



PASTILHAS PARA SANGRAR

MRCN		s	r	HM15	PM25	PM40	TN16	TN17	TN22	TN32	ZF10	Ti40
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										

MRCR/L		s	r	HM15	PM25	PM40	TN16	TN17	TN22	TN32	ZF10	Ti40
MRCR 3.0	3.0	0.20										
MRCR 4.0	4.0	0.20										
MRCL 3.0	3.0	0.20										
MRCL 4.0	4.0	0.20										

MTE		s	r	HM15	PM25	PM40	TN16	TN17	TN22	TN32	ZF10	Ti40
MTE 3.0	3.0	0.20										
MTE 4.0	4.0	0.20										

MTC		s	r	HM15	PM25	PM40	TN16	TN17	TN22	TN32	ZF10	Ti40
MTC 3.0	3.0	0.15										
MTC 4.0	4.0	0.20										

MTCJ		s	r	HM15	PM25	PM40	TN16	TN17	TN22	TN32	ZF10	Ti40
MTCJ 3.0	3.0	0.15										
MTCJ 4.0	4.0	0.20										

MTR		s	r	HM15	PM25	PM40	TN16	TN17	TN22	TN32	ZF10	Ti40
MTR 3.0	3.0	1.50										
MTR 3.8	3.8	1.90										

MTRJ		s	r	HM15	PM25	PM40	TN16	TN17	TN22	TN32	ZF10	Ti40
MTRJ 3.0	3.0	1.50										
MTRJ 3.8	3.8	1.90										

PTNT		s	HM15	PM25	PM40	TN16	TN17	TN22	TN32	ZF10	Ti40
PTNT 02	2.10										
PTNT 03	3.10										
PTNT 04	4.10										
PTNT 05	5.10										
PTNT 06	6.10										
PTNT 08	8.10										
PTNT 09	9.10										

PTR/LT		s	HM15	PM25	PM40	TN16	TN17	TN22	TN32	ZF10	Ti40
PTRT 03 R8	3.0										
PTRT 04 R8	4.0										
PTLT 03 R8	3.0										
PTLT 04 R8	4.0										

SISTEMA MODULAR de SANGRAR

Characteristics:
Modular system for inserts with thickness from 3 to 4 mm. The "V" positioning system of the pocket and the clamp integrated to the tool ensure maximum security and repeatability on the dimensions when the insert is changed.

Applications:
Parting, grooving and face grooving toolholder that works well on steels, alloyed steels, stainless steels and refractories.

CZGB		h	b	L1	L2	h1	B	T	Δ
Ref.	CZGB R/L 2020 M34	20	20	150	53	20	3-4	25-30	0.600
	CZGB R/L 2525 M34	25	25	150	53	25	3-4	25-30	0.750
	CZGB R/L 3232 P34	32	32	170	53	32	3-4	25-30	1.300

Ref.	CZGB R/L 2020 M34	1096		1240		5005		5515	
	CZGB R/L 2525 M34	1096		1240		5005		5515	
	CZGB R/L 3232 P34	1096		1240		5005		5515	

Characteristics:
Modular system for inserts with thickness from 3 to 4 mm. The "V" positioning system of the pocket and the clamp integrated to the tool ensure maximum security and repeatability on the dimensions when the insert is changed.

Applications:
Parting, grooving and face grooving toolholder that works well on steels, alloyed steels, stainless steels and refractories.

CZFB		h	b	L1	L2	h1	B	T	Δ
Ref.	CZFB R/L 2525 M34	25	25	150	25	25	3-4	25-30	0.750
	CZFB R/L 3232 P34	32	32	170	25	32	3-4	25-30	1.300

Ref.	CZFB R/L 2525 M34	1096		1240		5005		5515	
	CZFB R/L 3232 P34	1096		1240		5005		5515	

CZXB 00		L	L2	B	Ø Range	Insert size
Ref.	CZXB R/L 00X03	53	25	3	40 - 50	MRCN 03
	CZXB R/L 00X04	53	25	4	40 - 50	MRCN 04

