

## *Insert Tool Holders*





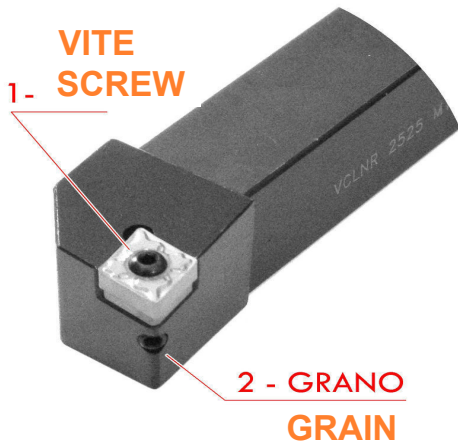


# Utensili per Tornitura con Sistema Brevettato Block System

## Turning Tools with Patent Block System



NEW



**Massima Stabilità e Sicurezza in Tornitura**  
Maximum Stability and Security in Turning

**Rendimento 8 Volte Superiore nel Taglio Interrotto e in Ambienti Ostili**  
Tool Life 8 Times More in Interrupted Cuts and in Hostile Environments

**Semplicità d'Uso e Ridotto Numero di Ricambi**  
Easy of Use and Reduced Number of Spare Parts

**Idoneo per Inserti in Metallo Duro, Ceramici con Foro CBN e PDC**  
Suitable for Carbide Inserts, Ceramic with Hole CBN and PDC

### Cos'è BLOCK System?

È il miglior bloccaggio per porta inserti a fissaggio meccanico oggi in commercio, che garantisce:

Massima Stabilità e Sicurezza in Tornitura

Nel Taglio Interrotto e in Ambienti Ostili la durata dell'inserto è 8 Volte Superiore al sistema tradizionale a leva.

Avanzamenti, velocità di taglio e profondità di passata superiori rispetto agli altri sistemi di bloccaggio.

Migliore finitura superficiale

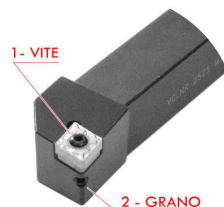
Numero ridotto di ricambi e semplicità d'uso

**È un sistema flessibile che permette, sullo stesso utensile, l'utilizzo di:**

- Inserti in Metallo Duro
- Inserti in CBN
- Inserti Ceramici con Foro,
- Inserti in PDC

### Procedimento per fissare l'inserto

- Allentare il grano (2)
- Togliere la vite (1)
- Posizionare l'inserto nella sede
- Inserire la vite (1) e stringere leggermente (2)
- Serrare il grano (2)
- Per la sostituzione dell'inserto eseguire il procedimento inverso.



Il kit d'acquisto comprende:

- 1 Utensile completo di vite per inserti in metallo duro.
- 1 Vite per inserti CBN, ceramici con foro e policristallino.
- 1 Chiave di ricambio per il montaggio delle viti

### What is BLOCK System?

Is the best lock of the tool inserts older on the market today, which guarantees:

Maximum Stability and Turning Security

Interrupted Cutting and hostile Environments the tool life of the insert is 8 Times More compared to the traditional system Lever

Feed, cutting speed and depth of cut higher than other locking systems

Improved finish surface.

Reduced number of spare parts and easy of use

**It is a flexible system that allows, on the same tool, the use of:**

- Solid Carbide inserts
- CBN Inserts
- Ceramics inserts with Hole
- PDC Inserts

### Procedure for fixing the insert

- Loosen the grain (2)
- Remove the screw (1)
- Place the insert into place
- Insert the screw (1) and tighten the grain (2)
- Tighten the grain (2)
- To replace the insert run the other way around.

The kit purchase includes:

- 1 Complete tool with screw for carbide inserts
- 1 Screw inserts, CBN, ceramic with hole and polycrystalline.
- 1 key parts for the mounting screws

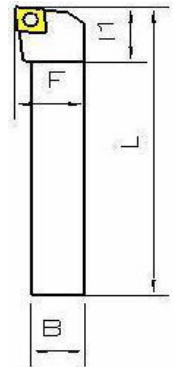


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 95°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8CLNR/L2020K12	20	20	20	125	30	25							
8CLNR/L2525M12	25	25	25	150	32	32	VV5	VV5P	VG5	2,5	A1	D1	CNMG1204..
8CLNR/L3225P12	32	32	25	170	35	32							
8CLNR/L3232P12	32	32	32	170	35	40							
8CLNR/L2525M16	25	25	25	150	32	32							
8CLNR/L3225P16	32	32	25	170	35	32	VV6	VV6P	VG6	2,5	Y2	D5	CNMG1606..
8CLNR/L3232P16	32	32	32	170	35	40							
8CLNR/L4040S16	40	40	40	250	40	50							
8CLNR/L3225P19	32	32	25	170	42	32							
8CLNR/L3232P19	32	32	32	170	42	40	VV8	VV8	VG8L	3	A2	D2	CNMG1906..
8CLNR/L4040S19	40	40	40	250	50	50							
8CLNR/L4040S25	40	40	40	250	50	50	VV9	VV9	VG9	4	Y3	D4	CNMG2509..
8CLNR/L5050T25	50	50	50	300	50	60							

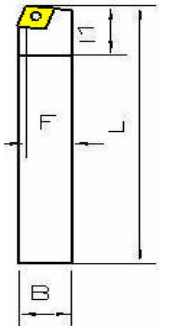


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 75°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8CBNR/L2020K12	20	20	20	125	30	17							
8CBNR/L2525M12	25	25	25	150	32	22	VV5	VV5P	VG5	2,5	A1	D1	CNMG1204..
8CBNR/L3225P12	32	32	25	170	35	22							
8CBNR/L2525M16	25	25	25	150	32	22							
8CBNR/L3225P16	32	32	25	170	35	22	VV6	VV6P	VG5	2,5	Y2	D5	CNMG1606..
8CBNR/L3232P16	32	32	32	170	35	27							
8CBNR/L3232P19	32	32	32	170	42	27	VV8	VV8	VG8L	3	A2	D2	CNMG1906..
8CBNR/L4040S19	40	40	40	250	50	35							
8CBNR/L4040S25	40	40	40	250	50	35	VV9	VV9	VG9	4	Y3	D4	CNMG2509..
8CBNR/L5050T25	50	50	50	300	50	43							

