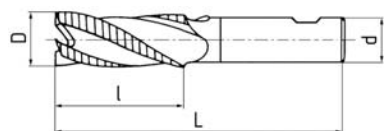
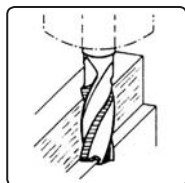




**fn<sup>®</sup>** ZPS - FRÉZOVACÍ NÁSTROJE



Použití - Usage - Applikation - Употребление



1	2	3	4	5	7				11		
---	---	---	---	---	---	--	--	--	----	--	--

HSS  
Co8

D k 12	l	L	d h 6	Z	CODE 104418P	IDENT.
6	13	57	6	3	•	.060
8	19	69	10	3	•	.080
10	22	72	10	3	•	.100
12	26	83	12	3	•	.120
14	26	83	12	3	•	.140
16	32	92	16	3	•	.160
18	32	92	16	3	•	.180
20	38	104	20	3	•	.200



TiN

TiCN

TiAlN

AlTiN

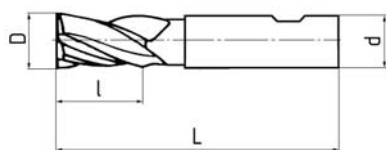
1



12

D k 10	I	L	d h 6	Z	CODE 110418	IDENT.
6	13	57	6	3	●	.060
7	16	66	10	3	●	.070
8	19	69	10	3	●	.080
9	19	69	10	3	●	.090
10	22	72	10	3	●	.100
12	26	83	12	3	●	.120
14	26	83	12	3	●	.140
16	32	92	16	3	●	.160
18	32	92	16	3	●	.180
20	38	104	20	3	●	.200





DIN 1835B

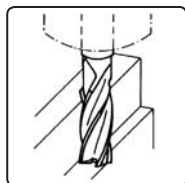
 $\lambda = 40^\circ$  $\gamma = 25^\circ$ 

typ

W



## Použití - Usage - Applikation - Употребление



1

12

HSS  
Co8

D k 10	I	L	d h 6	Z	CODE 111418	IDENT.
6	24	68	6	3	●	.060
7	30	80	10	3	●	.070
8	38	88	10	3	●	.080
9	38	88	10	3	●	.090
10	45	95	10	3	●	.100
12	53	110	12	3	●	.120
14	53	110	12	3	●	.140
16	63	123	16	3	●	.160
18	63	123	16	3	●	.180
20	75	141	20	3	●	.200

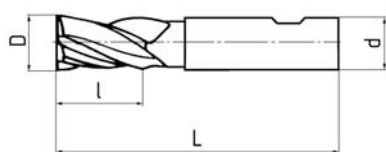


TiN

TiCN

TiAlN

1



λ=30°  
γ=12°

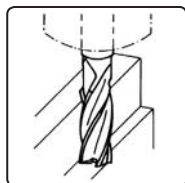
CODE  
120517

λ=30°  
γ=8°

CODE  
120518



Použití - Usage - Applikation - Употребление



HSSE-PM

HSS Co8

1	2	3	4	5	6	7		9	10		12	13
1	2	3	4		6	7		9	10		12	

HSSE  
PM

HSS  
Co8

D k 10	I	L	d h 6	Z	CODE 120517	CODE 120518	IDENT.
3	8	52	6	4		•	.030
4	11	55	6	4		•	.040
5	13	57	6	4		•	.050
6	13	57	6	4	•	•	.060
7	16	66	10	4		•	.070
8	19	69	10	4	•	•	.080
9	19	69	10	4		•	.090
10	22	72	10	4	•	•	.100
11	22	79	12	4		•	.110
12	26	83	12	4	•	•	.120
13	26	83	12	4		•	.130
14	26	83	12	4	•	•	.140
15	26	83	12	4		•	.150
16	32	92	16	4	•	•	.160
18	32	92	16	4	•	•	.180
20	38	104	20	4	•	•	.200
22	38	104	20	5		•	.220
24	45	121	25	5		•	.240
25	45	121	25	5		•	.250
26	45	121	25	5		•	.260
28	45	121	25	5		•	.280
30	45	121	25	5		•	.300
32	53	133	32	6		•	.320



TiN

TiCN

TiAlN

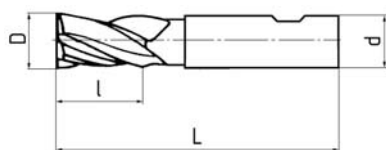
AlTiN

120517 - Dodáváme s AlTiN povlakem - AlTiN coated - Lieferbar mit der Beschichtung AlTiN  
- Поставляем с AlTiN покрытием

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа

120517.060 + AlTiN

120518.060 + TiN



DIN 1835B

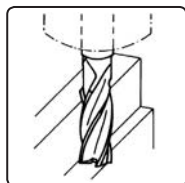


$\lambda = 30^\circ$   
 $\gamma = 8^\circ$

typ  
N



Použití - Usage - Applikation - Употребление



1	2	3	4		7	9	10	12	
---	---	---	---	--	---	---	----	----	--

HSS  
Co8

D k 10	l	L	d h 6	Z	CODE 121218	IDENT.
6	24	68	6	4	•	.060
7	30	80	10	4	•	.070
8	38	88	10	4	•	.080
10	45	95	10	4	•	.100
12	53	110	12	4	•	.120
14	53	110	12	4	•	.140
16	63	123	16	4	•	.160
18	63	123	16	4	•	.180
20	75	141	20	4	•	.200



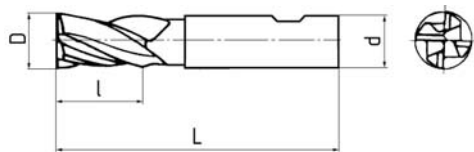
TiN

TiCN

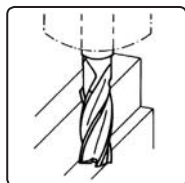
TiAlN

AlTiN

1



Použití - Usage - Applikation - Употребление

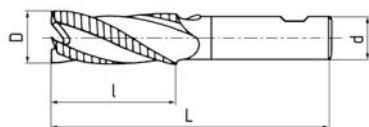


1	2	3	4		7	9	10	12	
---	---	---	---	--	---	---	----	----	--

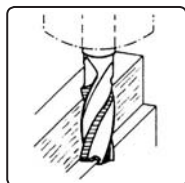
HSS  
Co8

D k 10	l	L	d h 6	Z	CODE 121518	IDENT.
6	24	68	6	4	•	.060
7	30	80	10	4	•	.070
8	38	88	10	4	•	.080
9	38	88	10	4	•	.090
10	45	95	10	4	•	.100
12	53	110	12	4	•	.120
14	53	110	12	4	•	.140
16	63	123	16	4	•	.160
18	63	123	16	4	•	.180
20	75	141	20	4	•	.200
22	75	141	20	5	•	.220
24	90	166	25	5	•	.240
25	90	166	25	5	•	.250
26	90	166	25	5	•	.260
28	90	166	25	5	•	.280
30	90	166	25	5	•	.300
32	106	186	32	6	•	.320





Použití - Usage - Applikation - Употребление



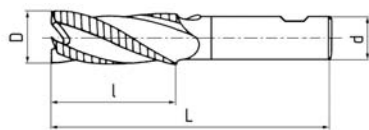
1	2	4		7	9				
---	---	---	--	---	---	--	--	--	--

HSS  
Co8

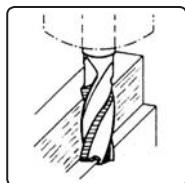
D k 12	l	L	d h 6	Z	CODE 124518	IDENT.
6	13	57	6	4	•	.060
7	16	66	10	4	•	.070
8	19	69	10	4	•	.080
9	19	69	10	4	•	.090
10	22	72	10	4	•	.100
11	22	79	12	4	•	.110
12	26	83	12	4	•	.120
13	26	83	12	4	•	.130
14	26	83	12	4	•	.140
15	26	83	12	4	•	.150
16	32	92	16	4	•	.160
17	32	92	16	4	•	.170
18	32	92	16	4	•	.180
20	38	104	20	4	•	.200
22	38	104	20	5	•	.220
24	45	121	25	5	•	.240
25	45	121	25	5	•	.250
26	45	121	25	5	•	.260
28	45	121	25	5	•	.280
30	45	121	25	5	•	.300
32	53	133	32	6	•	.320







Použití - Usage - Applikation - Употребление

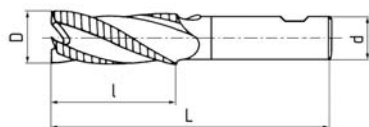


1	2	4	5	7	9	11		
---	---	---	---	---	---	----	--	--

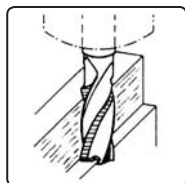
HSS  
 Co8

D k 12	l	L	d h 6	Z	CODE 124518P	IDENT.
6	13	57	6	4	•	.060
7	16	66	10	4	•	.070
8	19	69	10	4	•	.080
9	19	69	10	4	•	.090
10	22	72	10	4	•	.100
11	22	79	12	4	•	.110
12	26	83	12	4	•	.120
13	26	83	12	4	•	.130
14	26	83	12	4	•	.140
15	26	83	12	4	•	.150
16	32	92	16	4	•	.160
17	32	92	16	4	•	.170
18	32	92	16	4	•	.180
20	38	104	20	4	•	.200
22	38	104	20	5	•	.220
24	45	121	25	5	•	.240
25	45	121	25	5	•	.250
26	45	121	25	5	•	.260
28	45	121	25	5	•	.280
30	45	121	25	5	•	.300
32	53	133	32	6	•	.320





Použití - Usage - Applikation - Употребление

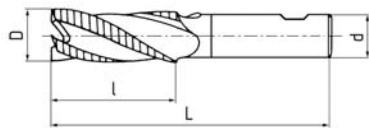


1	2	4		7	9				
---	---	---	--	---	---	--	--	--	--

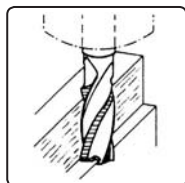
HSS  
Co8

D k 12	l	L	d h 6	Z	CODE 125518	IDENT.
10	45	95	10	4	•	.100
12	53	110	12	4	•	.120
14	53	110	12	4	•	.140
16	63	123	16	4	•	.160
18	63	123	16	4	•	.180
20	75	141	20	4	•	.200
22	75	141	20	5	•	.220
24	90	166	25	5	•	.240
25	90	166	25	5	•	.250
26	90	166	25	5	•	.260
28	90	166	25	5	•	.280
30	90	166	25	5	•	.300
32	106	186	32	6	•	.320





Použití - Usage - Applikation - Употребление

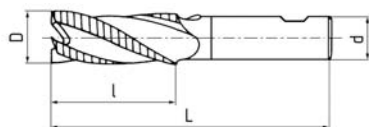


1	2	4	5	7	9	11		
---	---	---	---	---	---	----	--	--

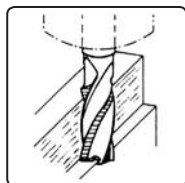
HSS  
Co8

D k 12	l	L	d h 6	Z	CODE 125518P	IDENT.
10	45	95	10	4	•	.100
12	53	110	12	4	•	.120
14	53	110	12	4	•	.140
16	63	123	16	4	•	.160
18	63	123	16	4	•	.180
20	75	141	20	4	•	.200
22	75	141	20	5	•	.220
24	90	166	25	5	•	.240
25	90	166	25	5	•	.250
26	90	166	25	5	•	.260
28	90	166	25	5	•	.280
30	90	166	25	5	•	.300
32	106	186	32	6	•	.320





Použití - Usage - Applikation - Употребление

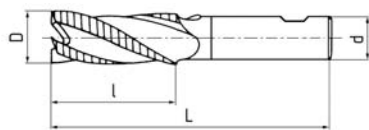


	3	5		8	10		
--	---	---	--	---	----	--	--

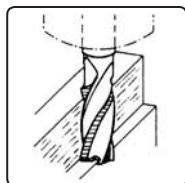
HSS  
Co8

D k 12	l	L	d h 6	Z	CODE 128518	IDENT.
6	13	57	6	4	•	.060
7	16	66	10	4	•	.070
8	19	69	10	4	•	.080
9	19	69	10	4	•	.090
10	22	72	10	4	•	.100
11	22	79	12	4	•	.110
12	26	83	12	4	•	.120
13	26	83	12	4	•	.130
14	26	83	12	4	•	.140
15	26	83	12	4	•	.150
16	32	92	16	4	•	.160
17	32	92	16	4	•	.170
18	32	92	16	4	•	.180
20	38	104	20	4	•	.200
22	38	104	20	5	•	.220
24	45	121	25	5	•	.240
25	45	121	25	5	•	.250
26	45	121	25	5	•	.260
28	45	121	25	5	•	.280
30	45	121	25	5	•	.300
32	53	133	32	6	•	.320





Použití - Usage - Applikation - Употребление



HSSE- PM

HSS Co8

		3	5	6	8	10		13
		3	5	6	8	10		

HSSE  
PM

HSS  
Co8

D k 12	l	L	d h 6	Z	CODE 128517P+AlTiN	CODE 128518P	IDENT.
6	13	57	6	4	•	•	.060
7	16	66	10	4		•	.070
8	19	69	10	4	•	•	.080
9	19	69	10	4		•	.090
10	22	72	10	4	•	•	.100
11	22	79	12	4		•	.110
12	26	83	12	4	•	•	.120
13	26	83	12	4		•	.130
14	26	83	12	4	•	•	.140
15	26	83	12	4		•	.150
16	32	92	16	4	•	•	.160
17	32	92	16	4		•	.170
18	32	92	16	4	•	•	.180
20	38	104	20	4	•	•	.200
22	38	104	20	5		•	.220
24	45	121	25	5		•	.240
25	45	121	25	5		•	.250
26	45	121	25	5		•	.260
28	45	121	25	5		•	.280
30	45	121	25	5		•	.300
32	53	133	32	6		•	.320

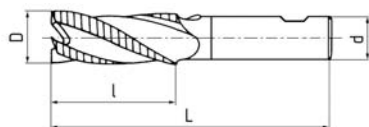


128517P - Dodáváme s AlTiN povlakem - AlTiN coated - Lieferbar mit der Beschichtung AlTiN  
- Поставляем с AlTiN покрытием

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа

128517P.060 + AlTiN

128518P.060 + TiN



DIN 1835B



$\lambda = 30^\circ$

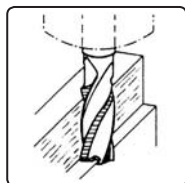
$\gamma = 10^\circ$

typ

HR



Použití - Usage - Applikation - Употребление



		3	5	6	8	10		
--	--	---	---	---	---	----	--	--

HSS  
 Co8

D k 12	l	L	d h 6	Z	CODE 129518	IDENT.
10	45	95	10	4	•	.100
12	53	110	12	4	•	.120
14	53	110	12	4	•	.140
16	63	123	16	4	•	.160
18	63	123	16	4	•	.180
20	75	141	20	4	•	.200
22	75	141	20	5	•	.220
24	90	166	25	5	•	.240
25	90	166	25	5	•	.250
26	90	166	25	5	•	.260
28	90	166	25	5	•	.280
30	90	166	25	5	•	.300
32	106	186	32	6	•	.320

