

Ebauche / Roughing / Schruppfräser / Desbaste

Queue Cylindrique / Parallel shank / Zylinderschaft / Mango cilindrico

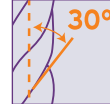
8 **03225** 1

HSS E8



DiN 844 B/K

z = 4-6



TYP NF



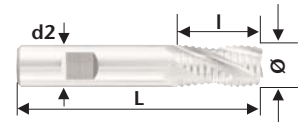
Applications
Anwendungen
Aplicaciones



HIGH CUT 03658 p. 71



Semi finition
Semi finishing end mills
Schaftschruppschlichtfräser
Semi acabado



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
6	6	57	13	4	14	12	83	26	4	25	25	121	45	4
8	10	69	19	4	16	16	92	32	4	30	25	121	45	6
10	10	72	22	4	18	16	92	32	4	32	32	133	53	6
12	12	83	26	4	20	20	104	38	4					

8 **03658** 1

HSS E8



DiN 844 B/K

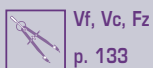
z = 4-6



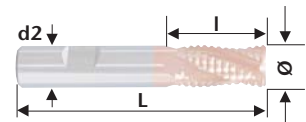
TYP NF

HIGH CUT

Applications
Anwendungen
Aplicaciones



Semi finition
Semi finishing end mills
Schaftschruppschlichtfräser
Semi acabado



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
6	6	57	13	4	14	12	83	26	4	25	25	121	45	4
8	10	69	19	4	16	16	92	32	4	30	25	121	45	6
10	10	72	22	4	18	16	92	32	4	32	32	133	53	6
12	12	83	26	4	20	20	104	38	4					

? OUTILS SPÉCIAUX - SPECIAL TOOLS
Autre dimension / Revêtement / Application ?
Other dimension / Coating / Application ?
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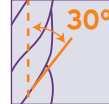
8 **03159** 1

HSS
PM



DiN
844
B/K

z =
4-6



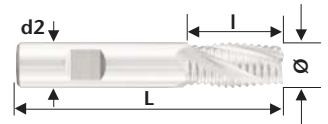
TYP
NR



Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
7	10	66	16	4	14	12	83	26	4	28	25	121	45	6
8	10	69	19	4	15	12	83	26	4	30	25	121	45	6
9	10	69	19	4	16	16	92	32	4	32	32	133	53	6
10	10	72	22	4	18	16	92	32	4	36	32	133	53	6
11	12	79	22	4	20	20	104	38	4	40	40	155	63	6
12	12	83	26	4	22	20	104	38	4					
13	12	83	26	4	25	25	121	45	4					

8 **03355** 1

HSS
E8



DiN
844
B/K

z =
4-6



TYP
NR
ASYPRO



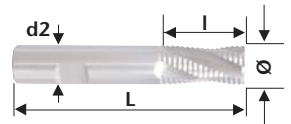
Applications
Anwendungen
Aplicaciones



HIGH CUT 03656 p. 73

INO CUT 03678 p. 73

Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	69	19	4	18	16	92	32	4	30	25	121	45	6
10	10	72	22	4	20	20	104	38	4	32	32	133	53	6
12	12	83	26	4	22	20	104	38	4	36	32	133	53	6
14	12	83	26	4	25	25	121	45	4	40	40	155	63	6
16	16	92	32	4	28	25	121	45	6					

OUTILS SPÉCIAUX - SPECIAL TOOLS
Autre dimension / Revêtement / Application ?
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8 **03656** 1

HSS E8



DiN 844 B/K

z = 4-6



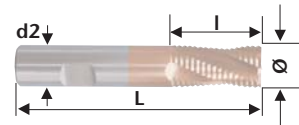
TYP NR ASYPRO

HIGH CUT

Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	69	19	4	16	16	92	32	4	25	25	121	45	4
10	10	72	22	4	18	16	92	32	4	30	25	121	45	6
12	12	83	26	4	20	20	104	38	4	32	32	133	53	6
14	12	83	26	4	22	20	104	38	4					

8 **03678** 1

HSS E8



DiN 844 B/K

z = 4-6



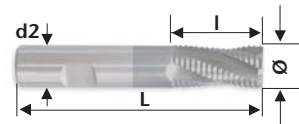
TYP NR ASYPRO

INO CUT

Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	69	19	4	16	16	92	32	4	25	25	121	45	4
10	10	72	22	4	18	16	92	32	4	30	25	121	45	6
12	12	83	26	4	20	20	104	38	4	32	32	133	53	6
14	12	83	26	4	22	20	104	38	4					