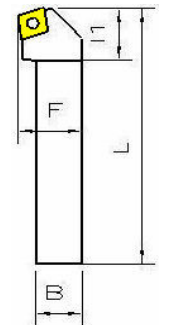


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 15°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8CKNR/L2020K12	20	20	20	125	30	25							
8CKNR/L2525M12	25	25	25	150	32	32	VV5	VV5P	VG5	2,5	A1	D1	CNMG1204..
8CKNR/L3225P12	32	32	25	170	35	32							
8CKNR/L2525M16	25	25	25	150	32	32							
8CKNR/L3225P16	32	32	25	170	35	32	VV6	VV6P	VG5	2,5	Y2	D5	CNMG1606..
8CKNR/L3232P16	32	32	32	170	35	40							
8CKNR/L3232P19	32	32	32	170	42	40	VV8	VV8P	VG8L	3	A2	D2	CNMG1906..
8CKNR/L4040S19	40	40	40	250	50	50							

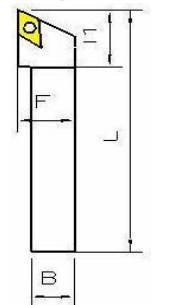


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 93°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8DJNR/L2020K15	20	20	20	125	35	25							
8DJNR/L2525M15	25	25	25	150	35	32							
8DJNR/L3225P15	32	32	25	170	35	32	VV5	VV5P	VG5L	2,5	A3	D1	DNMG1506..
8DJNR/L3232P15	32	32	32	170	35	40							
8DJNR/L4040S15	40	40	40	250	40	50							
8DJNR/L5050T15	50	50	50	300	50	60							



Vite\*  
Screw\*

Vite specifica per inserto CBN, Policristallino o Ceramico con Foro  
Specific Screw for CBN, Polycrystalline or Ceramic Insert with Hole

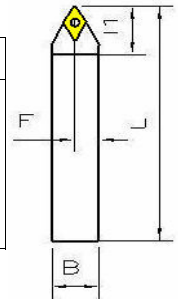


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 62,5°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8DVNN2020K15	20	20	20	125	35	10							
8DVNN2525M15	25	25	25	150	35	12,5							
8DVNN3225P15	32	32	25	170	37	12,5	VV5	VV5P	VG5L	2,5	A3	D1	DNMG1506..
8DVNN3232P15	32	32	32	170	37	16							
8DVNN4040S15	40	40	40	250	40	20							
8DVNN5050T15	50	50	50	300	50	25							

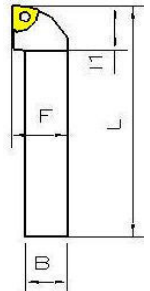


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 95°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8WLNRL1616H06	16	16	16	100	25	20							
8WLNRL2020K06	20	20	20	125	25	25	VV5	VV5P	VG5L	2,5	A3	D1	WNMG0604..
8WLNRL2525M06	25	25	25	150	32	32							
8WLNRL2020K08	20	20	20	125	30	25							
8WLNRL2525M08	25	25	25	150	32	32	VV5	VV5P	VG5C	2,5	A12	D1	WNMG0804..
8WLNRL3232P08	32	32	32	170	35	40							

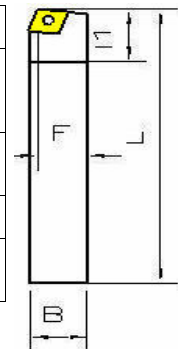


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 75°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8SBNRL2020K12	20	20	20	125	30	17							
8SBNRL2020K12	25	25	25	150	32	22	VV5	VV5P	VG5L	2,5	A3	D1	SNMG1204..
8SBNRL3225P12	32	32	25	170	35	22							
8SBNRL2525M15	25	25	25	150	32	22							
8SBNRL3225P15	32	32	25	170	35	22	VV5	VV5P	VG5C	2,5	A12	D1	SNMG1506..
8SBNRL3232P15	32	32	32	170	35	27							
8SBNRL3232P19	32	32	32	170	42	27	VV8	VV8	VG8L	3	A5	D2	SNMG1906..
8SBNRL4040S19	40	40	40	250	50	35							
8SBNRL4040S25	40	40	40	250	50	35	VV9	VV9	VG9	4	Y8	D4	SNMG2507..
8SBNRL5050T25	50	50	50	300	50	43							

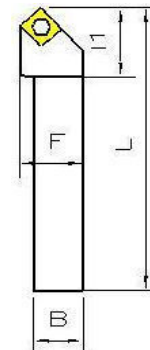


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 45°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8SSNRL2020K12	20	20	20	125	30	25							
8SSNRL2525M12	25	25	25	150	35	32	VV5	VV5P	VG5C	2,5	A4	D1	SNMG1204..
8SSNRL3225P12	32	32	25	170	35	32							
8SSNRL2525M15	25	25	25	150	35	32							
8SSNRL3225P15	32	32	25	170	40	32	VV6	VV6P	VG6	2,5	Y1	D5	SNMG1506..
8SSNRL3232P15	32	32	32	170	40	40							
8SSNRL3232P19	32	32	32	170	40	40	VV8	VV8	VG8L	3	A5	D2	SNMG1906..
8SSNRL4040S19	40	40	40	250	40	50							
8SSNRL4040S25	40	40	40	250	50	50	VV9	VV9	VG9	4	Y8	D4	SNMG2507..
8SSNRL5050T25	50	50	50	300	50	50							



Vite\*  
Screw\*

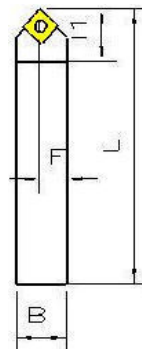
Vite specifica per inserto CBN, Policristallino o Ceramico con Foro  
Specific Screw for CBN, Polycrystalline or Ceramic Insert with Hole



## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System

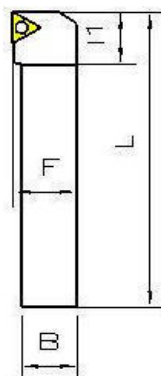
Code 45°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8SDNN2020K12	20	20	20	125	30	10,3							
8SDNN2525M12	25	25	25	150	35	12,8	VV5	VV5P	VG5C	2,5	A4	D1	SNMG1204..
8SDNN3225P12	32	32	25	170	35	12,8							
8SDNN2525M15	25	25	25	150	32	12,8	VV6	VV6P	VG6	2,5	Y1	D5	SNMG1506..
8SDNN3225P19	32	32	25	170	42	13							
8SDNN3232P19	32	32	32	170	42	16,5	VV8	VV8	VG8L	3	A5	D2	SNMG1906..
8SDNN4040S19	40	40	40	250	50	21							
8SDNN4040S25	40	40	40	250	50	21	VV9	VV9	VG9	4	Y8	D4	SNMG2507..



## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System

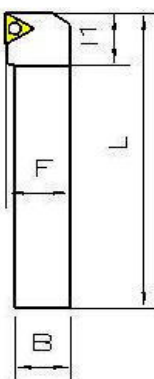
Code 93°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8TJNR/L1616H16	16	16	16	100	25	20							
8TJNR/L2020K16	20	20	20	125	25	25							
8TJNR/L2525M16	25	25	25	150	32	32	VV4	VV4P	VG4C	2	A6	D3	TNMG1604
8TJNR/L3225P16	32	32	25	170	35	32							
8TJNR/L2525M22	25	25	25	150	35	32							
8TJNR/L3225P22	32	32	25	170	42	32	VV5	VV5P	VG5C	2,5	A7	D1	TNMG2204..
8TJNR/L3232P22	32	32	32	170	42	40							
8TJNR/L3232P27	32	32	32	170	42	40							
8TJNR/L4040S27	40	40	40	250	50	50	VV6	VV6P	VG6	2,5	H1	D5	TNMG2706..
8TJNR/L4040S33	40	40	40	250	50	50							
8TJNR/L5050T33	50	50	50	300	50	60	VV8	VV8	VG8L	3	H6	H7	TNMG3307..



## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System

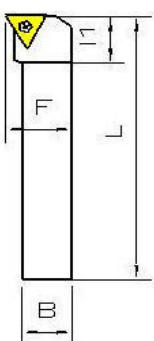
Code 91°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8TGNR/L1616H16	16	16	16	100	25	20							
8TGNR/L2020K16	20	20	20	125	25	25							
8TGNR/L2525M16	25	25	25	150	32	32	VV4	VV4P	VG4C	2	A6	D3	TNMG1604
8TGNR/L3225P16	32	32	25	170	35	32							
8TGNR/L3225P16	25	25	25	150	35	32							
8TGNR/L2525M22	32	32	25	170	42	32	VV5	VV5P	VG5C	2,5	A7	D1	TNMG2204..
8TGNR/L3225P22	32	32	32	170	42	40							
8TGNR/L3232P22	32	32	32	170	42	40							
8TGNR/L3232P27	40	40	40	250	50	50	VV6	VV6P	VG6	2,5	H1	D5	TNMG2706..
8TGNR/L4040S27	40	40	40	250	50	50							
8TGNR/L4040S33	50	50	50	300	50	60	VV8	VV8	VG8L	3	H6	H7	TNMG3307..
8TGNR/L5050T33	50	50	50	300	50	60							



## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System

Code 91°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8TFNR/L1616H16	16	16	16	100	25	20							
8TFNR/L2020K16	20	20	20	125	25	25							
8TFNR/L2525M16	25	25	25	150	32	32	VV4	VV4P	VG4C	2	A6	D3	TNMG1604
8TFNR/L3225P16	32	32	25	170	35	32							
8TFNR/L3225P16	25	25	25	150	35	32							
8TFNR/L2525M22	32	32	25	170	42	32	VV5	VV5P	VG5C	2,5	A7	D1	TNMG2204..
8TFNR/L3225P22	32	32	32	170	42	40							
8TFNR/L3232P22	32	32	32	170	42	40							
8TFNR/L3232P27	40	40	40	250	50	50	VV6	VV6P	VG6	2,5	H1	D5	TNMG2706..
8TFNR/L4040S27	40	40	40	250	50	50							
8TFNR/L4040S33	50	50	50	300	50	60	VV8	VV8	VG8L	3	H6	H7	TNMG3307..
8TFNR/L5050T33	50	50	50	300	50	60							



Vite\*  
Screw\*

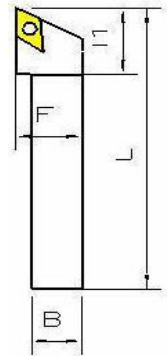
Vite specifica per inserto CBN, Policristallino o Ceramico con Foro  
Specific Screw for CBN, Polycrystalline or Ceramic Insert with Hole



## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System

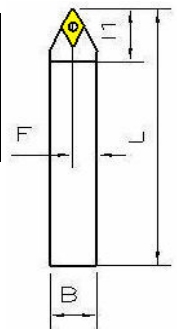
Code 93°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8VJNR/L2020K16	20	20	20	125	32	25							
8VJNR/L2525M16	25	25	25	150	32	32	VV4	VV4P	VG4L	2	W1	D31	VNMG1604..
8VJNR/L3225P16	32	32	25	170	32	32							



## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System

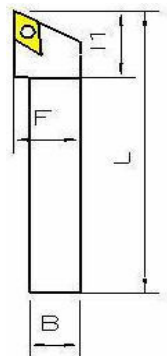
Code 72,5°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8VVNN2020K16	20	20	20	125	32	10,6							
8VVNN2525M16	25	25	25	150	32	13,1	VV4	VV4P	VG4L	2	W1	D31	VNMG1604..
8VVNN3225P16	32	32	32	170	32	13,1							



## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System

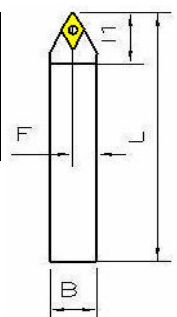
Code 93°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8DJCR/L1616H11	16	16	16	100	24	20	VV45C	VV45C	VG4	2	-	-	
8DJCR/L2020K11	20	20	20	125	24	25	VV45C	VV45	VG4L	2	W2	D31	DCMT11T3..
8DJCR/L2525M11	25	25	25	150	28	32							



## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System

Code 62,5°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8DNCR/L1616H11	16	16	16	100	25	8,5	VV45C	VV45C	VG4	2	-	-	
8DNCR/L2020K11	20	20	20	125	25	10,5	VV45	VV45C	VG4L	2	W2	D31	DCMT11T3..
8DNCR/L2525M11	25	25	25	150	25	13							



Vite\*  
Screw\*

Vite specifica per inserto CBN, Policristallino o Ceramico con Foro  
Specific Screw for CBN, Polycrystalline or Ceramic Insert with Hole



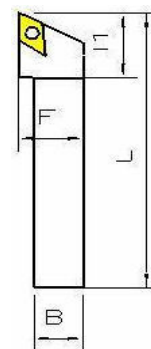


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 93°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8VJBR/L2020K16	20	20	20	125	32	25	VV45	VV45	VG4L	2	W1	D31	VBMT1604..
8VJBR/L2525M16	25	25	25	150	32								
8VJBR/L3225P16	32	32	25	170	32								

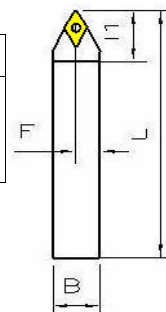


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 72,5°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8VVBN2020K16	20	20	20	125	32	10,6	VV45	VV45	VG4L	2	W1	D31	VBMT1604..
8VVBN2525M16	25	25	25	150	32	13,1							
8VVBN3225P16	32	32	32	170	32	13,1							

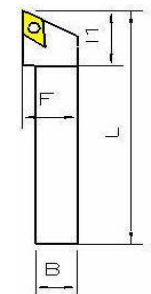


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 93°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8VJCR/L2020K16	20	20	20	125	32	25	VV45	VV45	VG4L	2	W1	D31	VBMT1604..
8VJCR/L2525M16	25	25	25	150	32								
8VJCR/L3225P16	32	32	25	170	32								

