



BRIGHETTI MECCANICA

*Made in Italy  
since 1977*

# NOVITÀ 2024 / utensili per fresatura ed alesatura

## NEW 2024 / tools for boring and milling



La gamma di prodotti BRIGHETTI MECCANICA srl si completa con una nuova linea di utensili per alesatura e fresatura. Non utensili qualunque, ma altamente specifici e caratterizzati dalla famosa qualità BRIGHETTI! La nostra attenzione per le migliori materie prime e la precisione delle lavorazioni, adesso la trovi anche nella fresatura ed alesatura oltre che nella brocciatura e stozzatura.

*BRIGHETTI MECCANICA srl presents a new range of tools for boring and milling.*

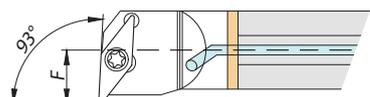
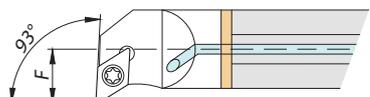
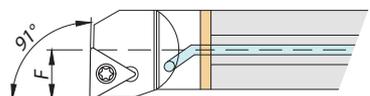
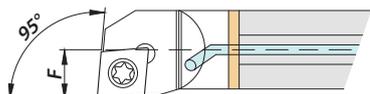
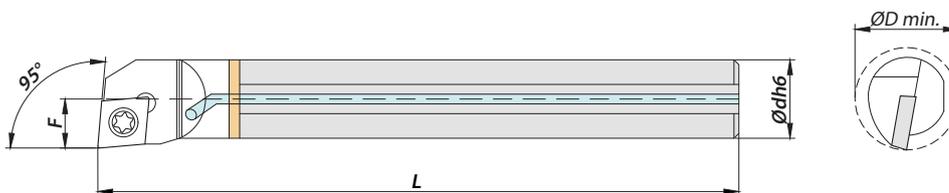
*Not any tools, but highly specific tools distinguished by BRIGHETTI famous quality standard! Beside broaching and slotting, now you can find our unique care and attention for first class raw materials and high precision machinings in tools for boring and milling.*





# Bareni di alesatura con gambo in metallo duro

## Hard metal shank boring tools



ARTICOLO (materiale) ITEM (material)	DIMENSIONI - DIMENSIONS					INSERTO/ INSERT	VITE/ SCREW	TORX/ KEY
	HARD METAL	Ødh6	L	F	ØD min			
<b>E08K SCLCR/L 06</b>	95°	8	125	5	10	<b>CC...0602</b>	<b>VM250</b>	<b>8</b>
<b>E10K SCLCR/L 06</b>	95°	10	125	6	12	<b>CC...0602</b>	<b>VM250</b>	<b>8</b>
<b>E12M SCLCR/L 06</b>	95°	12	150	7	14	<b>CC...0602</b>	<b>VM250</b>	<b>8</b>
<b>E16R SCLCR/L 09</b>	95°	16	200	10	19	<b>CC...09T3</b>	<b>VM4008</b>	<b>15</b>
<b>E20R SCLCR/L 09</b>	95°	20	200	12,5	23	<b>CC...09T3</b>	<b>VM4008</b>	<b>15</b>
<b>E25S SCLCR/L 09</b>	95°	25	250	14,5	28	<b>CC...09T3</b>	<b>VM4008</b>	<b>15</b>
<b>E32T SCLCR/L 09</b>	95°	32	300	19	36	<b>CC...09T3</b>	<b>VM4008</b>	<b>15</b>

<b>E10K STFCR/L 11</b>	91°	10	125	6	12	<b>TC...1102</b>	<b>VM250</b>	<b>8</b>
<b>E12M STFCR/L 11</b>	91°	12	150	8	15	<b>TC...1102</b>	<b>VM250</b>	<b>8</b>
<b>E16R STFCR/L 11</b>	91°	16	200	10	19	<b>TC...1102</b>	<b>VM250</b>	<b>8</b>
<b>E20R STFCR/L 11</b>	91°	20	200	13	24	<b>TC...1102</b>	<b>VM250</b>	<b>8</b>

