

diamant/cbn industrie

Profilscheiben TYPE 43
Profile wheels

**Centerless-Schleifscheiben,
mehrlagig** TYPE 47
*Centerless-grinding wheels,
multilayer*

Abrichtrollen TYPE 49
Roller truers

Zahnflankenschleifscheiben TYPE 44
Gear grinding wheels

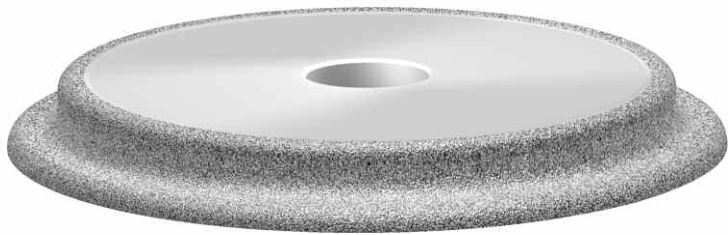
Zahnradbeschichtungen TYPE 45
Plating of gears

Finzler, Schrock & Kimmel GmbH
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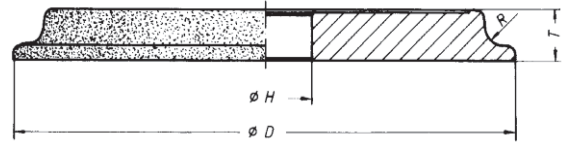


Schleifscheiben

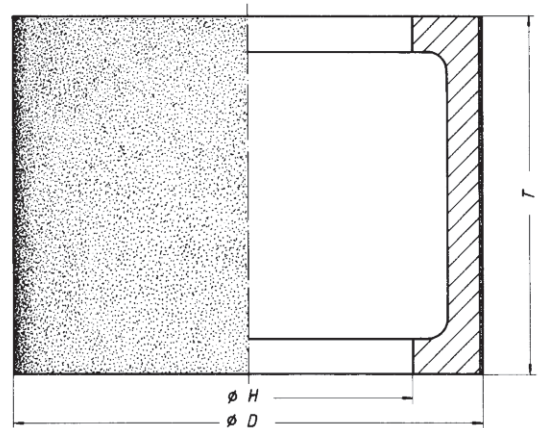
Grinding wheels



TYPE 43 - Profilscheiben /
Profile wheels

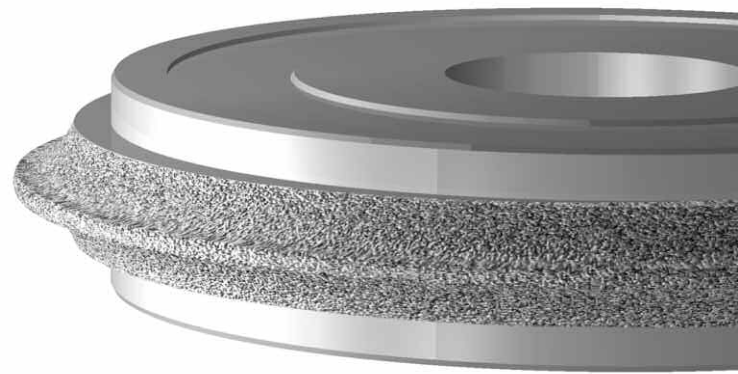
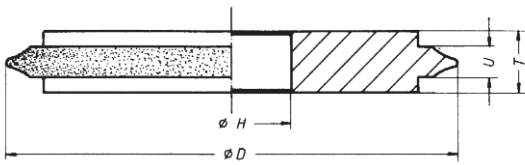


TYPE 47 - Centerless-Schleifscheiben,
mehrlagig
*Centerless-grinding wheels,
multilayer*

