

**D** Hartmetall-Frässtifte, Spitzbogen

**E** Tungsten carbide rotary burrs, arc pointed nose

**I** Frese rotative in metallo duro, a lancia

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



Aluminium  
Aluminium  
Aluminio



DIN MY



DIN MX



DIN C



Diamant  
Diamond  
Diamante



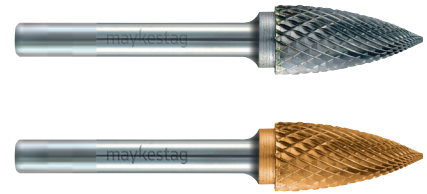
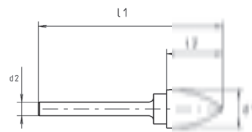
DIN MX

Nähere Informationen zu den einzelnen Zahnungen siehe Seite 215.  
Detailed information about the different cuts see on page 215.  
Informazioni più dettagliate circa le diverse dentature vedi pagina 215.



DIN  
SPG

ISO  
G



d1 mm	d2 mm	l1 mm	l2 mm	1A Code 7808 Art.-Nr.	1 Code 7801 Art.-Nr.	2 Code 7802 Art.-Nr.	3 Code 7803 Art.-Nr.
3	3	38	12				0 7803031031 00
4	3	40	10				0 7803031041 00
4	6	50	14				
5	3	42	12				0 7803031051 00
6	3	43	13				0 7803031061 00
6	6	50	16			0 7802061061 00	0 7803061061 00
8	6	65	20			0 7802061081 00	0 7803061081 00
10	6	65	20	0 7808061101 00		0 7802061101 00	0 7803061101 00
12	6	70	25	0 7808061121 00		0 7802061121 00	0 7803061121 00
12	8	70	25				
16	6	75	30	0 7808061161 00		0 7802061161 00	0 7803061161 00
16	8	75	30				

d1 mm	d2 mm	l1 mm	l2 mm	4 Code 7804 Art.-Nr.	6 Code 7806 Art.-Nr.	6 Code 7807 Art.-Nr.
3	3	38	12	0 7804031031 00	0 7806031031 00	0 7807031031 00
4	3	40	10			
4	6	50	14		0 7806061041 00	
5	3	42	12		0 7806031051 00	
6	3	43	13	0 7804031061 00		
6	6	50	16	0 7804061061 00	0 7806061061 00	0 7807061061 00
8	6	65	20	0 7804061081 00	0 7806061081 00	0 7807061081 00
10	6	65	20	0 7804061101 00	0 7806061101 00	0 7807061101 00
12	6	70	25	0 7804061121 00	0 7806061121 00	0 7807061121 00
12	8	70	25		0 7806081121 00	
16	6	75	30	0 7804061161 00	0 7806061161 00	
16	8	75	30		0 7806081161 00	

Hartmetall-Frässtifte  
Tungsten carbide rotary burrs  
Frese rotative in metallo duro

**D** Hartmetall-Frässtifte,  
Winkel, ohne  
Stirnverzahnung

**E** Tungsten carbide rotary  
burrs, inverted cone, without  
front cut

**I** Frese rotative in metallo duro,  
tronco conica, senza taglio in  
testa

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



1A  
Aluminium  
Aluminium  
Aluminio



1  
DIN C



2



3  
DIN MY



4  
Diamant  
Diamond  
Diamante



6  
DIN MX



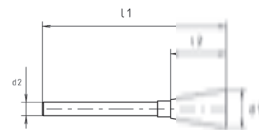
6 TiN  
DIN MX

Nähere Informationen zu den einzelnen Zahnungen  
siehe Seite 215.  
Detailed information about the different cuts see on  
page 215.  
Informazioni più dettagliate circa le diverse dentature  
vedi pagina 215.



