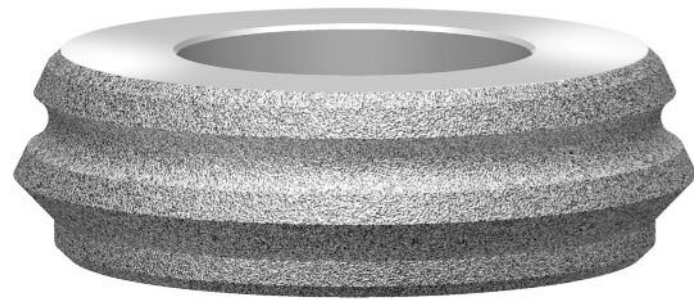
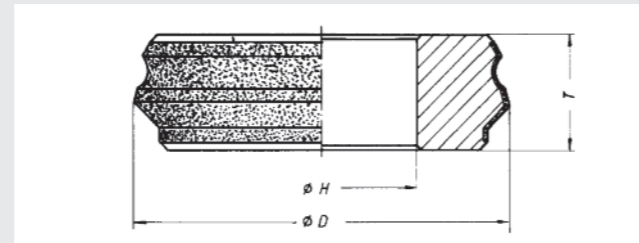


Abrichtrollen *Roller truers*



TYPE 49 - Abrichtrollen / *Roller truers*



diamant/cbn industrie

Profilscheiben
Profile wheels

TYPE 43

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

TYPE 47

Abrichtrollen
Roller truers

TYPE 49

Zahnflankenschleifscheiben
Gear grinding wheels

TYPE 44

Zahnradbeschichtungen
Plating of gears

TYPE 45

Certified quality:
DIN EN ISO 9001:2008

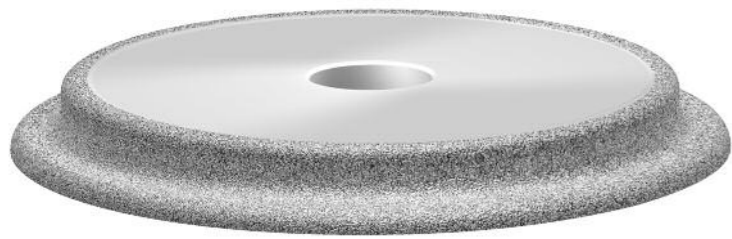
Finzler, Schrock & Kimmel GmbH
Arzbacher Straße 55-57
D-56130 Bad Ems
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Fax: +49 (0) 26 03 / 9 60 3-70
e-Mail: industrie@fis-online.com
Internet: www.fis-online.com

03/2016

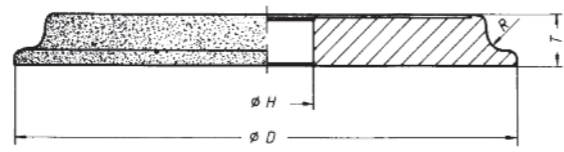


Schleifscheiben Grinding wheels

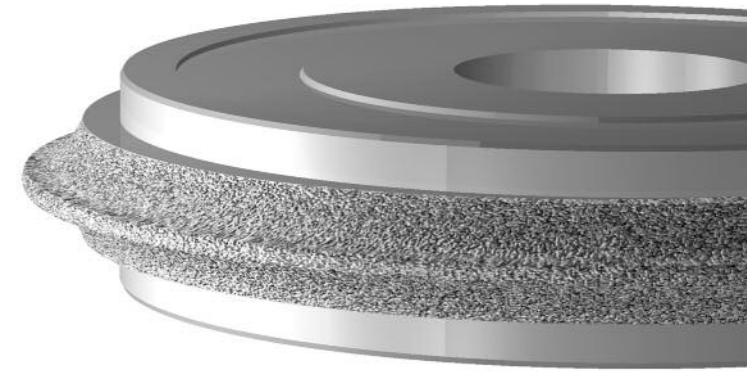
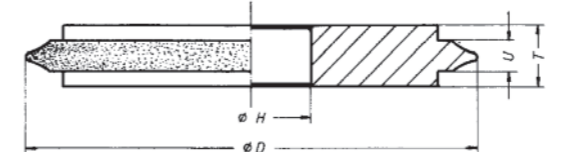
Verzahnungswerkzeuge Grinding and honing tools



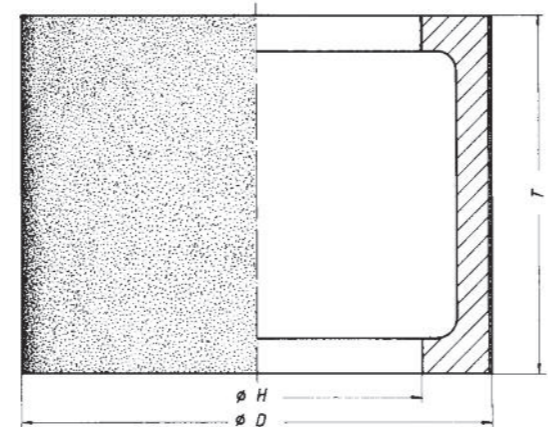
TYPE 43 - Profilscheiben /
Profile wheels



