile strength	135 95 60	180 120 80	300 200	165 110 70			1100
		260	High tensile strength	95 65 40	140 105 60	250 180	120 90 55			1500
Nodular SG iron	K	160	Ferritic	115 80 45	220 180 100	250 180				1100
		250	Pearlitic	80 50 30	150 100 50	180 120				1800
Chilled cast iron	K	400		17 11	17 11					3000
Aluminium alloys	K	60	Non heat treatable	1750 1280 800	1750 1280 800				1750 1280 800	500
		100	Heat treatable	510 370 250	510 370 250				510 370 250	800
Aluminium alloys (Cast)	K	75	Non heat treatable	460 285 175	460 285 175				460 285 175	750
		90	Heat treatable	300 180 110	300 180 110				300 180 110	900
Bronze - Brass alloys	K	110	Lead alloys, Pb>1%	610 430 295	610 430 295				610 430 295	700
		90	Brass and bronze	310 250 195	310 250 195				310 250 195	750
		100	Inc. electrolytic copper	225 160 115	225 160 115				225 160 115	1750
Other materials	K		Hard plastics	380 240	380 240				380 240	
			Fibre	190 120	190 120				190 120	
			Hard rubber	225 160	225 160				225 160	