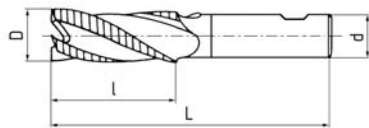


TiN

TiCN

TiAlN

AlTiN



DIN 1835B



$\lambda = 30^\circ$

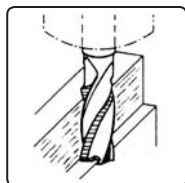
$\gamma = 10^\circ$

typ

HR P



Použití - Usage - Applikation - Употребление



		3	5	6	8	10		
--	--	---	---	---	---	----	--	--

HSS  
Co8

D k 12	l	L	d h 6	Z	CODE 129518P	IDENT.
10	45	95	10	4	•	.100
12	53	110	12	4	•	.120
14	53	110	12	4	•	.140
16	63	123	16	4	•	.160
18	63	123	16	4	•	.180
20	75	141	20	4	•	.200
22	75	141	20	5	•	.220
24	90	166	25	5	•	.240
25	90	166	25	5	•	.250
26	90	166	25	5	•	.260
28	90	166	25	5	•	.280
30	90	166	25	5	•	.300
32	106	186	32	6	•	.320

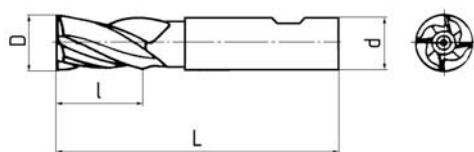


TiN

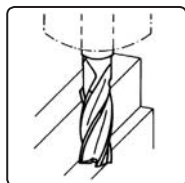
TiCN

TiAlN

AlTiN


$$\lambda = 25^\circ$$
$$\gamma = 12^\circ$$
typ  
H

## Použití - Usage - Applikation - Употребление



HSS  
Co8

D k 10	I	L	d h 6	Z	CODE 130218	IDENT.
10	22	72	10	5	•	.100
12	26	83	12	5	•	.120
16	32	92	16	6	•	.160
20	38	104	20	6	•	.200



TiN

TiCN

TiAlN

ALTiN

1





HSS  
Co8

D k 10	I	L	d h 6	Z	CODE 131218	IDENT.
10	45	95	10	5	●	.100
12	53	110	12	5	●	.120
14	53	110	12	5	●	.140
16	63	123	16	6	●	.160
18	63	123	16	6	●	.180
20	75	141	20	6	●	.200

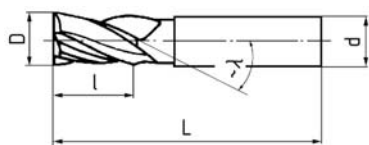


TiN

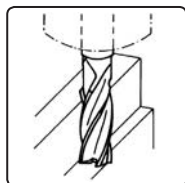
TiCN

TiAlN

ALTiN

 $\gamma = 12$ typ  
N

## Použití - Usage - Applikation - Употребление



HSS Co5

1

2

3

HSS Co8

1

2

3

4



HSS  
Co5

HSS  
Co8

HSS  
Co5

HSS  
Co8

D k 10	I	L	d h 6	Z	~λ	CODE 140205	CODE 140208	CODE 140215	CODE 140218	IDENT.
6	13	57	6	4	40°		●		●	.060
7	16	66	10	4	40°	●	●	●	●	.070
8	19	69	10	4	40°	●	●	●	●	.080
9	19	69	10	4	40°	●	●	●	●	.090
10	22	72	10	4	40°	●	●	●	●	.100
11	22	79	12	4	40°	●	●	●	●	.110
12	26	83	12	4	40°	●	●	●	●	.120
13	26	83	12	4	40°	●	●	●	●	.130
14	26	83	12	4	40°	●	●	●	●	.140
15	26	83	12	4	40°	●	●	●	●	.150
16	32	92	16	4	40°	●	●	●	●	.160
18	32	92	16	4	40°	●	●	●	●	.180
20	38	104	20	4	40°	●	●	●	●	.200
22	38	104	20	5	35°				●	.220
24	45	121	25	5	35°				●	.240
25	45	121	25	5	35°				●	.250
28	45	121	25	5	35°				●	.280
30	45	121	25	6	35°				●	.300
32	53	133	32	6	35°				●	.320
36	53	133	32	6	35°				●	.360
40	63	143	32*	6	35°				●	.400



TiN

TiCN

TiAlN

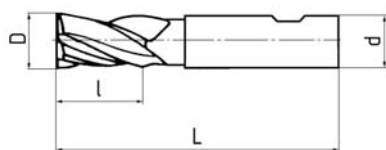
ALTiN

1

\* / ≠ DIN 844

### Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа

**140218.060 + TiN**



DIN 1835B

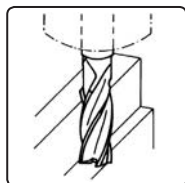


$\lambda = 40^\circ$   
 $\gamma = 12^\circ$

typ  
N



Použití - Usage - Applikation - Употребление



1	2	3	4	5	7			10	11		
---	---	---	---	---	---	--	--	----	----	--	--

HSS  
Co8

D k 10	I	L	d h 6	Z	CODE 140418	IDENT.
4	11	55	6	3	•	.040
5	13	57	6	3	•	.050
6	13	57	6	3	•	.060
7	16	66	10	3	•	.070
8	19	69	10	3	•	.080
9	19	69	10	3	•	.090
10	22	72	10	3	•	.100
11	22	79	12	3	•	.110
12	26	83	12	3	•	.120
13	26	83	12	3	•	.130
14	26	83	12	3	•	.140
15	26	83	12	3	•	.150
16	32	92	16	3	•	.160
18	32	92	16	3	•	.180
20	38	104	20	3	•	.200

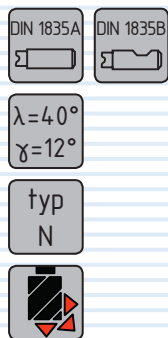
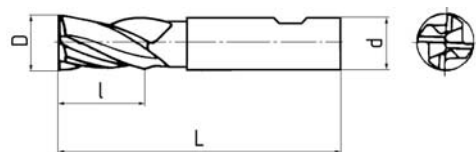


TiN

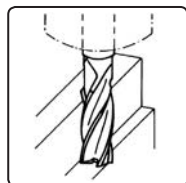
TiCN

TiAlN

AlTiN



Použití - Usage - Applikation - Употребление



D k 10	I	L	d h 6	Z	CODE 140608	CODE 140618	IDENT.
2	7	51	6	3	•	•	.020
2,5	8	52	6	3	•	•	.025
3	8	52	6	4	•	•	.030
3,5	10	54	6	4	•	•	.035
4	11	55	6	4	•	•	.040
4,5	11	55	6	4	•	•	.045
5	13	57	6	4	•	•	.050
6	13	57	6	4		•	.060
7	16	66	10	4		•	.070
8	19	69	10	4		•	.080
9	19	69	10	4		•	.090
10	22	72	10	4		•	.100
11	22	79	12	4		•	.110
12	26	83	12	4		•	.120
13	26	83	12	4		•	.130
14	26	83	12	4		•	.140
15	26	83	12	4		•	.150
16	32	92	16	4		•	.160
18	32	92	16	4		•	.180
20	38	104	20	4		•	.200
22	38	104	20	4		•	.220
24	45	121	25	5		•	.240
25	45	121	25	5		•	.250



1

 $\gamma = 12$ typ  
N

1

2

3

1

2

3

4



HSS  
Co5

HSS  
Co8

HSS  
Co5

HSS  
Co8

☐

TiN

TiCN

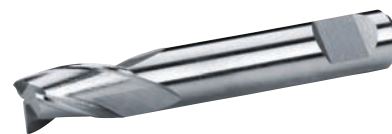
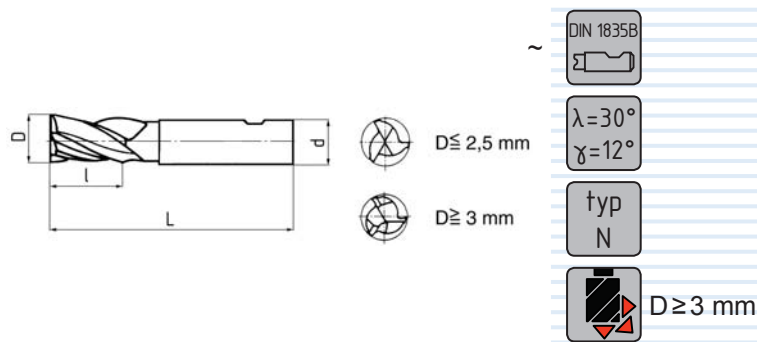
TiAlN

ALTiN

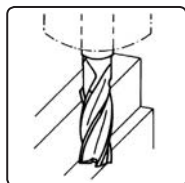
\* /  $\neq$  DIN 844

42

**141218.030 + TiN**



Použití - Usage - Applikation - Употребление

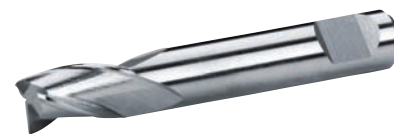
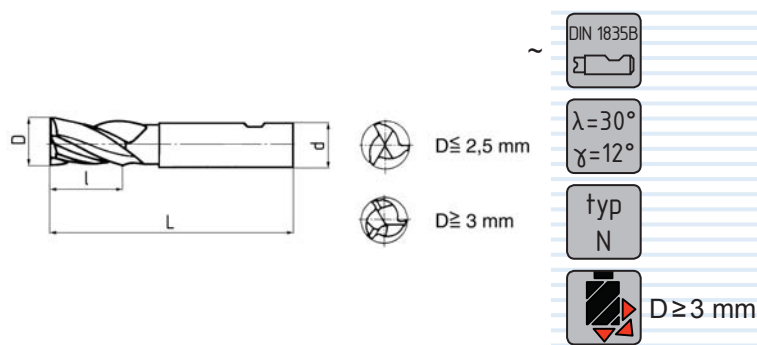


1	2	3	4	5	6	7	8	9			12	
---	---	---	---	---	---	---	---	---	--	--	----	--

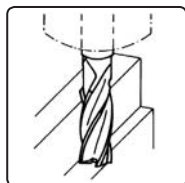
HSS  
Co8

D k 12	I	L	d h 6	Z	CODE 160418	IDENT.
2	4	35	6	3	•	.020
2,5	5	36	6	3	•	.025
3	5	36	6	3	•	.030
3,5	6	37	6	3	•	.035
4	7	38	6	3	•	.040
4,5	7	38	6	3	•	.045
5	8	39	6	3	•	.050
5,5	8	39	6	3	•	.055
6	8	39	6	3	•	.060





Použití - Usage - Applikation - Употребление



HSS  
Co8

D e 8	I	L	d h 6	Z	CODE 161418	IDENT.
1,5	5	36	6	3	•	.015
2	7	38	6	3	•	.020
2,5	8	39	6	3	•	.025
3	8	39	6	3	•	.030
3,5	10	41	6	3	•	.035
4	11	42	6	3	•	.040
4,5	11	42	6	3	•	.045
5	13	44	6	3	•	.050
5,5	13	44	6	3	•	.055
6	13	44	6	3	•	.060
6,5	16	48	8	3	•	.065
7	16	48	8	3	•	.070
7,5	16	48	8	3	•	.075
8	19	51	8	3	•	.080
8,5	19	56	10	3	•	.085
9	19	56	10	3	•	.090
9,5	19	56	10	3	•	.095
10	22	59	10	3	•	.100





CODE	D	Materiál Material Material Материал		TiN	TiCN	TiAlN	AlTiN
104418P.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
110418.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
120517.SET6-20	6, 8, 10, 12, 16, 20	HSSE-PM					•
120518.SET4-12	4, 5, 6, 8, 10, 12	HSS Co8	•	•	•	•	•
120518.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
124518.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
124518P.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
128518.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
128517P.SET6-20	6, 8, 10, 12, 16, 20	HSSE-PM					•
128518P.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
140218.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
140418.SET4-12	4, 5, 6, 8, 10, 12	HSS Co8	•	•	•	•	•
140418.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
140618.SET4-12	4, 5, 6, 8, 10, 12	HSS Co8	•	•	•	•	•
140618.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•

1



[illegible]

D e 8	I	L	d h 6	CODE 210508	IDENT.
2	4	48	6	●	.020
3	5	49	6	●	.030
4	7	51	6	●	.040
5	8	52	6	●	.050
6	8	52	6	●	.060
7	10	60	10	●	.070
8	11	61	10	●	.080
10	13	63	10	●	.100
12	16	73	12	●	.120
14	16	73	12	●	.140
16	19	79	16	●	.160
18	19	79	16	●	.180
20	22	88	20	●	.200
22	22	88	20	●	.220
25	26	96	20*	●	.250
28	26	96	20*	●	.280

☐

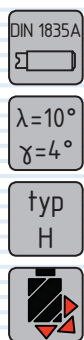
TiN

TiCN

TiAlN

ALTiN

\* /  $\neq$  DIN 327

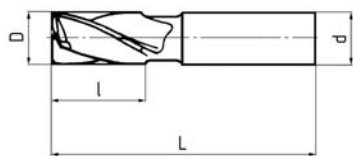


	2	3	4	5	6	7	8	9	10						
--	---	---	---	---	---	---	---	---	----	--	--	--	--	--	--

D e 8	I	L	d h 6	CODE 211508	IDENT.
2	7	51	6	•	.020
3	8	52	6	•	.030
4	11	55	6	•	.040
5	13	57	6	•	.050
6	13	57	6	•	.060
7	16	66	10	•	.070
8	19	69	10	•	.080
10	25	75	10	•	.100
12	28	82	12	•	.120
14	32	90	12	•	.140
16	36	100	16	•	.160
18	40	105	16	•	.180
20	45	115	20	•	.200
22	50	125	20	•	.220
25	56	130	20	•	.250
28	63	140	20	•	.280

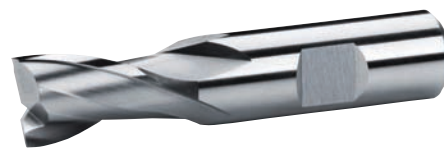


# 2

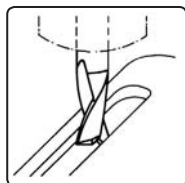


$\lambda = 25^\circ$   
 $\gamma = 12^\circ$

typ  
N



Použití - Usage - Applikation - Употребление



1	2	3	4	5	7	8	9	11	12
---	---	---	---	---	---	---	---	----	----



HSS  
Co8



HSS  
Co8

D e 8	I	L	d h 6	CODE 220408	CODE 220418	IDENT.
2	4	48	6	•	•	.020
2,5	5	49	6	•	•	.025
3	5	49	6	•	•	.030
3,5	6	50	6	•	•	.035
4	7	51	6	•	•	.040
4,5	7	51	6	•	•	.045
5	8	52	6	•	•	.050
5,5	8	52	6	•	•	.055
6	8	52	6	•	•	.060
6,5	10	60	10	•	•	.065
7	10	60	10	•	•	.070
7,5	10	60	10	•	•	.075
8	11	61	10	•	•	.080
8,5	11	61	10	•	•	.085
9	11	61	10	•	•	.090
9,5	11	61	10	•	•	.095
10	13	63	10	•	•	.100
10,5	13	70	12	•	•	.105
11	13	70	12	•	•	.110
11,5	13	70	12	•	•	.115
12	16	73	12	•	•	.120
13	16	73	12	•	•	.130
14	16	73	12	•	•	.140
15	16	73	12	•	•	.150
16	19	79	16	•	•	.160
17	19	79	16	•	•	.170
18	19	79	16	•	•	.180