DIN  
WKN

ISO  
N



d1 mm	d2 mm	l1 mm	l2 mm	1A Code 7818 Art.-Nr.	1 Code 7811 Art.-Nr.	2 Code 7812 Art.-Nr.	3 Code 7813 Art.-Nr.
3	3	38	3				0 7813031031 00
6	3	36	6				0 7813031061 00
8	6	53	8				0 7813061081 00
10	6	55	10				
12	6	57	12				0 7813061121 00

d1 mm	d2 mm	l1 mm	l2 mm	4 Code 7814 Art.-Nr.	6 Code 7816 Art.-Nr.	6 Code 7817 Art.-Nr.
3	3	38	3		0 7816031031 00	
6	3	36	6		0 7816031061 00	
8	6	53	8		0 7816061081 00	
10	6	55	10		0 7816061101 00	
12	6	57	12		0 7816061121 00	

**D** Hartmetall-Frässtifte, Spitzkegel

**E** Tungsten carbide rotary burrs, conical pointed nose

**I** Frese rotative in metallo duro, conica

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



Aluminium  
Aluminium  
Aluminio



DIN MY



DIN MX



DIN C



Diamant  
Diamond  
Diamante



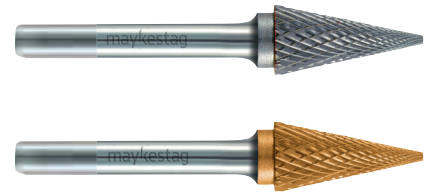
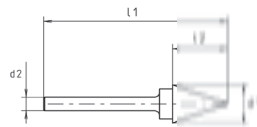
DIN MX





Nähere Informationen zu den einzelnen Zahnungen siehe Seite 215.  
Detailed information about the different cuts see on page 215.  
Informazioni più dettagliate circa le diverse dentature vedi pagina 215.






DIN  
SKM

ISO  
M



d1 mm	d2 mm	l1 mm	l2 mm				
				Code 7838 Art.-Nr.	Code 7831 Art.-Nr.	Code 7832 Art.-Nr.	Code 7833 Art.-Nr.
3	3	38	12				0 7833031031 00
3	3	50	12				0 7833032031 00
4	3	40	10				0 7833031041 00
6	3	43	13				0 7833031061 00
6	6	50	16			0 7832061061 00	0 7833061061 00
8	6	63	18			0 7832061081 00	0 7833061081 00
10	6	66	20			0 7832061101 00	0 7833061101 00
12	6	70	25			0 7832061121 00	0 7833061121 00
16	6	70	25			0 7832061161 00	0 7833061161 00

d1 mm	d2 mm	l1 mm	l2 mm			
				Code 7834 Art.-Nr.	Code 7836 Art.-Nr.	Code 7837 Art.-Nr.
3	3	38	12	0 7834031031 00	0 7836031031 00	0 7837031031 00
3	3	50	12			
4	3	40	10			
6	3	43	13	0 7834031061 00	0 7836031061 00	
6	6	50	16	0 7834061061 00	0 7836961061 00	0 7837061061 00
8	6	63	18	0 7834061081 00	0 7836061081 00	0 7837061081 00
10	6	66	20	0 7834061101 00	0 7836961101 00	0 7837061101 00
12	6	70	25	0 7834061121 00	0 7836961121 00	0 7837061121 00
16	6	70	25	0 7834061161 00	0 7836061161 00	

Hartmetall-Frässtifte  
Tungsten carbide rotary burrs  
Frese rotative in metallo duro

**D** Hartmetall-Frässtifte, Konus 90°

**E** Tungsten carbide rotary burrs, cone 90°

**I** Frese rotative in metallo duro, conica 90°

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



1A Aluminium  
Aluminium  
Aluminio



3 DIN MY



6 TiN DIN MX



1 DIN C

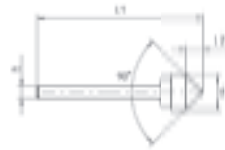


4 Diamant  
Diamond  
Diamante



6 DIN MX

Nähere Informationen zu den einzelnen Zahnungen siehe Seite 215.  
Detailed information about the different cuts see on page 215.  
Informazioni più dettagliate circa le diverse dentature vedi pagina 215.



d1 mm	d2 mm	l1 mm	l2 mm	1A Code 7848 Art.-Nr.	1 Code 7841 Art.-Nr.	2 Code 7842 Art.-Nr.	3 Code 7843 Art.-Nr.
3	3	38	2				0 7843031031 00
4	6	50	3				0 7843061041 00
5	3	34	4				0 7843031051 00
6	6	50	5				0 7843061061 00
8	6	53	8				0 7843061081 00
10	6	55	10				0 7843061101 00
12	6	57	12				0 7843061121 00
16	6	61	16				0 7843061161 00
20	6	65	20				0 7843061201 00

d1 mm	d2 mm	l1 mm	l2 mm	4 Code 7844 Art.-Nr.	6 Code 7846 Art.-Nr.	6 Code 7847 Art.-Nr.
3	3	38	2			
4	6	50	3			
5	3	34	4			
6	6	50	5			
8	6	53	8			
10	6	55	10		0 7846061101 00	
12	6	57	12		0 7846061121 00	
16	6	61	16			
20	6	65	20			