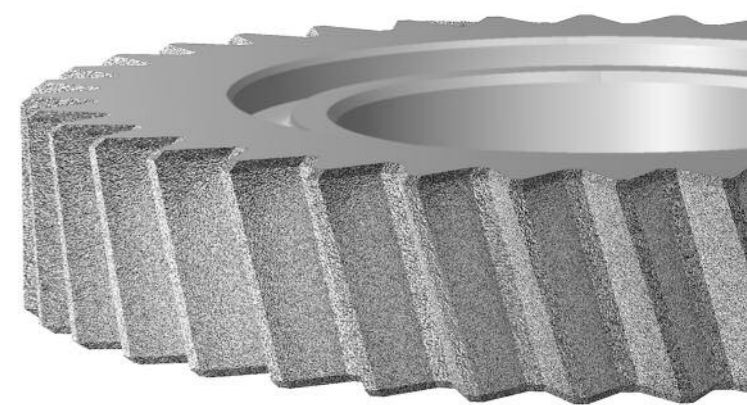
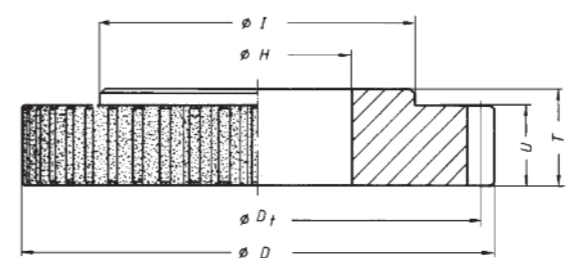
TYPE 44 - Zahnflankenschleifscheiben /
Gear grinding wheels



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



TYPE 45 - Zahnradbeschichtungen /
Plating of gears



TYPE 55 - Schleifstifte mit Hartmetallschaft
Mandrels with tungsten carbide shank

| Bestell-Nr. | D | T | S | L1 | L4 | Korngröße (D oder B) Standard grit (D or B) |
|--------------|------|------|------|------|------|--|
| Order-No. | (mm) | (mm) | (mm) | (mm) | (mm) | |
| 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 |

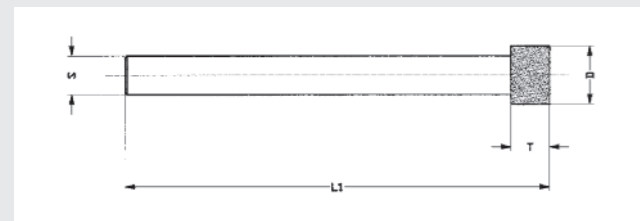
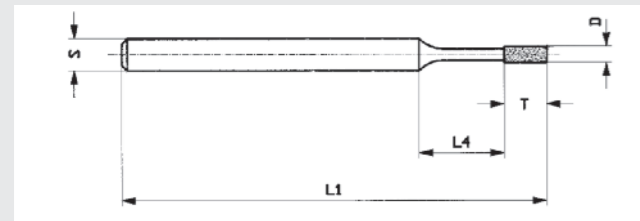
| Bestell-Nr. | D | T | S | L1 | L4 | Korngröße (D oder B) Standard grit (D or B) |
|--------------|------|------|------|------|------|--|
| Order-No. | (mm) | (mm) | (mm) | (mm) | (mm) | |
| IK 55 045 05 | 4,5 | 5 | 3 | 75 | | 91 126 151 |
| IK 55 050 05 | 5,0 | 5 | 3 | 75 | | 91 126 151 |
| IK 55 060 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



Certified quality:
 DIN EN ISO 9001:2008

diamant/cbn industrie

Schleifstifte TYPE 50
Mandrels

Schleifstifte TYPE 51
Mandrels

Schleifstifte mit Hartmetallschaft TYPE 55
Mandrels with tungsten carbide shank

03/2016

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TYPE 50 - Schleifstifte Mandrels

