



 **ZENOBI** TOOLS  
PORTAINSERTI PER MECCANICA

## CARTUCCE



# CARTUCCE **E**

## CARTUCCE A STELO TONDO

Inserto positivo con foro E3

## CARTUCCE ISO

Inserto negativo CN E6

Inserto negativo SN E7

Inserto negativo TN E8

Inserto positivo con foro CC E9

Inserto positivo con foro SC E9

Inserto positivo con foro TC E10

Inserto positivo senza foro SP E11

Inserto positivo senza foro TP E12

**A**TORNITURA  
ESTERNA**B**TORNITURA  
INTERNA**C**

FILETTATURA

**D**TRONCATURA  
E SCANALATURA**E**

CARTUCCE

**F**

FORATURA

**G**BARENATURA  
REGOLABILE**H**


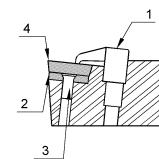
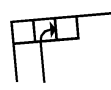
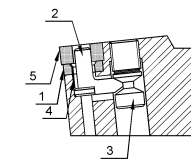

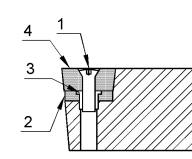
FRESATURA

# CHIAVE DEI CODICI CARTUCCE ISO









Cartucce

<b>P</b>	<b>C</b>	<b>L</b>	<b>N</b>	<b>R</b>	<b>16</b>	<b>C</b>	<b>A</b>	<b>-</b>	<b>12</b>
1	2	3	4	5	12	13	14	15	9

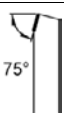

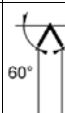
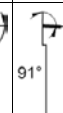
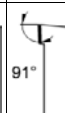
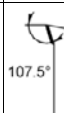
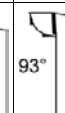


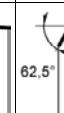
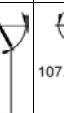
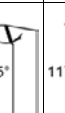
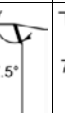
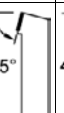
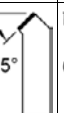
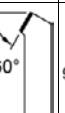
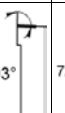
## 1 Sistema di bloccaggio

<b>C</b> Staffa	<b>P</b> Leva	<b>S</b> Vite
  1 STAFFA 2 BASE 3 SPINA 4 INSERTO	  1 BASE 2 LEVA 3 VITE 4 SPINA 5 INSERTO	  1 VITE 2 BASE 3 BUSSOLA 4 INSERTO


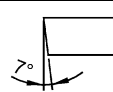
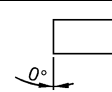
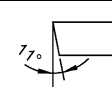
## 2 Forma inserto

<b>C</b>	<b>D</b>	<b>K</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>V</b>	<b>W</b>
							









## 3 Angolo di registrazione

<b>B</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>N</b>	<b>Q</b>	<b>P</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>U</b>	<b>V</b>
																

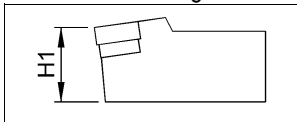
## 4 Angolo di spoglia inferiore dell'inserto

<b>B</b>	<b>C</b>	<b>N</b>	<b>P</b>
			

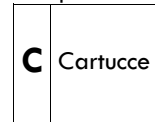
## 9 Lunghezza del tagliente

<b>C</b>	<b>D</b>	<b>K</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>V</b>	<b>W</b>
							

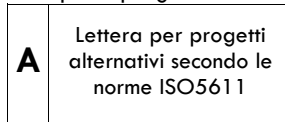
## 12 Altezza del tagliente



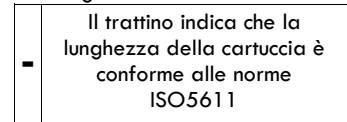
## 13 Tipo di utensile



## 14 Tipo di progetto



## 15 Lunghezza utensile

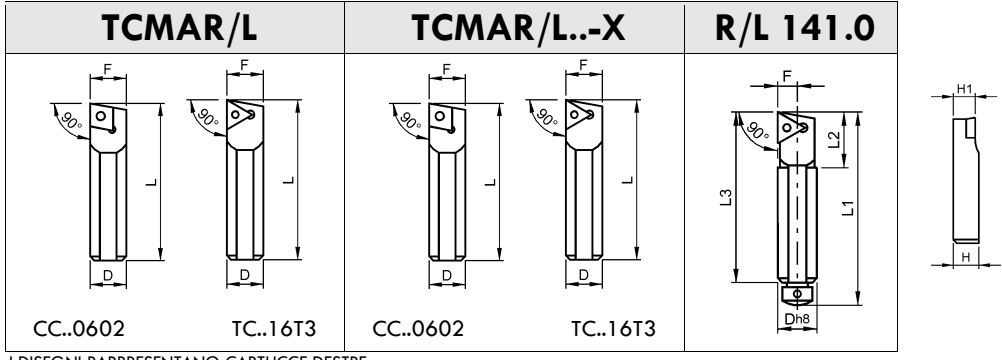


Le dimensioni degli utensili, per esigenze costruttive, possono essere suscettibili di variazioni senza preavviso

