

Carbure Monobloc

Solid Carbide

Hartmetall

Metal Duro



Haute performance / High performance / Hochleistung / Alto rendimiento

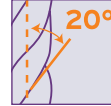
8 **23624** 1

HM Carb



Perfor norm

z = 2



e8



Applications  
Anwendungen  
Aplicaciones



**new**  
nouveau

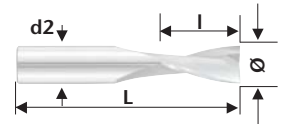


**SLIDE CUT** 23625 p. 38



Vc, Vf, fz  
p. 145

Angle de coupe 15°  
Rake angle 15°  
Panwinkel 15°  
Angulo de corte 15°



Ø mm	d2	I	L	Ø mm	d2	I	L	Ø mm	d2	I	L	Ø mm	d2	I	L
3	6	8	57	6	6	13	57	12	12	26	83	18	18	32	92
4	6	11	57	8	8	19	63	14	14	26	83	20	20	38	104
5	6	13	57	10	10	22	72	16	16	32	92				



Usinage de voiles fins  
End milling of thin partitions  
Bearbeitung von dünnen Wänden  
Mecanizado de tabiques finos

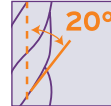
8 **23625** 1

HM Carb



Perfor norm

z = 2



e8



Applications  
Anwendungen  
Aplicaciones

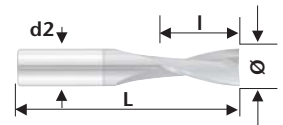


**new**  
nouveau



Vc, Vf, fz  
p. 145

Angle de coupe 15°  
Rake angle 15°  
Panwinkel 15°  
Angulo de corte 15°



Ø mm	d2	I	L	Ø mm	d2	I	L	Ø mm	d2	I	L	Ø mm	d2	I	L
3	6	8	57	6	6	13	57	12	12	26	83	18	18	32	92
4	6	11	57	8	8	19	63	14	14	26	83	20	20	38	104
5	6	13	57	10	10	22	72	16	16	32	92				

**new**  
nouveau 07/2003

8 ~~23664~~ 1 → 8 **23624** 1  
8 ~~23679~~ 1 → 8 **23625** 1

**?** OUTILS SPÉCIAUX - SPECIAL TOOLS  
Autre dimension / Revêtement / Application ?  
Other dimension / Coating / Application ?  
→ **CONSULTEZ-NOUS / CONSULT US**  
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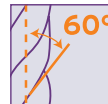
8 **23621** 1

HM  
Carb



Perfor  
norm

z = 3



ULTRA  
CUT

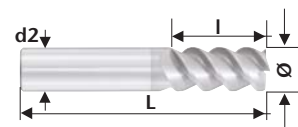
Applications  
Anwendungen  
Aplicaciones



new  
nouveau



Vc, Vf, fz  
p. 146



Ø mm	d2	L	l	Ø mm	d2	L	l	Ø mm	d2	L	l	Ø mm	d2	L	l
3	3	39	14	6	6	64	19	12	12	76	25	20	20	102	38
4	4	51	16	8	8	64	21	16	16	89	32				
5	5	51	16	10	10	70	25								

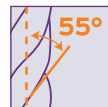
8 **23623** 1

HM  
Carb



Perfor  
norm

z = 6



h9

ULTRA  
CUT

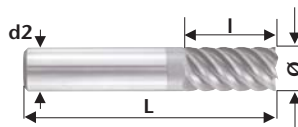
Applications  
Anwendungen  
Aplicaciones



new  
nouveau



Vc, Vf, fz  
p. 145



Ø mm	d2	L	l	Ø mm	d2	L	l	Ø mm	d2	L	l	Ø mm	d2	L	l
6	6	64	19	10	10	64	25	16	16	89	32	20	20	102	38
8	8	64	21	12	12	76	25								

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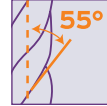
8 **23636** 1

HM  
Carb



Sim  
DiN  
6527 L

z =  
**8-12**



h9

**ULTRA  
CUT**

Applications  
Anwendungen  
Aplicaciones



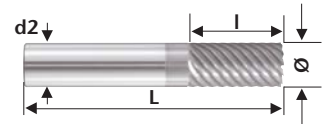
**new  
nouveau**



Vc, Vf, fz  
p. 147

Angle de coupe 0°  
Rake angle 0°  
Panwinkel 0°  
Angulo de corte 0°

**Zmax**



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
6	6	57	13	8	10	10	72	22	10	14	14	83	26	12
8	8	63	19	10	12	12	83	26	12	16	16	92	32	12

