

# FRESE CONICHE

- GESENKFRÄSER
- TAPER CUTTERS
- FRAISES CONIQUES
- FRESAS CONICAS

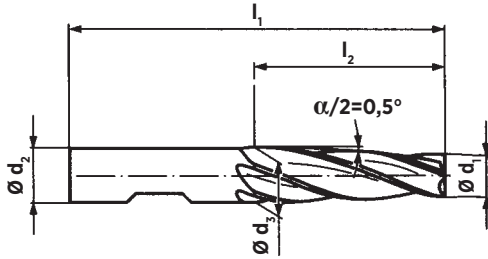


ILLI-CO HIGH QUALITY

# HSS-Co8

## ILLICO NORM

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

4	4,52	30	75	6	4
6	6,70	40	100	8	4
8	8,79	45	100	10	4
10	10,79	45	100	12	4
12	12,79	45	100	12	4

8501



€ 76,10  
 € 95,00  
 € 98,30  
 € 112,50  
 € 177,00



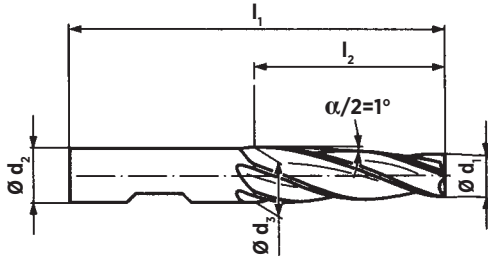
P  
M  
K  
N  
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# HSS-Co8

## ILLICO NORM

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

6	7,4	40	90	8	4
8	10,5	70	125	10	4
12	14,1	60	120	12	4
12	14,8	80	140	12	4
16	18,1	60	125	16	4

8500



- € 91,40 ■
- € 109,00 ■
- € 125,50 ■
- € 131,50 ■
- € 173,50 ■



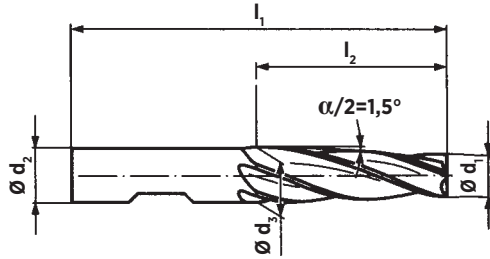
P  
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H



# HSS-Co8

## ILLICO NORM

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

6	7,98	35	100	8	4
10	12,88	55	120	12	4
12	15,14	60	120	16	4

8503



€ 95,00

€ 108,00 ■

€ 177,00



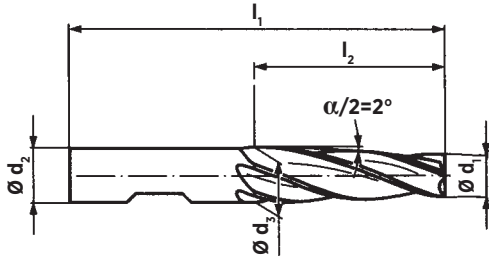
P  
M  
K  
N  
S  
H



# HSS-Co8

## ILLICO NORM

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

8	10,8	40	95	10	4
12	16,2	60	125	16	4
16	20,2	60	125	20	4

8504



€ 104,50 ■  
 € 140,50 ■  
 € 202,50 ■



p. 220



p. 145

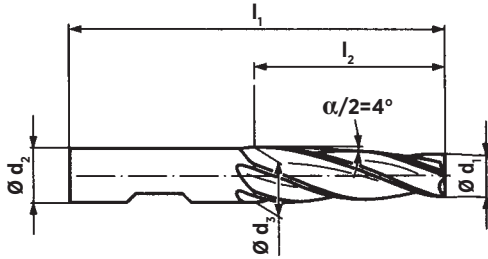
P  
M  
K  
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S  
H



# HSS-Co8

## ILLICO NORM

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2, h_6$	Z
-------------------	-------------------	-------	-------	------------------------	---

8	13,6	40	100	12	4
8	15	50	115	16	4
8	17,8	70	135	16	4
10	15,6	40	105	16	4
10	18,4	60	125	16	4
12	20,4	60	125	20	4