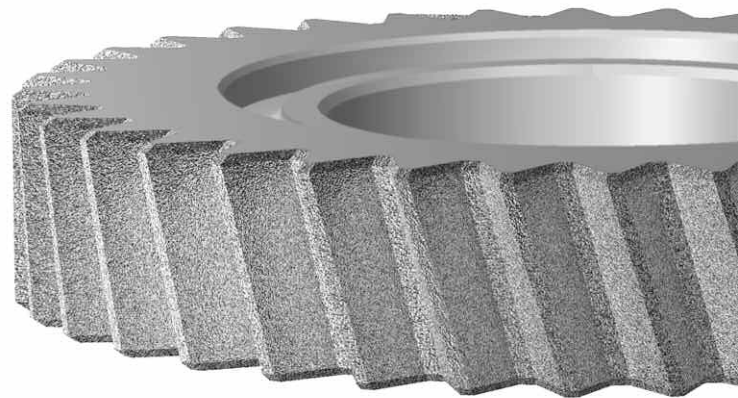
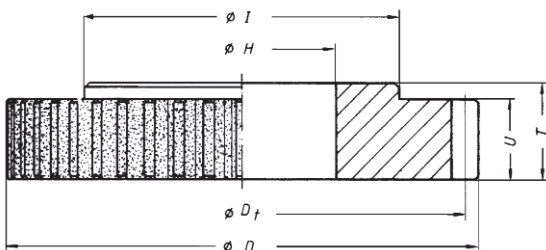


Verzahnungswerkzeuge Grinding and honing tools

TYPE 44 - Zahnflankenschleifscheiben /
Gear grinding wheels

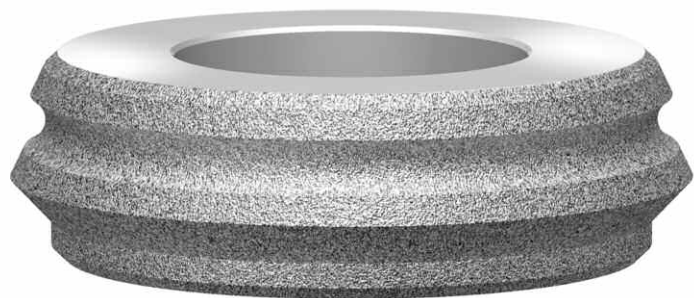


TYPE 45 - Zahnradbeschichtungen /
Plating of gears

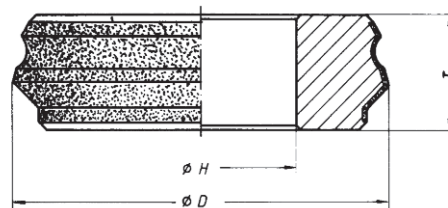


Abrichtrollen

Roller truers



TYPE 49 - Abrichtrollen / *Roller truers*



diamant/cbn industrie

Schleifstifte TYPE 50
Mandrels

Schleifstifte TYPE 51
Mandrels

Schleifstifte mit Hartmetallschaft TYPE 55
Mandrels with tungsten carbide shank

Finzler, Schrock & Kimmel GmbH
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TYPE 50 - Schleifstifte Mandrels