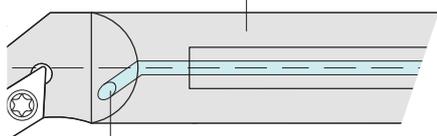
<b>E10K SDUCR/L 07</b>	93°	10	125	7	13	<b>DC...0702</b>	<b>VM250</b>	<b>8</b>
<b>E12M SDUCR/L 07</b>	93°	12	150	9	16	<b>DC...0702</b>	<b>VM250</b>	<b>8</b>
<b>E16Q SDUCR/L 07</b>	93°	16	180	11	20	<b>DC...0702</b>	<b>VM250</b>	<b>8</b>
<b>E16R SDUCR/L 11</b>	93°	16	200	11	20	<b>DC...11T3</b>	<b>VM4008</b>	<b>15</b>
<b>E20R SDUCR/L 11</b>	93°	20	200	13	24	<b>DC...11T3</b>	<b>VM4008</b>	<b>15</b>
<b>E25S SDUCR/L 11</b>	93°	25	250	16	29	<b>DC...11T3</b>	<b>VM4008</b>	<b>15</b>

<b>E16Q SVUCR/L 11</b>	93°	16	180	11	20	<b>VC...1103</b>	<b>LT2550</b>	<b>8</b>
<b>E20R SVUCR/L 11</b>	93°	20	200	13	24	<b>VC...1103</b>	<b>LT2550</b>	<b>8</b>

### CHIAVE DI LETTURA DEI CODICI ARTICOLO / KEY TO UNDERSTANDING ITEM CODES

esempio / example: <b>E10K ...</b>		
<b>E</b>	Barra antivibrante con stelo in metallo duro e adduzione refrigerante	Anti-vibration bar with hard metal shank and internal coolant flow
<b>10</b>	Diametro attacco utensile	Diameter of the hm shank
<b>K</b>	Lunghezza dell'utensile	Length of the tool
<b>K = 125mm / M = 150mm / Q = 180mm</b>		
<b>R = 200mm / S = 250mm / T = 300mm</b>		