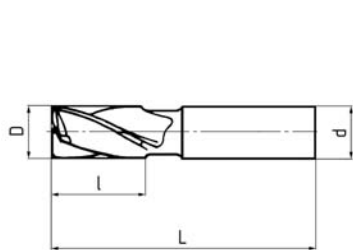


TiN

TiCN

TiAlN

AlTiN

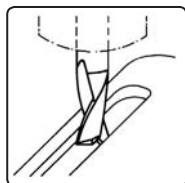


$\lambda = 25^\circ$   
 $\gamma = 12^\circ$

typ  
 N



Použití - Usage - Applikation - Употребление



1	2	3	4	5	7	8	9	11	12
---	---	---	---	---	---	---	---	----	----



HSS  
 Co8



HSS  
 Co8

▼  
 Pokračování - Continuation - Fortsetzung - Продолжение

D e 8	I	L	d h 6	CODE 220408	CODE 220418	IDENT.
19	19	79	16	•	•	.190
20	22	88	20	•	•	.200
22	22	88	20	•	•	.220
24	26	102	25		•	.240
25	26	102	25		•	.250
25	26	96	20*	•	•	.25020
26	26	102	25		•	.260
28	26	102	25		•	.280
28	26	96	20*	•	•	.28020
30	26	102	25		•	.300
32	32	112	32		•	.320
36	32	112	32		•	.360
40	38	118	32*		•	.400



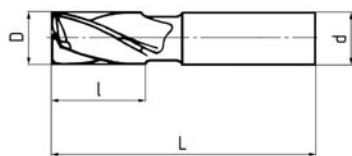
TiN

TiCN

TiAlN

AlTiN

\* / ≠ DIN 327

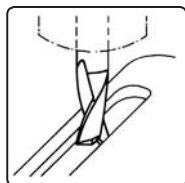


$\lambda = 25^\circ$   
 $\gamma = 12^\circ$

typ  
N



Použití - Usage - Applikation - Употребление



1	2	3	4	5	7	8	9	11	12
---	---	---	---	---	---	---	---	----	----



HSS  
Co8



HSS  
Co8

D e 8	I	L	d h 6	CODE 221408	CODE 221418	IDENT.
4	11	63	6	•	•	.040
5	13	68	6	•	•	.050
6	13	68	6	•	•	.060
7	16	80	10	•	•	.070
8	19	88	10	•	•	.080
9	19	88	10	•	•	.090
10	22	95	10	•	•	.100
11	22	102	12	•	•	.110
12	26	110	12	•	•	.120
13	26	110	12	•	•	.130
14	26	110	12	•	•	.140
15	26	110	12	•	•	.150
16	32	123	16	•	•	.160
18	32	123	16	•	•	.180
20	38	141	20	•	•	.200
22	38	141	20	•	•	.220
24	45	166	25		•	.240
25	45	166	25		•	.250
26	45	166	25		•	.260
28	45	166	25		•	.280
30	45	166	25		•	.300
32	53	186	32		•	.320

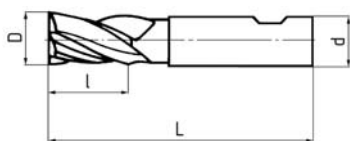


TiN

TiCN

TiAlN

AlTiN



DIN 1835B



$\lambda = 30^\circ$

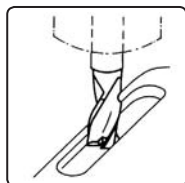
$\gamma = 12^\circ$

typ

N



Použití - Usage - Applikation - Употребление



HSSE-PM

HSS Co8

1	2	3	4	5	6	7	8	9		11	12	13
1	2	3	4		6	7	8	9		11	12	

HSSE  
PM

HSS  
Co8

D e 8	l	L	d h 6	CODE 230417+AlTiN	CODE 230418	IDENT.
3	5	49	6		•	.030
4	7	51	6		•	.040
5	8	52	6		•	.050
6	8	52	6	•	•	.060
7	10	60	10		•	.070
8	11	61	10	•	•	.080
10	13	63	10	•	•	.100
12	16	73	12	•	•	.120
14	16	73	12	•	•	.140
16	19	79	16	•	•	.160
18	19	79	16	•	•	.180
20	22	88	20	•	•	.200



TiN

TiCN

TiAlN

AlTiN

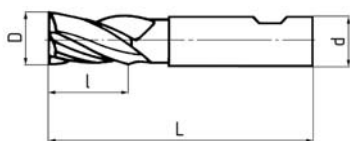
2

230417 - Dodáváme s AlTiN povlakem - AlTiN coated - Lieferbar mit der Beschichtung AlTiN  
- Поставляем с AlTiN покрытием

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа

230417.060 + AlTiN

230418.030 + TiN



DIN 1835B



$\lambda = 30^\circ$

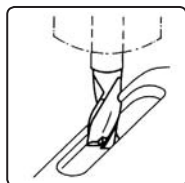
$\gamma = 12^\circ$

typ

N



Použití - Usage - Applikation - Употребление



1	2	3	4		6	7	8	9		11	12	
---	---	---	---	--	---	---	---	---	--	----	----	--

HSS  
Co8

D e 8	l	L	d h 6	CODE 231418	IDENT.
3	8	52	6	•	.030
4	11	55	6	•	.040
5	13	57	6	•	.050
6	13	57	6	•	.060
7	16	66	10	•	.070
8	19	69	10	•	.080
10	22	72	10	•	.100
12	26	83	12	•	.120
14	26	83	12	•	.140
16	32	92	16	•	.160
18	32	92	16	•	.180
20	38	104	20	•	.200



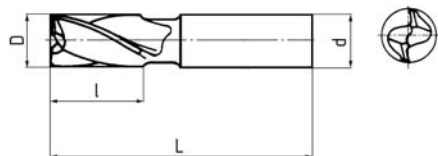
TiN

TiCN

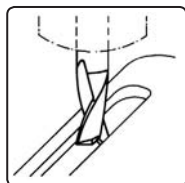
TiAlN

AlTiN

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа



Použití - Usage - Applikation - Употребление



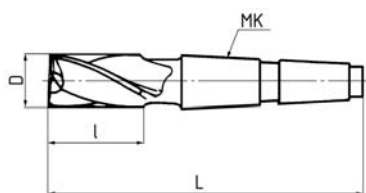
1	2	3	4	5	7				11	12
---	---	---	---	---	---	--	--	--	----	----

HSS  
Co8

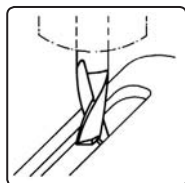
D h 10	l	L	d h 6	CODE 240308	IDENT.
2,8	5	49	6	•	.028
3,8	7	51	6	•	.038
4,8	8	52	6	•	.048
5,75	8	52	6	•	.0575
6,75	10	60	10	•	.0675
7,75	11	61	10	•	.0775
9,7	13	63	10	•	.097
11,7	16	73	12	•	.117
13,7	16	73	12	•	.137
15,7	19	79	16	•	.157
17,7	19	79	16	•	.177
19,7	22	88	20	•	.197
21,7	22	88	20	•	.217
24,7	26	96	20	•	.247
27,7	26	96	20	•	.277







Použití - Usage - Applikation - Употребление



1	2	3	4		7			11	12	
---	---	---	---	--	---	--	--	----	----	--

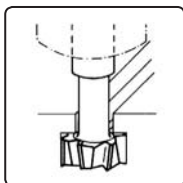
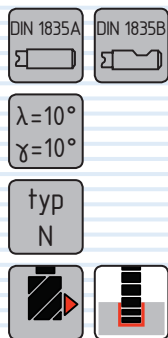
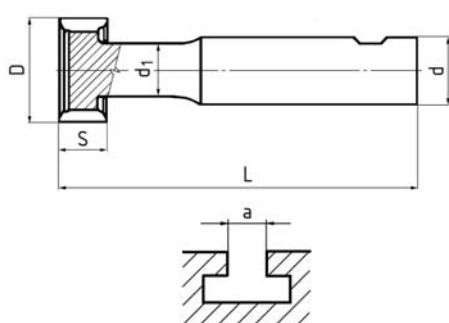
HSS  
Co5

D e 8	I	L	MK	CODE 260545	IDENT.
12	14	85	1	•	.120
14	16	100	2	•	.140
16	18	105	2	•	.160
18	20	110	2	•	.180
20	20	115	2	•	.200
22	22	120	2	•	.220
24	25	140	3	•	.240
25	25	140	3	•	.250
28	28	145	3	•	.280
30	30	150	3	•	.300
32	32	175	4	•	.320
36	34	175	4	•	.360
40	38	180	4	•	.400
45	42	185	4	•	.450
50	45	220	5	•	.500





CODE	D	Materiál Material Material Материал		TiN	TiCN	TiAlN	AlTiN
210508.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
220418.SET4-12	4, 5, 6, 8, 10, 12	HSS Co8	•	•	•	•	•
220418.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
230417.SET6-20	6, 8, 10, 12, 16, 20	HSSE-PM					•
230418.SET4-12	4, 5, 6, 8, 10, 12	HSS Co8	•	•	•	•	•
230418.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
231418.SET4-12	4, 5, 6, 8, 10, 12	HSS Co8	•	•	•	•	•
231418.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•



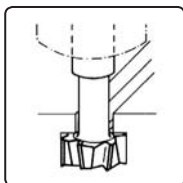
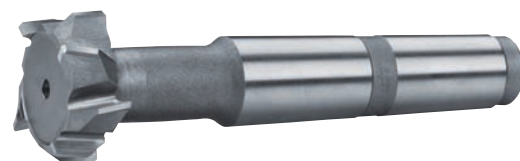
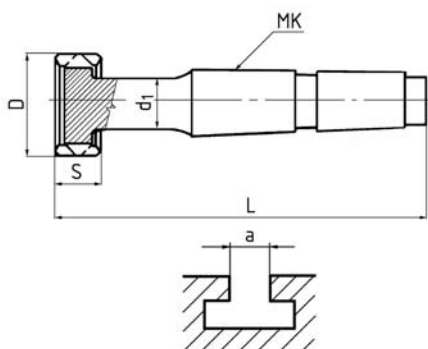
D d 11	S d 11	L	d1 h 12	d h 6	Z	a*	CODE 310205	CODE 310215	IDENT.
11	4	53,5	4	10	6	5	•	•	.110
12,5	6	57	5	10	6	6	•	•	.125
16	8	62	7	10	6	8	•	•	.160
18	8	70	8	12	6	10	•	•	.180
19**	9	71	8	12	6	> 8	•	•	.190
21	9	74	10	12	6	12	•	•	.210
22**	10	75	10	12	6	> 10	•	•	.220
25	11	82	12	16	8	14	•	•	.250
28**	12	85	13	16	8	> 13	•	•	.280
32	14	90	15	16	8	18	•	•	.320
36**	16	103	17	25	8	> 17	•	•	.360
40	18	108	19	25	10	22	•	•	.400
45**	20	113	21	25	10	> 21	•	•	.450
50	22	124	25	32	10	28	•	•	.500
60	28	139	30	32	10	36	•	•	.600



\*/ DIN 650, ISO 299, ČSN 02 1030

\*\*/ ≠ DIN 851

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа

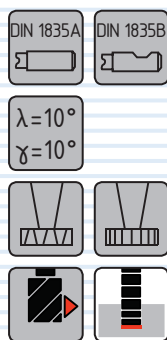
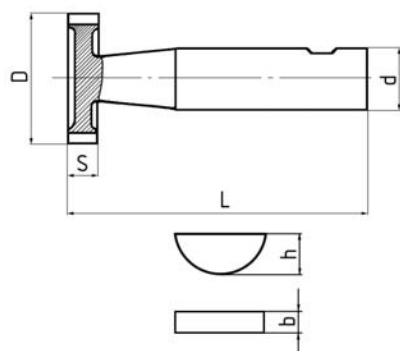


HSS

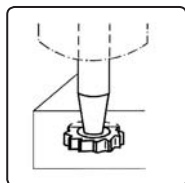
D h 12	S h 12	L	d1	MK	Z	a*	CODE 310340	IDENT.
32	14	111	16	2	8	18	•	.320
40	18	138	20	3	8	22	•	.400
50	22	173	25	4	8	28	•	.500
60	28	188	31	4	10	36	•	.600
72	35	229	36	5	10	42	•	.720



\*/ DIN 650, ISO 299, ČSN 02 1030

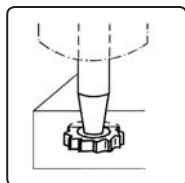
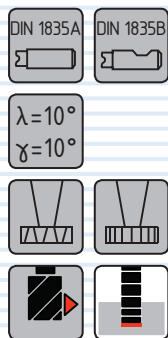
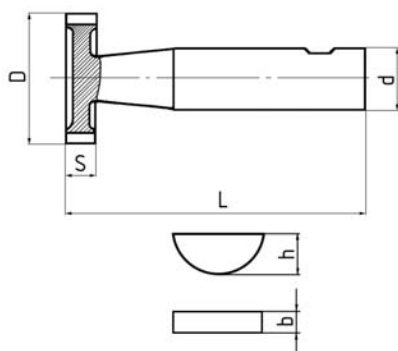


D ≤ 7,5



D h 12	S e 8	L	d h 6	Z	bxh DIN 6888	CODE 320005	CODE 320015	IDENT.
4,5	1	50	6	6	1x1,4	•	•	.045010
7,5	1,5	50	6	6	1,5x2,6	•	•	.075015
7,5	2	50	6	6	2x2,6	•	•	.075020
10,5	2	50	6	6	2x3,7	•	•	.105020
10,5	2,5	50	6	6	2,5x3,7	•	•	.105025
10,5	3	50	6	6	3x3,7	•	•	.105030
13,5*	2	56	10	6	-	•	•	.135020
13,5	3	56	10	6	3x5	•	•	.135030
13,5	4	56	10	6	4x5	•	•	.135040
16,5	3	56	10	6	3x6,5	•	•	.165030
16,5	4	56	10	6	4x6,5	•	•	.165040
16,5	5	56	10	6	5x6,5	•	•	.165050
19,5*	3	63	10	8	-	•	•	.195030
19,5	4	63	10	8	4x7,5	•	•	.195040
19,5	5	63	10	8	5x7,5	•	•	.195050
19,5	6	63	10	8	6x7,5	•	•	.195060
22,5*	4	63	10	8	-	•	•	.225040
22,5	5	63	10	8	5x9	•	•	.225050
22,5	6	63	10	8	6x9	•	•	.225060
22,5	8	63	10	8	8x9	•	•	.225080
25,5*	5	63	10	10	-	•	•	.255050
25,5	6	63	10	10	6x10	•	•	.255060
28,5	6	63	10	10	6x11	•	•	.285060
28,5	8	63	10	10	8x11	•	•	.285080
28,5	10	71	12	10	10x11	•	•	.285100
32,5*	6	71	12	10	-	•	•	.325060
32,5*	7	71	12	10	-	•	•	.325070