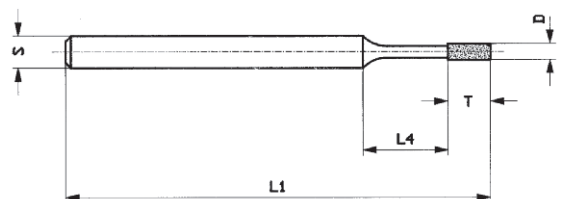
Bestell-Nr. Order-No.	Standardkörnungen Grit sizes					
	D (mm)	T (mm)	S (mm)	L1 (mm)	L4 (mm)	
IF50 005 02	0,5	2	3	40	6	D/B 91
IF50 006 02	0,6	2	3	40	7	
IF50 006 04	0,6	4	3	40	5	D/B 91 D/B 126 D/B 151
IF50 007 02	0,7	2	3	40	7	
IF50 007 04	0,7	4	3	40	5	
IF50 008 02	0,8	2	3	40	7	
IF50 008 04	0,8	4	3	40	5	
IF50 009 04	0,9	4	3	40	6	
IF50 010 04	1,0	4	3	40	6	
IF50 012 04	1,2	4	3	40	8	
IF50 015 04	1,5	4	3	40	10	
IF50 017 04	1,7	4	3	40	10	
IF50 020 04	2,0	4	3	40	12	D/B 91 D/B 126 D/B 151 B 181 B 252
IF50 025 04	2,5	4	3	40	12	
IF50 030 05	3,0	5	3	40	15	
IF50 035 05	3,5	5	3	50	-	
IF50 040 05	4,0	5	3	50	-	
IF50 045 05	4,5	5	3	50	-	
IF50 050 07	5,0	7	3	50	-	
IF50 060 07	6,0	7	6	60	13	
IF50 061 07	6,0	7	6	80	13	
IF50 070 08	7,0	8	6	60	-	
IF50 071 08	7,0	8	6	80	-	
IF50 080 10	8,0	10	6	60	-	
IF50 081 10	8,0	10	6	80	-	
IF50 100 10	10,0	10	6	60	-	
IF50 101 10	10,0	10	6	80	-	
IF50 120 10	12,0	10	6	60	-	
IF50 121 10	12,0	10	6	80	-	
IF50 150 10	15,0	10	6	60	-	
IF50 151 10	15,0	10	6	80	-	

INFO

Empfohlene Einspannlänge $L_3 = 0,5 \times L_1$
 Recommended clamping length $L_3 = 0,5 \times L_1$

TOLERANZEN, TOLERANCES

Schaft, <i>shank</i>		h7
Längen, <i>lengths</i>		$\pm 0,30$ mm
Durchmesser, <i>diameter</i>	91	+0,10 -0,20
	126	+0,15 -0,15
	151	+0,25 -0,05
	181	+0,35 +0,05
	252	+0,45 +0,15



TYPE 51 - Schleifstifte Mandrels

Bestell-Nr.
Order-No.

Standardkörnungen
Grit sizes

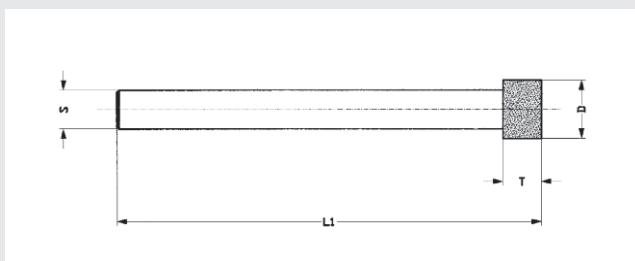
	D (mm)	T (mm)	S (mm)	L1 (mm)	L4 (mm)	
IF51 030 05	3,0	5	3,0	70	16	
IF51 035 05	3,5	5	3,0	75	-	
IF51 040 05	4,0	5	3,5	75	-	
IF51 045 06	4,5	6	4,0	75	-	
IF51 050 07	5,0	7	4,5	75	-	
IF51 055 07	5,5	7	5,0	75	-	
IF51 060 08	6,0	8	5,5	80	-	D/B 91
IF51 065 08	6,5	8	6,0	80	-	D/B 126
IF51 075 08	7,5	8	6,0	80	-	D/B 151
IF51 080 08	8,0	8	6,0	80	-	D/B 181
IF51 085 08	8,5	8	6,0	80	-	B 252
IF51 090 10	9,0	10	8,0	100	-	
IF51 095 10	9,5	10	8,0	100	-	
IF51 100 10	10,0	10	8,0	100	-	
IF51 110 10	11,0	10	10,0	110	-	
IF51 120 10	12,0	10	10,0	110	-	
IF51 130 10	13,0	10	10,0	110	-	
IF51 140 10	14,0	10	10,0	110	-	
IF51 150 10	15,0	10	10,0	110	-	