**INSERTO POSITIVO CON FORO**    INSERTI **CC..0602** (TCMA..)    **CARTUCCE A STELO TONDO**

**CC/TC**    **TC..16T3**    **TC..06T1** (R/L 141.0)    **90°**

Angolo di registrazione



I DISEGNI RAPPRESENTANO CARTUCCE DESTRE

**BLOCCAGGIO A VITE • TCMAR/L**

INSERTO	CODICE D'ORDINE	D	H	H1	F	L					
CC..0602	TCMAR/L 08-06	8	7	7	8	50	V28	Tx7	-	-	-
	TCMAR/L 10-06	10	9	9	10	50					
	TCMAR/L 12-06	12	11	11	12	50					
TC..16T3	TCMAR/L 16-16	16	14.5	14.5	17	60	V4	Tx15	W3	X01	3.5
	TCMAR/L 20-16	20	18.5	18.5	22	60					
	TCMAR/L 25-16	25	23.5	23.5	26	60					

**BLOCCAGGIO A VITE • TCMAR/L..-X**

INSERTO	CODICE D'ORDINE	D	H	H1	F	L		
CC..0602	TCMAR/L 08-06-X	8	7	4	8	50	V28	Tx7
	TCMAR/L 10-06-X	10	9	5	10	50		
	TCMAR/L 12-06-X	12	11	6	12	50		
TC..16T3	TCMAR/L 16-16-X	16	14.5	8	17	60	V4c	Tx15

**BLOCCAGGIO A VITE • R/L 141.0**

	CODICE D'ORDINE	D	H/H1	L1	L2	L3	F							
06	R/L 141.0 08-06	8	7	-	10.5	30	4	V20	Tx6	-	-	-	-	-
09	R/L 141.0 10-09	10	8.5	-	14	50	5.1	V22	Tx7	-	-	-	-	-
11	R/L 141.0 12-11	12	10.5	68	15.3	60	6	V25	Tx7	-	-	-	VA6	
	R/L 141.0 16-11	16	14	98	15.3	90	7.5							
16	R/L 141.0 20-16	20	17	128	19	120	10.7	V35	Tx15	W3	X01	3.5	VA8	

INSERTO POSITIVO CON FORO

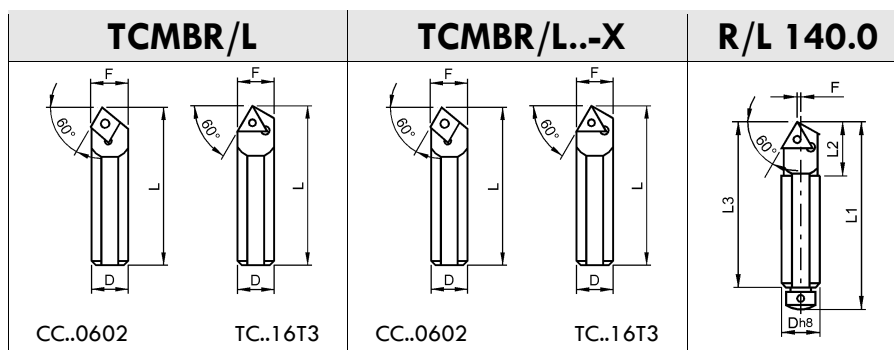
INSERTI CC..0602 (TCMB..)  
TC..16T3

**CARTUCCE  
A STELO TONDO**

**CC/TC**

TC..06T1 (R/L 140.0)  
TC..0902  
TC..1102  
TC..16T3

Angolo di registrazione **60°**



I DISEGNI RAPPRESENTANO CARTUCCE DESTRE

**BLOCCAGGIO A VITE • TCMBR/L**

INSERTO	CODICE D'ORDINE	D	H	H1	F	L					
CC..0602	TCMBR/L 08-06	8	7	7	8.5	50	V28	Tx7	-	-	-
	TCMBR/L 10-06	10	9	9	10.5	50					
	TCMBR/L 12-06	12	11	11	12	50					
TC..16T3	TCMBR/L 16-16	16	14.5	14.5	18.5	60	V4	Tx15	W3	X01	3.5
	TCMBR/L 20-16	20	18.5	18.5	22	60	V35	Tx15			
	TCMBR/L 25-16	25	23.5	23.5	27	60					

**BLOCCAGGIO A VITE • TCMBR/L..-X**

INSERTO	CODICE D'ORDINE	D	H	H1	F	L		
CC..0602	TCMBR/L 08-06-X	8	7	4	8.5	50	V28	Tx7
	TCMBR/L 10-06-X	10	9	5	10.5	50		
	TCMBR/L 12-06-X	12	11	6	12	50		
TC..16T3	TCMBR/L 16-16-X	16	14.5	8	18.5	60	V4c	Tx15