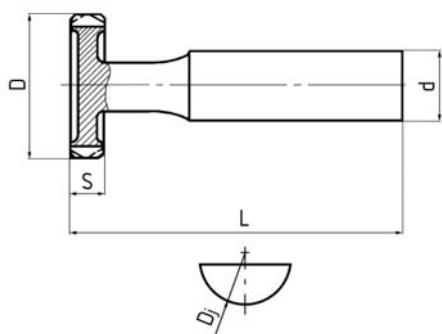
▼  
Pokračování - Continuation - Fortsetzung - Продолжении



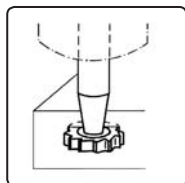
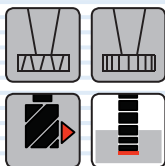
D h 12	S e 8	L	d h 6	Z	bxh DIN 6888	CODE 320005	CODE 320015	IDENT.
32,5	8	71	12	10	8x13	•	•	.325080
32,5	10	71	12	10	10x13	•	•	.325100
38,5*	8	71	12	10	-	•	•	.385080
45,5*	8	71	12	12	-	•	•	.455080
45,5	10	71	12	12	10x16	•	•	.455100



\* / ≠ DIN 850



$\lambda=10^\circ$   
 $\gamma=10^\circ$



HSS

HSS

Dj*	D <sub>h 11</sub>	S <sub>e 8</sub>	L	d <sub>h 8</sub>	Z	CODE 320100	CODE 320100	IDENT.
7	7,5	1,5	48	6	8		•	.070015
7	7,5	2	48	6	8		•	.070020
10	10,8	1	45	8	8		•	.100010
10	10,8	1,6	45	8	8		•	.100016
10	10,8	2,5	45	8	8		•	.100025
10	10,8	3	45	8	8		•	.100030
13	14	3	45	8	8		•	.130030
13	14	4	50	10	8	•		.130040
16	17,2	1,6	50	10	8		•	.160016
16	17,2	2	50	10	8		•	.160020
16	17,2	3	50	10	8		•	.160030
16	17,2	4	50	10	8	•		.160040
16	17,2	5	60	12	8	•		.160050
19	20,5	4	50	10	8	•		.190040
19	20,5	5	60	12	8	•		.190050
22	23,7	5	60	12	8	•		.220050
22	23,7	6	60	12	8	•		.220060
25	27	2	60	12	10		•	.250020
25	27	3	60	12	10		•	.250030
25	27	6	60	12	10	•		.250060
28	30,2	6	60	12	10	•		.280060
28	30,2	8	70	16	10	•		.280080
32	34,5	6	70	16	10	•		.320060
32	34,5	8	70	16	10	•		.320080
38	41	8	70	16	10	•		.380080
45	48,6	8	70	16	10	•		.450080
45	48,6	10	70	16	10	•		.450100



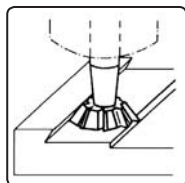
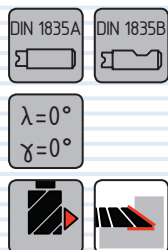
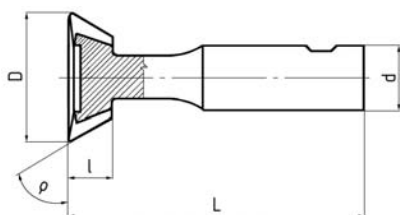
TiN

TiCN

TiAlN

\*/ ČSN 30 1385

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа



ρ ±30'	D js 16	l js 14	L	d h 6	Z	CODE 330205	CODE 330215	IDENT.
45°	16	4	60	12	10	•	•	.045160
45°	20	5	63	12	10	•	•	.045200
45°	25	6,3	67	12	10	•	•	.045250
45°	32	8	71	16	12		•	.045320
50°	16	5	60	12	10	•	•	.050160
50°	20	6,3	63	12	10	•	•	.050200
50°	25	8	67	12	10	•	•	.050250
55°	16	5,6	60	12	10	•	•	.055160
55°	20	7,1	63	12	10	•	•	.055200
55°	25	9	67	12	10	•	•	.055250
60°	16	6,3	60	12	10	•	•	.060160
60°	20	8	63	12	10	•	•	.060200
60°	25	10	67	12	10	•	•	.060250
60°	32	12,5	71	16	12		•	.060320
*65°	16	6,3	60	12	10		•	.065160
*65°	25	10	67	12	12		•	.065250
*70°	16	7	60	12	10	•	•	.070160
*70°	20	9	63	12	10	•	•	.070200
*70°	25	11	67	16	10	•	•	.070250
*75°	16	8	60	12	10		•	.075160
*75°	25	10	67	12	12		•	.075250
*80°	16	8	60	12	10		•	.080160
*80°	25	10	67	12	12		•	.080250
*85°	16	8	60	12	10		•	.085160
*85°	25	10	67	12	12		•	.085250

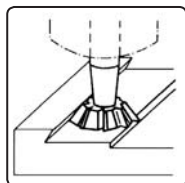
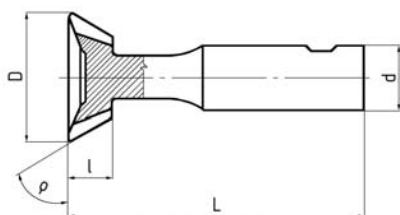


\* / ≠ DIN 1833

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа

330215.045160 + TiN

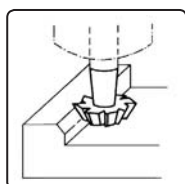
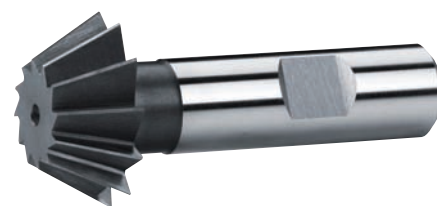
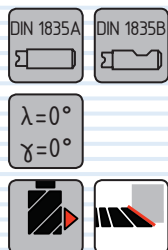
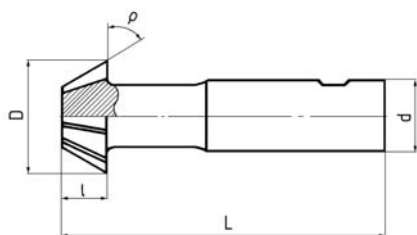




HSS  
Co5

ρ -10°	D js 16	l js 16	L	d h 6	Z	CODE 340915	IDENT.
55°	16	6	58	10	10	•	.016
55°	20	8	58	10	10	•	.020
55°	25	10	66	12	12	•	.025
55°	32	12	75	16	14	•	.032
55°	40	15	85	16	14	•	.040
55°	50	18	95	20	16	•	.050

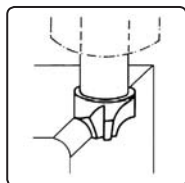
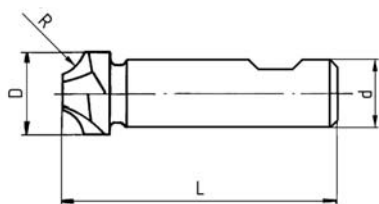




ρ ±30'	D js 16	l js 14	L	d h 6	Z	CODE 350005	CODE 350015	IDENT.
45°	16	4	60	12	10	•	•	.045160
45°	20	5	63	12	10	•	•	.045200
45°	25	6,3	67	12	10	•	•	.045250
45°	32	8	71	16	12		•	.045320
50°	16	5	60	12	12		•	.050160
50°	20	6,3	63	12	12		•	.050200
50°	25	8	67	12	12		•	.050250
55°	16	5,6	60	12	10		•	.055160
55°	20	7,1	63	12	10		•	.055200
55°	25	9	67	12	12		•	.055250
60°	16	6,3	60	12	10	•	•	.060160
60°	20	8	63	12	10	•	•	.060200
60°	25	10	67	12	10	•	•	.060250
60°	32	12,5	71	16	12		•	.060320
*65°	16	6,3	60	12	10		•	.065160
*65°	25	10	67	12	12		•	.065250
*70°	16	7	60	12	10	•	•	.070160
*70°	20	9	63	12	10	•	•	.070200
*70°	25	11	67	16	10	•	•	.070250
*75°	16	8	60	12	10		•	.075160
*75°	25	10	67	12	12		•	.075250



\* / ≠ DIN 1833

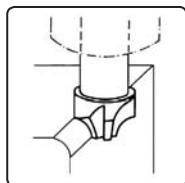
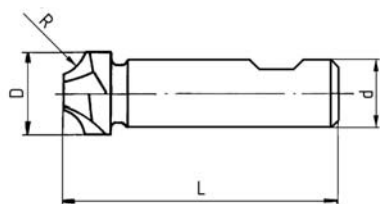


HSS  
Co8

R H 11	D js 16	L	d h 6	Z	CODE 360018	IDENT.
1	8	60	10	4	•	.010
1,5	10	60	10	4	•	.015
1,6	10	60	10	4	•	.016
2	10	60	10	4	•	.020
2,5	10	60	10	4	•	.025
3	12	60	12	4	•	.030
3,5	14	60	12	4	•	.035
4	14	60	12	4	•	.040
4,5	16	60	16	4	•	.045
5	16	60	16	4	•	.050
5,5	21	67	16	4	•	.055
6	21	67	16	4	•	.060
6,5	24	71	16	4	•	.065
7	24	71	16	4	•	.070
7,5	24	71	16	4	•	.075
8	24	71	16	4	•	.080
8,5	28	85	25	4	•	.085
9	28	85	25	4	•	.090
9,5	28	85	25	4	•	.095
10	28	85	25	4	•	.100
10,5	35	90	25	4	•	.105
11	35	90	25	4	•	.110
12	35	90	25	4	•	.120
12,5	42	100	25	6	•	.125
13	42	100	25	6	•	.130
14	42	100	25	6	•	.140
15	48	100	25	6	•	.150



Pokračování - Continuation - Fortsetzung - Продолжению

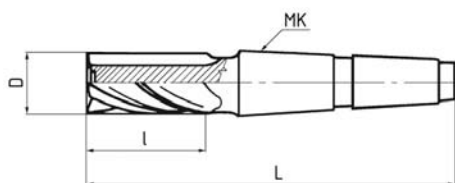


Pokračování - Continuation - Fortsetzung - Продолжение

HSS  
Co8

R H 11	D js 16	L	d h 6	Z	CODE 360018	IDENT.
16	48	100	25	6	•	.160
18	54	112	32	6	•	.180
20	58	112	32	6	•	.200





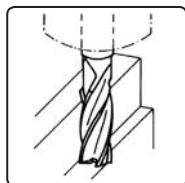
CODE  
410245



CODE  
410940



Použití - Usage - Applikation - Употребление



410245

1	2	4			7			11	12
---	---	---	--	--	---	--	--	----	----

410940

1	2				7			11	12
---	---	--	--	--	---	--	--	----	----



HSS  
Co5



HSS

D k 10**	I	L	MK	Z	CODE 410245	CODE 410940*	IDENT.
10	22	92	1	3	•		.100
12	26	111	2	3	•		.120
16	32	117	2	3	•		.160
20	38	123	2	3	•		.200
22	38	123	2	3	•		.220
25	45	147	3	4	•		.250
25	50	154	3	4		•	.250
28	45	147	3	4	•		.280
28	50	154	3	4		•	.280
30	45	147	3	4	•		.300
30	50	154	3	4		•	.300
32	53	178	4	4	•	•	.320
36	53	178	4	4	•	•	.360
40	63	188	4	4	•	•	.400
45	63	188	4	4	•	•	.450
50	70	228	5	5		•	.500
50	75	233	5	5	•		.500
63	80	241	5	6		•	.630
63	90	248	5	6	•		.630



TiN

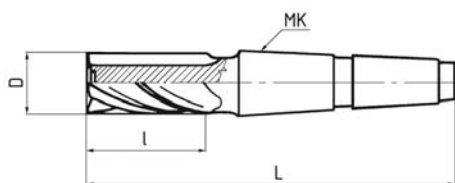
TiCN

TiAlN

\*/ ≠ DIN 845

\*\*/ 410940 - js 14

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа



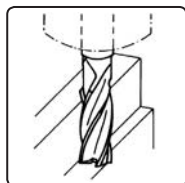
CODE  
411245



CODE  
411940



Použití - Usage - Applikation - Употребление



411245

1	2	4			7			11	12
---	---	---	--	--	---	--	--	----	----

411940

1	2				7			11	12
---	---	--	--	--	---	--	--	----	----



HSS  
Co5



HSS

D k 10**	I	L	MK	Z	CODE 411245	CODE 411940*	IDENT.
25	80	184	3	4		•	.250
25	90	192	3	4	•		.250
32	100	229	4	4		•	.320
32	106	231	4	4	•		.320
40	125	250	4	4	•	•	.400
50	150	308	5	5	•	•	.500
63	180	338	5	6	•	•	.630



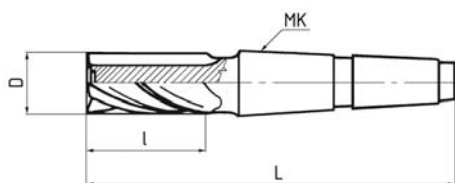
TiN

TiCN

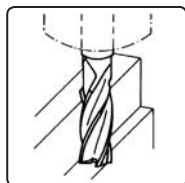
TiAlN

\* / ≠ DIN 845

\*\* / 411940 - js 14



Použití - Usage - Applikation - Употребление



420245



420940



HSS  
Co5



HSS

D k 10**	I	L	MK	Z	CODE 420245	CODE 420940*	IDENT.
10	22	92	1	4	•		.100
12	26	111	2	4	•		.120
14	26	111	2	4	•		.140
16	32	117	2	4	•		.160
18	32	117	2	4	•		.180
20	38	123	2	4	•	•	.200
22	38	123	2	5	•	•	.220
25	45	147	3	5	•		.250
25	50	154	3	5		•	.250
28	45	147	3	5	•		.280
28	50	154	3	5		•	.280
30	45	147	3	6	•		.300
30	50	154	3	6		•	.300
32	53	178	4	6	•	•	.320
36	53	178	4	6	•	•	.360
40	63	188	4	6	•	•	.400
45	63	188	4	6	•	•	.450
50	70	228	5	6		•	.500
50	75	233	5	6	•		.500
56	75	233	5	8	•		.560
63	80	241	5	8		•	.630
63	90	248	5	8	•		.630