INFO

Empfohlene Einspannlänge $L_3 = 0,5 \times L_1$
Recommended clamping length $L_3 = 0,5 \times L_1$

TOLERANZEN, TOLERANCES

Schaft, <i>shank</i>		h7
Längen, <i>lengths</i>		$\pm 0,30$ mm
Durchmesser, <i>diameter</i>	91	+0,10 -0,20
	126	+0,15 -0,15
	151	+0,25 -0,05
	181	+0,35 +0,05
	252	+0,45 +0,15



TYPE 55 - Schleifstifte mit Hartmetallschaft Mandrels with tungsten carbide shank

Bestell-Nr.	D	T	S	L1	L4	Korngröße (D oder B)
Order-No.	(mm)	(mm)	(mm)	(mm)	(mm)	Standard grit (D or B)
IK 55 004 04	0,4	3	3	40	5	64
IK 55 005 04	0,5	3	3	40	6	76
IK 55 006 04	0,6	4	3	40	5	91 126
IK 55 007 04	0,7	4	3	40	5	91 126 151
IK 55 008 04	0,8	4	3	40	5	91 126 151
IK 55 009 04	0,9	4	3	40	6	91 126 151
IK 55 010 04	1,0	4	3	40	16	91 126 151
IK 55 012 04	1,2	4	3	40	16	91 126 151
IK 55 015 04	1,5	4	3	40	16	91 126 151
IK 55 017 04	1,7	4	3	40	16	91 126 151
IK 55 020 04	2,0	4	3	40	16	91 126 151
IK 55 022 04	2,2	4	3	40	16	91 126 151
IK 55 025 04	2,5	4	3	40	16	91 126 151
IK 55 030 05	3,0	5	3	75	15	91 126 151
IK 55 032 05	3,2	5	3	75		91
IK 55 033 05	3,3	5	3	75		126
IK 55 034 05	3,4	5	3	75		151
IK 55 035 05	3,5	5	3	75		91 126 151
IK 55 040 05	4,0	5	3	75		91 126 151
IK 55 042 05	4,2	5	4	75		91
IK 55 043 05	4,3	5	4	75		126

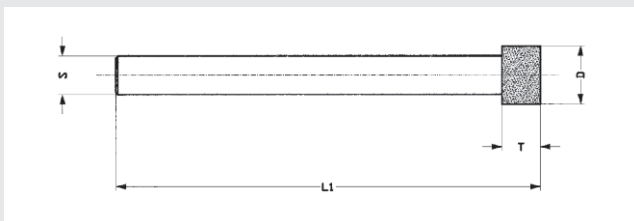
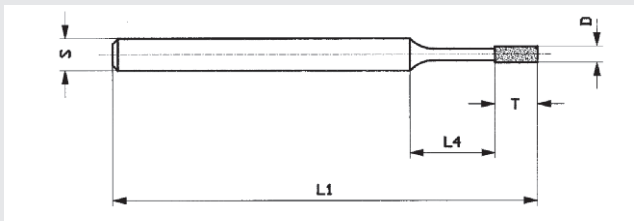
Bestell-Nr.	D	T	S	L1	L4	Korngröße (D oder B)
Order-No.	(mm)	(mm)	(mm)	(mm)	(mm)	Standard grit (D or B)
IK 55 045 05	4,5	5	3	75		91 126 151
IK 55 050 05	5,0	5	3	75		91 126 151
IK 55 060 06	6,0	6	6	100	36	91 126 151
IK 55 062 06	6,2	6	6	100		91
IK 55 063 06	6,3	6	6	100		126
IK 55 064 06	6,4	6	6	100		151
IK 55 070 08	7,0	8	6	100		91 126 151
IK 55 080 08	8,0	8	6	100		91 126 151
IK 55 082 08	8,2	8	8	100		91
IK 55 083 08	8,3	8	8	100		126
IK 55 084 08	8,4	8	8	100		151
IK 55 100 10	10,0	10	8	100		91 126 151
IK 55 102 10	10,2	10	10	110		91
IK 55 103 10	10,3	10	10	110		126
IK 55 104 10	10,4	10	10	110		151
IK 55 120 10	12,0	10	10	110		91 126 151
IK 55 130 10	13,0	10	10	110		91 126 151
IK 55 140 10	14,0	10	10	110		91 126 151
IK 55 150 10	15,0	10	10	110		91 126 151