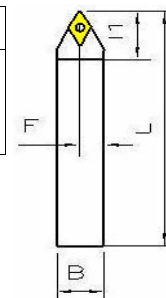


## Utensili per Tornitura Esterna con Sistema Brevettato Block System

### External Turning Tools with Patent Block System



Code 72,5°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8VVCN2020K16	20	20	20	125	32	10,6	VV45	VV45C	VG4L	2	W1	D31	VBMT1604..
8VVCN2525M16	25	25	25	150	32	13,1							
8VVCN3225P16	32	32	25	170	32	13,1							



Vite\*  
Screw\*

Vite specifica per inserto CBN, Policristallino o Ceramico con Foro  
Specific Screw for CBN, Policrystalline or Ceramic Insert with Hole



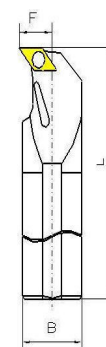


## Utensili per Tornitura Interna con Sistema Brevettato Block System

### Internal Turning Tools with Patent Block System



Code 95°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8A20QVCLNR/L12	20	18	180	38	13	25	VV5X	VV5XP	VG4	2	-	-	CNMM1204..
8A25RVCLNR/L12	25	23	200	42	17	32	VV5X	VV5XP	VG4L	2	-	-	
8A32SVCLNR/L12	32	30	250	49	22	40	VV15	VV15P	VG5C	2,5	A1	D1	
8A40TVCLNR/L12	40	37	300	56	27	50							
8A50UVCLNR/L12	50	47	350	63	35	63	VV115	VV15P	VG5C	2,5	A1	D1	CNMM1606..
8A40TVCLNR/L16	40	37	300	56	27	50	VV16	VV16P	VG5C	2,5	Y2	D5	
8A50UVCLNR/L16	50	47	350	63	35	63							

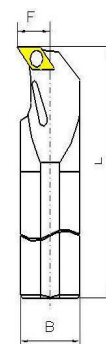


## Utensili per Tornitura Interna con Sistema Brevettato Block System

### Internal Turning Tools with Patent Block System



Code 93°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8A32SVDUNR/L15	32	30	250	49	22	40	VV15	VV15P	VG5	2,5	A3	D1	DNMG1506..
8A40TVDUNR/L15	40	37	300	56	27	50			VG5L				
8A50UVDUNR/L15	50	47	350	63	35	63							

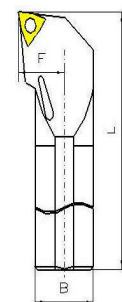


## Utensili per Tornitura Interna con Sistema Brevettato Block System

### Internal Turning Tools with Patent Block System



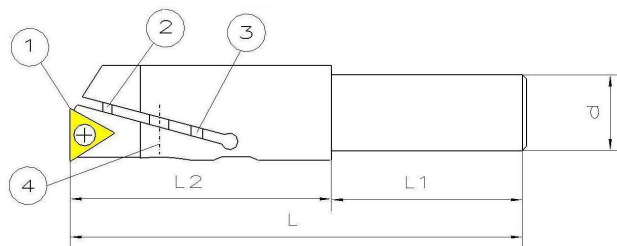
Code 95°	h mm	h1 mm	B mm	L mm	l1 mm	F mm	Vite Screw	Vite* Screw	Grano Grain	Chiave Key	Supporto Support	Spina Pin	Inserto Insert
8A20QVWLNR/L08	20	18	180	38	13	25	VV5X	VV5XP	VG4	2	-	-	WNMG0804..
8A25RVWLNR/L08	25	23	200	42	17	32			VG4L				
8A32SVWLNR/L08	32	30	250	49	22	40	VV15	VV15P	VG5C	2,5	A12	D1	
8A40TVWLNR/L08	40	37	300	56	27	50							
8A50UVWLNR/L08	50	47	350	63	35	63							



Vite\*  
Screw\*

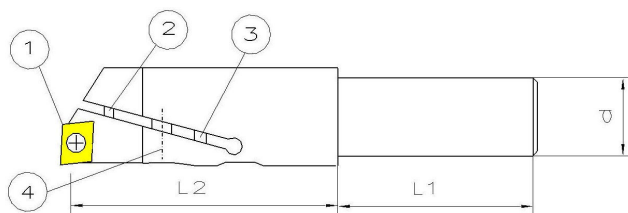
Vite specifica per inserto CBN, Policristallino o Ceramico con Foro  
Specific Screw for CBN, Polycrystalline or Ceramic Insert with Hole

**Patent Adjustment Boring Bar RAI for Internal Holes**



Code	Ø mm	L mm	L1 mm	L2 mm	d mm	Alesatura Boring	Vite Screw	Grano Grain	Vite Scre	Vite Screw	Cacciavite Screwdriver	Chiave Key	Chiave Key	Inserto Insert
							1	2	3	4				
8RAI00060	6	85	65	20	8	6-7	V24	RE11	G15	BL11	TX6	TX6	0,89	WCMT0201..
8RAI00070	7	90	65	25	8	7-8		RE9	G13	BL9		TX7	1,5	TBGH0601..
8RAI00080	8	90	65	25	8	8-10		RE10	G14	BL10		TX9	1,5	CERMET
8RAI00100	10	100	70	30	10	10-12		RE0	G10	BL0		TX15	1,5	TPGX0802.. TCMT0802..
8RAI00120	12	105	65	40	12	12-15	V20	RE1	G3	BL1	TX20	1,5		
8RAI00120SL	12	130	70	60	12	15-20		RE2	G4	BL2	TX25	2		
8RAI00150	15	110	60	50	16									
8RAI00150SL	15	140	70	70	16									
8RAI00200	20	120	60	60	20	20-25	V25	RE3	G5	BL3	TX7	5	2,5	TCMT1102..
8RAI00200SL	20	150	70	80	20									
8RAI00250	25	140	70	70	25	25-30	V4	RE4	G6	BL4	TX15	6	4	TCMT16T3..
8RAI00250SL	25	170	70	70	25									
8RAI00300SC	30	120	56	64	25	30-35		RE5	G7	BL5	TX15			
8RAI00300	30	160	70	90	25	35-40		RE6	G8	BL6				
8RAI00300SL	30	190	70	120	25									
8RAI00350SC	35	120	56	64	25	40-45	RE7	G9	BL7	TX15	8			
8RAI00350	35	170	70	100	32									
8RAI00350SL	35	220	70	120	32									
8RAI00400SC	40	130	56	74	25									
8RAI00400	40	190	70	120	32	45-50	RE8	G10	BL8					
8RAI00450SC	45	150	56	94	25									
8RAI00450	45	220	70	150	32									