? OUTILS SPÉCIAUX - SPECIAL TOOLS
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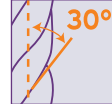
8 **03356** 1

HSS
PM



DiN
844
B/K

z =
4-6

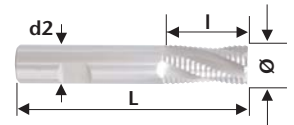


TYP
NR
ASYPRO

Applications
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Aplicaciones



Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
6	6	57	13	4	14	12	83	26	4	28	25	121	45	6
7	10	66	16	4	16	16	92	32	4	30	25	121	45	6
8	10	69	19	4	18	16	92	32	4	32	32	133	53	6
9	10	69	19	4	20	20	104	38	4	36	32	133	53	6
10	10	72	22	4	22	20	104	38	4	40	40	155	63	6
12	12	83	26	4	25	25	121	45	4					

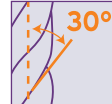
8 **03634** 1

HSS
E8



DiN
844
B/K

z =
4-6



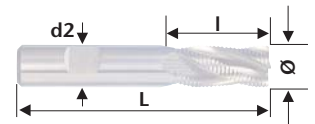
TYP
HR

Applications
Anwendungen
Aplicaciones



HIGH CUT 03635 p. 75
INO CUT 03655 p. 75

Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
6	6	57	13	4	14	12	83	26	4	22	20	104	38	4
8	10	69	19	4	16	16	92	32	4	25	25	121	45	4
10	10	72	22	4	18	16	92	32	4	30	25	121	45	6
12	12	83	26	4	20	20	104	38	4	32	32	133	53	6

? OUTILS SPÉCIAUX - SPECIAL TOOLS
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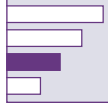


Ebauche / Roughing / Schruppfräser / Desbaste

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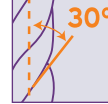
8 **03635** 1

HSS
E8



DiN
844
B/K

z =
4-6



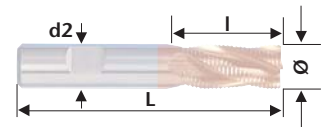
TYP
HR

HIGH
CUT

Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
6	6	57	13	4	14	12	83	26	4	22	20	104	38	4
8	10	69	19	4	16	16	92	32	4	25	25	121	45	4
10	10	72	22	4	18	16	92	32	4	30	25	121	45	6
12	12	83	26	4	20	20	104	38	4	32	32	133	53	6

8 **03655** 1

HSS
E8



DiN
844
B/K

z =
4-6



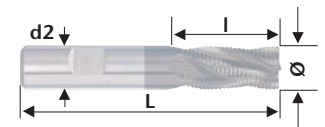
TYP
HR

INO
CUT

Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
6	6	57	13	4	14	12	83	26	4	22	20	104	38	4
8	10	69	19	4	16	16	92	32	4	25	25	121	45	4
10	10	72	22	4	18	16	92	32	4	30	25	121	45	6
12	12	83	26	4	20	20	104	38	4	32	32	133	53	6

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Ebauche / Roughing / Schruppfräser / Desbaste

Queue Cylindrique / Parallel shank / Zylinderschaft / Mango cilindrico

8 **03636** 1

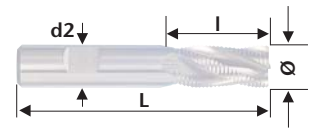
HSS PM
DiN 844 B/K
z = 4-6
30°
TYP HR

Applications
Anwendungen
Aplicaciones



HIGH CUT 03637 p. 76

Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
6	6	57	13	4	11	12	79	22	4	20	20	104	38	4
7	10	66	16	4	12	12	83	26	4	22	20	104	38	4
8	10	69	19	4	14	12	83	26	4	25	25	121	45	4
9	10	69	19	4	16	16	92	32	4	30	25	121	45	6
10	10	72	22	4	18	16	92	32	4	32	32	133	53	6

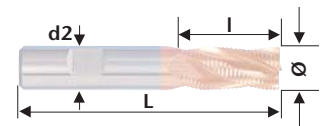
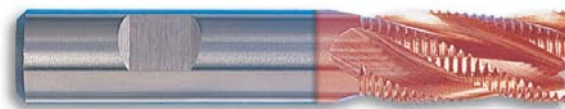
8 **03637** 1