INFO

Empfohlene Einspannlänge $L_3 = 0,4 \times L_1$
 Recommended clamping length $L_3 = 0,4 \times L_1$

TOLERANZEN, TOLERANCES

Schaft, *shank* h6
 Längen, *lengths* $\pm 0,20$ mm
 Durchmesser, *diameter* ($D \leq 2$ mm) $\pm 0,05$ mm
 Durchmesser, *diameter* ($D > 2$ mm) $\pm 0,10$ mm



diamant/cbn industrie



Schleifstifte der Marke D+Z
D+Z trade mark mandrels

D+Z Schleifstifte
D+Z Mandrels

TYPE 50

D+Z Schleifstifte
D+Z Mandrels

TYPE 51

D+Z Kugelschleifstifte
D+Z Ball-end grinding points

TYPE 54

Diamant und CBN (Cuboron 1000®)
Diamond and CBN (Cuboron 1000®)

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e-Mail: industrie@fis-online.com
Internet: www.fis-online.com



TYPE 50 - Schleifstifte (kurze Schäfte) / Mandrels (short shanks)

Bestell-Nr. FIS Order-No.	Bestell-Nr. D+Z Order-No.	D mm	T mm	S mm	L1	L4	Diamant- und CBN-(Cuboron 1000®) Korngrößen diamond and CBN (Cuboron 1000®) grit sizes									
							D76	D107	D126	D181	B76	B107	B151	B251		
ID5000503	830	0,5	3	3	40	5	O					O				
ID5000603	831	0,6	3	3	40	6	O					O				
ID5000703	832	0,7	3	3	40	6	O	O	O			O	O			
ID5000803	833	0,8	3	3	40	6	O	O	O			O	O			
ID5000903	834	0,9	3	3	40	7	O	O	O			O	O			
ID5001003	835	1,0	3	3	40	7	O	O	O			O	O			
ID5001203	836	1,2	3	3	40	9	O	O	O			O	O			
ID5001504	837	1,5	4	3	40	10	O	O	O			O	O			
ID5001804	838	1,8	4	3	40	10	O	O	O			O	O	O		
ID5002004	839	2,0	4	3	40	12	O	O	O			O	O	O		
ID5002504	840	2,5	4	3	40	15	O	O	O			O	O	O		
ID5003005	841	3,0	5	3	40	15	O	O		O		O	O	O	O	
ID5003505	842	3,5	5	3	50		O	O		O		O	O	O	O	
ID5004005	843	4,0	5	3	50		O	O		O		O	O	O	O	
ID50040L5	843/L	4,0	5	3	75		O	O				O	O	O	O	
ID5004505	844	4,5	5	3	50		O	O		O		O	O	O	O	
ID50045L5	844/L	4,5	5	3	75		O	O		O		O	O	O		
ID50045B5	844/B	4,5	5	6	60	27	O	O		O		O	O	O	O	
ID5005005	845	5,0	5	3	50		O	O				O	O	O	O	
ID50050L5	845/L	5,0	5	3	75		O	O				O	O	O	O	
ID50050B5	845/B	5,0	5	6	60	27	O	O		O		O	O	O	O	
ID5006006	846	6,0	6	6	60	25	O	O		O		O	O	O	O	
ID50060L6	846/L	6,0	6	6	100	65	O	O		O		O	O	O	O	
ID5007008	847	7,0	8	6	60		O	O		O		O	O	O	O	
ID50070L8	847/L	7,0	8	6	100		O	O		O		O	O	O	O	
ID5008008	848	8,0	8	6	60		O	O		O		O	O	O	O	
ID5009010	855	9,0	10	6	60		O	O		O		O	O	O	O	
ID5009L10	855/L	9,0	10	6	100		O	O		O		O	O	O	O	
ID5010005	851	10,0	5	6	60		O	O		O		O	O	O	O	
ID5010L10	849/L	10,0	10	6	100		O	O		O		O	O	O	O	
ID5012005	852	12,0	5	6	60		O	O		O		O	O	O	O	
ID5012010	854	12,0	10	6	60		O	O		O		O	O	O	O	
ID5012L10	854/L	12,0	10	6	100		O	O		O		O	O	O	O	
ID5015005	853	15,0	5	6	60		O	O		O		O	O	O	O	
ID5015010	850	15,0	10	6	60		O	O		O		O	O	O	O	
ID5015L10	850/L	15,0	10	6	100		O	O		O		O	O	O	O	