**Patent Adjustment Boring Bar MTE for Internal Holes**



Code	Ø mm	L mm	L1 mm	L2 mm	d mm	Alesatura Boring	Vite Screw	Grano Grain	Vite Screw	Vite Screw	Cacciavite Screwdriver	Chiave Key	Chiave Key	Inserto Insert	
							1	2	3	4					
8RAIMT00100	10	100	70	30	10	10-12	V28	RE1	G0	BL0	TX7	TX15	1,5	CCMT0602..	
8RAIMT00120	12	105	65	40	12	12-15			G3	BL1		TX20	1,5		
8RAIMT00150	15	110	60	50	16	15-20			RE2	G4		BL2	TX25		2
8RAIMT00200	20	120	60	60	20	20-25			RE3	G5		BL3	5		2,5
8RAIMT00250	25	140	70	70	25	25-30	RE4	G6	BL4						
8RAIMT00300	30	160	70	90	25	30-35	V36	RE5	G7	BL5	TX15	6	4	CCMT09T3..	
8RAIMT00350	35	170	70	100	32	35-40		RE6	G8	BL6					
8RAIMT00400	40	190	70	120	32	40-45		RE7	G9	BL7					
8RAIMT00450	45	220	70	150	32	45-50		RE8	G10	BL8					8

Patent System of Centesimal Measurement MISURAI

MISURARI ad Anello  
MISURAI with Ring



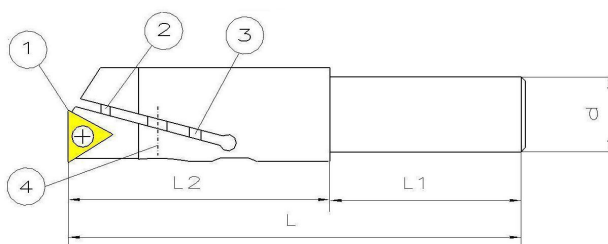
MISURAI a Braccetto  
MISURAI with Arm



COMPOSIZIONE COMPOSITION		
Anello Ring	Cilindretto Forato cylinder with hole	Comparatore Centesimale Comparator Centesimal
N° 1	N° 1	N° 1

COMPOSIZIONE COMPOSITION		
Braccetto Arm	Cilindretto Forato Cylinder with Hole	Comparatore centesimale Comparator centesimal
N° 1	N° 1	N° 1

CODE	Bareni Boring Bars	Dispositivo System
MISURAI 6-7-8	RAI Ø 6 RAI Ø 7 RAI Ø 8	ANELLO RING
MISURAI 10-12	RAI Ø 10 RAI Ø 12 MTE Ø 10 MTE Ø 12	ANELLO RING
MISURAI 15	RAI Ø 15 MTE Ø 15	ANELLO RING
MISURAI 20-25	RAI Ø 20 RAI Ø 25 MTE Ø 20 MTE Ø 25	BRACCETTO ARM
MISURAI 30-35	RAI Ø 30 RAI Ø 35 MTE Ø 30 MTE Ø 35	BRACCETTO ARM
MISURAI 40-45	RAI Ø 40 RAI Ø 45 MTE Ø 40 MTE Ø 45	BRACCETTO ARM



Istruzioni d' uso MISURAI

MISURAI Instructions

- 1 Montare il MISURAI senza comparatore sul corpo del barenc RAI o MTE.
- 2 Introdurre il comparatore all'interno del foro del braccetto, avvicinarlo al bareno fino a far toccare il puntalino sullo spigolo dell'inserto e serrare in maniera non eccessiva la vite di bloccaggio del comparatore.
- 3 Azzerare il comparatore.
- 4 Allentare il grano di bloccaggio (3) e la vite (4)
- 5 Modificare il diametro di alesatura facendo ruotare la vite di regolazione (2) e leggendo la variazione centesimale sul quadrante del comparatore.
- 6 Ottenuta la misura desiderata, bloccare prima la vite (4) poi il grano (3)
- 7 Smontare il MISURAI: il bareno RAI o MTE è pronto per essere utilizzato

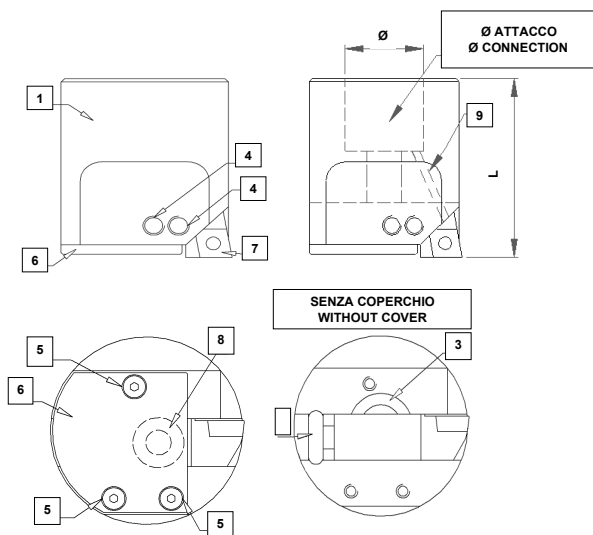
- 1 Mount the MISURAI without comparator on the body of the boring bar RAI or MTE.
- 2 Enter through the hole of the comparator arm, approach the boring bar until the touch the toe on the edge of the insert and tighten the screw in a non-excessive locking Comparator.
- 3 Reset comparator.
- 4 Loosen the grain locking (3) and screw (4).
- 5 Change the boring diameter by rotating the adjustment screw (2) and the variation Centesimal reading on the dial comparator.
- 6 Obtained the desired measure, lock screw first (4) then the grain (3).
- 7 Remove the MISURAI the boring bar RAI is ready for use.

### Patent Adjustment Boring Head RAIMAX1 Ø 28-250mm Reamering

La testina regolabile **RAIMAX** permette l'esecuzione di lavorazioni di barenatura e alesatura. Tutte le testine hanno il foro di lubrificazione. La regolazione del diametro di taglio dell'utensile è ottenuta tramite la rotazione di una vite. Quest'ultima fa scorrere, radialmente all'asse di rotazione della testina, una cartuccia ad inserti posizionata all'interno di una scanalatura a forma di U ricavata nel corpo dell' utensile. L' attacco della testina permette di montare tale utensile sui mandrini comunemente reperibili in commercio. Per la regolazione centesimale del diametro di taglio si utilizza il dispositivo **MISURAIMAX** composto da un braccetto forato ed un comparatore centesimale o decimale.