**BLOCCAGGIO A VITE • R/L 140.0**

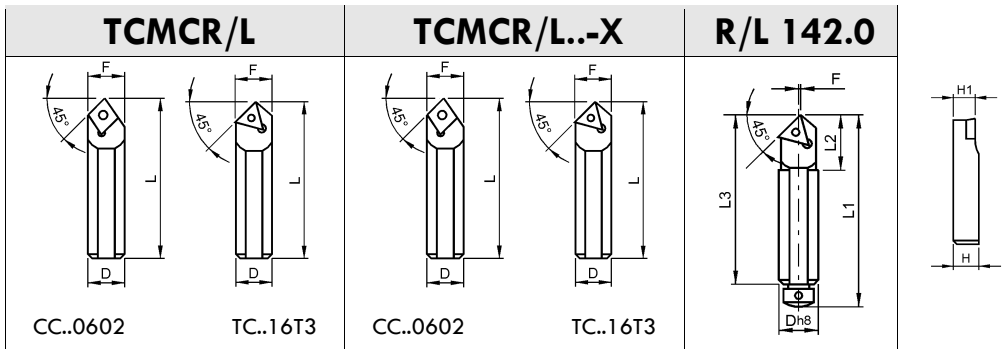
	CODICE D'ORDINE	D	H/H1	L1	L2	L3	F						
06	R/L 140.0 08-06	8	7	-	10.6	30	1.5	V20	Tx6	-	-	-	-
09	R/L 140.0 10-09	10	8.5	-	13.4	50	1.7	V22	Tx7				
11	R/L 140.0 12-11	12	10.5	68	15.4	60	2.2	V25	Tx7	-	-	-	VA6
	R/L 140.0 16-11	16	14	98	15.4	90	2.2						VA8
16	R/L 140.0 20-16	20	17	128	19	120	2.4	V35	Tx15	W3	X01	3.5	VA8

**INSERTO POSITIVO CON FORO**    INSERTI **CC..0602** (TCMC..)    **CARTUCCE A STELO TONDO**

**CC/TC**    **TC..16T3**

**TC..06T1** (R/L 142.0)  
**TC..0902**  
**TC..1102**  
**TC..16T3**

Angolo di registrazione **45°**



I DISEGNI RAPPRESENTANO CARTUCCE DESTRE

**BLOCCAGGIO A VITE • TCMCR/L**

INSERTO	CODICE D'ORDINE	D	H	H1	F	L					
CC..0602	TCMCR/L 08-06	8	7	7	8	50	V28	Tx7	-	-	-
	TCMCR/L 10-06	10	9	9	10	50					
	TCMCR/L 12-06	12	11	11	11	50					
TC..16T3	TCMCR/L 16-16	16	14.5	14.5	18	60	V4	Tx15			
	TCMCR/L 20-16	20	18.5	18.5	22	60	V35	Tx15	W3	X01	3.5
	TCMCR/L 25-16	25	23.5	23.5	27	60					

**BLOCCAGGIO A VITE • TCMCR/L..-X**

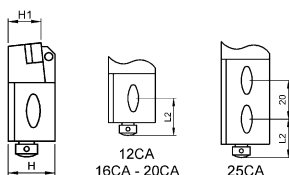
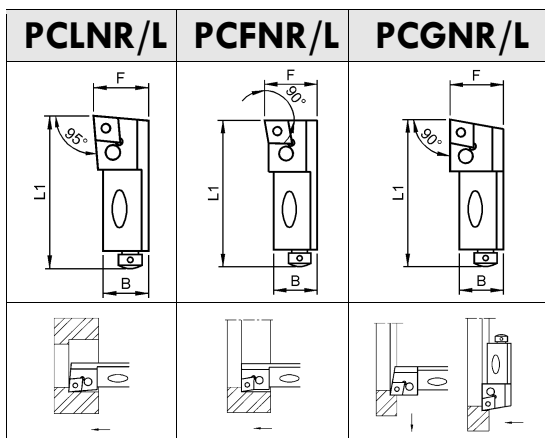
INSERTO	CODICE D'ORDINE	D	H	H1	F	L		
CC..0602	TCMCR/L 08-06-X	8	7	4	8	50	V28	Tx7
	TCMCR/L 10-06-X	10	9	5	10	50		
	TCMCR/L 12-06-X	12	11	6	12	50		
TC..16T3	TCMCR/L 16-16-X	16	14.5	8	17	60	V4c	Tx15

**BLOCCAGGIO A VITE • R/L 142.0**

	CODICE D'ORDINE	D	H/H1	L1	L2	L3	F						
06	R/L 142.0 08-06	8	7	-	10.6	30	0.4	V20	Tx6				
09	R/L 142.0 10-09	10	8.5	-	13.4	50	-0.2	V22	Tx7				
11	R/L 142.0 12-11	12	10.5	68	15.4	60	0.5	V25	Tx7	-	-	-	VA6
	R/L 142.0 16-11	16	14	98	15.4	90	0.5						
16	R/L 142.0 20-16	20	17	128	19	120	-0.7	V35	Tx15	W3	X01	3.5	VA8