O = Standardabmessung / O = standard dimension

INFO

Standardkörnungen, <i>standard grit</i>	D76	D107	D181	
Körnungs-Code, <i>grit-code</i>	[../1]	[../2]	[../3]	
	B76	B107	B151	B251
	[../4]	[../5]	[../6]	[../7]

Empfohlene Einspannlänge,
Recommended clamping length

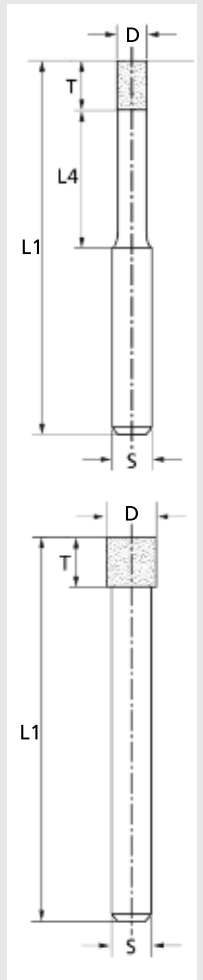
$$L_3 = 0,5 \times L_1$$

TOLERANZEN, TOLERANCES

Schaft, <i>shank</i>	h7
Längen, <i>lengths</i>	± 0,20 mm
Durchmesser, <i>diameter</i>	91 +0,10 -0,20
	126 +0,15 -0,15
	151 +0,25 -0,05
	181 +0,35 +0,05
	252 +0,45 +0,15

TYPE 51 - Schleifstifte (lange Schäfte) / Mandrels (long shanks)

Bestell-Nr. FIS Order-No.	Bestell-Nr. D+Z Order-No.	D	T	S	L1	L4	Diamant- und CBN-(Cuboron 1000®) Korngrößen diamond and CBN (Cuboron 1000®) grit sizes							
							D76	D107	D181	B76	B107	B151	B251	
ID5103005	841/C	3,0	5	3	75	49	O	O	O	O	O	O	O	
ID5103505	842/C	3,5	5	3	75		O	O	O	O	O	O	O	
ID5104005	843/C	4,0	5	4	50	26	O	O	O	O	O	O	O	
ID51040L5	843/CL	4,0	5	4	75	49				O	O	O	O	
ID5104505	844/C	4,5	5	4	50				O	O	O	O	O	
ID51045L5	844/CL	4,5	5	4	75		O	O		O	O	O	O	
ID5105005	845/C	5,0	5	4	50		O	O	O	O	O	O	O	
ID51050L5	845/CL	5,0	5	4	75		O	O	O	O	O	O	O	
ID5108008	848/C	8,0	8	6	100		O	O	O	O	O	O	O	
ID51080L8	848/CL	8,0	8	8	100	63		O	O	O	O	O	O	
ID5109010	855/C	9,0	10	8	100		O	O	O	O	O	O	O	
ID5110010	849/C	10,0	10	8	110		O	O	O	O	O	O	O	
ID5111010	856/C	11,0	10	10	110		O	O	O	O	O	O	O	
ID5111210	854/C	12,0	10	10	110		O	O	O	O	O	O	O	
ID5111310	857/C	13,0	10	10	110		O	O	O	O	O	O	O	
ID5111410	858/C	14,0	10	10	110		O	O	O	O	O	O	O	
ID5111510	850/C	15,0	10	10	110		O	O	O	O	O	O	O	
ID5111610	859/C	16,0	10	10	110		O	O	O	O	O	O	O	
ID5111810	860/C	18,0	10	10	110		O	O	O	O	O	O	O	
ID5120010	861/C	20,0	10	10	110		O	O	O	O	O	O	O	
ID5122010	862/C	22,0	10	10	110		O	O	O	O	O	O	O	
ID5125010	863/C	25,0	10	10	110		O	O	O	O	O	O	O	