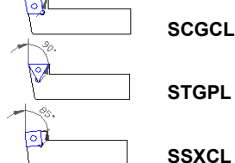
The adjustable boring head **RAIMAX** allows the execution of Boring and reamering. All the heads have a lubrication hole. The adjustment of the cutting tool diameter is obtained by turning a screw. Latter slides, radially to the axis of rotation of the head, a insert cartridge positioned inside a U-shaped groove obtained in the body of the tool.

The connection of the cartridge allows you to mount the tool on milling spindles commonly available on the market. For the centesimal regulation of the cutting diameter have to use the device **MISURAIMAX** composed of an arm, a cylinder with hole and a centesimal or millesimal comparator.



#### CARTUCCE

#### CARTRIDGE



- 1- Corpo barenò **RAIMAX**
- 2- Vite regolazione cartuccia
- 3- Vite di bloccaggio cono
- 4- Grano di bloccaggio cartuccia
- 5- Vite bloccaggio coperchio
- 6- Coperchio
- 7- **Cartuccia**
- 8- Molla a tazza
- 9- Foro di lubrificazione

- 1 - Body boring bar **RAIMAX**
- 2 - Screw adjustment cartridge
- 3 - Locking screw cone
- 4 - Grain locking cartridge
- 5 - Locking cover screws
- 6 - Cover
- 7 - **Cartridge**
- 8 - Disc springs
- 9 - Refrigeration hole

### RAIMAX1 Instructions

- 1- Svitare le tre viti (5) e togliere il coperchio (6)
- 2- Allentare le due viti (4)
- 3- Estrarre la cartuccia (7)
- 4- Montare la testina sul mandrino e bloccarla tramite la vite (3)
- 5- Ricollocare la cartuccia (7) nel suo alloggiamento
- 6- Rimontare il coperchio riavvitando le tre viti (5)
- 7-Regolare la misura del diametro di taglio facendo ruotare la vite (2), la quale permette lo spostamento della cartuccia (7)
- 8- Riavvitare le due viti (4)
- 9- La testina **RAIMAX1** è pronta per essere utilizzata

- 1 - Unscrew the three screws (5) and remove the cover (6)
- 2 - Loosen the two screws (4)
- 3 - Remove the cartridge (7)
- 4 - Mount the head on the spindle and secure it through the screw (3)
- 5 - Relocate the cartridge (7) into his housing
- 6 - Replace the cover by rotating the three screws (5)
- 7 - Adjust the size of the cutting diameter by rotating the screw (2) which allows the movement of the cartridge (7)
- 8 - Replace the two screws (4)
- 9 - The head **RAIMAX1** is ready to be used

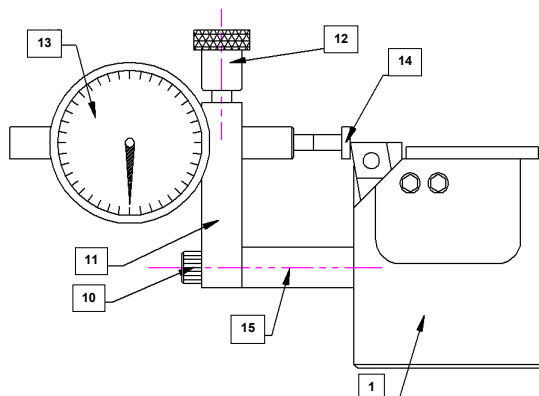
Code	Alesatura Boring	Attacco Connection	L mm	Cartucce Utilizzabili Cartridge Utilizable	Vite Screw	Chiave key	RICAMBI TESTINA - HEAD SPARE PARTS					Inserto Insert
							Vite Screw 2	Vite Screw 3	Grano Grain 4	N°x Vite N°x Screw 5	Coperchio Cover 6	
<b>RAIMAX1 30</b>	Ø 28-40	Ø 16	45	SCGCL 08-06 STGPL 08-09	V28	TX7	VR30	SRM8R/L	GG30	2 x VCC30	CC30	CCMT0602.. TPGX0902..
<b>RAIMAX1 40</b>	Ø 39-55	Ø 16	50	SCGCL 10-06 STGPL 10-09	V28	TX7	VR40	SRM8X20	GG40	3 x VCC40	CC40	CCMT0602.. TPGX0902..
<b>RAIMAX1 50</b>	Ø 49-75	Ø 22	56	SCGCL12-09 STGPL 12-11 SSXCL12-09	V4C V10 V4C	TX15 TX9 TX15	VR50	SRM10X20	GG50	3 x VCC50	CC50	CCMT09T3.. TPGX1211.. SCMT1209..
<b>RAIMAX1 75</b>	Ø 74-115	Ø 27	65	SCGCL 16-09 STGPL 16-11 SSXCL 16-09	V4C V10 V4C	TX15 TX9 TX15	VR75	SRM12X25	GG75	4 x VCC75	CC75	CCMT1609 TPGX1103.. SCMT09T3..
<b>RAIMAX1 100</b>	Ø 98-160	Ø 40	67	SCGCL 20-09 STGPL 20-11 SSXCL 20L-09	V4C V10 V4C	TX15 TX9 TX15	VR100	SRM20X	GG100	4 x VCC100	CC100	CCMT09T3.. TPGX1103.. SCMT09T3..
<b>RAIMAX1 150</b>	Ø 148-250	Ø 40	67	SCGCL 20L-09 STGPL 20L-11 SSXCL 20L-09	V4C V10 V4C	TX15 TX9 TX15	VR150	SRM20X	GG150	4 x VCC150	CC150	CCMT09T3.. TPGX1103.. SCMT09T3..



## Dispositivo Brevettato di Misurazione Centesimale MISURAIMAX1



### Patent System of Centesimal Measurement MISURAIMAX



- |  |                                     |
|--|-------------------------------------|
| 1- Corpo bareno <b>RAIMAX</b>            | 1- Body boring bar <b>RAIMAX</b>    |
| 10- Vite di bloccaggio <b>MISURAIMAX</b> | 10- Locking screw <b>MISURAIMAX</b> |
| 11- Braccetto                            | 11- Arm                             |
| 12- Vite bloccaggio comparatore          | 12- Locking comparator screw        |
| 13- <b>COMPARATORE</b>                   | 13- <b>COMPARATOR</b>               |
| 14- Puntalino piatto per comparatore     | 14- Comparator toe plate            |
| 15- Cilindro forato                      | 15- Cylinder with hole              |

Bareno Boring Bar	Strumento di Misura Instrument	Measure
<b>RAIMAX1 30</b>	MISURAIMAX 30-40 + Comparatore 1/100 0:5*	
<b>RAIMAX1 40</b>	MISURAIMAX 50 + Comparatore 1/100 0:10*	
<b>RAIMAX1 50</b>	MISURAIMAX 75 + Comparatore 1/100 0:10*	
<b>RAIMAX1 75</b>	MISURAIMAX 100 + Comparatore 1/100 0:10*	
<b>RAIMAX1 100</b>	MISURAIMAX + Comparatore 1/100 0:10*	
<b>RAIMAX1 150</b>	MISURAIMAX + Comparatore 1/100 0:10*	