HSS PM
DiN 844 B/K
z = 4-6
30°
TYP HR
HIGH CUT

Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
6	6	57	13	4	11	12	79	22	4	20	20	104	38	4
7	10	66	16	4	12	12	83	26	4	22	20	104	38	4
8	10	69	19	4	14	12	83	26	4	25	25	121	45	4
9	10	69	19	4	16	16	92	32	4	30	25	121	45	6
10	10	72	22	4	18	16	92	32	4	32	32	133	53	6

? OUTILS SPÉCIAUX - SPECIAL TOOLS
 Autre dimension / Revêtement / Application ?
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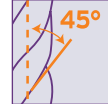
8 **03686** 1

HSS
E8



DiN
844
B/K

z = 3



TYP
VARIO



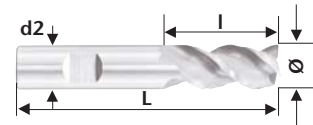
Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 141

new
nouveau

Vario ALU



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
12	12	83	26	3	20	20	104	38	3	32	32	133	53	3
16	16	92	32	3	25	25	121	45	3					

8 **03687** 1

HSS
E8



DiN
844
B/K

z = 4-6



TYP
VARIO



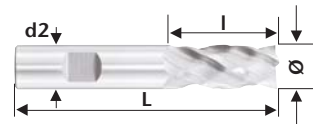
Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 141

new
nouveau

Vario REFRAC



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
12	12	83	26	4	20	20	104	38	4	32	32	133	53	6
16	16	92	32	4	25	25	121	45	4					

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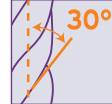
8 **03244** 1

HSS E8



DiN 844 B/L

z = 4-6



TYP NF



Applications
Anwendungen
Aplicaciones

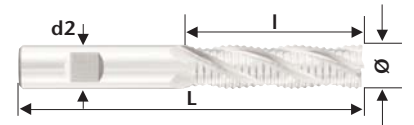


HIGH CUT 03642 p. 78



Vf, Vc, Fz p. 133

Semi finition
Semi finishing end mills
Schaftschruppschlichtfräser
Semi acabado



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	16	16	123	63	4	30	25	166	90	6
10	10	95	45	4	18	16	123	63	4	32	32	186	106	6
12	12	110	53	4	20	20	141	75	4					
14	12	110	53	4	25	25	166	90	4					

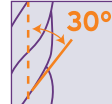
8 **03642** 1

HSS E8



DiN 844 B/L

z = 4-6



TYP NF

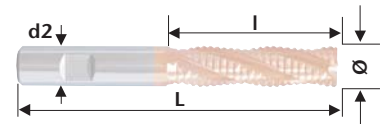
HIGH CUT

Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz p. 133

Semi finition
Semi finishing end mills
Schaftschruppschlichtfräser
Semi acabado



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	16	16	123	63	4	30	25	166	90	6
10	10	95	45	4	18	16	123	63	4	32	32	186	106	6
12	12	110	53	4	20	20	141	75	4					
14	12	110	53	4	25	25	166	90	4					

? OUTILS SPÉCIAUX - SPECIAL TOOLS
Autre dimension / Revêtement / Application ?
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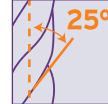
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HSS PM



DiN 844 B/L

z = 4-6

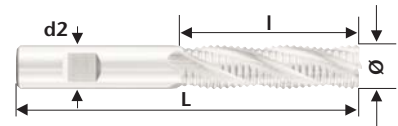


TYP NR

Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	18	16	123	63	4	30	25	166	90	6
10	10	95	45	4	20	20	141	75	4	32	32	186	106	6
12	12	110	53	4	22	20	141	75	4	36	32	186	106	6
14	12	110	53	4	25	25	166	90	4	40	40	217	125	6
16	16	123	63	4	28	25	166	90	6					

8 03384 1

HSS E8



DiN 844 B/L

z = 4-6



TYP NR

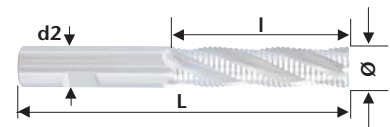
ASYPRO

Applications
Anwendungen
Aplicaciones



HIGH CUT 03657 p. 80

Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	18	16	123	63	4	30	25	166	90	6
10	10	95	45	4	20	20	141	75	4	32	32	186	106	6
12	12	110	53	4	22	20	141	75	4	36	32	186	106	6
14	12	110	53	4	25	25	166	90	4	40	40	217	125	6
16	16	123	63	4	28	25	166	90	6					

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Autre dimension / Revêtement / Application ?
Other dimension / Coating / Application ?
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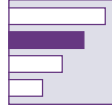