CZXB 40-50		L	L2	B	Ø Range	Insert size
Ref.	CZXB R/L 4050X03	53	20	3	40 - 50	MTE 03
	CZXB R/L 4050X04	53	20	4	40 - 50	MTE 04

CZXB 50-65		L	L2	B	Ø Range	Insert size
Ref.	CZXB R/L 5065X03	53	20	3	50 - 65	MTE 03
	CZXB R/L 5065X04	53	20	4	50 - 65	MTE 04

CZXB 65-92		L	L2	B	Ø Range	Insert size
Ref.	CZXB R/L 6592X03	53	20	3	65 - 92	MTE 03
	CZXB R/L 6592X04	53	20	4	65 - 92	MTE 04

CZXB 90-122		L	L2	B	Ø Range	Insert size
Ref.	CZXB R/L 90122X03	53	25	3	90 - 122	MTE 03
	CZXB R/L 90122X04	53	25	4	90 - 122	MTE 04

CZXB 120-160		L	L2	B	Ø Range	Insert size
Ref.	CZXB R/L 120160X03	53	25	3	120 - 160	MTE 03
	CZXB R/L 120160X04	53	25	4	120 - 160	MTE 04

CZXB 150-500		L	L2	B	Ø Range	Insert size
Ref.	CZXB R/L 150500X03	53	25	3	150 - 500	MTE 03
	CZXB R/L 150500X04	53	25	4	150 - 500	MTE 04

MRCN / MTE		s	r	Single-ended insert for parting and grooving
Ref.	MRCN 03 / MTE 03	3.0	0.20	
	MRCN 04 / MTE 04	4.0	0.20	

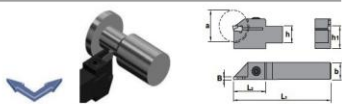
MRCN	MTE

For more information see page: G.03

FERROS de SANGRAR ESQ./DIR. DE 1.6-6MM



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 repeatably on the dimensions when the insert is changed.
Applications:
Parting, grooving and side turning toolholder that works well on steels, alloyed steels, stainless steels and refractories.



CZCB

Ref.	h	b	L1	L2	h1	B	a	Insert size	
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	1,8	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

Ref.	MRCN	s	r	Single-ended insert for parting and grooving
	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	

For more information see page: G.03

FERROS de SANGRAR ESQ./DIR. DE 3-4MM



Characteristics:
Double sided inserts with thickness from 3 to 4 mm.
The "V" positioning system of the pocket and the clamp integrated to the tool ensure maximum security and repeatably on the dimensions when the insert is changed.
Applications:
Face grooving and side turning toolholder that works well on steels, alloyed steels, stainless steels and refractories.



CZCF

Ref.	h=h1	b	L1	L2	B	a	Insert size	
CZCF R/L 1616 H34	16	16	100	24	3-4	4,5	MT. 3,0-4,0	0,200
CZCF R/L 2020 K34	20	20	125	24	3-4	4,5	MT. 3,0-4,0	0,300
CZCF R/L 2525 M34	25	25	150	24	3-4	4,5	MT. 3,0-4,0	0,450

Ref.	MT...	s	r	Double-ended insert for turning and grooving.
	MTC 3,0	3,0	0,15	
	MTC 4,0	4,0	0,20	
	MTR 3,0	3,0	1,50	
	MTR 3,8	3,8	1,90	

For more information see page: G.03



Characteristics:
Double sided inserts with thickness from 3 to 3,8 mm.
The "V" positioning system of the pocket and the clamp integrated to the tool ensure maximum security and repeatably on the dimensions when the insert is changed.
Applications:
Parting, grooving and side turning toolholder that works well on steels, alloyed steels, stainless steels and refractories.