TiN

TiCN

TiAlN

\*/ ≠ DIN 845

\*\*/ 420940 - js 14

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа



	2	3	4	5	6		8	9	10			
--	---	---	---	---	---	--	---	---	----	--	--	--

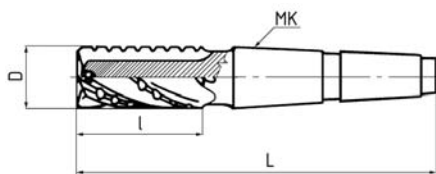
1	2		4			7						
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TiAlN

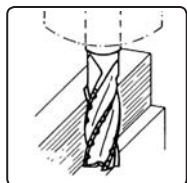
\*\*/ 421940 - js 14

69





Použití - Usage - Applikation - Употребление



422245

2	3	4	5	6	8	9	10				
---	---	---	---	---	---	---	----	--	--	--	--

422940

1	2	4	7								
---	---	---	---	--	--	--	--	--	--	--	--



HSS  
Co5



HSS

D k 10**	I	L	MK	Z	CODE 422245	CODE 422940*	IDENT.
10	22	92	1	4	•		.100
12	26	111	2	4	•		.120
14	26	111	2	4	•		.140
16	32	117	2	4	•		.160
18	32	117	2	4	•		.180
20	38	123	2	4	•	•	.200
22	38	123	2	5	•	•	.220
25	45	147	3	5	•		.250
25	50	154	3	5		•	.250
28	45	147	3	5	•		.280
28	50	154	3	5		•	.280
30	45	147	3	6	•		.300
30	50	154	3	6		•	.300
32	53	178	4	6	•	•	.320
36	53	178	4	6	•	•	.360
40	63	188	4	6	•	•	.400
45	63	188	4	6	•	•	.450
50	70	228	5	6		•	.500
50	75	233	5	6	•		.500
56	75	233	5	8	•		.560
63	80	241	5	8		•	.630
63	90	248	5	8	•		.630



TiN

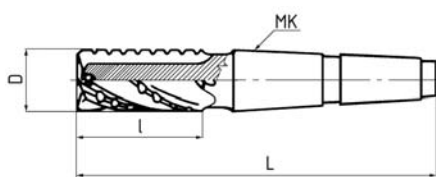
TiCN

TiAlN

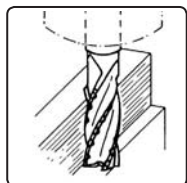
\* / ≠ DIN 845

\*\* / 422940 - js 14

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа



Použití - Usage - Applikation - Употребление



423245

2	3	4	5	6	8	9	10				
---	---	---	---	---	---	---	----	--	--	--	--

423940

1	2	4	7								
---	---	---	---	--	--	--	--	--	--	--	--



HSS  
Co5



HSS

D k 10**	I	L	MK	Z	CODE 423245	CODE 423940*	IDENT.
10	45	115	1	4	•		.100
12	53	138	2	4	•		.120
14	53	138	2	4	•		.140
16	63	148	2	4	•		.160
18	63	148	2	4	•		.180
20	75	160	2	4	•		.200
22	75	160	2	5	•	•	.220
25	80	184	3	5		•	.250
25	90	192	3	5	•		.250
28	90	192	3	5	•		.280
32	100	229	4	6		•	.320
32	106	231	4	6	•		.320
36	106	231	4	6	•		.360
40	125	250	4	6	•	•	.400
45	125	250	4	6	•		.450
50	110	268	5	6		•	.500110
50	150	308	5	6	•	•	.500
56	150	308	5	8	•		.560
63	180	338	5	8	•	•	.630



TiN

TiCN

TiAlN

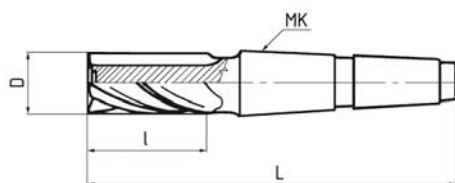
4

\*/ ≠ DIN 845

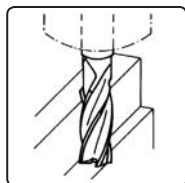
\*\*/ 423940 - js 14

Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа

423245.100 + TiN



Použití - Usage - Applikation - Употребление

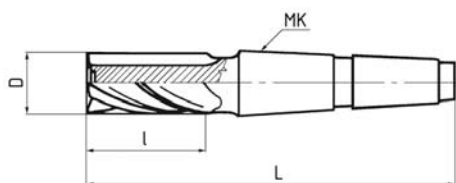


2	3	4	5			8	9	10				
---	---	---	---	--	--	---	---	----	--	--	--	--

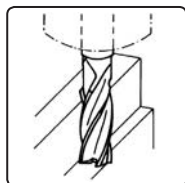
HSS

D js 14	I	L	MK	Z	CODE 430940	IDENT.
10	22	90	1	5	•	.100
12	26	111	2	5	•	.120
14	26	111	2	5	•	.140
16	32	117	2	6	•	.160
18	36	120	2	6	•	.180
20	38	123	2	6	•	.200
22	38	123	2	6	•	.220
25	50	154	3	6	•	.250
28	50	154	3	7	•	.280
30	50	154	3	7	•	.300
32	53	178	4	7	•	.320
36	53	178	4	8	•	.360
40	63	188	4	8	•	.400
45	63	188	4	8	•	.450
50	70	228	5	10	•	.500
63	80	241	5	12	•	.630





Použití - Usage - Applikation - Употребление



2	3	4	5			8	9	10			
---	---	---	---	--	--	---	---	----	--	--	--

HSS

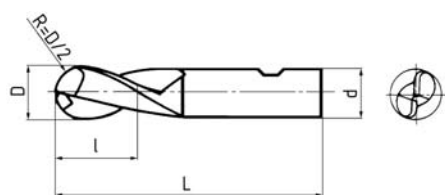
D js 14	I	L	MK	Z	CODE 431940	IDENT.
25	80	184	3	6	•	.250
32	100	229	4	7	•	.320
40	125	250	4	8	•	.400
50	110	268	5	10	•	.500110
50	150	308	5	10	•	.500
63	180	338	5	12	•	.630



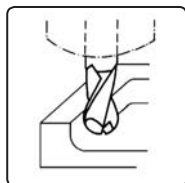


1	2		4			7	8					
---	---	--	---	--	--	---	---	--	--	--	--	--

ALTiM



Použití - Usage - Applikation - Употребление



HSSE-PM

HSS Co8

1	2	3	4	5	6	7	8	9	10	11		
1	2		4			7	8			11		

HSSE  
PM

HSS  
Co8

D h 10	l	L	d h 6	CODE 510417+AlTiN	CODE 510418	IDENT.
4	7	51	6		•	.040
5	8	52	6		•	.050
6	8	52	6	•	•	.060
7	10	60	10		•	.070
8	11	61	10	•	•	.080
9	11	61	10		•	.090
10	13	63	10	•	•	.100
11	13	70	12		•	.110
12	16	73	12	•	•	.120
13	16	73	12		•	.130
14	16	73	12	•	•	.140
15	16	73	12		•	.150
16	19	79	16	•	•	.160
18	19	79	16	•	•	.180
20	22	88	20	•	•	.200
22	22	88	20		•	.220
24	26	102	25		•	.240
25	26	102	25		•	.250
28	26	102	25		•	.280
30	26	102	25		•	.300
32	32	112	32		•	.320



TiN

TiCN

TiAlN

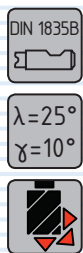
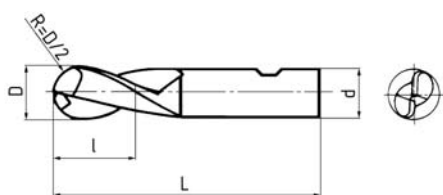
AlTiN

510417 - Dodávame s AlTiN povlakem - AlTiN coated - Lieferbar mit der Beschichtung AlTiN  
- Поставляем с AlTiN покрытием

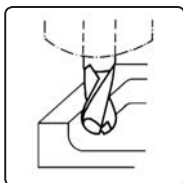
Příklad objednávky - Example of order - Bestellsbeispiel - Пример заказа

510417.060 + AlTiN

510418.040 + TiN



Použití - Usage - Applikation - Употребление

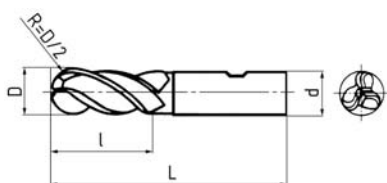


1	2	4		7	8		11		
---	---	---	--	---	---	--	----	--	--

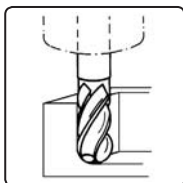
HSS  
Co8

D h 10	l	L	d h 6	CODE 511418	IDENT.
4	11	63	6	•	.040
5	13	68	6	•	.050
6	13	68	6	•	.060
7	16	80	10	•	.070
8	19	88	10	•	.080
9	19	88	10	•	.090
10	22	95	10	•	.100
11	22	102	12	•	.110
12	26	110	12	•	.120
13	26	110	12	•	.130
14	26	110	12	•	.140
15	26	110	12	•	.150
16	32	123	16	•	.160
18	32	123	16	•	.180
20	38	141	20	•	.200
22	38	141	20	•	.220
24	45	166	25	•	.240
25	45	166	25	•	.250
28	45	166	25	•	.280
30	45	166	25	•	.300
32	53	186	32	•	.320





Použití - Usage - Applikation - Употребление



1	2	3	4			7	8			11		
---	---	---	---	--	--	---	---	--	--	----	--	--

HSS  
Co8

D k 12	l	L	d h 6	CODE 520418	IDENT.
6	13	57	6	•	.060
8	19	69	10	•	.080
10	22	72	10	•	.100
12	26	83	12	•	.120
16	32	92	16	•	.160
20	38	104	20	•	.200



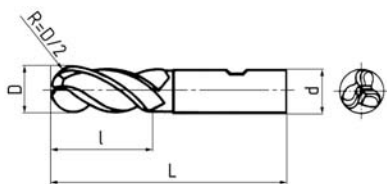
TiN

TiCN

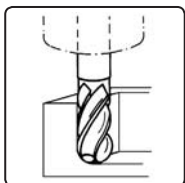
TiAlN

AlTiN





Použití - Usage - Applikation - Употребление



1	2	3	4			7	8			11		
---	---	---	---	--	--	---	---	--	--	----	--	--

HSS  
Co8

D k 12	l	L	d h 6	CODE 521418	IDENT.
12	53	110	12	•	.120
16	63	123	16	•	.160
20	75	141	20	•	.200

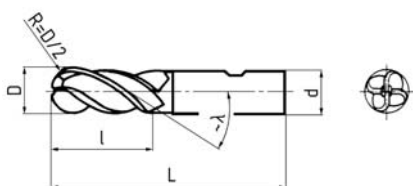


TiN

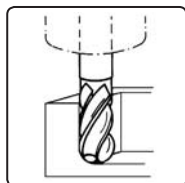
TiCN

TiAlN

AlTiN



Použití - Usage - Applikation - Употребление

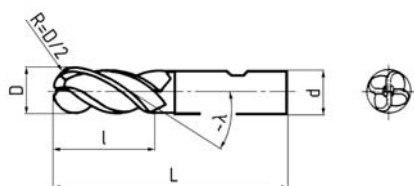


1	2	3	4	5	6	7	8	9	10	11		
---	---	---	---	---	---	---	---	---	----	----	--	--

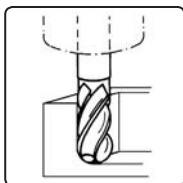
HSS  
Co8

D k 12	I	L	d h 6	Z	~λ	CODE 530718	IDENT.
4	11	55	6	4	15°	•	.040
5	13	57	6	4	15°	•	.050
6	13	57	6	4	25°	•	.060
8	19	69	10	4	25°	•	.080
10	22	72	10	4	35°	•	.100
12	26	83	12	4	35°	•	.120
16	32	92	16	4	35°	•	.160
20	38	104	20	4	35°	•	.200





Použití - Usage - Applikation - Употребление

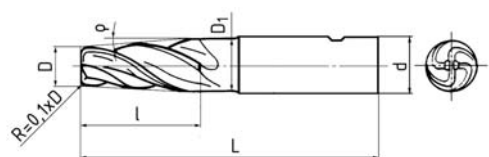


1	2	3	4	5	6	7	8	9	10	11		
---	---	---	---	---	---	---	---	---	----	----	--	--

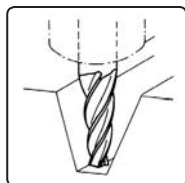
HSS  
Co8

D k 12	I	L	d h 6	Z	~λ	CODE 531718	IDENT.
4	19	63	6	4	15°	•	.040
5	24	68	6	4	15°	•	.050
6	24	68	6	4	25°	•	.060
8	38	88	10	4	25°	•	.080
10	45	95	10	4	35°	•	.100
12	53	110	12	4	35°	•	.120
16	63	123	16	4	35°	•	.160
20	75	141	20	4	35°	•	.200





Použití - Usage - Applikation - Употребление



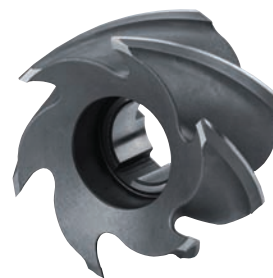
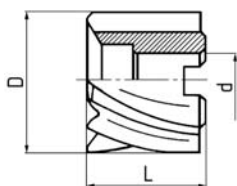
HSS  
Co8

ρ	D js 14	D <sub>1</sub> ~	I	L	d h 6	CODE 580718	IDENT.
1°	5	5,7	20	73	10	•	.0105
1°	8	9,1	32	95	12	•	.0108
1°	12	13,7	50	118	16	•	.0112
1°	20	22,8	80	155	20	•	.0120
2°	5	6,4	20	74	10	•	.0205
2°	8	10,2	32	95	12	•	.0208
2°	12	15,5	50	118	16	•	.0212
2°	20	25,6	80	160	25	•	.0220
3°	5	7,1	20	74	10	•	.0305
3°	8	11,4	32	95	12	•	.0308
3°	12	17,2	50	120	20	•	.0312
3°	20	28,4	80	160	25	•	.0320
5°	5	8,5	20	74	10	•	.0505
5°	8	13,6	32	98	16	•	.0508
5°	12	20,7	50	120	20	•	.0512
5°	20	34	80	165	32	•	.0520
7°	5	9,9	20	80	12	•	.0705
7°	8	15,9	32	98	16	•	.0708
7°	12	24,3	50	130	25	•	.0712
7°	20	39,6	80	165	32	•	.0720
10°	5	12,1	20	80	12	•	.1005
10°	8	19,3	32	100	20	•	.1008
10°	12	29,6	50	130	25	•	.1012
10°	20	48,2	80	165	32	•	.1020