**D** Hartmetall-Frässtifte, Konus 60°

**E** Tungsten carbide rotary burrs, cone 60°

**I** Frese rotative in metallo duro, conica 60°

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



Aluminium  
Aluminium  
Aluminio



DIN MY



DIN MX



DIN C



Diamant  
Diamond  
Diamante



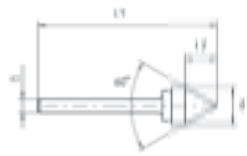
DIN MX





Nähere Informationen zu den einzelnen Zahnungen siehe Seite 215.  
Detailed information about the different cuts see on page 215.  
Informazioni più dettagliate circa le diverse dentature vedi pagina 215.






DIN  
KSJ

ISO  
J



d1 mm	d2 mm	l1 mm	l2 mm				
				Code 7858 Art.-Nr.	Code 7851 Art.-Nr.	Code 7852 Art.-Nr.	Code 7853 Art.-Nr.
3	3	38	3				0 7853031031 00
4	6	50	4				0 7853061041 00
6	6	50	6				0 7853061061 00
10	6	55	10				0 7853061101 00
12	6	57	12				0 7853061121 00
16	6	61	16				0 7853061161 00

d1 mm	d2 mm	l1 mm	l2 mm			
				Code 7854 Art.-Nr.	Code 7856 Art.-Nr.	Code 7857 Art.-Nr.
3	3	38	3			
4	6	50	4			
6	6	50	6		0 7856061061 00	
10	6	55	10			
12	6	57	12		0 7856061121 00	
16	6	61	16		0 7856061161 00	



Hartmetall-Frässtifte  
Tungsten carbide rotary burrs  
Frese rotative in metallo duro

**D** Hartmetall-Frässtifte,  
Tropfen

**E** Tungsten carbide rotary  
burrs, oval

**I** Frese rotative in metallo duro,  
ovale

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



1A  
Aluminium  
Aluminium  
Aluminio



1  
DIN C



2



3  
DIN MY



4  
Diamant  
Diamond  
Diamante



6  
DIN MX



6 TiN

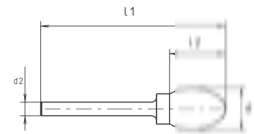
DIN MX

Nähere Informationen zu den einzelnen Zahnungen  
siehe Seite 215.  
Detailed information about the different cuts see on  
page 215.  
Informazioni più dettagliate circa le diverse dentature  
vedi pagina 215.



DIN  
TRE

ISO  
E



d1 mm	d2 mm	l1 mm	l2 mm	1A Code 7868 Art.-Nr.	1 Code 7861 Art.-Nr.	2 Code 7862 Art.-Nr.	3 Code 7863 Art.-Nr.
3	3	38	6				0 7863031031 00
4	3	36	6				0 7863031041 00
4	6	50	6				
6	3	40	10				0 7863031061 00
6	6	50	10				0 7863061061 00
8	6	58	13				0 7863061081 00
10	6	61	16				0 7863061101 00
12	6	65	20				0 7863061121 00
16	6	70	25				0 7863061161 00

d1 mm	d2 mm	l1 mm	l2 mm	4 Code 7864 Art.-Nr.	6 Code 7866 Art.-Nr.	6 Code 7867 Art.-Nr.
3	3	38	6	0 7864031031 00	0 7866031031 00	
4	3	36	6		0 7866031041 00	
4	6	50	6	0 7864061041 00	0 7866061041 00	
6	3	40	10	0 7864031061 00	0 7866031061 00	
6	6	50	10	0 7864061061 00	0 7866061061 00	
8	6	58	13	0 7864061081 00	0 7866061081 00	
10	6	61	16	0 7864061101 00	0 7866061101 00	
12	6	65	20	0 7864061121 00	0 7866061121 00	
16	6	70	25	0 7864061161 00	0 7866061161 00	

**D** Hartmetall-Frässtifte, Kugel

**E** Tungsten carbide rotary burrs, spherical

**I** Frese rotative in metallo duro, sferica

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



Aluminium  
Aluminium  
Aluminio



DIN MY



DIN MX



DIN C



Diamant  
Diamond  
Diamante



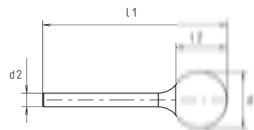
DIN MX

Nähere Informationen zu den einzelnen Zahnungen siehe Seite 215.  
Detailed information about the different cuts see on page 215.  
Informazioni più dettagliate circa le diverse dentature vedi pagina 215.