<b>8512</b>
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€ 113,50 ■
€ 132,50 ■
€ 154,00 ■
€ 129,00 ■
€ 143,00 ■
€ 182,50 ■



P  
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H



**SERVIZI DI  
RIAFFILATURA  
RIVESTIMENTO**

RE-SHARPENING  
AND COATING  
SERVICE



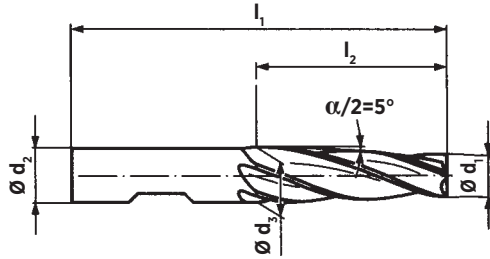
**Angelo Ghezzi & C SpA**



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## ILLICO NORM

CORTA | KURZ | SHORT | COURTE | CORTA



8516

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€ 216,00 ■

$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

8	20,3	70	135	20	4
---	------	----	-----	----	---

p. 220 p. 145

P  
M  
K  
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S  
H

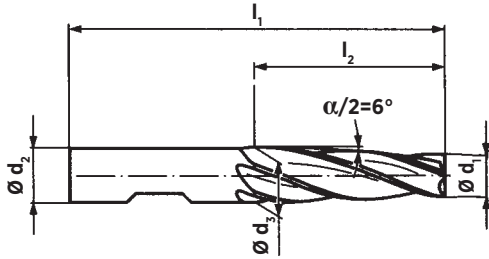




# HSS-Co8

## ILLICO NORM

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

6	16,5	50	115	16	4
8	22,7	70	135	20	4
10	18,4	40	105	16	4
10	26,8	80	150	25	4
12	24,6	60	130	25	4
12	28,8	80	150	25	4
16	37	100	175	32	6

8520



€ 140,00
€ 225,50 ■
€ 155,50
€ 275,00
€ 229,00
€ 293,00
€ 636,00



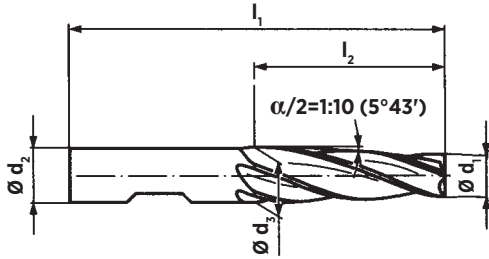
P  
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# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

8	17	45	103	16	4
12	21	45	106	20	4
12	26,2	71	140	25	4
16	26	50	120	25	4

8528



€ 164,00	■
€ 193,00	■
€ 254,50	■
€ 257,00	■



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**I NOSTRI SERVIZI  
SEMPRE A  
DISPOSIZIONE**

OUR PROMPT  
SERVICES ALWAYS  
READY FOR YOU



**Angelo Ghezzi & C SpA**

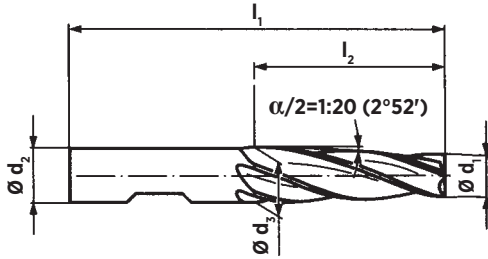


**UTENSILI SPECIALI**  
SPECIAL TOOLS DEPARTMENT

# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



8532

HSS-Co8

$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
12	17	50	109	16	4
12	20	80	140	20	4
16	25	90	160	25	6

€ 154,50 ■  
 € 206,50 ■  
 € 292,00 ■

p. 220 p. 145

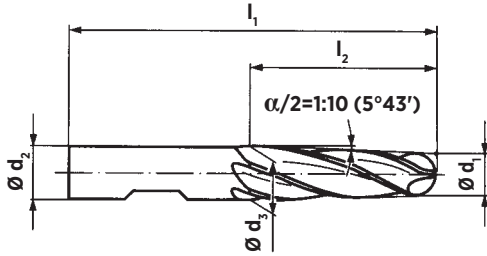
P  
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# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