GAMBO IN METALLO DURO  
HARD METAL SHANK



PASSAGGIO REFRIGERANTE INTERNO  
INTERNAL COOLANT FLOW



INSERTI IN METALLO DURO  
PER LAVORARE ACCIAIO  
HARD METAL INSERT  
TO MACHINE STEEL

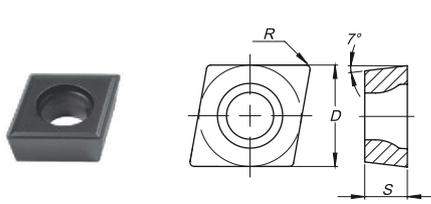
vedi pag. 3  
see page 3



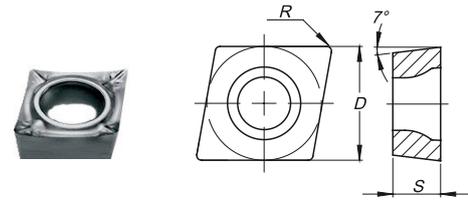


# Inserti in metallo duro per Boreni

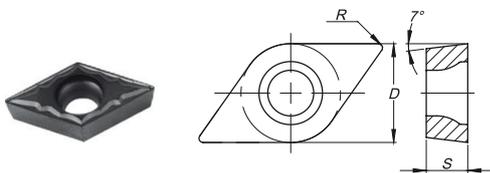
## Hard metal insert for Boring Tools



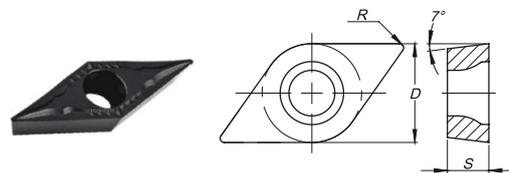
ARTICOLO (materiale) ITEM (material)	DIMENSIONI DIMENSIONS		
HARD METAL	D	S	R
CCMT 060202-VP1	6,35	2,38	0,2
CCMT 060204-VP2	6,35	2,38	0,4
CCMT 060208-VP2	6,35	2,38	0,8
CCMT 09T304-VP2	9,52	3,97	0,4
CCMT 09T308-VP2	9,52	3,97	0,8
CCMT 120404-VP2	12,7	4,76	0,4
CCMT 120408-VP2	12,7	4,76	0,8
CCMT 120412-VP2	12,7	4,76	1,2



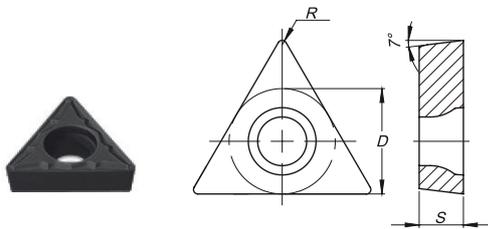
ARTICOLO (materiale) ITEM (material)	DIMENSIONI DIMENSIONS		
HARD METAL	D	S	R
CCGT 060202-VN	6,35	2,38	0,2
CCGT 060204-VN	6,35	2,38	0,4
CCGT 09T302-VN	9,52	3,97	0,2
CCGT 09T304-VN	9,52	3,97	0,4
CCGT 09T308-VN	9,52	3,97	0,8
CCGT 120402-VN	12,7	4,76	0,2
CCGT 120404-VN	12,7	4,76	0,4
CCGT 120408-VN	12,7	4,76	0,8



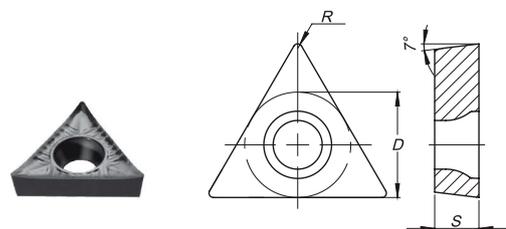
ARTICOLO (materiale) ITEM (material)	DIMENSIONI DIMENSIONS		
HARD METAL	D	S	R
DCMT 070202-VP2	6,35	2,38	0,2
DCMT 11T304-VP2	9,52	3,97	0,4
DCMT 11T308-VP2	9,52	3,97	0,8



ARTICOLO (materiale) ITEM (material)	DIMENSIONI DIMENSIONS		
HARD METAL	D	S	R
VCMT 110302-P3	6,35	3,18	0,2
VCMT 160404-FP	9,52	4,76	0,4
VCMT 160408-FP	9,52	4,76	0,8



ARTICOLO (materiale) ITEM (material)	DIMENSIONI DIMENSIONS		
HARD METAL	D	S	R
TCMT 110204-VP2	6,35	2,38	0,4
TCMT 110208-VP2	6,35	2,38	0,8
TCMT 16T304-VP2	9,52	3,97	0,4
TCMT 16T308-VP2	9,52	3,97	0,8



ARTICOLO (materiale) ITEM (material)	DIMENSIONI DIMENSIONS		
HARD METAL	D	S	R
TCGT 110202-VN	6,35	2,38	0,2

# Inserti in metallo duro per Frese a disco

## Hard metal insert for disc milling cutters

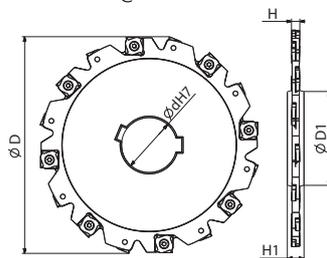
Hard metal insert for disc milling cutters