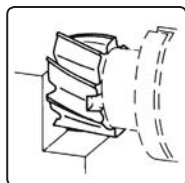




CODE	D	Materiál Material Material Материал		TiN	TiCN	TiAlN	AlTiN
510417.SET6-20	6, 8, 10, 12, 16, 20	HSSE-PM					•
510418.SET4-12	4, 5, 6, 8, 10, 12	HSS Co8	•	•	•	•	•
510418.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
520418.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•
530718.SET4-12	4, 5, 6, 8, 10, 12	HSS Co8	•	•	•	•	•
530718.SET6-20	6, 8, 10, 12, 16, 20	HSS Co8	•	•	•	•	•



Použití - Usage - Applikation - Употребление

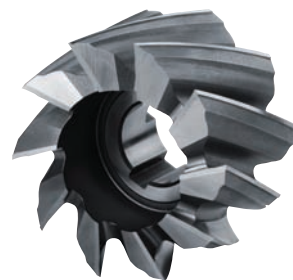
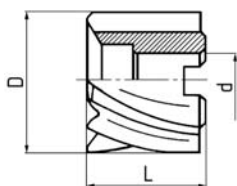


1						7					11	12	
---	--	--	--	--	--	---	--	--	--	--	----	----	--

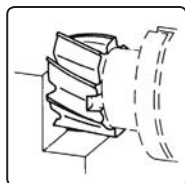
HSSE

D js 16	L	d H 7	Z	CODE 610973	IDENT.
40	32	16	4	•	.040
50	36	22	6	•	.050
63	40	27	6	•	.063
80	45	27	6	•	.080
100	50	32	8	•	.100
125	56	40	8	•	.125
160	63	50	10	•	.160





Použití - Usage - Applikation - Употребление



1	2	3	4	5		8	9				
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HSS  
Co5

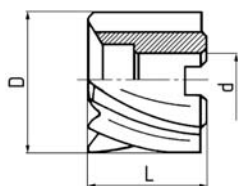
D js 16	L	d H 7	Z	CODE 620275	IDENT.
40	32	16	6	•	.040
50	36	22	8	•	.050
63	40	27	8	•	.063
80	45	27	10	•	.080
100	50	32	10	•	.100



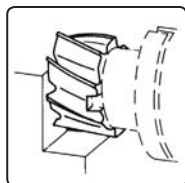
TiN

TiCN

TiAlN



Použití - Usage - Applikation - Употребление

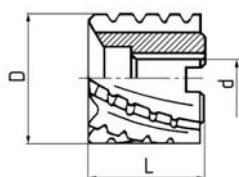


HSSE

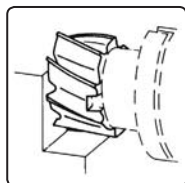
D js 16	L	d H 7	Z	CODE 620973	IDENT.
40	32	16	6	•	.040
50	36	22	8	•	.050
63	40	27	8	•	.063
80	45	27	10	•	.080
100	50	32	10	•	.100
125	56	40	12	•	.125
160	63	50	14	•	.160







Použití - Usage - Applikation - Употребление

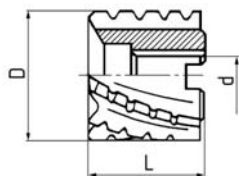


1	2	4			8	9				
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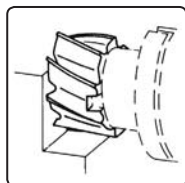
HSS  
Co5

D js 16	L	d H 7	Z	CODE 622275	IDENT.
40	32	16	6	•	.040
50	36	22	8	•	.050
63	40	27	8	•	.063
80	45	27	10	•	.080
100	50	32	10	•	.100





Použití - Usage - Applikation - Употребление

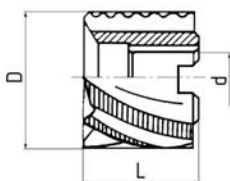


1	2	4			8	9				
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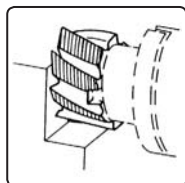
HSSE

D js 16	L	d H 7	Z	CODE 622973	IDENT.
40	32	16	6	•	.040
50	36	22	8	•	.050
63	40	27	8	•	.063
80	45	27	10	•	.080
100	50	32	10	•	.100
125	56	40	12	•	.125
160	63	50	14	•	.160





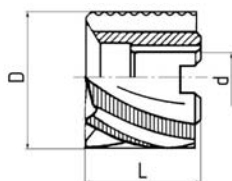
Použití - Usage - Applikation - Употребление



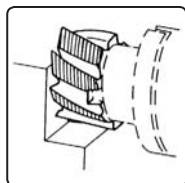
HSS  
Co5

D js 16	L	d H 7	Z	CODE 624275	IDENT.
40	32	16	6	•	.040
50	36	22	6	•	.050
63	40	27	8	•	.063
80	45	27	8	•	.080
100	50	32	10	•	.100





Použití - Usage - Applikation - Употребление

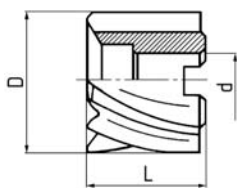


2	3	4	5	6	8	9	10				
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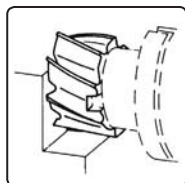
HSS  
Co5

D js 16	L	d H 7	Z	CODE 628275	IDENT.
40	32	16	8	•	.040
50	36	22	8	•	.050
63	40	27	10	•	.063
80	45	27	10	•	.080
100	50	32	12	•	.100





Použití - Usage - Applikation - Употребление

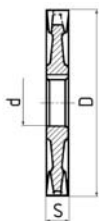


2	3	4	5		8	9				
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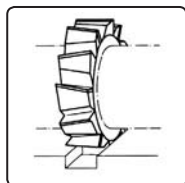
HSSE

D js 16	L	d H 7	Z	CODE 630973	IDENT.
40	32	16	8	•	.040
50	36	22	10	•	.050
63	40	27	12	•	.063
80	45	27	14	•	.080
100	50	32	16	•	.100
125	56	40	18	•	.125
160	63	50	20	•	.160





Použití - Usage - Applikation - Употребление

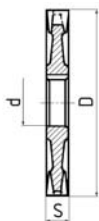


1											11	12	
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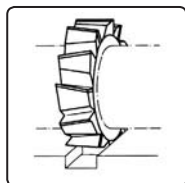
HSSE

D js 16	S s 10	d H 7	Z	CODE 710373	IDENT.
63	8	22	6	•	.06308
80	10	22	6	•	.08010
100	12	27	8	•	.10012
100	16	32	8	•	.10016
125	14	32	8	•	.12514
125	18	40	8	•	.12518
160	16	32	10	•	.16016
160	20	40	10	•	.16020





Použití - Usage - Applikation - Употребление

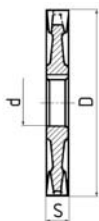


1	2				7			11	12
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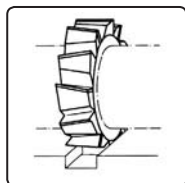
HSS  
Co5

D js 16	S k 11	d H 7	Z	CODE 720275	IDENT.
50	4	16	12	•	.05004
50	5	16	12	•	.05005
50	6	16	12	•	.05006
50	8	16	12	•	.05008
50	10	16	12	•	.05010
63	4	22	12	•	.06304
63	5	22	12	•	.06305
63	6	22	12	•	.06306
63	8	22	12	•	.06308
63	10	22	12	•	.06310
63	12	22	12	•	.06312
63	14	22	12	•	.06314
63	16	22	12	•	.06316
63	18	22	12	•	.06318
80	4	27	14	•	.08004
80	5	27	14	•	.08005
80	6	27	14	•	.08006
80	8	27	14	•	.08008
80	10	27	14	•	.08010
80	12	27	14	•	.08012
80	14	27	14	•	.08014
80	16	27	14	•	.08016
80	18	27	14	•	.08018
80	20	27	14	•	.08020
100	6	32	14	•	.10006
100	8	32	14	•	.10008
100	10	32	14	•	.10010
100	12	32	14	•	.10012
100	14	32	14	•	.10014
100	16	32	14	•	.10016
100	18	32	14	•	.10018





Použití - Usage - Applikation - Употребление



1	2				7			11	12	
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▼  
Pokračování - Continuation - Fortsetzung - Продолжение

HSS  
Co5

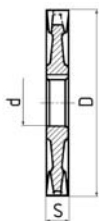
D js 16	S k 11	d H 7	Z	CODE 720275	IDENT.
100	20	32	14	•	.10020
100	25	32	14	•	.10025
125	6	32	16	•	.12506
125	8	32	16	•	.12508
125	10	32	16	•	.12510
125	12	32	16	•	.12512
125	14	32	16	•	.12514
125	16	32	16	•	.12516
125	18	32	16	•	.12518
125	20	32	16	•	.12520
125	25	32	16	•	.12525
125	28	32	16	•	.12528
160	6	40	18	•	.16006
160	8	40	18	•	.16008
160	10	40	18	•	.16010
160	12	40	18	•	.16012
160	14	40	18	•	.16014
160	16	40	18	•	.16016
160	18	40	18	•	.16018
160	20	40	18	•	.16020
160	25	40	18	•	.16025
160	32	40	18	•	.16032
200	8	40	24	•	.20008
200	10	40	24	•	.20010
200	12	40	24	•	.20012
200	14	40	24	•	.20014
200	16	40	24	•	.20016
200	18	40	24	•	.20018
200	20	40	24	•	.20020
200	25	40	24	•	.20025
200	32	40	24	•	.20032



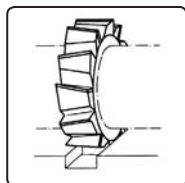
- Příklad objednávky  
- Example of order  
- Bestellungsbeispiel  
- Пример заказа

720275.05004 + TiN





Použití - Usage - Applikation - Употребление

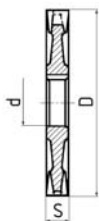


1	2				7			11	12	
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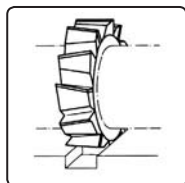
HSSE

D js 16	S s 10	d H 7	Z	CODE 720373	IDENT.
63	8	22	12	•	.06308
63	10	22	12	•	.06310
63	12	22	12	•	.06312
80	8	27	14	•	.08008
80	10	22	14	•	.0801022
80	10	27	14	•	.08010
80	12	27	14	•	.08012
100	10	27	14	•	.1001027
100	12	22	14	•	.1001222
100	12	27	14	•	.1001227
100	12	32	14	•	.10012
100	14	27	14	•	.1001427
100	14	32	14	•	.10014
100	16	32	14	•	.10016
125	12	32	16	•	.12512
125	14	27	16	•	.1251427
125	14	32	16	•	.12514
125	14	40	16	•	.1251440
125	16	32	16	•	.12516
125	16	40	16	•	.1251640
125	18	40	16	•	.1251840
160	14	40	18	•	.16014
160	16	32	18	•	.1601632
160	16	40	18	•	.16016
160	18	40	18	•	.16018
160	20	40	18	•	.16020





Použití - Usage - Applikation - Употребление

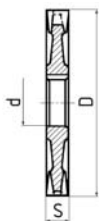


1	2	4	5	7	8		11		
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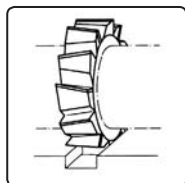
HSS  
Co5

D js 16	S k 11	d H 7	Z	CODE 726275	IDENT.
63	1,6	22	16	•	.063016
63	2	22	16	•	.063020
63	2,5	22	16	•	.063025
63	3	22	16	•	.063030
63	4	22	16	•	.063040
63	5	22	16	•	.063050
63	6	22	16	•	.063060
80	1,6	27	20	•	.080016
80	2	27	20	•	.080020
80	2,5	27	20	•	.080025
80	3	27	20	•	.080030
80	4	27	20	•	.080040
80	5	27	20	•	.080050
80	6	27	20	•	.080060
100	1,6	32	24	•	.100016
100	2	32	24	•	.100020
100	2,5	32	24	•	.100025
100	3	32	24	•	.100030
100	4	32	24	•	.100040
100	5	32	24	•	.100050
100	6	32	24	•	.100060
100	8	32	24	•	.100080
125	1,6	32	26	•	.125016
125	2	32	26	•	.125020
125	2,5	32	26	•	.125025
125	3	32	26	•	.125030
125	4	32	26	•	.125040





Použití - Usage - Applikation - Употребление



1	2	4	5	7	8		11		
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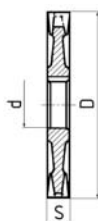


Pokračování - Continuation - Fortsetzung - Продолжение

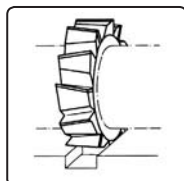
HSS  
Co5

D js 16	S k 11	d H 7	Z	CODE 726275	IDENT.
125	5	32	26	•	.125050
125	6	32	26	•	.125060
125	8	32	26	•	.125080
125	10	32	26	•	.125100
160	2	40	30	•	.160020
160	2,5	40	30	•	.160025
160	3	40	30	•	.160030
160	4	40	30	•	.160040
160	5	40	30	•	.160050
160	6	40	30	•	.160060
160	8	40	30	•	.160080
160	10	40	30	•	.160100
160	12	40	30	•	.160120





Použití - Usage - Applikation - Употребление



HSS

1	2				7				11	12	
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HSS Co5

1	2		4	5		7	8	9		11	12	
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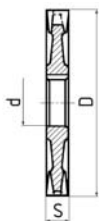
HSS

HSS  
Co5

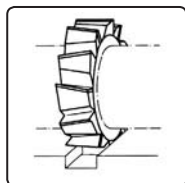
D js 16	S k 11	d H 7	Z	CODE 730270	CODE 730275	IDENT.
50	4	16	16		•	.05004
50	5	16	16		•	.05005
50	6	16	16		•	.05006
50	8	16	16		•	.05008
50	10	16	16		•	.05010
63	4	22	18		•	.06304
63	5	22	18		•	.06305
63	6	22	18		•	.06306
63	8	22	18		•	.06308
63	10	22	18		•	.06310
63	12	22	18		•	.06312
63	14	22	18		•	.06314
63	16	22	18		•	.06316
80	4	27	20		•	.08004
80	5	27	20		•	.08005
80	6	27	20		•	.08006
80	8	27	20		•	.08008
80	10	27	18		•	.08010
80	12	27	18		•	.08012
80	14	27	18		•	.08014
80	16	27	18		•	.08016
80	18	27	18		•	.08018
80	20	27	18		•	.08020
100	4	32	20		•	.10004
100	5	32	20		•	.10005
100	6	32	20		•	.10006
100	8	32	20		•	.10008



Pokračování - Continuation - Fortsetzung - Продолжение



Použití - Usage - Applikation - Употребление



HSS

1	2				7				11	12	
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HSS Co5

1	2		4	5		7	8	9		11	12	
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Pokračování - Continuation - Fortsetzung - Продолжение