**CN**

95°      90°      90°



MISURA	L2
12CA	20 mm
16CA	25 mm
20CA	30 mm
25CA	35 mm

I DISEGNI RAPPRESENTANO CARTUCCE DESTRE • ANGOLO DI INCLINAZIONE =  $\Omega$  • ANGOLO DI SPOGLIA SUPERIORE =  $\pi$

**BLOCCAGGIO A LEVA • PCLNR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
12	PCLNR/L 12CA-12	20	12	15	55	20	50	-8°	-8°	-	114	124	-	2.5
	PCLNR/L 16CA-12	25	16	20	63	25	55	-8°	-8°	A1	112	122	D1	3
16	PCLNR/L 20CA-16	30	20	20	70	25	70	-8°	-8°	Y2	B5	C5c	D5	4
19	PCLNR/L 25CA-19	38	25	25	100	32	100	-8°	-8°	A2	113	123	131	

**BLOCCAGGIO A LEVA • PCFNR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
12	PCFNR/L 12CA-12	20	12	15	55	20	50	-10°	-6°	-	114	124	-	2.5
	PCFNR/L 16CA-12	25	16	20	63	25	55	-8°	-6°	A1	112	122	D1	3
16	PCFNR/L 20CA-16	30	20	20	70	25	70	-8°	-6°	Y2	B5	C5c	D5	4
19	PCFNR/L 25CA-19	38	25	25	100	32	100	-8°	-6°	A2	113	123	131	

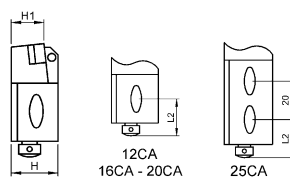
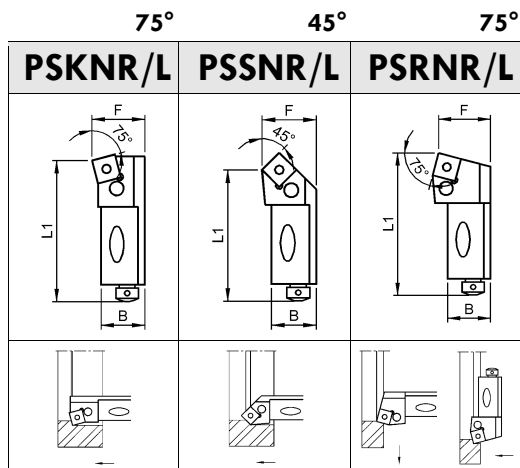
**BLOCCAGGIO A LEVA • PCGNR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
12	PCGNR/L 16CA-12	25	16	20	63	25	60	-6°	-10°	A1	112	122	D1	3
19	PCGNR/L 25CA-19	38	25	25	100	32	100	-6°	-8°	A2	113	123	131	4

RICAMBI CARTUCCE					
..12CA	GRL12	2	VA5	VB12	4
..16CA	GRL16	2.5	VA6	VB16	5
..20CA	GRL20	2.5	VA6	VB20	
..25CA	GRL25	3	VA8	VB25 (n°2)	6



**SN**



MISURA	L2
12CA	20 mm
16CA	25 mm
20CA	30 mm
25CA	35 mm

I DISEGNI RAPPRESENTANO CARTUCCE DESTRE • ANGOLO DI INCLINAZIONE =  $\Omega$  • ANGOLO DI SPOGLIA SUPERIORE =  $\pi$

**BLOCCAGGIO A LEVA • PSKNR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
12	PSKNR/L 12CA-12	20	12	15	55	20	50	-8°	-6°	-	114	124	-	2.5
	PSKNR/L 16CA-12	25	16	20	63	25	55	-8°	-6°	A4	112	122	D1	3
15	PSKNR/L 20CA-15	30	20	20	70	25	70	-8°	-6°	Y1	B5	C5c	D5	
19	PSKNR/L 25CA-19	38	25	25	100	32	100	-8°	-6°	A5	113	123	131	4

**BLOCCAGGIO A LEVA • PSSNR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
12	PSSNR/L 12CA-12	20	12	15	47	20	50	-3°	-10°	-	114	124	-	2.5
	PSSNR/L 16CA-12	25	16	20	53	25	55	0°	-11°	A4	112	122	D1	3
15	PSSNR/L 20CA-15	30	20	20	60	25	70	-3°	-10°	Y1	B5	C5c	D5	