CZCP

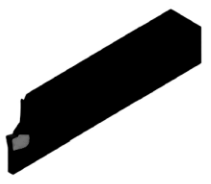
Ref.	h=h1	b	L1	L2	B	a	Insert size	
CZCP R/L 1616 H34	16	16	100	30	3-4	12	MT. 3,0-4,0	0,200
CZCP R/L 2020 K34	20	20	125	30	3-4	12	MT. 3,0-4,0	0,300
CZCP R/L 2525 M34	25	25	150	30	3-4	12	MT. 3,0-4,0	0,450

Ref.	CZCP R/L 1616 H34	1916	5005
	CZCP R/L 2020 K34	1905	5005
	CZCP R/L 2525 M34	1906	5005

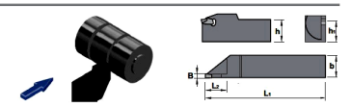
Ref.	MT...	s	r	Double-ended insert for turning and grooving.
	MTC 3,0	3,0	0,15	
	MTC 4,0	4,0	0,20	
	MTR 3,0	3,0	1,50	
	MTR 3,8	3,8	1,90	

For more information see page: G.03

FERROS de SANGRAR ESQ./DIR. DE 1.6-6MM



Characteristics:
One sided inserts with thickness from 2 to 4 mm.
The "V" positioning system of the pocket and the clamp integrated to the tool ensure maximum security and repeatably on the dimensions when the insert is changed.
Applications:
Parting and grooving toolholder that works well on steels, alloyed steels, stainless steels and refractories.



XLFC

Ref.	h=h1	b	L1	L2	B	Insert size	
XLFC R/L 1010 J02	10	10	110	18	2	PTNT 02	0,080
XLFC R/L 1210 J02	12	10	110	18	2	PTNT 02	0,100
XLFC R/L 1212 J02	12	12	110	18	2	PTNT 02	0,100
XLFC R/L 1612 J03	16	12	110	20	3	PTNT 03	0,150
XLFC R/L 1612 J04	16	12	110	20	4	PTNT 04	0,150
XLFC R/L 2012 K03	20	12	125	20	3	PTNT 03	0,200
XLFC R/L 2012 K04	20	12	125	20	4	PTNT 04	0,200
XLFC R/L 2020 K03	20	20	125	20	3	PTNT 03	0,350
XLFC R/L 2020 K04	20	20	125	20	4	PTNT 04	0,350
XLFC R/L 2525 M03	25	25	150	20	3	PTNT 03	0,650
XLFC R/L 2525 M04	25	25	150	20	4	PTNT 04	0,650

Ref.	XLFC R/L 1010 J02	5732
	XLFC R/L 1210 J02	5732
	XLFC R/L 1212 J02	5732
	XLFC R/L 1612 J03	5732
	XLFC R/L 1612 J04	5732
	XLFC R/L 2012 K03	5732
	XLFC R/L 2012 K04	5732
	XLFC R/L 2020 K03	5732
	XLFC R/L 2020 K04	5732
	XLFC R/L 2525 M03	5732
	XLFC R/L 2525 M04	5732

Ref.	PTNT	s	Single-ended insert for parting and grooving.
	PTNT 02	2,10	
	PTNT 03	3,10	
	PTNT 04	4,10	

For more information see page: G.04

FERROS INTERIORES de SANGRAR ESQ./DIR. DE 3-4MM



Characteristics:
Double sided inserts with thickness from 3 to 4 mm.
The "V" positioning system of the pocket and the clamp integrated to the tool ensure maximum security and repeatably on the dimensions when the insert is changed.
Applications:
Grooving and internal turning toolholder that works well on steels, alloyed steels, stainless steels and refractories.