ARTICOLO (materiale) ITEM (material)	DIMENSIONI DIMENSIONS		
HARD METAL	L	S	D
SNHX 1202...	12,7	2,38	12,7
SNHX 1203...	12,7	3,18	12,7
SNHX 1204...	12,7	4,0	12,7
SNHX 12045...	12,7	4,5	12,7

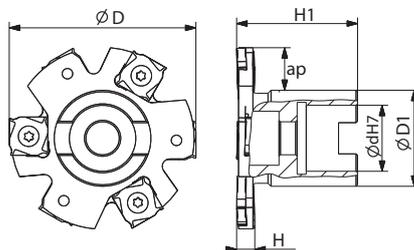


## Frese a disco Disc milling cutters



INSERTI vedi pag.3  
INSERT see page 3

ARTICOLO (materiale) ITEM (material)	DIMENSIONI - DIMENSIONS						INSERTO/ INSERT	VITE/ SCREW	TORX/ KEY
	HARD METAL	ØD	ØD1	Ødh7	H	H1			
BR-MD100H4Z10-SN12	100	40,7	27	4	12	10	SNHX 1202...	VM432X	9
BR-MD125H4Z12-SN12	125	50,5	40	4	12	12	SNHX 1202...	VM432X	9
BR-MD160H4Z16-SN12	160	66,7	40	4	12	16	SNHX 1202...	VM432X	9
BR-MD100H5Z10-SN12	100	45	27	5	12	10	SNHX 1203...	VM442X	15
BR-MD125H5Z12-SN12	125	58	40	5	12	12	SNHX 1203...	VM442X	15
BR-MD160H5Z16-SN12	160	68	40	5	12	16	SNHX 1203...	VM442X	15
BR-MD100H6Z10-SN12	100	45	27	6	12	10	SNHX 1203...	VM451X	15
BR-MD125H6Z12-SN12	125	58	40	6	12	12	SNHX 1203...	VM451X	15
BR-MD160H6Z12-SN12	160	68	40	6	12	16	SNHX 1203...	VM451X	15
BR-MD200H6Z18-SN12 *	200	72	50	6	12	18	SNHX 1203...	VM451X	15
BR-MD250H6Z24-SN12 *	250	72	50	6	12	24	SNHX 1203...	VM451X	15
BR-MD100H7Z10-SN12	100	45	27	7	12	10	SNHX 1204...	VM463X	15
BR-MD125H7Z12-SN12	125	58	40	7	12	12	SNHX 1204...	VM463X	15
BR-MD160H7Z16-SN12	160	68	40	7	12	16	SNHX 1204...	VM463X	15
BR-MD200H7Z18-SN12 *	200	72	50	7	12	18	SNHX 1204...	VM463X	15
BR-MD250H7Z24-SN12 *	250	72	50	7	12	24	SNHX 1204...	VM463X	15
BR-MD100H8Z10-SN12	100	45	27	8	12	10	SNHX 12045...	VM463X	15
BR-MD125H8Z12-SN12	125	58	40	8	12	12	SNHX 12045...	VM463X	15
BR-MD160H8Z16-SN12	160	68	40	8	12	16	SNHX 12045...	VM463X	15
BR-MD200H8Z18-SN12 *	200	72	50	8	12	18	SNHX 12045...	VM463X	15
BR-MD250H8Z24-SN12 *	250	72	50	8	12	24	SNHX 12045...	VM463X	15