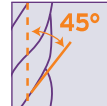
8 **23634** 1

HM  
Carb



Sim  
DiN  
6527 L

z =  
**4-8**



h9

**ULTRA  
CUT**

Applications  
Anwendungen  
Aplicaciones



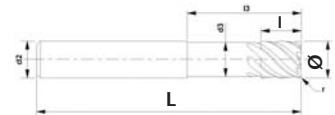
**new  
nouveau**



Vc, Vf, fz  
p. 147

Angle de coupe 5°  
Rake angle 5°  
Panwinkel 5°  
Angulo de corte 5°

**Torik**



Ø mm	d2	d3	L	l	l3	Rayon	Z	Ø mm	d2	d3	L	l	l3	Rayon	Z
3	6	2,8	57	4	14	0,5	4	8	8	7,4	63	9	26	1	6
4	6	3,7	57	5	16	0,5	4	10	10	9,2	72	11	31	0,5	6
5	6	4,6	57	6	18	0,5	4	10	10	9,2	72	11	31	1	6
6	6	5,5	57	7	20	0,5	6	12	12	11	83	12	37	0,5	6
6	6	5,5	57	7	20	0,8	6	16	16	15	92	16	43	1,5	6
8	8	7,4	63	9	26	0,5	6	20	20	19	104	20	53	2	8

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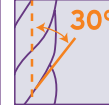
8 **23631** 1

HM  
Carb



Perfor  
norm

z = 2



h9

ULTRA  
CUT

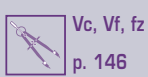
Applications  
Anwendungen  
Aplicaciones



new  
nouveau



SLIDE CUT 23632 p. 41



Angle de coupe 16°  
Rake angle 16°  
Panwinkel 16°  
Angulo de corte 16°



Ø mm	d2	L	l	Rayon	Ø mm	d2	L	l	Rayon	Ø mm	d2	L	l	Rayon
3	6	57	4	1,5	7	8	100	13	3,5	12	12	100	22	6
4	6	80	5	2	8	8	100	16	4	16	16	125	32	8
5	6	80	6	2,5	9	10	100	16	4,5					
6	6	80	10	3	10	10	100	19	5					

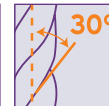
8 **23632** 1

HM  
Carb



Perfor  
norm

z = 2



h9

SLIDE  
CUT

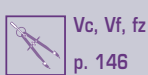
Applications  
Anwendungen  
Aplicaciones



new  
nouveau



ULTRA CUT 23631 p. 41



Angle de coupe 16°  
Rake angle 16°  
Panwinkel 16°  
Angulo de corte 16°



Ø mm	d2	L	l	Rayon	Ø mm	d2	L	l	Rayon	Ø mm	d2	L	l	Rayon
3	6	57	4	1,5	7	8	100	13	3,5	12	12	100	22	6
4	6	80	5	2	8	8	100	16	4	16	16	125	32	8
5	6	80	6	2,5	9	10	100	16	4,5					
6	6	80	10	3	10	10	100	19	5					

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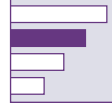
Metal Duro



Haute performance / High performance / Hochleistung / Alto rendimiento

8 **23628** 1

HM  
Carb



Perfor  
norm

z = 2



h9

ULTRA  
CUT

Applications  
Anwendungen  
Aplicaciones



new  
nouveau

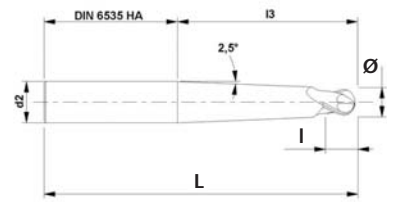


SLIDE CUT 23629 p. 42



Queue renforcée  
Oversize shank  
Verstärkter Schaft  
Mango reforzado

Angle de coupe 16°  
Rake angle 16°  
Panwinkel 16°  
Angulo de corte 16°



Ø mm	d2	L	I	I3	Rayon	Ø mm	d2	L	I	I3	Rayon	Ø mm	d2	L	I	I3	Rayon
3	6	80	3	37	1,5	6	10	100	6	52	3	12	16	140	12	58	6
4	8	90	4	50	2	8	12	100	8	53	4						
5	8	100	5	49	2,5	10	14	125	10	56	5						

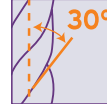
8 **23629** 1

HM  
Carb



Perfor  
norm

z = 2



h9

SLIDE  
CUT

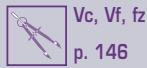
Applications  
Anwendungen  
Aplicaciones



new  
nouveau

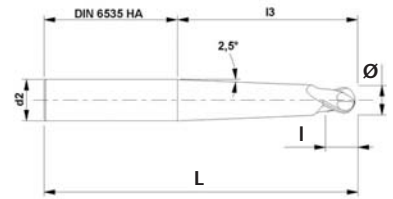


ULTRA CUT 23628 p. 42



Queue renforcée  
Oversize shank  
Verstärkter Schaft  
Mango reforzado

Angle de coupe 16°  
Rake angle 16°  
Panwinkel 16°  
Angulo de corte 16°



Ø mm	d2	L	I	I3	Rayon	Ø mm	d2	L	I	I3	Rayon	Ø mm	d2	L	I	I3	Rayon
3	6	80	3	37	1,5	6	10	100	6	52	3	12	16	140	12	58	6
4	8	90	4	50	2	8	12	100	8	53	4						
5	8	100	5	49	2,5	10	14	125	10	56	5						

? **OUTILS SPÉCIAUX - SPECIAL TOOLS**  
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Other dimension / Coating / Application ?  
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