DIN  
**KUD**

ISO  
**D**



d1 mm	d2 mm	l1 mm	l2 mm	Code 7878 Art.-Nr.	Code 7871 Art.-Nr.	Code 7872 Art.-Nr.	Code 7873 Art.-Nr.
2,5	3	38	2				0 7873031251 00
3	3	38	2,5				0 7873031031 00
4	3	33	3				0 7873031041 00
4	6	50	3				0 7873061041 00
5	3	34	4				0 7873031051 00
6	3	35	5				0 7873031061 00
6	6	50	5			0 7872061061 00	0 7873061061 00
8	6	52	7			0 7872061081 00	0 7873061081 00
10	6	54	9	0 7878061101 00		0 7872061101 00	0 7873061101 00
10	6	150	9				
12	6	55	10	0 7878061121 00		0 7872061121 00	0 7873061121 00
12	6	150	10				
16	6	59	14				0 7873061161 00
16	8	59	14				0 7873081161 00
20	6	63	18				0 7873061201 00



Hartmetall-Frässtifte  
Tungsten carbide rotary burrs  
Frese rotative in metallo duro



d1 mm	d2 mm	l1 mm	l2 mm	Code 7874 Art.-Nr.	Code 7876 Art.-Nr.	Code 7877 Art.-Nr.
2,5	3	38	2		0 7876031251 00	0 7877031251 00
3	3	38	2,5	0 7874031031 00	0 7876031031 00	0 7877031031 00
4	3	33	3	0 7874031041 00		
4	6	50	3	0 7874061041 00	0 7876061041 00	
5	3	34	4	0 7874031051 00	0 7876031051 00	
6	3	35	5	0 7874031061 00	0 7876031061 00	
6	6	50	5	0 7874061061 00	0 7876061061 00	0 7877061061 00
8	6	52	7	0 7874061081 00	0 7876061081 00	0 7877061081 00
10	6	54	9	0 7874061101 00	0 7876961101 00	0 7877061101 00
10	6	150	9		0 7876062101 00	
12	6	55	10	0 7874061121 00	0 7876961121 00	0 7877061121 00
12	6	150	10		0 7876062121 00	
16	6	59	14	0 7874061161 00	0 7876061161 00	
16	8	59	14			
20	6	63	18	0 7874061201 00	0 7876061201 00	

**D** Hartmetall-Frässtifte,  
Rundbogen

**E** Tungsten carbide rotary  
burrs, arc round nose

**I** Frese rotative in metallo duro,  
a lancia raggata

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



1A  
Aluminium  
Aluminium  
Aluminio



1  
DIN C



2



3  
DIN MY



4  
Diamant  
Diamond  
Diamante



6  
DIN MX



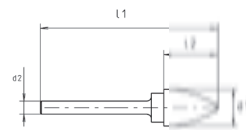
6 TiN  
DIN MX





Nähere Informationen zu den einzelnen Zahnungen  
siehe Seite 215.  
Detailed information about the different cuts see on  
page 215.  
Informazioni più dettagliate circa le diverse dentature  
vedi pagina 215.