## Frese a disco con manicotto Disc milling cutter with sleeve



INSERTI vedi pag.3  
INSERT see page 3

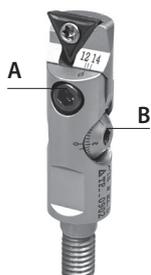
ARTICOLO (materiale) ITEM (material)	DIMENSIONI - DIMENSIONS							INSERTO/ INSERT	VITE/ SCREW	TORX/ KEY
	HARD METAL	ØD	ØD1	Ødh7	H	H1	ap			
BR-MDM63H4Z6-SN12	63	32	22	4	40	14	6	SNHX 1202...	VM432X	9
BR-MDM80H4Z8-SN12	80	40	22	4	50	18	8	SNHX 1202...	VM432X	9
BR-MDM100H4Z10-SN12	100	48	27	4	50	23	10	SNHX 1202...	VM432X	9
BR-MDM63H5Z6-SN12	63	32	22	5	40	14	6	SNHX 1203...	VM442X	15
BR-MDM80H5Z8-SN12	80	40	22	5	50	18	8	SNHX 1203...	VM442X	15
BR-MDM100H5Z10-SN12	100	48	27	5	50	23	10	SNHX 1203...	VM442X	15
BR-MDM63H6Z6-SN12	63	32	22	6	40	14	6	SNHX 1203...	VM451X	15
BR-MDM80H6Z8-SN12	80	40	22	6	50	18	8	SNHX 1203...	VM451X	15
BR-MDM100H6Z10-SN12	100	48	27	6	50	23	10	SNHX 1203...	VM451X	15
BR-MDM125H6Z12-SN12	125	70	40	6	50	30	12	SNHX 1203...	VM451X	15
BR-MDM160H6Z16-SN12	160	70	40	6	50	41	16	SNHX 1203...	VM451X	15
BR-MDM63H7Z6-SN12	63	32	22	7	40	12	6	SNHX 1204...	VM463X	15
BR-MDM80H7Z8-SN12	80	40	22	7	50	18	8	SNHX 1204...	VM463X	15
BR-MDM100H7Z10-SN12	100	48	27	7	50	23	10	SNHX 1204...	VM463X	15
BR-MDM125H7Z12-SN12	125	70	40	7	50	27	12	SNHX 1204...	VM463X	15
BR-MDM160H7Z16-SN12	160	70	40	7	50	41	16	SNHX 1204...	VM463X	15
BR-MDM63H8Z6-SN12	63	32	22	8	40	14	6	SNHX 12045...	VM463X	15
BR-MDM80H8Z8-SN12	80	40	22	8	50	18	8	SNHX 12045...	VM463X	15
BR-MDM100H8Z10-SN12	100	48	27	8	50	23	10	SNHX 12045...	VM463X	15
BR-MDM125H8Z12-SN12	125	70	40	8	50	27	12	SNHX 12045...	VM463X	15
BR-MDM160H8Z16-SN12	160	70	40	8	50	41	16	SNHX 12045...	VM463X	15





## Testine registrabili

### Micro-adjustable Boring heads



ARTICOLO (materiale) ITEM (material)	DIMENSIONI - DIMENSIONS			INSERTO/ INSERT	VITE/ SCREW	TORX/ KEY
	Ø Range	L	M			
HARD METAL						
BR-TM10/12	10 - 12	29	5	TB...0601	VPM2x4	6
BR-TM12/14	12 - 14	35	6	TP..0902	VM2506	8
BR-TM14/17	14 - 17	35	6	TP..0902	VM2506	8
BR-TM16/21	16 - 21	38	8	TP..0902	VM2506	8
BR-TM20/28	20 - 28	42	10	TP..0902	VM2506	8

#### CONSIGLI DI UTILIZZO

- 1 - allentare la vite di bloccaggio "A"
- 2 - registrare il diametro di alesatura desiderato ruotando la vite "B"
- 3 - serrare la vite di bloccaggio "A"

#### NOTA BENE:

- la regolazione centesimale di questo utensile permette un range diametrico da 2 a 8mm
- si raccomanda l'utilizzo esclusivamente su portautensili antivibranti

#### RECOMMENDATION FOR CORRECT USE

- 1 - loosen the clamping screw "A"
- 2 - turning the screw "B" until the desired diameter is adjust
- 3 - tighten the clamping screw "A"