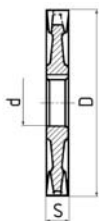
HSS

HSS  
Co5

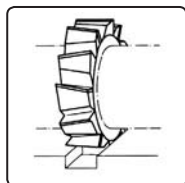
D js 16	S k 11	d H 7	Z	CODE 730270	CODE 730275	IDENT.
100	10	32	20		•	.10010
100	12	32	20		•	.10012
100	14	32	20		•	.10014
100	16	32	20		•	.10016
100	18	32	20		•	.10018
100	20	32	20		•	.10020
100	25	32	20		•	.10025
125	5	32	24		•	.12505
125	6	32	24		•	.12506
125	8	32	24		•	.12508
125	10	32	22		•	.12510
125	12	32	22		•	.12512
125	14	32	22		•	.12514
125	16	32	22		•	.12516
125	18	32	22		•	.12518
125	20	32	22		•	.12520
125	25	32	22		•	.12525
125	28	32	22		•	.12528
160	6	40	26		•	.16006
160	8	40	26		•	.16008
160	10	40	26		•	.16010
160	12	40	26		•	.16012
160	14	40	26		•	.16014
160	16	40	26		•	.16016
160	18	40	26		•	.16018
160	20	40	26		•	.16020
160	25	40	26		•	.16025



Pokračování - Continuation - Fortsetzung - Продолжение



Použití - Usage - Applikation - Употребление



HSS

1	2				7				11	12	
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HSS Co5

1	2		4	5		7	8	9		11	12	
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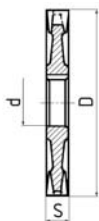
▼  
Pokračování - Continuation - Fortsetzung - Продолжение

HSS

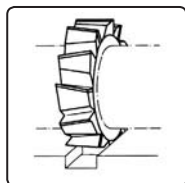
HSS  
Co5

D js 16	S k 11	d H 7	Z	CODE 730270	CODE 730275	IDENT.
160	32	40	26		•	.16032
200	8	40	32		•	.20008
200	10	40	32		•	.20010
200	12	40	32		•	.20012
200	14	40	32		•	.20014
200	16	40	32		•	.20016
200	18	40	32		•	.20018
200	20	40	32		•	.20020
200	25	40	32		•	.20025
200	32	40	32		•	.20032
250	8	40	38	•		.25008
250	10	40	38	•		.25010
250	12	40	38	•		.25012





Použití - Usage - Applikation - Употребление



HSS Co8

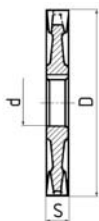


HSS  
Co8

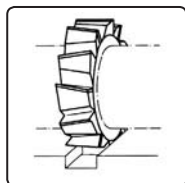
D js 16	S k 11	d H 7	Z	CODE 730278	IDENT.
50	4	16	14	•	.05004
50	5	16	14	•	.05005
50	6	16	14	•	.05006
50	8	16	14	•	.05008
50	10	16	14	•	.05010
63	4	22	16	•	.06304
63	5	22	16	•	.06305
63	6	22	16	•	.06306
63	8	22	16	•	.06308
63	10	22	16	•	.06310
63	12	22	16	•	.06312
63	14	22	16	•	.06314
63	16	22	16	•	.06316
80	4	27	18	•	.08004
80	5	27	18	•	.08005
80	6	27	18	•	.08006
80	8	27	18	•	.08008
80	10	27	18	•	.08010
80	12	27	18	•	.08012
80	14	27	18	•	.08014
80	16	27	18	•	.08016
80	18	27	16	•	.08018
80	20	27	16	•	.08020
100	4	32	20	•	.10004
100	5	32	20	•	.10005
100	6	32	20	•	.10006
100	8	32	20	•	.10008



Pokračování - Continuation - Fortsetzung - Продолжение



Použití - Usage - Applikation - Употребление



HSS Co8



Pokračování - Continuation - Fortsetzung - Продолжение

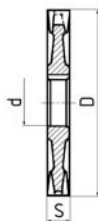
HSS  
Co8

D js 16	S k 11	d H 7	Z	CODE 730278	IDENT.
100	10	32	20	•	.10010
100	12	32	20	•	.10012
100	14	32	20	•	.10014
100	16	32	20	•	.10016
100	18	32	20	•	.10018
100	20	32	20	•	.10020
100	22	32	18	•	.10022
100	25	32	18	•	.10025
125	5	32	22	•	.12505
125	6	32	22	•	.12506
125	8	32	22	•	.12508
125	10	32	22	•	.12510
125	12	32	22	•	.12512
125	14	32	22	•	.12514
125	16	32	22	•	.12516
125	18	32	22	•	.12518
125	20	32	22	•	.12520
125	22	32	20	•	.12522
125	25	32	20	•	.12525
160	6	40	24	•	.16006
160	8	40	24	•	.16008
160	10	40	24	•	.16010
160	12	40	24	•	.16012
160	14	40	24	•	.16014
160	16	40	24	•	.16016
160	18	40	24	•	.16018
160	20	40	24	•	.16020

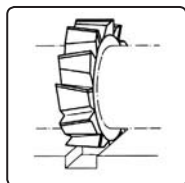


Pokračování - Continuation - Fortsetzung - Продолжение





Použití - Usage - Applikation - Употребление



HSS Co8



▼  
Pokračování - Continuation - Fortsetzung - Продолжение

HSS  
Co8

D js 16	S k 11	d H 7	Z	CODE 730278	IDENT.
160	22	40	22	•	.16022
160	25	40	22	•	.16025
200	8	40	30	•	.20008
200	10	40	30	•	.20010
200	12	40	30	•	.20012
200	14	40	30	•	.20014
200	16	40	30	•	.20016
200	18	40	30	•	.20018
200	20	40	30	•	.20020
200	22	40	28	•	.20022
200	25	40	28	•	.20025





A technical drawing of a gear tooth profile. The tooth is shown in cross-section, with a curved outer surface and a flat base. The profile is symmetrical about a vertical centerline. The drawing is enclosed in a rectangular frame.

2	3	4	5	6			8	9
---	---	---	---	---	--	--	---	---

D js 16	S s 10	d H 7	Z	CODE 730373	IDENT.
50	4	16	18	●	.05004
50	5	16	18	●	.05005
50	6	16	18	●	.05006
63	4	22	20	●	.06304
63	5	22	20	●	.06305
63	6	22	20	●	.06306
63	8	22	20	●	.06308
63	10	22	20	●	.06310
63	12	22	20	●	.06312
80	4	22	24	●	.08004
80	5	22	24	●	.08005
80	6	22	22	●	.08006
80	8	22	22	●	.08008
80	10	22	22	●	.08010
80	12	22	22	●	.08012
100	8	22	24	●	.10008
100	10	22	24	●	.10010
100	14	22	24	●	.10014
100	16	32	24	●	.10016
125	8	32	28	●	.12508
125	12	27	26	●	.12512
125	16	27	26	●	.12516
125	18	32	26	●	.12518
125	20	32	26	●	.12520
160	18	32	28	●	.16018
160	22	40	28	●	.16022





A technical drawing of a gear tooth profile, showing the curved shape of the tooth and its mounting on a shaft. The drawing is a cross-section view, illustrating the geometry of the tooth and its connection to the shaft.

2	3	4	5	6			8	9
---	---	---	---	---	--	--	---	---

D js 16	S e 8	d H 7	Z	CODE 732373	IDENT.
50	4	16	18	●	.05004
63	5	22	20	●	.06305
63	6	22	20	●	.06306
63	8	22	20	●	.06308
80	10	27	22	●	.08010
80	12	27	22	●	.08012
80	14	27	22	●	.08014
100	16	32	24	●	.10016
100	18	32	24	●	.10018
125	22	40	26	●	.12522
125	25	40	26	●	.12525



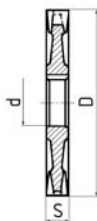


A diagram of a gear with a tooth break. The gear is shown in profile, with a single tooth broken off. The break is indicated by a jagged line. The gear is mounted on a shaft, which is shown as a horizontal line passing through the center of the gear.

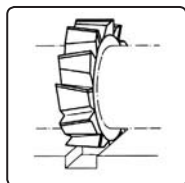


D js 16	S s 10	d H 7	Z	CODE 734373	IDENT.
80	16	27	22	●	.08016
80	18	27	22	●	.08018
80	20	27	22	●	.08020
100	20	27	24	●	.10020
100	22	27	24	●	.10022
125	22	32	26	●	.12522
125	25	32	26	●	.12525
125	28	32	26	●	.12528
160	25	40	28	●	.16025
160	28	40	28	●	.16028
160	32	40	28	●	.16032





Použití - Usage - Applikation - Употребление



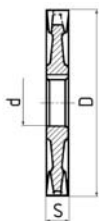
1	2	4	5	6	7	8			11	12
---	---	---	---	---	---	---	--	--	----	----

HSS  
Co5

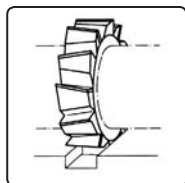
D js 16	S k 11	d H 7	Z	CODE 736275	IDENT.
63	1,6	22	28	•	.063016
63	2	22	28	•	.063020
63	2,5	22	28	•	.063025
63	3	22	28	•	.063030
63	4	22	28	•	.063040
63	5	22	28	•	.063050
63	6	22	28	•	.063060
80	1,6	27	32	•	.080016
80	2	27	32	•	.080020
80	2,5	27	32	•	.080025
80	3	27	32	•	.080030
80	4	27	32	•	.080040
80	5	27	32	•	.080050
80	6	27	32	•	.080060
100	1,6	32	36	•	.100016
100	2	32	36	•	.100020
100	2,5	32	36	•	.100025
100	3	32	36	•	.100030
100	4	32	36	•	.100040
100	5	32	36	•	.100050
100	6	32	36	•	.100060
100	8	32	28	•	.100080
125	1,6	32	40	•	.125016
125	2	32	40	•	.125020
125	2,5	32	40	•	.125025
125	3	32	40	•	.125030
125	4	32	40	•	.125040



Pokračování - Continuation - Fortsetzung - Продолжение



Použití - Usage - Applikation - Употребление

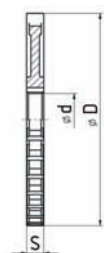


Pokračování - Continuation - Fortsetzung - Продолжение

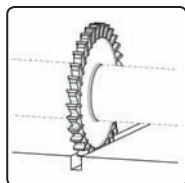
HSS  
Co5

D js 16	S k 11	d H 7	Z	CODE 736275	IDENT.
125	5	32	40	•	.125050
125	6	32	40	•	.125060
125	8	32	32	•	.125080
125	10	32	32	•	.125100
160	2	40	44	•	.160020
160	2,5	40	44	•	.160025
160	3	40	44	•	.160030
160	4	40	44	•	.160040
160	5	40	44	•	.160050
160	6	40	44	•	.160060
160	8	40	36	•	.160080
160	10	40	36	•	.160100
160	12	40	36	•	.160120
200	2	40	52	•	.200020
200	2,5	40	52	•	.200025
200	3	40	52	•	.200030
200	4	40	52	•	.200040
200	5	40	52	•	.200050
200	6	40	52	•	.200060
200	8	40	40	•	.200080
200	10	40	40	•	.200100
200	12	40	40	•	.200120





Použití - Usage - Applikation - Употребление



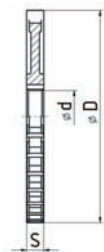
1	2	4	5	6	7	8	9	11		
---	---	---	---	---	---	---	---	----	--	--

HSS  
Co5

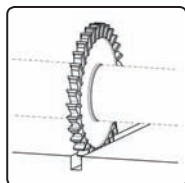
D js 16	S k 11	d H 7	Z	CODE 737275	IDENT.
63	1,6	22	32	•	.063016
63	2	22	32	•	.063020
63	2,5	22	32	•	.063025
63	3	22	32	•	.063030
63	4	22	32	•	.063040
63	5	22	32	•	.063050
80	1,6	27	36	•	.080016
80	2	27	36	•	.080020
80	2,5	27	36	•	.080025
80	3	27	36	•	.080030
80	4	27	36	•	.080040
100	1,6	32	40	•	.100016
100	2	32	40	•	.100020
100	2,5	32	40	•	.100025
100	3	32	40	•	.100030
100	4	32	40	•	.100040
100	5	32	40	•	.100050
125	1,6	32	44	•	.125016
125	2	32	44	•	.125020
125	2,5	32	44	•	.125025
125	3	32	44	•	.125030
125	4	32	44	•	.125040
125	5	32	44	•	.125050
125	6	32	44	•	.125060
160	2	40	52	•	.160020
160	2,5	40	52	•	.160025
160	3	40	52	•	.160030



Pokračování - Continuation - Fortsetzung - Продолжение

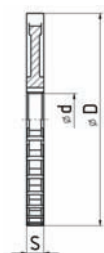


Použití - Usage - Applikation - Употребление

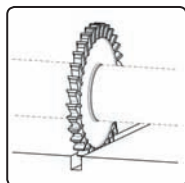


1	2			4	5	6	7	8	9			11			
---	---	--	--	---	---	---	---	---	---	--	--	----	--	--	--





Použití - Usage - Applikation - Употребление



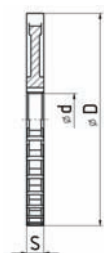
1	2	4	5	7	8			11	12
---	---	---	---	---	---	--	--	----	----

HSS  
Co5

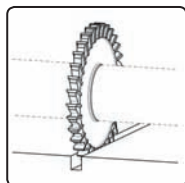
D js 16	S k 11	d H 7	Z	CODE 739275	IDENT.
50	4	16	16	•	.05004
50	5	16	16	•	.05005
50	6	16	16	•	.05006
50	8	16	16	•	.05008
50	10	16	16	•	.05010
63	4	22	18	•	.06304
63	5	22	18	•	.06305
63	6	22	18	•	.06306
63	8	22	18	•	.06308
63	10	22	18	•	.06310
63	12	22	18	•	.06312
63	14	22	18	•	.06314
63	16	22	18	•	.06316
63	18	22	18	•	.06318
80	5	27	20	•	.08005
80	6	27	20	•	.08006
80	8	27	20	•	.08008
80	10	27	20	•	.08010
80	12	27	20	•	.08012
80	14	27	20	•	.08014
80	16	27	20	•	.08016
80	18	27	20	•	.08018
80	20	27	20	•	.08020
100	6	32	24	•	.10006
100	8	32	24	•	.10008
100	10	32	24	•	.10010
100	12	32	24	•	.10012



▼  
Pokračování - Continuation - Fortsetzung - Продолжение



Použití - Usage - Applikation - Употребление



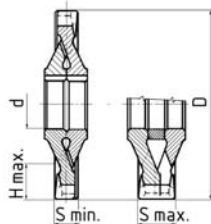
1	2	4	5	7	8			11	12
---	---	---	---	---	---	--	--	----	----