O = Standardabmessung / O = standard dimension

INFO

Standardkörnungen, Standard grit	D76	D107	D181	
	[./1]	[./2]	[./3]	
Körnungs-Code, Grit-code	B76	B107	B151	B251
	[./4]	[./5]	[./6]	[./7]

Empfohlene Einspannlänge,
Recommended clamping length $L_3 = 0,5 \times L_1$

TOLERANZEN, TOLERANCES

Schaft, shank		h7
Längen, lengths		$\pm 0,20$ mm
Durchmesser, diameter	91	+0,10 -0,20
	151	+0,25 -0,05
	181	+0,35 +0,05
	252	+0,45 +0,15



diamant/cbn industrie

Schleifkegel
Reamers (conic male), 14%

TYPE 70

Schleifhülse
Reamers (conic female), 14%

TYPE 72

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TYPE 70 - Schleifkegel 14%
Reamers (conic male), 14%

D1 (mm)	D2 (mm)	T (mm)	Nuten, Grooves	
			Anzahl Number	Breite (mm) Width (mm)
11,5	4,5	50	2	2
12,0	5,0	50	2	2
13,0	6,0	50	3	2
14,0	7,0	50	3	2
15,0	8,0	50	3	3
16,0	9,0	50	3	3
17,0	10,0	50	3	3
18,0	11,0	50	3	3
19,0	12,0	50	3	3
20,0	13,0	50	5	3
21,0	14,0	50	5	3
22,0	15,0	50	5	3
23,0	16,0	50	5	3
24,0	17,0	50	5	3
25,0	18,0	50	5	3
26,0	19,0	50	5	3
27,0	20,0	50	5	3
28,0	21,0	50	7	3
29,0	22,0	50	7	3
30,0	23,0	50	7	3
31,0	24,0	50	7	3
32,0	25,0	50	7	3