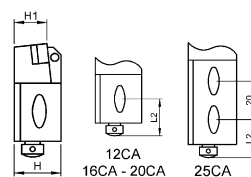
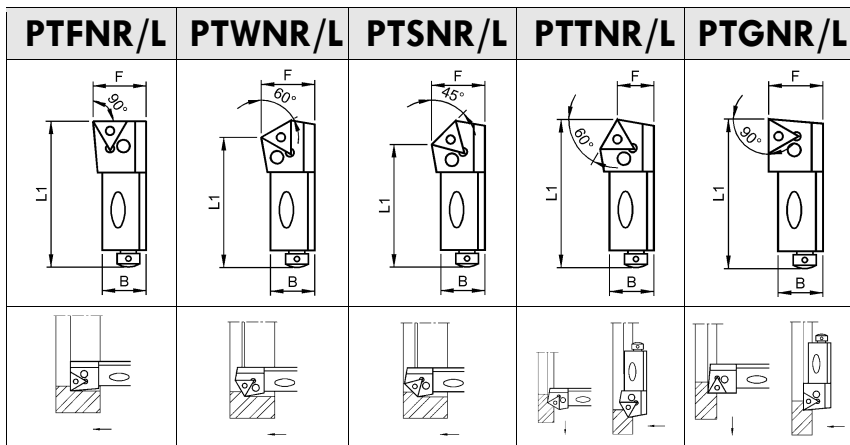
**BLOCCAGGIO A LEVA • PSRRR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
12	PSRRR/L 16CA-12	25	16	20	63	25	60	-6°	-10°	A4	112	122	D1	3
15	PSRRR/L 20CA-15	30	20	20	70	25	70	-6°	-10°	Y1	B5	C5c	D5	

RICAMBI CARTUCCE					
..12CA	GRL12	2	VA5	VB12	4
..16CA	GRL16	2.5	VA6	VB16	5
..20CA	GRL20	2.5	VA6	VB20	
..25CA	GRL25	3	VA8	VB25 (n°2)	6

**TN**

90° 60° 45° 60° 90°



MISURA	L2
12CA	20 mm
16CA	25 mm
20CA	30 mm
25CA	35 mm

Direzioni di Avanzamento

I DISEGNI RAPPRESENTANO CARTUCCE DESTRE • ANGOLO DI INCLINAZIONE = Ω • ANGOLO DI SPOGLIA SUPERIORE = π

**BLOCCAGGIO A LEVA • PTFNR/L**

△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	Ω	π	△	👤	🔧	📄	🔧
16	PTFNR/L 12CA-16	20	12	15	55	20	50	-10°	-6°	-	111	121	-	2
	PTFNR/L 16CA-16	25	16	20	63	25	55	-8°	-6°	A6	B4	C3	D3	2.5
22	PTFNR/L 20CA-22	30	20	20	70	25	70	-8°	-6°	A7	B1	C1	D1	3
27	PTFNR/L 25CA-27	38	25	25	100	32	100	-8°	-6°	H1	H2	H5	D5	

**BLOCCAGGIO A LEVA • PTWNR/L**

△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	Ω	π	△	👤	🔧	📄	🔧
16	PTWNR/L 12CA-16	20	12	15	47	20	50	-6°	-7°	-	111	121	-	2
	PTWNR/L 16CA-16	25	16	20	53	25	55	-6°	-6°	A6	B4	C3	D3	2.5
22	PTWNR/L 20CA-22	30	20	20	60	25	70	-6°	-6°	A7	B1	C1	D1	3

**BLOCCAGGIO A LEVA • PTSNR/L**

△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	Ω	π	△	👤	🔧	📄	🔧
16	PTSNR/L 12CA-16	20	12	15	47	20	50	-3°	-10°	-	111	121	-	2
	PTSNR/L 16CA-16	25	16	20	53	25	55	0°	-11°	A6	B4	C3	D3	2.5
22	PTSNR/L 20CA-22	30	20	20	60	25	70	0°	-11°	A7	B1	C1	D1	3

**BLOCCAGGIO A LEVA • PTTNR/L**

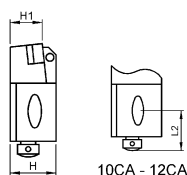
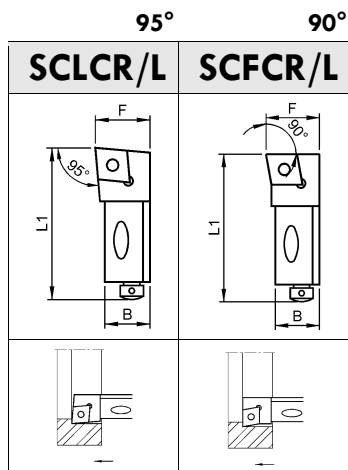
△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	Ω	π	△	👤	🔧	📄	🔧
16	PTTNR/L 12CA-16	20	12	15	55	13	50	-2°	-9°	-	111	121	-	2
	PTTNR/L 16CA-16	25	16	20	63	15	60	-2°	-10°	A6	B4	C3	D3	2.5
22	PTTNR/L 20CA-22	30	20	20	70	15	70	-2°	-10°	A7	B1	C1	D1	3