\* A richiesta è fornibile il comparatore Millesimale

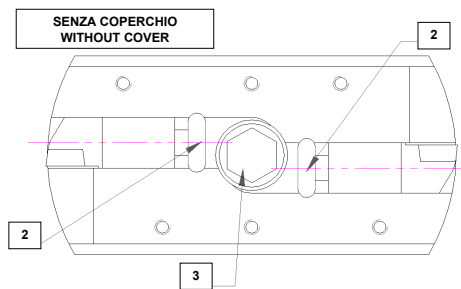
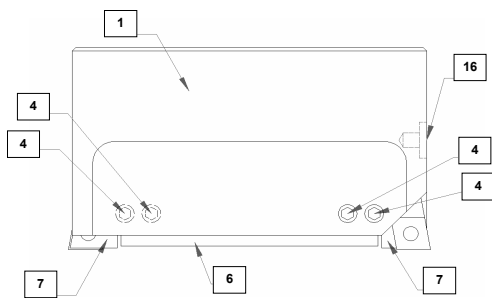
\* On request is possible to supply Millesimal Comparator



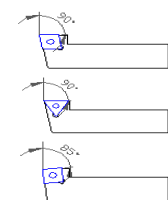
## Testina Regolabile Brevettata RAIMAX2 per Alesatura Ø 148-250mm



### Patent Adjustment Boring Head RAIMAX2 Ø 28-250mm Reamering



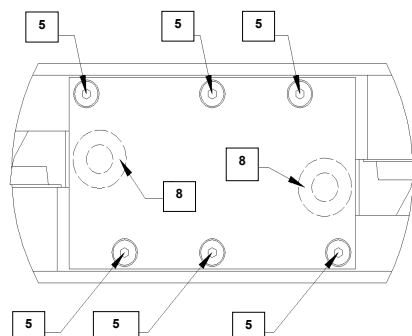
#### CARTUCCE CARTRIDGE



SCGCL

STGPL

SSXCL



- 1- Corpo bareno **RAIMAX**
- 2- Vite regolazione cartuccia
- 3- Vite di bloccaggio cono
- 4- Grano di bloccaggio cartuccia
- 5- Vite bloccaggio coperchio
- 6- Coperchio
- 7- **Cartuccia**
- 8- Molla a tazza
- 16- Foro per attacco **MISURAIMAX2**

- 1 - Body boring bar **RAIMAX**
- 2 - Screw adjustment cartridge
- 3 - Locking screw cone
- 4 - Grain locking cartridge
- 5 - Locking cover screws
- 6 - Cover
- 7 - **Cartridge**
- 8 - Disc springs
- 16 - Hole for attack **MISURAIMAX2**

**Patent Adjustment Boring Head RAIMAX2 Ø 148-250mm Reamering**

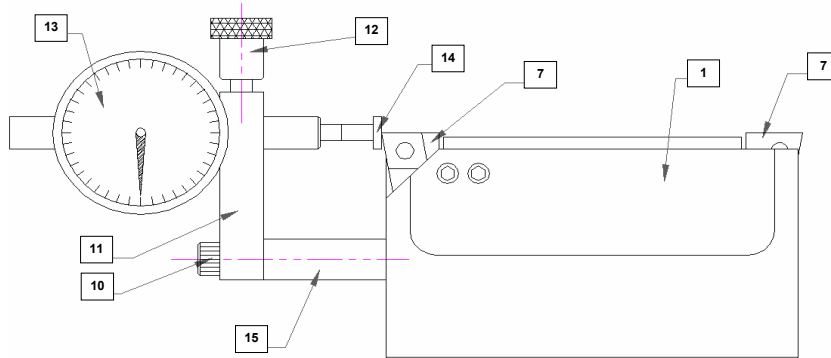
**FINITURA - FINISHING**

Code	Alesatura Boring	Attacco Connection	L mm	Cartucce Utilizzabili Cartridge Utilizable	Vite Screw	Chiave key	RICAMBI TESTINA - HEAD SPARE PARTS					Inserto Insert
							Vite Screw	Vite Screw	Grano Grain	N°x Vite N°x Screw	Coperchio Cover	
							2	3	4	5	6	
RAIMAX2 150	Ø 148-200	Ø 40	67	SCGCL 20F-09	V4C	TX15	VR150DP	SRM20X	GG150	VCC150	CC150-DP	CCMT09T3.. TPGX1103.. SCMT09T3..
RAIMAX2 200	Ø 198-250	Ø 40	67	STGPL 20F-11 SSXCL 20F-09			VR200	SRM20X	GG200	VCC200	CC200-DP	

**SGROSSATURA - ROUGHING**

Code	Alesatura Boring	Attacco Connection	L mm	Cartucce Utilizzabili Cartridge Utilizable	Vite Screw	Chiave key	RICAMBI TESTINA - HEAD SPARE PARTS					Inserto Insert
							Vite Screw	Vite Screw	Grano Grain	N°x Vite N°x Screw	Coperchio Cover	
							2	3	4	5	6	
RAIMAX2 150	Ø 148-200	Ø 40	67	SCGCL 20S-09	V4C	TX15	VR150DP	SRM20X	GG150	VCC150	CC150-DP	CCMT09T3.. SCMT09T3..
RAIMAX2 200	Ø 198-250	Ø 40	67	SSXCL 20S-09			VR200	SRM20X	GG200	VCC200	CC200-DP	

**Patent System of Centesimal Measurement MISURAIMAX2**



Bareno Boring Bar	Strumento di Misura Instrument	Measure
RAIMAX2 150 RAIMAX2 200	MISURAIMAX2 150-200 + Comparatore 1/100 0:10	

- 1- Corpo bareno **RAIMAX2**
- 7- **Cartuccia**
- 10- Vite di bloccaggio **MISURAIMAX2**
- 11- Braccetto
- 12- Vite di bloccaggio comparatore
- 13- **COMPARATORE**
- 14- Puntalino piatto per comparatore
- 15- Cilindro forato
- 1 - Body boring bar **RAIMAX2**
- 7 - **Cartridge**
- 10 - Locking screw **MISURAIMAX2**
- 11 - Arm
- 12 - Locking screw comparator
- 13 - **COMPARATOR**
- 14 - toe plate to comparator
- 15 - Rod drilled

\* A richiesta è fornibile il comparatore Millesimale  
\* On request is possible to supply Millesimal Comparator