12	21	45	106	20	4
12	26,2	71	140	25	4

8540



€ 232,50 ■  
€ 289,00 ■



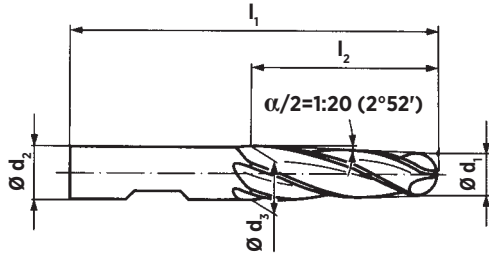
P  
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# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

6	10	40	95	10	4
16	21,6	56	120	20	4
16	25	90	160	25	6
20	26,3	63	135	25	6

8544



- € 161,00 ■
- € 282,00 ■
- € 347,00 ■
- € 400,00 ■

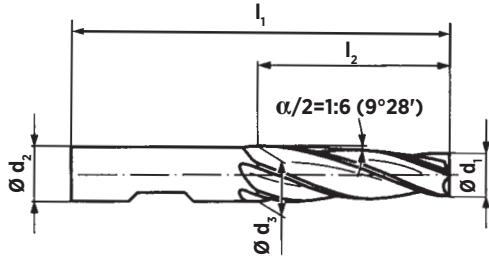
p. 220 p. 145

P	●●●
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K	●●○
N	●○○
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H	○○○

# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

8	25	50	120	25	4
12	33	63	135	32	4

8548



€ 257,00 ■  
€ 433,00 ■

p. 220 p. 146

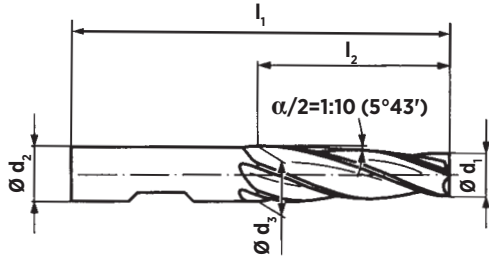
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# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

8	17	45	103	16	4
8	22,2	71	135	20	4
12	21	45	106	20	4
12	26,2	71	140	25	4
16	26	50	120	25	6

<b>8552</b>
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HSS-Co8

€ 178,50 ■
€ 323,00 ■
€ 299,00 ■
€ 377,00 ■
€ 427,00 ■

p. 220 p. 146

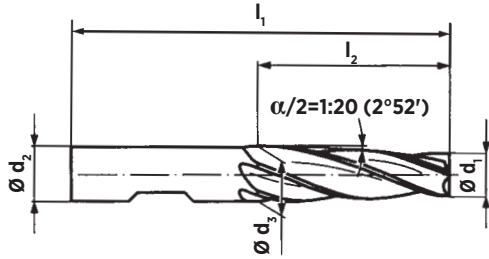
P	●●●
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K	●●○
N	●○○
S	●○○
H	○○○



# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

8	12,5	45	105	12	4
8	16	80	138	16	4
12	17	50	109	16	4
12	20	80	140	20	4
16	21,6	56	120	20	4
16	25	90	160	25	4
20	26,3	63	135	25	5
20	30	100	170	25	5

<b>8556</b>
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HSS-Co8

€ 147,00 ■
€ 224,50 ■
€ 265,00 ■
€ 265,00 ■
€ 310,00 ■
€ 413,00 ■
€ 433,00 ■
€ 505,00 ■

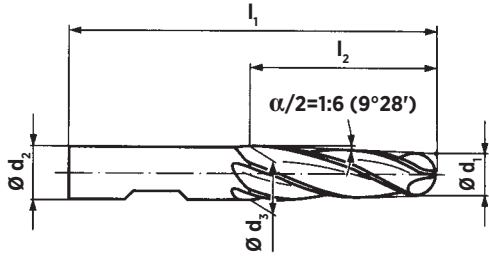
p. 220 p. 146

P	●●●
M	●○○
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N	●○○
S	●○○
H	○○○

# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

8	25	50	120	25	4
12	33	63	135	32	4

8560



€ 310,00 ■  
€ 496,00 ■

p. 220 p. 146

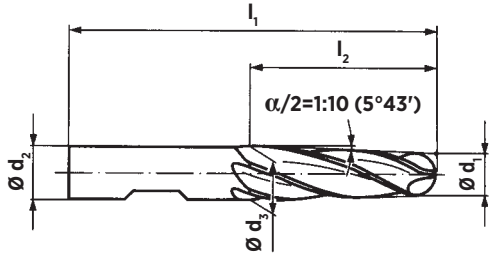
P  
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# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

8	17	45	103	16	4
8	22,2	71	135	20	4
12	21	45	106	20	4
12	26,2	71	140	25	4
16	26	50	120	25	4

<b>8564</b>
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HSS-Co8

€ 222,00
€ 385,00
€ 385,00
€ 441,00 ■
€ 516,00

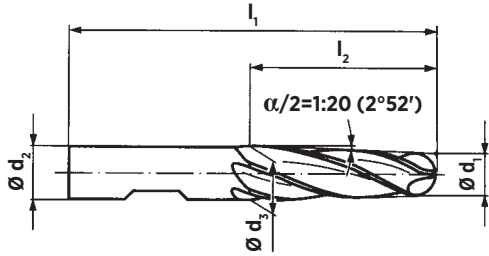
p. 220 p. 146

P	●●●
M	●○○
K	●●○
N	●○○
S	●○○
H	○○○

# HSS-Co8

## DIN 1889

CORTA | KURZ | SHORT | COURTE | CORTA



$\varnothing d_1$	$\varnothing d_3$	$l_2$	$l_1$	$\varnothing d_2 h_6$	Z
-------------------	-------------------	-------	-------	-----------------------	---

8	16	80	138	16	4
12	17	50	109	16	4
12	20	80	140	20	4
16	21,6	56	120	20	4
16	25	90	160	25	5
20	26,3	63	135	25	5
20	30	100	170	25	5

<b>8568</b>
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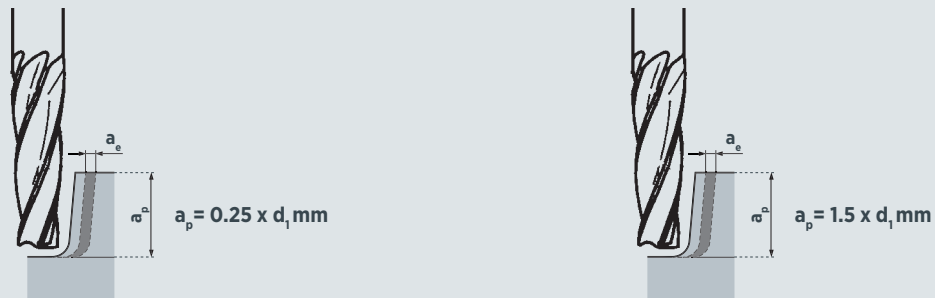
€ 280,00
€ 385,00
€ 345,00
€ 400,00
€ 501,00
€ 554,00
€ 626,00



P	●●●
M	●○○
K	●●○
N	●○○
S	●○○
H	○○○

## TIPO NS-BNS | TYPE NS-BNS

$f_z$  [mm] AVANZAMENTO AL DENTE |  $f_z$  [mm] TOOTH FOR FEED



CONTORNATURA   SIDE MILLING				
$\emptyset$	SEMI FINITURA $f_z$ SEMI FINISHING $f_z$	$a_e = 0.3 \times d_1$ mm	FINITURA $f_z$ FINISHING $f_z$	$a_e = 0.02 \times d_1$ mm
4	0,024	1,20	0,032	0,08
5	0,030	1,50	0,040	0,10
6	0,036	1,80	0,048	0,12
8	0,048	2,40	0,064	0,16
10	0,060	3,00	0,080	0,20
12	0,072	3,60	0,096	0,24
14	0,084	4,20	0,112	0,28
16	0,096	4,80	0,128	0,32
20	0,120	6,00	0,160	0,40