**BLOCCAGGIO A LEVA • PTGNR/L**

△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	Ω	π	△	👤	🔧	📄	🔧
16	PTGNR/L 12CA-16	20	12	15	55	20	50	-6°	-10°	-	111	121	-	2
	PTGNR/L 16CA-16	25	16	20	63	25	60	-6°	-10°	A6	B4	C3	D3	2.5
22	PTGNR/L 20CA-22	30	20	20	70	25	70	-6°	-8°	A7	B1	C1	D1	3

RICAMBI CARTUCCE	🔧	🔧	🔧	🔧	🔧
..12CA	GRL12	2	VA5	VB12	4
..16CA	GRL16	2.5	VA6	VB16	5
..20CA	GRL20	2.5	VA6	VB20	5
..25CA	GRL25	3	VA8	VB25 (n°2)	6

CC



MISURA	L2
10CA	20 mm
12CA	20 mm

I DISEGNI RAPPRESENTANO CARTUCCE DESTRE • ANGOLO DI INCLINAZIONE =  $\Omega$  • ANGOLO DI SPOGLIA SUPERIORE =  $\pi$

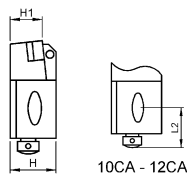
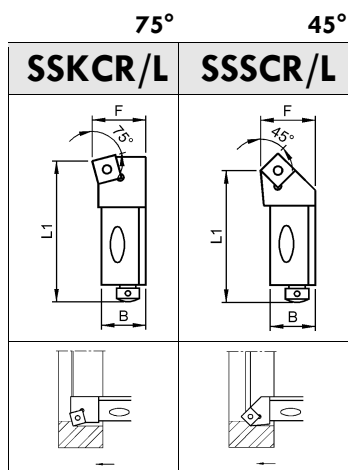
**BLOCCAGGIO A VITE • SCLCR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$		
09	SCLCR/L 10CA-09	15	10	11	50	14	40	-5°	0°	V4c	Tx15
12	SCLCR/L 12CA-12	20	12	15	55	20	50	-5°	0°	V5	Tx20

**BLOCCAGGIO A VITE • SCFCR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$		
09	SCFCR/L 10CA-09	15	10	11	50	14	40	-5°	0°	V4c	Tx15
12	SCFCR/L 12CA-12	20	12	15	55	20	50	-5°	0°	V5	Tx20

SC



MISURA	L2
10CA	20 mm
12CA	20 mm

I DISEGNI RAPPRESENTANO CARTUCCE DESTRE • ANGOLO DI INCLINAZIONE =  $\Omega$  • ANGOLO DI SPOGLIA SUPERIORE =  $\pi$

**BLOCCAGGIO A VITE • SSKCR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$		
09	SSKCR/L 10CA-09	15	10	11	50	14	40	-4°	0°	V4c	Tx15
12	SSKCR/L 12CA-12	20	12	15	55	20	50	-4°	0°	V5	Tx20

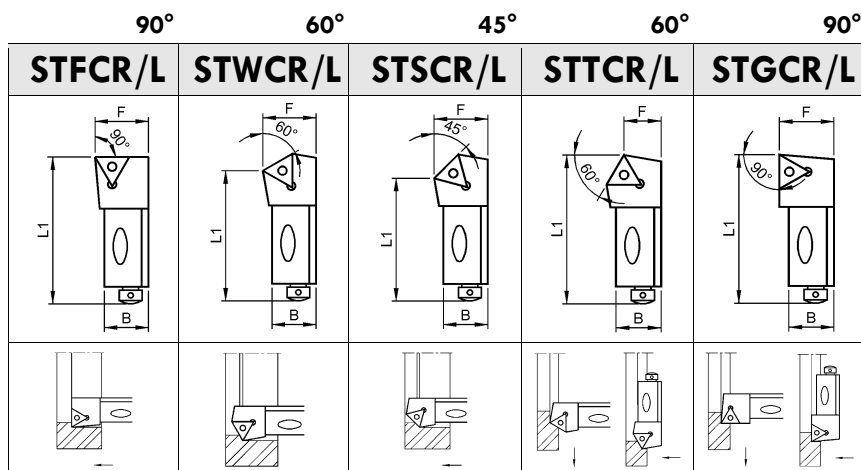
**BLOCCAGGIO A VITE • SSSCR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$		
09	SSSCR/L 10CA-09	15	10	11	44	14	40	-5°	0°	V4c	Tx15
12	SSSCR/L 12CA-12	20	12	15	47	20	50	-5°	0°	V5	Tx20

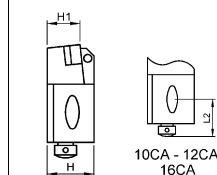
RICAMBI CARTUCCE					
..10CA	GR10	2	VA5	VB10	4
..12CA	GR12	2	VA5	VB12	

A  
TORNITURA ESTERNA  
B  
TORNITURA INTERNA  
C  
FILETTATURA  
D  
TRONCATURA E SCANALATURA  
E  
CARTUCCE  
F  
FORATURA  
G  
BARENATURA REGOLABILE  
H  
FRESATURA