CZGF

Ref.	D	A	h	L1	L2	B	a	Insert size	
S20R CZGF R/L 34	20	16,5	18	200	40	3-4	5	MT. 3,0-4,0	0,400
S25R CZGF R/L 34	25	25,0	23	200	50	3-4	5	MT. 3,0-4,0	0,650
S32S CZGF R/L 34	32	30,0	30	250	60	3-4	5	MT. 3,0-4,0	1,400

Ref.	S20R CZGF R/L 34	1250	5520	1006	5004
	S25R CZGF R/L 34	-	-	1006	5004
	S32S CZGF R/L 34	-	-	-	-

Ref.	MT...J	s	r	Double-ended insert for turning and grooving.
	MTCJ 3,0	3,0	0,15	
	MTCJ 4,0	4,0	0,20	
	MTRJ 3,0	3,0	1,50	
	MTRJ 3,8	3,8	1,90	

Characteristics:
Single sided inserts with thickness from 3 to 4 mm.
The "V" positioning system of the pocket and the clamp integrated to the tool ensure maximum security and repeatably on the dimensions when the insert is changed.
Applications:
Grooving toolholder that works well on steels, alloyed steels, stainless steels and refractories.



Characteristics:
Single sided inserts with thickness from 3 to 4 mm.
The "V" positioning system of the pocket and the clamp integrated to the tool ensure maximum security and repeatably on the dimensions when the insert is changed.
Applications:
Grooving toolholder that works well on steels, alloyed steels, stainless steels and refractories.



CZGB

Ref.	D	A	h	L1	L2	B	a	Insert size	
S16M CZGB R/L 63	16	16	15	150	30	3	4	MCRN 3,0	0,180
S20R CZGB R/L 63	20	20	18	200	40	3	6	MCRN 3,0	0,400
S25S CZGB R/L 63	25	25	23	250	50	3	8	MCRN 3,0	0,650
S20R CZGB R/L 64	20	20	18	200	40	4	6	MCRN 4,0	0,400
S25S CZGB R/L 64	25	25	23	250	50	4	8	MCRN 4,0	0,650

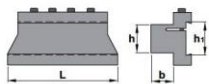
Ref.	S16M CZGB R/L 63	1250	5520	-	-
	S20R CZGB R/L 63	1250	5520	-	-
	S25S CZGB R/L 63	-	-	1006	5004
	S20R CZGB R/L 64	-	-	1006	5004
	S25S CZGB R/L 64	-	-	1006	5004

Ref.	MRCN	s	r	Single-ended insert for parting and grooving.
	MRCN 3,0	3,0	0,20	
	MRCN 4,0	4,0	0,20	

CEPOS de SANGRAR



Characteristics:
Tool blocks manufactured with two slot-guide which allows to maintain the blade always guided.
The fixing system by flexion ensures good rigidity and security.
Applications:
Tool block for manual and C.N.C. lathes.

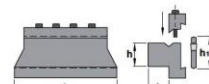


CPTS

Ref.	CPTS 1916	h1	L	h	b	Δ		
CPTS 1916	19	76	16	16	0,300	1075	5004	
CPTS 2616	26	87	16	16	0,450	1076	5005	
CPTS 2620	26	87	20	20	0,500	1076	5005	
CPTS 2625	26	87	25	25	0,650	1076	5005	
CPTS 3220	32	100	20	20	0,700	1076	5005	
CPTS 3225	32	110	25	25	0,950	1076	5005	
CPTS 3232	32	120	32	32	1,400	1076	5005	
CPTS 5250	52	135	50	50	3,400	1078	5006	



Characteristics:
Tool blocks manufactured with two slot-guide which allows to maintain the blade always guided.
Fixing system in two parts for machines with difficult access.
Applications:
Tool block for manual and C.N.C. lathes.

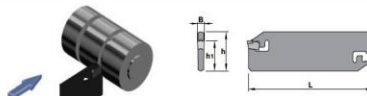


DPTS

Ref.	DPTS 1916	h1	L	h	b	Δ		
DPTS 1916	19	76	16	16	0,250	1075	5004	
DPTS 2620	26	87	20	20	0,550	1076	5005	
DPTS 2625	26	87	25	25	0,700	1076	5005	
DPTS 3220	32	100	20	20	0,750	1076	5005	
DPTS 3225	32	110	25	25	1,000	1076	5005	
DPTS 3232	32	120	32	32	1,450	1076	5005	
DPTS 5250	52	135	50	50	3,450	1078	5006	

LAMINAS PARA CEPOS DE SANGRAR de 2.2 – 6 mm

Characteristics:
One sided inserts with thickness from 2,2 to 6 mm.
The double "Y" pocket ensures a reliable and repetitive insert positioning and centering.
Available in 4 sizes (19, 26 and 32).
Applications:
Parting and grooving blade that works well on steels, alloyed steels, stainless steels and refractories.