DIN  
RBF

ISO  
F



							
d1 mm	d2 mm	l1 mm	l2 mm	Code 7888 Art.-Nr.	Code 7881 Art.-Nr.	Code 7882 Art.-Nr.	Code 7883 Art.-Nr.
3	3	38	12				0 7883031031 00
4	3	40	10				0 7883031041 00
6	3	43	13				0 7883031061 00
6	6	50	18			0 7882061061 00	0 7883061061 00
6	6	150	13				
8	6	63	18			0 7882061081 00	0 7883061081 00
10	6	65	20	0 7888061101 00	0 7881061101 00	0 7882061101 00	0 7883061101 00
10	6	150	20				
12	6	70	25	0 7888061121 00		0 7882061121 00	0 7883061121 00
12	6	150	25				
12	8	70	25				
16	6	75	30	0 7888061161 00			0 7883061161 00
16	8	75	30	0 7888081161 00			
20	6	75	30				

						
d1 mm	d2 mm	l1 mm	l2 mm	Code 7884 Art.-Nr.	Code 7886 Art.-Nr.	Code 7887 Art.-Nr.
3	3	38	12	0 7884031031 00	0 7886031031 00	0 7887031031 00
4	3	40	10			
6	3	43	13	0 7884031061 00	0 7886031061 00	
6	6	50	18	0 7884061061 00	0 7886961061 00	0 7887061061 00
6	6	150	13	0 7884062061 00		
8	6	63	18	0 7884061081 00	0 7886061081 00	0 7887061081 00
10	6	65	20	0 7884061101 00	0 7886961101 00	0 7887061101 00
10	6	150	20	0 7884062101 00		
12	6	70	25	0 7884061121 00	0 7886961121 00	0 7887061121 00
12	6	150	25	0 7884062121 00		
12	8	70	25		0 7886081121 00	
16	6	75	30	0 7884061161 00	0 7886061161 00	
16	8	75	30	0 7884081161 00		
20	6	75	30		0 7886061201 00	



**D** Hartmetall-Frässtifte, Rundkegel

**E** Tungsten carbide rotary burrs, conical round nose

**I** Frese rotative in metallo duro, conica raggiata

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



Aluminium  
Aluminium  
Aluminio



DIN MY



DIN MX



DIN C



Diamant  
Diamond  
Diamante



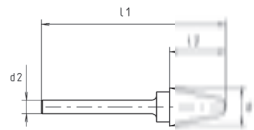
DIN MX

Nähere Informationen zu den einzelnen Zahnungen siehe Seite 215.  
Detailed information about the different cuts see on page 215.  
Informazioni più dettagliate circa le diverse dentature vedi pagina 215.



DIN  
**KEL**

ISO  
**L**



d1 mm	d2 mm	l1 mm	l2 mm	Code 7898 Art.-Nr.	Code 7891 Art.-Nr.	Code 7892 Art.-Nr.	Code 7893 Art.-Nr.
3	3	38	14				0 7893031031 00
4	3	44	14				0 7893031041 00
4	6	50	16				
6	3	48	18				0 7893031061 00
6	6	50	20			0 7892061061 00	0 7893061061 00
8	6	65	20			0 7892061081 00	0 7893061081 00
10	6	65	20	0 7898061101 00	0 7891061101 00	0 7892061101 00	0 7893061101 00
12	6	70	25	0 7898061121 00	0 7891061121 00	0 7892061121 00	0 7893061121 00
12	6	75	30				
16	6	75	30	0 7898061161 00			0 7893061161 00



d1 mm	d2 mm	l1 mm	l2 mm	Code 7894 Art.-Nr.	Code 7896 Art.-Nr.	Code 7897 Art.-Nr.
3	3	38	14	0 7894031031 00	0 7896031031 00	
4	3	44	14		0 7896031041 00	
4	6	50	16		0 7896061041 00	
6	3	48	18	0 7894031061 00		
6	6	50	20	0 7894061061 00	0 7896061061 00	
8	6	65	20	0 7894061081 00	0 7896061081 00	
10	6	65	20	0 7894061101 00	0 7896061101 00	
12	6	70	25	0 7894061121 00	0 7896061121 00	
12	6	75	30		0 7896063121 00	
16	6	75	30	0 7894061161 00	0 7896061161 00	



Hartmetall-Frässtifte  
Tungsten carbide rotary burrs  
Frese rotative in metallo duro

**D** Hartmetall-Frässtifte, Flamme

**E** Tungsten carbide rotary burrs, flame

**I** Frese rotative in metallo duro, fiamma

Unterschiedliche Zahnungen / Different cuts / Dentature diverse



1A  
Aluminium  
Aluminium  
Aluminio



1  
DIN C



2



3  
DIN MY



4  
Diamant  
Diamond  
Diamante



6  
DIN MX



6 TiN  
DIN MX

Nähere Informationen zu den einzelnen Zahnungen siehe Seite 215.  
Detailed information about the different cuts see on page 215.  
Informazioni più dettagliate circa le diverse dentature vedi pagina 215.