TC



MISURA	L2
10CA	20 mm
12CA	20 mm
16CA	25 mm

Direzioni di  
AvanzamentoI DISEGNI RAPPRESENTANO CARTUCCE DESTRE • ANGOLO DI INCLINAZIONE =  $\Omega$  • ANGOLO DI SPOGLIA SUPERIORE =  $\pi$ 

## BLOCCAGGIO A VITE • STFCLR/L

	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
11		STFCLR/L 10CA-11	15	10	11	50	14	40	-3°	0°	V25	Tx7	-	-	-
16		STFCLR/L 12CA-16	20	12	15	55	20	50	-3°	0°	V4c	Tx15	-	-	-
		STFCLR/L 16CA-16	21	16	20	63	25	55	-6°	0°	V35	Tx15	W3	X01	3,5

## BLOCCAGGIO A VITE • STWCLR/L

	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
11		STWCLR/L 10CA-11	15	10	11	44	14	40	-4°	0°	V25	Tx7	-	-	-
16		STWCLR/L 12CA-16	20	12	15	47	20	50	0°	-5°	V4c	Tx15	-	-	-
		STWCLR/L 16CA-16	21	16	20	53	25	55	-5°	-5°	V35	Tx15	W3	X01	3,5

## BLOCCAGGIO A VITE • STSCLR/L

	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
11		STSCLR/L 10CA-11	15	10	11	44	14	40	0°	-4°	V25	Tx7	-	-	-
16		STSCLR/L 12CA-16	20	12	15	47	20	50	0°	-5°	V4c	Tx15	-	-	-
		STSCLR/L 16CA-16	21	16	20	53	25	55	-3°	-6°	V35	Tx15	W3	X01	3,5

## BLOCCAGGIO A VITE • STTCLR/L

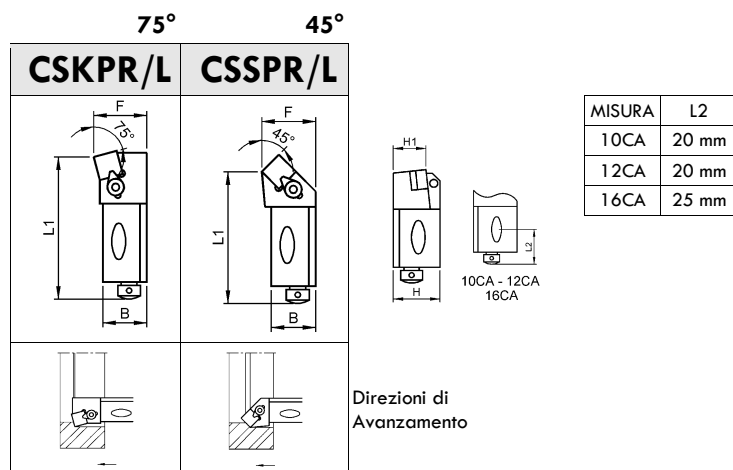
	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
11		STTCLR/L 10CA-11	15	10	11	50	9	40	0°	-5°	V25	Tx7	-	-	-
16		STTCLR/L 12CA-16	20	12	15	55	13	50	0°	-3°	V4c	Tx15	-	-	-
		STTCLR/L 16CA-16	21	16	20	63	15	60	0°	-5°	V35	Tx15	W3	X01	3,5

## BLOCCAGGIO A VITE • STGCLR/L

	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$					
11		STGCLR/L 10CA-11	15	10	11	50	14	40	0°	-3°	V25	Tx7	-	-	-
16		STGCLR/L 12CA-16	20	12	15	55	20	50	0°	-3°	V4c	Tx15	-	-	-
		STGCLR/L 16CA-16	21	16	20	63	25	60	-3°	-5°	V35	Tx15	W3	X01	3,5