CRCFN

Ref.	CRCFN 1901 X02	h	L	h1	B	Insert size	
CRCFN 1901 X02	19	86	15,4	2,2	MRCN 2.2	5733	
CRCFN 2601 J02	26	110	21,4	2,2	MRCN 2.2	5733	
CRCFN 2602 J03	26	110	21,4	3,0	MRCN 3.0	5733	
CRCFN 2603 J04	26	110	21,4	4,0	MRCN 4.0	5733	
CRCFN 2604 J05	26	110	21,4	5,0	MRCN 5.0	5733	
CRCFN 2605 J06	26	110	21,4	6,0	MRCN 6.0	5733	
CRCFN 3202 M03	32	150	25,0	3,0	MRCN 3.0	5733	
CRCFN 3203 M04	32	150	25,0	4,0	MRCN 4.0	5733	
CRCFN 3204 M05	32	150	25,0	5,0	MRCN 5.0	5733	
CRCFN 3205 M06	32	150	25,0	6,0	MRCN 6.0	5733	

Ref.	MRCN	s	r
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	

LAMINAS PARA CEPOS DE SANGRAR de 2 – 6 mm

Characteristics:
Positive stop blade for inserts with thickness from 2 to 6 mm.
The double "Y" pocket ensures a reliable and repetitive insert positioning and centering.
Available in 4 sizes (19, 26, and 32).
Applications:
Parting, grooving blade that works well on steels, alloyed steels, stainless steels and refractories.



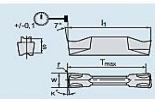
XLCTN

Ref.	XLCT N 1901 X02	h	L	B	Insert size	
XLCT N 1901 X02	19	86	2,1	PTNT 02	5732	
XLCT N 2601 J02	26	110	2,1	PTNT 02	5732	
XLCT N 2602 J03	26	110	3,1	PTNT 03	5732	
XLCT N 2603 J04	26	110	4,1	PTNT 04	5732	
XLCT N 2604 J05	26	110	5,1	PTNT 05	5732	
XLCT N 2605 J06	26	110	6,1	PTNT 06	5732	
XLCT N 3201 M02	32	150	2,1	PTNT 02	5732	
XLCT N 3202 M03	32	150	3,1	PTNT 03	5732	
XLCT N 3203 M04	32	150	4,1	PTNT 04	5732	
XLCT N 3204 M05	32	150	5,1	PTNT 05	5732	
XLCT N 3205 M06	32	150	6,1	PTNT 06	5732	

Ref.	PTNT	s
PTNT 02	2,10	
PTNT 03	3,10	
PTNT 04	4,10	
PTNT 05	5,10	
PTNT 06	6,10	

XGCC Toolholders for grooving

Symbol	L	H	H1	H2	G	g	D max	Code No D6411-117-
XGCC 2602 J2	110	26	21,4	28	2	1,6	36	452000
XGCC 2603 J3	110	26	21,4	28	3	2,3	70	452102
XGCC 2604 J4	110	26	21,4	28	4	3,2	70	452204
XGCC 3205 M5	150	32	24,8	32	5	4,2	100	452306



E2SCM...-N-DM

Opis	Wymiary w mm							Gatunek
	Dimensions in mm							
Ordering code	w	r	K	l ₁	s	T _{max}	PS40C	PS20C
E2SCM2.0-N-DM	2,0	0,20	0°	20	4,7	19	○	○
E2SCM3.0-N-DM	3,0	0,20	0°	20	4,7	19	○	○
E2SCM4.0-N-DM	4,0	0,30	0°	20	4,7	19	○	○
E2SCM5.0-N-DM	5,0	0,30	0°	25	5,2	24	○	○