DIN  
B

ISO  
H



d1 mm	d2 mm	l1 mm	l2 mm	1A Code 7908 Art.-Nr.	1 Code 7901 Art.-Nr.	2 Code 7902 Art.-Nr.	3 Code 7903 Art.-Nr.
6	6	57	20				
8	6	65	20				0 7903061081 00
10	6	70	25				0 7903061101 00
12	6	75	30				0 7903061121 00
16	6	77	32				

d1 mm	d2 mm	l1 mm	l2 mm	4 Code 7904 Art.-Nr.	6 Code 7906 Art.-Nr.	6 Code 7907 Art.-Nr.
6	6	57	20		0 7906061061 00	
8	6	65	20	0 7904061081 00	0 7906061081 00	
10	6	70	25	0 7904061101 00	0 7906061101 00	
12	6	75	30	0 7904061121 00	0 7906061121 00	
16	6	77	32	0 7904061161 00	0 7906061161 00	

**D** Beschreibung der Verzahnungen**E** Description of cuts**I** Descrizione delle dentature

<p><b>Zahnung 1A (Aluminium)</b> Für Aluminium und Aluminiumlegierungen sowie Kunststoffe.</p> <p><b>Cut 1A (aluminium):</b> Suitable for aluminium and aluminium alloys as well as plastics.</p> <p><b>Dentatura 1A (alluminio):</b> Per sgrossatura alluminio, leghe di alluminio, plastica.</p>	<p><b>Zahnung 1 (DIN C)</b> Zum Entgraten nicht gehärteter Stähle, Leichtmetalle, Legierungen und Hartgummi.</p> <p><b>Cut 1 (DIN C):</b> Suitable for deburring non-hardened steels, soft steels, alloys and hard plastics.</p> <p><b>Dentatura 1 (DIN C):</b> Sgrossatura di acciai non temprati, metalli leggeri, leghe, gomma dura.</p>	<p><b>Zahnung 2</b> Für Stähle hoher Festigkeit, Inox, Stahlguss, Schweißnähte und Messing.</p> <p><b>Cut 2:</b> Suitable for steels with high tensile strength, inox, cast steels, welding seams and brass</p> <p><b>Dentatura 2:</b> Adatte per acciai ad alta resistenza, acciai inox, acciaio fuso, cordoni di saldatura, ottone.</p>	<p><b>Zahnung 3 (DIN MY)</b> Für allgemeine Arbeiten wie Entgraten, Fasen, Kantenbrechen mit sauberer Oberfläche. Für Stähle mit hoher Festigkeit, Schweißnähte.</p> <p><b>Cut 3 (DIN MY):</b> For general purposes such as deburring, chamfering and smoothing edges with clean surface. Suitable for steels with high tensile strength and welding seams.</p> <p><b>Dentatura 3 (DIN MY):</b> Per lavorazioni universali di sgrossatura, smussatura, spianatura degli spigoli, con ottima finitura della superficie. Adatte per acciai ad alta resistenza, cordoni di saldature.</p>

<p><b>Zahnung 4 (Diamant):</b> Hohe Oberflächengüte für gehärtete Stähle, Schweißnähte hoher Festigkeit.</p> <p><b>Cut 4 (diamond):</b> Suitable for hardened steels with excellent surface quality and welding seams with high tensile strength.</p> <p><b>Dentatura 4 (diamante):</b> Ottima finitura delle superficie su acciai temprati, e saldature alta resistenza.</p>	<p><b>Zahnung 6 (DIN MX):</b> Mit dieser Universalverzahnung werden auch bei härtesten Werkstoffen und Schweißnähten glatte Oberflächen erzielt, ideal für den Werkzeug- und Formenbau.</p> <p><b>Cut 6 (DIN MX):</b> With this universal cutting profile even hardest materials and welding seams can be machined with best finishing quality. Ideal for the tool and mould industry</p> <p><b>Dentatura 6 (DIN MX):</b> Questa dentatura universale permette di ottenere delle superfici ottimali anche su acciai e saldature ad alta resistenza; ideale per acciai da utensili e acciai da stampi.</p>



Hartmetall-Frässtifte  
Tungsten carbide rotary burrs  
Frese rotative in metallo duro