RICAMBI CARTUCCE					
..10CA	GR10	2	VA5	VB10	4
..12CA	GR12	2	VA5	VB12	
..16CA	GR16	2	VA6	VB16	5

**SP**



I DISEGNI RAPPRESENTANO CARTUCCE DESTRE • ANGOLO DI INCLINAZIONE =  $\Omega$  • ANGOLO DI SPOGLIA SUPERIORE =  $\pi$

**BLOCCAGGIO A STAFFA • CSKPR/L**

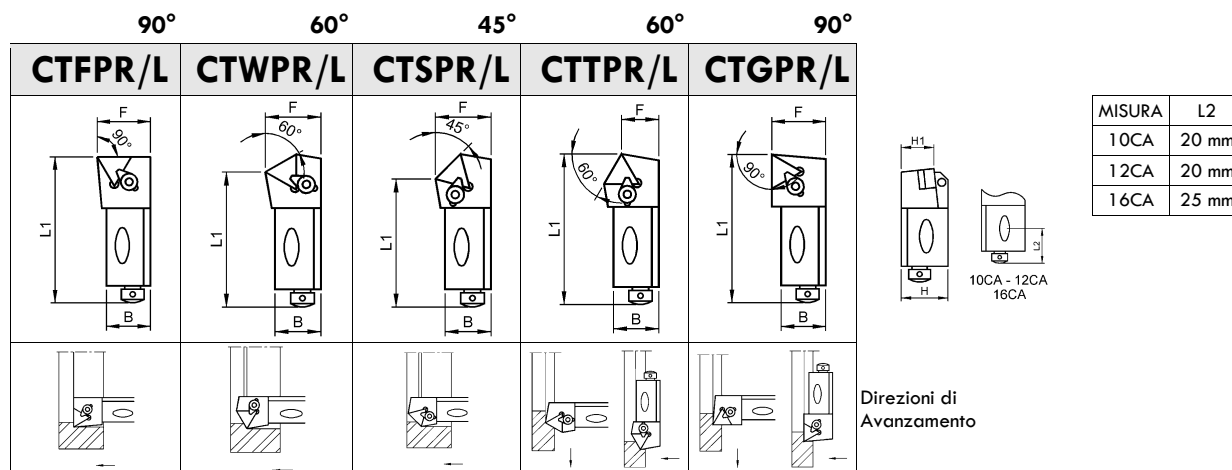
	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$				
09	CSKPR/L 10CA-09	15	10	11	50	14	40	0°	6°	04	2.5	-	-
12	CSKPR/L 12CA-12	20	12	15	55	20	50	0°	6°	07	3	-	-
	CSKPR/L 16CA-12	21	16	20	63	25	55	0°	6°	07	3	A11	L1

**BLOCCAGGIO A STAFFA • CSSPR/L**

	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$				
12	CSSPR/L 12CA-12	20	12	15	47	20	50	0°	5°	07	3	-	-

RICAMBI CARTUCCE					
..10CA	GR10	2	VA5	VB10	4
..12CA	GR12	2	VA5	VB12	
..16CA	GR16	2	VA6	VB16	5

A  
TORNITURA ESTERNA  
B  
TORNITURA INTERNA  
C  
FILETTATURA  
D  
TRONCATURA E SCANALATURA  
E  
CARTUCCE  
F  
FORATURA  
G  
BARENATURA REGOLABILE  
H  
FRESATURA



I DISEGNI RAPPRESENTANO CARTUCCE DESTRE • ANGOLO DI INCLINAZIONE =  $\Omega$  • ANGOLO DI SPOGLIA SUPERIORE =  $\pi$

### BLOCCAGGIO A STAFFA • CTFPR/L

	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$				
11		CTFPR/L 10CA-11	15	10	11	50	15	40	0°	6°	04	2.5	-	-
16		CTFPR/L 12CA-16	20	12	15	55	20	50	0°	6°	07	3	-	-
		CTFPR/L 16CA-16	21	16	20	63	25	55	0°	6°	07	3	A8	L1

### BLOCCAGGIO A STAFFA • CTWPR/L

	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$				
11		CTWPR/L 10CA-11	15	10	11	44	14	40	0°	6°	04	2.5	-	-
16		CTWPR/L 12CA-16	20	12	15	47	20	50	0°	6°	07	3	-	-
		CTWPR/L 16CA-16	21	16	20	53	25	55	0°	4°	07	3	A8	L1

### BLOCCAGGIO A STAFFA • CTSPR/L

	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$				
11		CTSPR/L 10CA-11	15	10	11	44	14	40	0°	4°	04	2.5	-	-
16		CTSPR/L 12CA-16	20	12	15	47	20	50	0°	5°	07	3	-	-
		CTSPR/L 16CA-16	21	16	20	53	25	55	0°	4°	07	3	A8	L1

### BLOCCAGGIO A STAFFA • CTTPR/L

	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$				
11		CTTPR/L 10CA-11	15	10	11	50	9	40	0°	5°	04	2.5	-	-
16		CTTPR/L 12CA-16	20	12	15	55	13	50	0°	5°	07	3	-	-
		CTTPR/L 16CA-16	21	16	20	63	15	60	0°	3°	07	3	A8	L1

### BLOCCAGGIO A STAFFA • CTGPR/L

	△	CODICE D'ORDINE	H	H1	B	L1	F	Dmin	$\Omega$	$\pi$				
11		CTGPR/L 10CA-11	15	10	11	50	14	40	0°	4°	04	2.5	-	-
16		CTGPR/L 12CA-16	20	12	15	55	20	50	0°	4°	07	3	-	-
		CTGPR/L 16CA-16	21	16	20	63	25	60	0°	3°	07	3	A8	L1

RICAMBI CARTUCCE					
..10CA	GR10	2	VA5	VB10	4
..12CA	GR12	2	VA5	VB12	
..16CA	GR16	2	VA6	VB16	5



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