Set RAIMAX1 composto da 1 Cartuccia + 1 MISURAIMAX1+ 1 Comparatore 1/100



Set RAIMAX1 composed of 1 Cartridge + 1 MISURAIMAX1 + 1 Comparator 1/100

Code	Composizione Composition	Cartuccia Cartridge	N° Cartucce N° Cartridge	Inserto Insert
8SETRAIMAX30SC	Testina RAIMAX1 30, 1 <b>Cartuccia</b> , MISURAIMAX1 30-40, Comparatore	SCGCL 08-6	1	CCMT0602..
8SETRAIMAX30ST	Head RAIMAX1 30 , 1 <b>Cartridge</b> , MISURAIMAX1 30-40, Comparator	STGPL 08-09	1	TPGX0902..
8SETRAIMAX40SC	Testina RAIMAX1 40, 1 <b>Cartuccia</b> , MISURAIMAX1 30-40, Comparatore	SCGCL 10-06	1	CCMT0602..
8SETRAIMAX40ST	Head RAIMAX1 40 , 1 <b>Cartridge</b> , MISURAIMAX1 30-40, Comparator	STGPL 10-09	1	TPGX0902..
8SETRAIMAX50SC	Testina RAIMAX1 50, 1 <b>Cartuccia</b> , MISURAIMAX1 50, Comparatore	SCGCL 12-09	1	CCMT09T3..
8SETRAIMAX50ST	Head RAIMAX1 50 , 1 <b>Cartridge</b> , MISURAIMAX1 50, Comparator	STGPL 12-11	1	TPGX1103..
8SETRAIMAX50SS	Head RAIMAX1 50 , 1 <b>Cartridge</b> , MISURAIMAX1 50, Comparator	SSXCL 12-09	1	SCMT09T3..
8SETRAIMAX75SC	Testina RAIMAX1 75, 1 <b>Cartuccia</b> , MISURAIMAX1 75, Comparatore	SCGCL 16-09	1	CCMT09T3..
8SETRAIMAX75ST	Head RAIMAX1 75 , 1 <b>Cartridge</b> , MISURAIMAX1 75, Comparator	STGPL 16-11	1	TPGX1103..
8SETRAIMAX75SS	Head RAIMAX1 75 , 1 <b>Cartridge</b> , MISURAIMAX1 75, Comparator	SSXCL 16-09	1	SCMT09T3..
8SETRAIMAX100SC	Testina RAIMAX1 100, 1 <b>Cartuccia</b> , MISURAIMAX1 100, Comparatore	SCGCL 20-09	1	CCMT09T3..
8SETRAIMAX100ST	Head RAIMAX1 100 , 1 <b>Cartridge</b> , MISURAIMAX1 100, Comparator	STGPL 20-11	1	TPGX1103..
8SETRAIMAX100SS	Head RAIMAX1 100 , 1 <b>Cartridge</b> , MISURAIMAX1 100, Comparator	SSXCL 20-09	1	SCMT09T3..
8SETRAIMAX150SC	Testina RAIMAX1 150, 1 <b>Cartuccia</b> , MISURAIMAX1 150, Comparatore	SCGCL 20L-09	1	CCMT09T3..
8SETRAIMAX150ST	Head RAIMAX1 150 , 1 <b>Cartridge</b> , MISURAIMAX1 150, Comparator	STGPL 20L-11	1	TPGX1103..
8SETRAIMAX150SS	Head RAIMAX1 150 , 1 <b>Cartridge</b> , MISURAIMAX1 150, Comparator	SSXCL 20L-09	1	SCMT09T3..



Set RAIMAX1 composto da 2/3 Cartucce + 1 MISURAIMAX1+ 1 Comparatore 1/100



Set RAIMAX1 composed of 1 Cartridge + 1 MISURAIMAX1 + 1 Comparator 1/100

Code	Composizione Composition	Cartuccia Cartridge	N° Cartucce N° Cartridge	Inserto Insert
8SETRAIMAX30	Testina RAIMAX1 30, 2 <b>Cartucce</b> , MISURAIMAX1 30-40, Comparatore	SCGCL 08-6	1	CCMT0602..
	Head RAIMAX1 30 , 2 <b>Cartridges</b> , MISURAIMAX1 30-40, Comparator	STGPL 08-09	1	TPGX0902..
8SETRAIMAX40	Testina RAIMAX1 40, 2 <b>Cartucce</b> , MISURAIMAX1 30-40, Comparatore	SCGCL 10-06	1	CCMT0602..
	Head RAIMAX1 40 , 2 <b>Cartridges</b> , MISURAIMAX1 30-40, Comparator	STGPL 10-09	1	TPGX0902..
8SETRAIMAX50	Testina RAIMAX1 50, 3 <b>Cartucce</b> , MISURAIMAX1 50, Comparatore	SCGCL 12-09	1	CCMT09T3..
	Head RAIMAX1 50 , 3 <b>Cartridges</b> , MISURAIMAX1 50, Comparator	STGPL 12-11	1	TPGX1103..
	Head RAIMAX1 50 , 3 <b>Cartridges</b> , MISURAIMAX1 50, Comparator	SSXCL 12-09	1	SCMT09T3..
8SETRAIMAX75	Testina RAIMAX1 75, 3 <b>Cartucce</b> , MISURAIMAX1 75, Comparatore	SCGCL 16-09	1	CCMT09T3..
	Head RAIMAX1 75 , 3 <b>Cartridges</b> , MISURAIMAX1 75, Comparator	STGPL 16-11	1	TPGX1103..
	Head RAIMAX1 75 , 3 <b>Cartridges</b> , MISURAIMAX1 75, Comparator	SSXCL 16-09	1	SCMT09T3..
8SETRAIMAX100	Testina RAIMAX1 100, 3 <b>Cartucce</b> , MISURAIMAX1 100, Comparatore	SCGCL 20-09	1	CCMT09T3..
	Head RAIMAX1 100 , 3 <b>Cartridges</b> , MISURAIMAX1 100, Comparator	STGPL 20-11	1	TPGX1103..
	Head RAIMAX1 100 , 3 <b>Cartridges</b> , MISURAIMAX1 100, Comparator	SSXCL 20-09	1	SCMT09T3..
8SETRAIMAX150	Testina RAIMAX1 150, 3 <b>Cartucce</b> , MISURAIMAX1 150, Comparatore	SCGCL 20L-09	1	CCMT09T3..
	Head RAIMAX1 150 , 3 <b>Cartridges</b> , MISURAIMAX1 150, Comparator	STGPL 20L-11	1	TPGX1103..
	Head RAIMAX1 150 , 3 <b>Cartridges</b> , MISURAIMAX1 150, Comparator	SSXCL 20L-09	1	SCMT09T3..





Via Torino 502  
10032 Brandizzo (To)  
ITALY  
Tel. +39 011 9179514  
Fax +39 011 9179555 / 9179502  
[www.nuovacumet.it](http://www.nuovacumet.it)  
email: [info@nuovacumet.it](mailto:info@nuovacumet.it)