TYPE 72 - Schleifhülsen 14%
Reamers (conic female), 14%

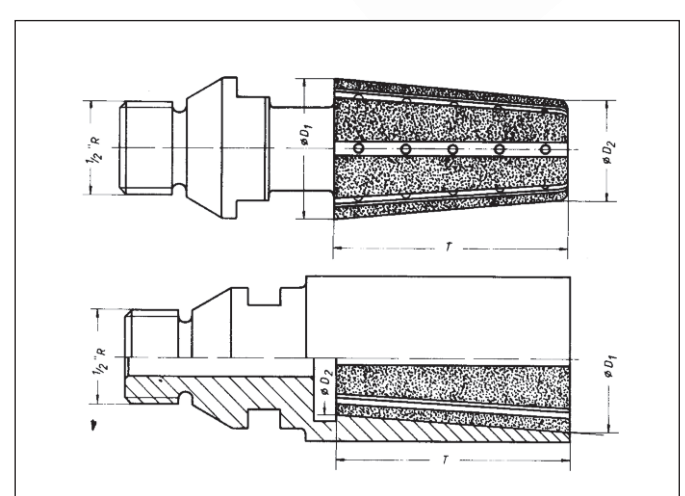
D1 (mm)	D2 (mm)	T (mm)	Nuten, Grooves	
			Anzahl Number	Breite (mm) Width (mm)
11,7	7,5	30	3	3
12,7	8,5	30	5	3
13,7	9,5	30	5	3
14,7	10,5	30	5	3
15,7	11,5	30	5	3
16,7	12,5	30	5	3
17,7	13,5	30	5	3
18,7	14,5	30	5	3
19,5	15,5	50	5	3
20,5	16,5	50	5	3
21,5	17,5	50	5	3
22,5	18,5	50	5	3
23,5	19,5	50	5	3
24,5	20,5	50	5	3
25,5	21,5	50	5	3
26,5	22,5	50	5	3
27,5	23,5	50	5	3
28,5	24,5	50	7	3
29,5	25,5	50	7	3
30,5	26,5	50	7	3
31,5	27,5	50	7	3
32,5	28,5	50	7	3

INFO

Andere Steigungen und Abmessungen auf Anfrage
Other gradients and dimensions on request

TOLERANZEN, TOLERANCES

Durchmesser, diameter $\pm 0,05$ mm
 Winkel, angle $\pm 10'$



Certified quality:
 DIN EN ISO 9001:2008

diamant/cbn industrie



Marke D+Z

D+Z trade mark

**D+Z Schleifstifte
in Sonderausführung**

*D+Z Grinding points
with special design*






TYPE D 3000

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TYPE D 3000 - D+Z Schleifstifte in Sonderausführung

D+Z Grinding points with special design

Bestell-Nr. FIS Order-No.	ISO-Norm	Bestell-Nr. D+Z Order-No.	Form Shape	D mm	T mm	S mm
D001010D0112	104.001.524.010	3004		1,0		2,35
D001012D0112	104.001.524.012	3037		1,2		2,35
D001014D0112	104.001.524.014	3046		1,4		2,35
D001016D0112	104.001.524.016	3000		1,6		2,35
D001018D0112	104.001.524.018	3096		1,8		2,35
D001021D0112	104.001.524.021	3029		2,1		2,35
D001023D0112	104.001.524.023	3014		2,3		2,35
D001027D0112	104.001.524.027	3091		2,7		2,35
D001033D0112	104.001.524.033	3101		3,3		2,35
D107012D0112	104.107.524.012	3042		1,2	3,5	2,35
D107014D0112	104.107.524.014	3086		1,4	3,5	2,35
D107016D0112	104.107.524.016	3015		1,6	4,0	2,35
D110016D0112	104.110.524.016	3026		1,6	7,0	2,35
D110027D0112	104.110.524.027	3100		2,7	7,0	2,35
D172016D0112	104.172.524.016	3024		1,6	8,0	2,35
D172023D0112	104.172.524.023	3113		2,3	8,0	2,35
D245010D0112	104.245.524.010	3045		1,0	3,5	2,35
D248016D0112	104.248.524.016	3095		1,6	5,0	2,35
D249016D0112	104.249.524.016	3099		1,6	8,0	2,35
D250016D0112	104.250.524.016	3509		1,6	10,0	2,35
D250025D0112	104.250.524.025	3510		2,4	9,0	2,35
D304050D0112	104.304.524.050	3007			5,0	1,0

INFO

Standardkörnungen, <i>standard grit</i>	D126
Gesamtlänge, <i>total length</i>	44,50 mm
Schaftdurchmesser, <i>shank diameter</i>	2,35 mm

TOLERANZEN, TOLERANCES

Schaft, <i>shank</i>	h7
Längen, <i>lengths</i>	± 0,20 mm
Durchmesser, <i>diameter</i>	± 0,15 mm

Certified quality:
DIN EN ISO 9001:2008