LAMINAS PARA CEPOS DE SANGRAR de 2 a 9mm

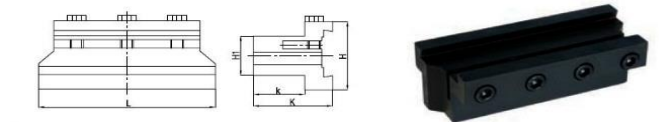


XLCFN

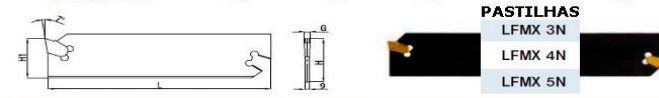
Ref.	XLCF N 1901 X02	h	L	B	Insert size	Δ	
XLCF N 1901 X02	19	86	2,1	PTNT 02	0,040	5732	
XLCF N 2601 J02	26	110	2,1	PTNT 02	0,050	5732	
XLCF N 2602 J03	26	110	3,1	PTNT 03	0,050	5732	
XLCF N 2603 J04	26	110	4,1	PTNT 04	0,085	5732	
XLCF N 2604 J05	26	110	5,1	PTNT 05	0,095	5732	
XLCF N 2605 J06	26	110	6,1	PTNT 06	0,120	5732	
XLCF N 3201 M02	32	150	2,1	PTNT 02	0,075	5732	
XLCF N 3202 M03	32	150	3,1	PTNT 03	0,100	5732	
XLCF N 3203 M04	32	150	4,1	PTNT 04	0,130	5732	
XLCF N 3204 M05	32	150	5,1	PTNT 05	0,160	5732	
XLCF N 3205 M06	32	150	6,1	PTNT 06	0,190	5732	
XLCF N 3207 M08	32	150	8,1	PTNT 08	0,230	5732	
XLCF N 3208 M09	32	150	9,1	PTNT 09	0,270	5732	
XLCF N 5207 X08	53	190	8,1	PTNT 08	0,500	5732	
XLCF N 5208 X09	53	190	9,1	PTNT 09	0,600	5732	
XLCF N 5307 X08	53	260	8,1	PTNT 08	0,700	5732	
XLCF N 5308 X09	53	260	9,1	PTNT 09	0,800	5732	

Ref.	PTNT	s
PTNT 02	2,10	
PTNT 03	3,10	
PTNT 04	4,10	
PTNT 05	5,10	
PTNT 06	6,10	
PTNT 08	8,10	
PTNT 09	9,10	

LAMINAS e CEPOS DE SANGRAR de 3-4-5 mm

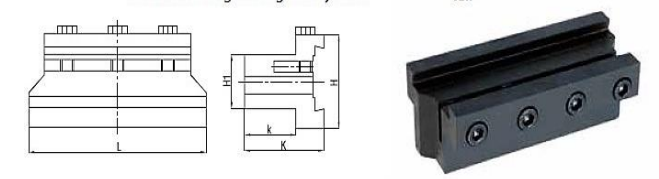


Symbol	H	H1	K	k	L
SBN 2019 - 26	38	20	33	19	88
SBN 2019 - 32	48	20	35	19	110
SBN 2520 - 32	48	25	36	20	110
SBN 3228 - 32	55	32	44	28	110



Symbol	H	H1	L	G	g
XLCFN 2603J31 - FX	26	21,4	110	3,1	2,3
XLCFN 2604J41 - FX	26	21,4	110	4,1	3,2
XLCFN 3203M31 - FX	32	25	150	3,1	2,3
XLCFN 3204M41 - FX	32	25	150	4,1	3,2
XLCFN 3205M51 - FX	32	25	150	5,1	4,2

Tool block for grooving tool system



Symbol	H	H1	K	k	L	Code No D642-149-
SBN 2019 - 26	38	20	33	19	88	500101
SBN 2019 - 32	48	20	35	19	110	500203
SBN 2520 - 32	48	25	36	20	110	500305
SBN 3228 - 32	55	32	44	28	110	500407