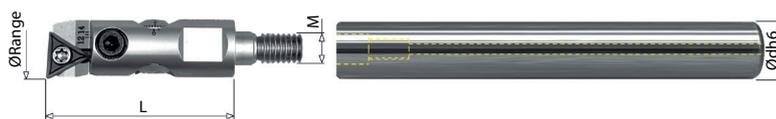
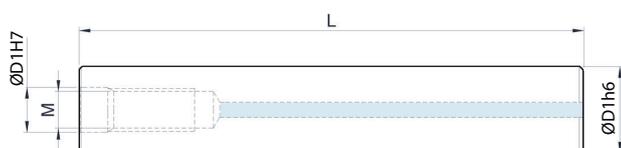
#### DETAILS:

- the centesimal regulation of this tool allows a diameter range from 2 to 8mm
- use is recommended only with carbide toolholder

## Prolunghe in metallo duro per attacchi filettati

### Carbide extensions for milling heads

Da utilizzare con le Testine registrabili  
To be used with micro-adjustable boring heads



ARTICOLO (materiale) ITEM (material)	DIMENSIONI - DIMENSIONS			
	ØDh6	M	L	ØD1H7
HARD METAL				
BR-PMD-10M06-100	10	6	100	6,5
BR-PMD-10M06-150	10	6	150	6,5
BR-PMD-11M06-100	11	6	100	6,5
BR-PMD-11M06-150	11	6	150	6,5
BR-PMD-12M06-100	12	6	100	6,5
BR-PMD-12M06-150	12	6	150	6,5
BR-PMD-15M08-100	15	8	100	8,5
BR-PMD-15M08-150	15	8	150	8,5
BR-PMD-15M08-200	15	8	200	8,5
BR-PMD-16M08-100	16	8	100	8,5
BR-PMD-16M08-150	16	8	150	8,5
BR-PMD-16M08-200	16	8	200	8,5
BR-PMD-16M08-250	16	8	250	8,5
BR-PMD-19M10-100	19	10	100	10,5
BR-PMD-19M10-150	19	10	150	10,5
BR-PMD-19M10-200	19	10	200	10,5

BR-PMD-19M10-250	19	10	250	10,5
BR-PMD-20M10-100	20	10	100	10,5
BR-PMD-20M10-150	20	10	150	10,5
BR-PMD-20M10-200	20	10	200	10,5
BR-PMD-20M10-250	20	10	250	10,5
BR-PMD-24M12-150	24	12	150	12,5
BR-PMD-24M12-200	24	12	200	12,5
BR-PMD-24M12-250	24	12	250	12,5
BR-PMD-24M12-300	24	12	300	12,5
BR-PMD-25M12-150	25	12	150	12,5
BR-PMD-25M12-200	25	12	200	12,5
BR-PMD-25M12-250	25	12	250	12,5
BR-PMD-25M12-300	25	12	300	12,5
BR-PMD-32M16-150	32	16	150	17
BR-PMD-32M16-200	32	16	200	17
BR-PMD-32M16-250	32	16	250	17
BR-PMD-32M16-300	32	16	300	17
BR-PMD-32M16-350	32	16	350	17
BR_PMD-32M16-400	32	16	400	17

Viti di ricambio  
disponibili per tutti gli articoli  
Spare screws available for all items

Prolunghe scaricate in MD  
disponibili su richiesta  
Reduced carbide extensions  
available on request





**AIE**

**info@aiebv.com**

**T +31 (0)165 224140**

**www.aiebv.com**

**AKKERMANS INDUSTRIAL ENGINEERING B.V.**

Vijfhuizenberg 103A • 4708AJ Roosendaal (Noord-Brabant) • Nederland

T (+31) 0165 224140 • info@aiebv.com • www.aiebv.com

KvK 20040320 • BTW nr. 005358012B01 • IBAN NL33 RABO 0141 2525 10 • BIC RABONL2U