Ebauche / Roughing / Schruppfräser / Desbaste

Queue Cylindrique / Parallel shank / Zylinderschaft / Mango cilindrico

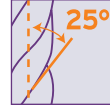
8 **03657** 1

HSS
E8



DiN
844
B/L

z =
4-6



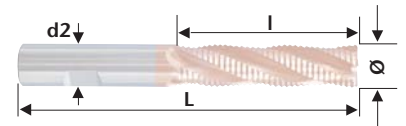
TYP
NR
ASYPRO

HIGH
CUT

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Anwendungen
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Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	16	16	123	63	4	25	25	166	90	4
10	10	95	45	4	18	16	123	63	4	30	25	166	90	6
12	12	110	53	4	20	20	141	75	4	32	32	186	106	6
14	12	110	53	4	22	20	141	75	4					

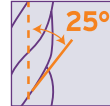
8 **03385** 1

HSS
PM



DiN
844
B/L

z =
4-6

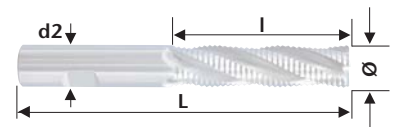


TYP
NR
ASYPRO

Applications
Anwendungen
Aplicaciones



Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	18	16	123	63	4	30	25	166	90	6
10	10	95	45	4	20	20	141	75	4	32	32	186	106	6
12	12	110	53	4	22	20	141	75	4	36	32	186	106	6
14	12	110	53	4	25	25	166	90	4	40	40	217	125	6
16	16	123	63	4	28	25	166	90	6					

? OUTILS SPÉCIAUX - SPECIAL TOOLS
Autre dimension / Revêtement / Application ?
Other dimension / Coating / Application ?
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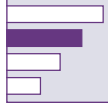


Ebauche / Roughing / Schruppfräser / Desbaste

Queue Cylindrique / Parallel shank / Zylinderschaft / Mango cilindrico

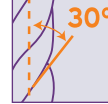
8 **03638** 1

HSS
E8



DiN
844
B/L

z =
4-6



TYP
HR

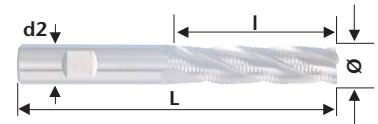


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03639 p.
5817

Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	16	16	123	63	4	25	25	166	90	4
10	10	95	45	4	18	16	123	63	4	30	25	166	90	6
12	12	110	53	4	20	20	141	75	4	32	32	186	106	6
14	12	110	53	4	22	20	141	75	4					

8 **03639** 1

HSS
E8



DiN
844
B/L

z =
4-6



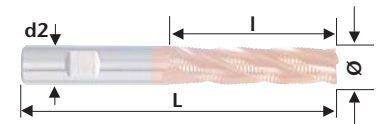
TYP
HR

HIGH
CUT

Applications
Anwendungen
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Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	16	16	123	63	4	25	25	166	90	4
10	10	95	45	4	18	16	123	63	4	30	25	166	90	6
12	12	110	53	4	20	20	141	75	4	32	32	186	106	6
14	12	110	53	4	22	20	141	75	4					

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Ebauche / Roughing / Schruppfräser / Desbaste

Queue Cylindrique / Parallel shank / Zylinderschaft / Mango cilindrico

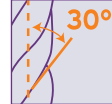
8 **03640** 1

HSS
PM



DiN
844
B/L

z =
4-6



TYP
HR



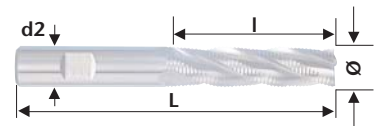
Applications
Anwendungen
Aplicaciones



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Vf, Vc, Fz
p. 133



Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	16	16	123	63	4	30	25	166	90	6
10	10	95	45	4	18	16	123	63	4	32	32	186	106	6
12	12	110	53	4	20	20	141	75	4					
14	12	110	53	4	25	25	166	90	4					

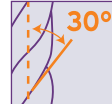
8 **03641** 1

HSS
PM



DiN
844
B/L

z =
4-6



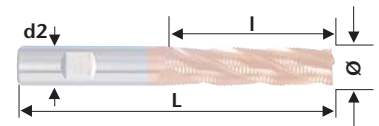
TYP
HR

HIGH CUT

Applications
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Vf, Vc, Fz
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Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z	Ø mm	d2	L	l	Z
8	10	88	38	4	16	16	123	63	4	30	25	166	90	6
10	10	95	45	4	18	16	123	63	4	32	32	186	106	6
12	12	110	53	4	20	20	141	75	4					
14	12	110	53	4	25	25	166	90	4					

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