Pokračování - Continuation - Fortsetzung - Продолжение

HSS  
Co5

D js 16	S k 11	d H 7	Z	CODE 739275	IDENT.
100	14	32	24	•	.10014
100	16	32	24	•	.10016
100	18	32	24	•	.10018
100	20	32	24	•	.10020
100	22	32	24	•	.10022
100	25	32	24	•	.10025
125	8	32	24	•	.12508
125	10	32	24	•	.12510
125	12	32	24	•	.12512
125	14	32	24	•	.12514
125	16	32	24	•	.12516
125	18	32	24	•	.12518
125	20	32	24	•	.12520
125	25	32	24	•	.12525
160	10	40	24	•	.16010
160	12	40	24	•	.16012
160	14	40	24	•	.16014
160	16	40	24	•	.16016
160	18	40	24	•	.16018
160	20	40	24	•	.16020
200	10	40	32	•	.20010
200	12	40	32	•	.20012
200	14	40	32	•	.20014
200	16	40	32	•	.20016
200	18	40	32	•	.20018
200	20	40	32	•	.20020





DIN 138



$\lambda = 10^\circ$

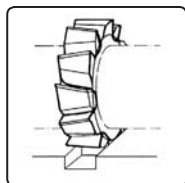
$\gamma = 10^\circ$

typ

W



Použití - Usage - Applikation - Употребление

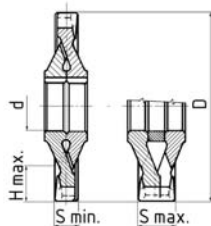


1						7	8			11	12	
---	--	--	--	--	--	---	---	--	--	----	----	--

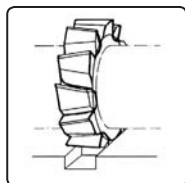
HSSE

D js 16	S		d H 7	Z	H max.	CODE 750373	IDENT.
	min.	max.					
80	10	16	22	12	12	•	.080
100	12	20	27	12	16	•	.100
125	14	25	32	14	22	•	.125
160	16	28	40	16	28	•	.160





Použití - Usage - Applikation - Употребление

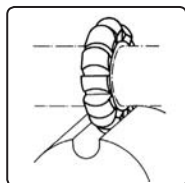
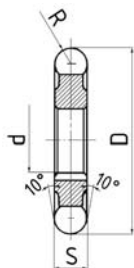


2	4			8	9				
---	---	--	--	---	---	--	--	--	--

HSSE

D js 16	S		d H 7	Z	H max.	CODE 760173	IDENT.
	min.	max.					
63	4	6	22	14	6	•	.063
80	5	8	22	16	8	•	.080
80	6	10	22	16	10	•	.0800610
100	8	14	27	16	14	•	.100
125	10	18	32	18	18	•	.125
160	12	22	40	20	22	•	.160



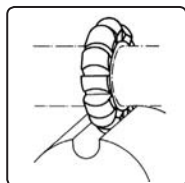
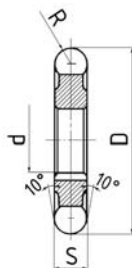


HSS

R k 11	D js 16	S	d H 7	Z	CODE 810070	IDENT.
1	50	2	16	14	•	.010
1,25	50	2,5	16	14	•	.125
1,6	50	3,2	16	14	•	.016
2	50	4	16	14	•	.020
2,5	63	5	22	12	•	.025
3	63	6	22	12	•	.030
3,15	63	6,3	22	12	•	.0315
3,5**	63	7	22	12	•	.035
4	63	8	22	12	•	.040
4,5**	63	9	22	12	•	.045
5	63	10	22	12	•	.050
5,5**	80	11	27	12	•	.055
6	80	12	27	12	•	.060
6,3	80	12,6	27	12	•	.063
6,5**	80	13	27	12	•	.065
7**	80	14	27	12	•	.070
7,5**	80	15	27	12	•	.075
8	80	16	27	12	•	.080
8,5**	100	17	32	12	•	.085
9**	100	18	32	12	•	.090
9,5**	100	19	32	12	•	.095
10	100	20	32	12	•	.100
11**	100	22	32	12	•	.110
12	100	24	32	12	•	.120
12,5	100	25	32	12	•	.125
14*	125	28	40	12	•	.140
15**	125	30	32	12	•	.150



▼  
Pokračování - Continuation - Fortsetzung - Продолжении



▼  
Pokračování - Continuation - Fortsetzung - Продолжение

HSS

R k 11	D js 16	S	d H 7	Z	CODE 810070	IDENT.
16	125	32	32	12	•	.160
18*	125	36	40	12	•	.180
20	125	40	32	12	•	.200
25*	160	50	40	12	•	.250

\*/ = ČSN

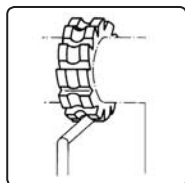
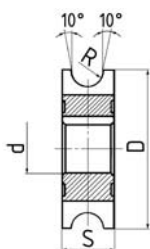
\*\*/ Dodávame na objednávku, ≠ DIN 856

Available on request, ≠ DIN 856

Auf Wunsch lieferbar, ≠ DIN 856

Поставляем под заказ, ≠ DIN 856





HSS

R H 11	D js 16	S	d H 7	Z	CODE 820070	IDENT.
1	50	6	16	14	•	.010
1,25	50	6	16	14	•	.125
1,6	50	8	16	14	•	.016
2	50	9	16	14	•	.020
2,5	63	10	22	12	•	.025
3	63	12	22	12	•	.030
3,15	63	12	22	12	•	.0315
3,5**	63	16	22	12	•	.035
4	63	16	22	12	•	.040
4,5**	63	18	22	12	•	.045
5	63	20	22	12	•	.050
6	80	24	27	12	•	.060
6,3	80	24	27	12	•	.063
7**	80	24	27	12	•	.070
8	80	32	27	12	•	.080
9**	100	32	32	12	•	.090
10	100	36	32	12	•	.100
12*	100	40	32	12	•	.120
12,5*	100	40	32	12	•	.125
16*	125	50	32	10	•	.160
20*	125	60	32	10	•	.200



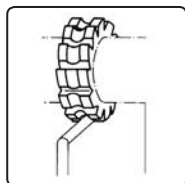
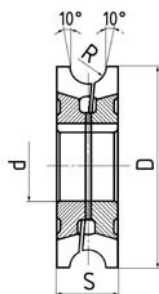
\*/ Dodávame na objednávku

Available on request

Auf Wunsch lieferbar

Поставляем под заказ

\*\*/ ≠ DIN 855

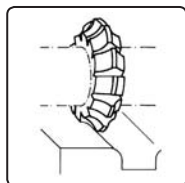
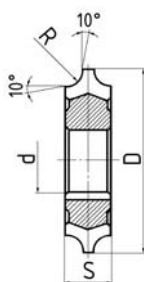


HSSE

R	tol.	D js 16	S js 16	d H 7	Z	CODE 824173	IDENT.
11	± 0,12	100	36	32	10	•	.110
12		100	38	32	10	•	.120
12,5		100	40	32	10	•	.125
14		125	44	40	10	•	.140
16		125	48	40	10	•	.160
18		125	52	40	10	•	.180
20	± 0,2	125	58	40	10	•	.200
22,5		160	63	40	12	•	.225
25		160	68	40	12	•	.250



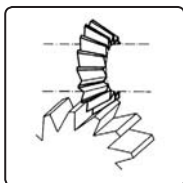
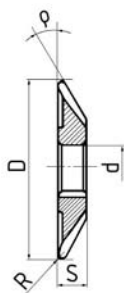




HSS

R	tol.	D js 16	S js 16	d H 7	Z	CODE 830170	IDENT.
1	± 0,05	63	4	22	20	•	.010
1,6		63	5	22	18	•	.016
2		63	6	22	16	•	.020
2,5		63	8	22	14	•	.025
3	± 0,08	63	10	22	12	•	.030
4		63	12	22	12	•	.040
5		80	14	27	12	•	.050
6		80	16	27	12	•	.060
8	± 0,12	80	22	27	12	•	.080
10		100	26	32	12	•	.100
12		100	32	32	10	•	.120
14		125	36	40	10	•	.140
16		125	40	40	10	•	.160
18		125	45	40	10	•	.180
20	± 0,2	125	50	40	10	•	.200
25		160	60	40	12	•	.250

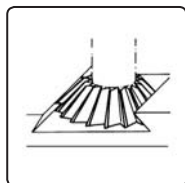
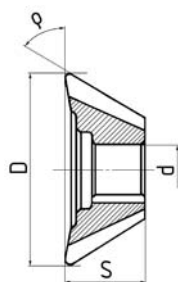




HSS

ρ ±30'	R	D js 16	S js 16	d H 7	Z	CODE 852570	IDENT.
20°	1	63	6	16	14	•	.020063
20°	1,5	100	10	27	18	•	.020100
25°	1	63	6	22	14	•	.025063
25°	1	80	10	22	16	•	.025080
25°	1,5	100	14	27	18	•	.025100
25°	2	125	18	27	20	•	.025125
25°	2,5	160	22	32	22	•	.025160
30°	1	63	8	22	14	•	.030063
30°	1,5	100	14	27	18	•	.030100

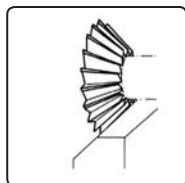
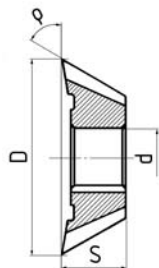




HSS

p ±20'	D js 16	S js 14	d H 7	Z	CODE 853270	IDENT.
45°	40	10	10	14	•	.045040
45°	50	13	13	16	•	.045050
45°	63	18	16	18	•	.045063
45°	80	22	22	20	•	.045080
45°	100	28	27	22	•	.045100
45°	125	36	32	24	•	.045125
45°	160	45	40	28	•	.045160
50°	40	13	10	14	•	.050040
50°	50	16	13	16	•	.050050
50°	63	20	16	18	•	.050063
50°	80	25	22	20	•	.050080
50°	100	32	27	22	•	.050100
50°	125	40	32	24	•	.050125
50°	160	50	40	28	•	.050160
55°	40	13	10	14	•	.055040
55°	50	16	13	16	•	.055050
55°	63	20	16	18	•	.055063
55°	80	25	22	20	•	.055080
55°	100	32	27	22	•	.055100
55°	125	40	32	24	•	.055125
60°	40	13	10	14	•	.060040
60°	50	16	13	16	•	.060050
60°	63	20	16	18	•	.060063
60°	80	25	22	20	•	.060080
60°	100	32	27	22	•	.060100
60°	125	40	32	26	•	.060125
60°	160	50	40	28	•	.060160

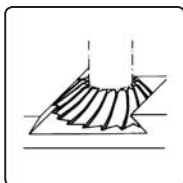
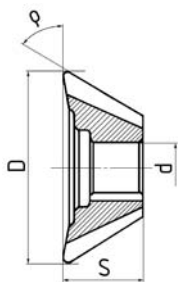




HSS

p ±30'	D js 16	S js 16	d H 7	Z	CODE 853570	IDENT.
40°	63	10	22	18	•	.040063
40°	100	20	32	22	•	.040100
45°	63	12	22	18	•	.045063
45°	80	16	27	20	•	.045080
45°	100	22	32	22	•	.045100
50°	50	12	16	16	•	.050050
50°	63	16	22	18	•	.050063
50°	80	20	27	20	•	.050080
50°	100	25	32	22	•	.050100
60°	50	12	16	14	•	.060050
60°	63	16	22	16	•	.060063
60°	80	20	27	18	•	.060080
60°	100	25	32	20	•	.060100
65°	63	16	22	16	•	.065063
65°	80	20	27	18	•	.065080
70°	50	12	16	14	•	.070050
70°	63	16	22	16	•	.070063
70°	80	20	27	18	•	.070080
70°	100	25	32	20	•	.070100
75°	63	16	22	16	•	.075063
75°	80	20	27	18	•	.075080
80°	50	12	16	14	•	.080050
80°	63	16	22	16	•	.080063
80°	80	20	27	18	•	.080080
80°	100	25	32	20	•	.080100
85°	63	16	22	16	•	.085063
85°	80	20	27	18	•	.085080

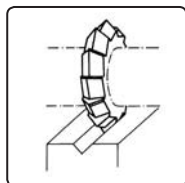
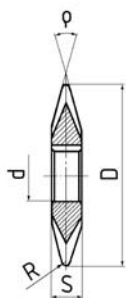




HSS

p -10'	D js 16	S js 16	d H 7	Z	CODE 853970	IDENT.
55°	63	20	22	16	•	.055063
55°	80	25	27	18	•	.055080
55°	100	32	32	20	•	.055100
55°	125	40	40	22	•	.055125

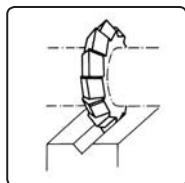
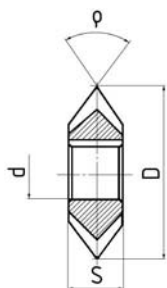




HSS

ρ ±30'	R	D js 16	S js 16	d H 7	Z	CODE 856170	IDENT.
30°	1	63	8	16	14	•	.030063
30°	1	80	12	22	16	•	.030080
30°	1,5	100	16	27	18	•	.030100
30°	2	125	20	27	20	•	.030125
30°	2,5	160	25	32	22	•	.030160



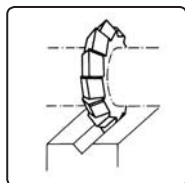
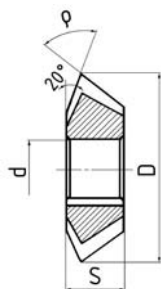


HSS

p ±30'	D js 16	S js 16	d H 7	Z	CODE 857070	IDENT.
45°	50	8	16	22	•	.045050
45°	63	10	22	24	•	.045063
45°	80	12	27	26	•	.045080
45°	100	18	32	28	•	.045100
60°	50	10	16	18	•	.060050
60°	63	14	22	20	•	.060063
60°	80	18	27	22	•	.060080
60°	100	25	32	24	•	.060100
90°	50	14	16	16	•	.090050
90°	63	20	22	18	•	.090063
90°	80	22	27	20	•	.090080
90°	100	32	32	24	•	.090100
*120°	50	14	16	16	•	.120050
*120°	63	20	22	16	•	.120063
*120°	80	25	27	20	•	.120080
*120°	100	36	32	24	•	.120100



\* / ≠ DIN 847



HSS

p ±30'	D js 16	S js 16	d H 7	Z	CODE 859170	IDENT.
45°	63	8	22	18	•	.045063
45°	100	16	32	22	•	.045100
50°	63	10	22	18	•	.050063
50°	80	14	27	20	•	.050080
50°	100	18	32	22	•	.050100
55°	63	10	22	18	•	.055063
55°	100	20	32	22	•	.055100
60°	63	12	22	18	•	.060063
60°	80	18	27	20	•	.060080
60°	100	24	32	22	•	.060100
65°	63	12	22	18	•	.065063
65°	100	26	32	22	•	.065100
70°	63	16	22	18	•	.070063
70°	80	22	27	20	•	.070080
70°	100	32	32	22	•	.070100
75°	63	16	22	18	•	.075063
75°	100	32	32	22	•	.075100
80°	63	16	22	18	•	.080063
80°	80	22	27	20	•	.080080
80°	100	32	32	22	•	.080100
85°	63	22	22	18	•	.085063
85°	100	36	32	22	•	.085100
90°	63	22	22	18	•	.090063
90°	80	28	27	20	•	.090080
90°	100	36	32	22	•	.090100