$V_c$  [m/min] VELOCITÀ DI TAGLIO |  $V_c$  [m/min] CUTTING SPEED

		P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	M <sub>1</sub>	M <sub>2</sub>	K <sub>1</sub>	K <sub>2</sub>	N <sub>1</sub>	N <sub>2</sub>	S <sub>1</sub>	S <sub>2</sub>	H
$V_c$ [m/min] RIVESTITO COATED	Min	25	20	15	10	8	15	20	40	35	10	-	-
	Max	50	40	25	15	12	35	25	90	80	15	-	-
$V_c$ [m/min] NON RIVESTITO UNCOATED	Min	20	15	10	7	5	15	10	35	25	8	-	-
	Max	35	30	15	10	8	25	20	60	55	10	-	-
* COEFFICIENTE AVANZAMENTO		1	0,8	0,6	0,6	0,4	1	0,7	1,8	1	0,4	0,6	0,4

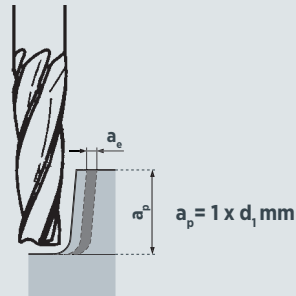
\* Moltiplicare l'avanzamento " $f_z$ " relativo al diametro x il coefficiente avanzamento relativo al materiale.  
Esempio: fresa  $\emptyset$  16 (finitura) " $f_z$ " 0,128 materiale gruppo P<sub>3</sub> -  $0,128 \times 0,6 = 0,077$  " $f_z$ "

\* Multiply the feed " $f_z$ " of the diameter by the feed coefficient of the related material.  
Example: Endmill  $\emptyset$  16 (finishing) " $f_z$ " 0,128 material group P<sub>3</sub> -  $0,128 \times 0,6 = 0,077$  " $f_z$ "



## TIPO RS-BRS | TYPE RS-BRS

$f_z$  [mm] AVANZAMENTO AL DENTE |  $f_z$  [mm] TOOTH FOR FEED



CONTORNATURA   SIDE MILLING		
$\emptyset$	SGROSSATURA $f_z$ ROUGHING $f_z$	$a_e = 0.3 \times d_1$ mm
8	0,032	2,40
10	0,040	3,00
12	0,048	3,60
14	0,056	4,20
16	0,064	4,80
18	0,072	5,40
20	0,080	6,00

$V_c$  [m/min] VELOCITÀ DI TAGLIO |  $V_c$  [m/min] CUTTING SPEED

		P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	M <sub>1</sub>	M <sub>2</sub>	K <sub>1</sub>	K <sub>2</sub>	N <sub>1</sub>	N <sub>2</sub>	S <sub>1</sub>	S <sub>2</sub>	H
$V_c$ [m/min] RIVESTITO COATED	Min	30	25	10	15	10	25	10	-	50	15	-	-
	Max	60	50	20	30	20	50	20	-	70	25	-	-
$V_c$ [m/min] NON RIVESTITO UNCOATED	Min	25	20	7	10	7	20	7	-	30	7	-	-
	Max	40	30	15	25	15	30	15	-	50	17	-	-
* COEFFICIENTE AVANZAMENTO * FEED COEFFICIENT		1	0,8	0,6	0,6	0,4	1	0,7	1,8	1	0,4	0,6	0,4

\* Moltiplicare l'avanzamento " $f_z$ " relativo al diametro x il coefficiente avanzamento relativo al materiale.  
Esempio: fresa  $\emptyset$  16 (sgrossatura) " $f_z$ " 0,064 materiale gruppo M<sub>1</sub> -  $0,064 \times 0,6 = 0,038$  " $f_z$ "

\* Multiply the feed " $f_z$ " of the diameter by the feed coefficient of the related material.  
Example: Endmill  $\emptyset$  16 (roughing) " $f_z$ " 0,064 material group M<sub>1</sub> -  $0,064 \times 0,6 = 0,038$  " $f_z$ "



**PER ULTERIORI  
INFORMAZIONI  
CONTATTATECI**

FOR MORE  
INFORMATION  
PLEASE  
CONTACT US



**Angelo Ghezzi & C SpA**



**Numero Verde 800-018130**

**SERVIZIO TECNICO**  
TECHNICAL HELP