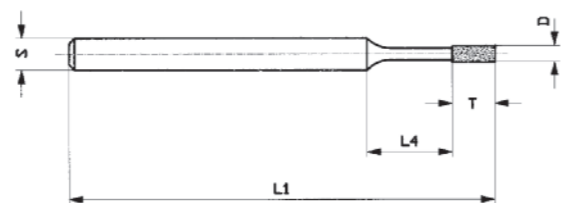
| Bestell-Nr. Order-No. | Standardkörnungen Grit sizes | | | | | |
|--------------------------|---------------------------------|-----------|-----------|------------|------------|---------|
| | D (mm) | T (mm) | S (mm) | L1 (mm) | L4 (mm) | |
| IF50 005 02 | 0,5 | 2 | 3 | 40 | 6 | |
| IF50 006 02 | 0,6 | 2 | 3 | 40 | 7 | D/B 91 |
| IF50 006 04 | 0,6 | 4 | 3 | 40 | 5 | |
| 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 | D/B 91 |
| IF50 010 04 | 1,0 | 4 | 3 | 40 | 6 | D/B 126 |
| IF50 012 04 | 1,2 | 4 | 3 | 40 | 8 | D/B 151 |
| 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 | |
| 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 | 24 | |
| IF50 061 07 | 6,0 | 7 | 6 | 80 | 24 | |
| IF50 070 08 | 7,0 | 8 | 6 | 60 | - | D/B 91 |
| IF50 071 08 | 7,0 | 8 | 6 | 80 | - | D/B 126 |
| IF50 080 10 | 8,0 | 10 | 6 | 60 | - | D/B 151 |
| IF50 081 10 | 8,0 | 10 | 6 | 80 | - | B 181 |
| IF50 100 10 | 10,0 | 10 | 6 | 60 | - | B 252 |
| 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, shank | | h7 |
|-----------------------|-----|---------------|
| Längen, lengths | | $\pm 0,30$ mm |
| Durchmesser, diameter | 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, shank | | h7 |
|-----------------------|-----|---------------|
| Längen, lengths | | $\pm 0,30$ mm |
| Durchmesser, diameter | 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 |



diamant/cbn industrie

Schleifkegel
Reamers (conic male), 14%

TYPE 70

Schleifhülse
Reamers (conic female), 14%

TYPE 72

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



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%

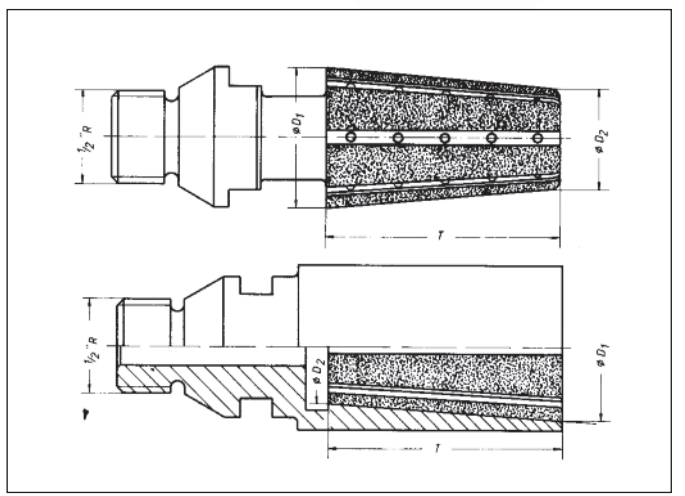
| D1 (mm) | D2 (mm) | T (mm) | Nuten, Grooves | |
|------------|------------|-----------|------------------|---------------------------|
| | | | Anzahl Number | Breite (mm) Width (mm) |
| 11,7 | 7,5 | 30 | 3 | 3 |
| 12,7 | 8,5 | 30 | 5 | 3 |
| 13,7 | 9,5 | 30 | 5 | 3 |
| 14,7 | 10,5 | 30 | 5 | 3 |
| 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

TYPE 54 - Kugelschleifstifte / Ball-end grinding points

| Bestell-Nr. FIS Order-No. | Bestell-Nr. D+Z Order-No. | D mm | S mm | L1 | L4 | Standardkörnungen, <i>standard grit</i> | | | |
|---------------------------------|---------------------------------|---------|---------|----|----|---|------|------|------|
| | | | | | | D76 | D107 | D126 | D181 |
| ID5402002 | 872 | 2,0 | 3 | 50 | 4 | 0 | 0 | 0 | |
| ID5403003 | 873 | 3,0 | 3 | 50 | 3 | 0 | 0 | | 0 |
| ID5404004 | 874 | 4,0 | 3 | 50 | | 0 | 0 | 0 | 0 |
| ID54040L4 | 874/L | 4,0 | 6 | 60 | 7 | 0 | 0 | | 0 |
| ID5405005 | 875 | 5,0 | 3 | 50 | | 0 | 0 | | 0 |
| ID54050L5 | 875/L | 5,0 | 6 | 60 | 6 | 0 | 0 | | 0 |
| ID5406006 | 876 | 6,0 | 3 | 50 | | 0 | 0 | | 0 |
| ID54060L6 | 876/L | 6,0 | 6 | 60 | 5 | 0 | 0 | | 0 |
| ID5407007 | 877 | 7,0 | 6 | 60 | | | | 0 | |
| ID5408008 | 878 | 8,0 | 6 | 60 | | | | 0 | |
| ID5409009 | 879 | 9,0 | 6 | 60 | | | | 0 | |
| ID5410010 | 880 | 10,0 | 6 | 60 | | | | 0 | |
| ID5412012 | 881 | 12,0 | 6 | 60 | | | | 0 | |

O = Standardabmessung / O = standard dimension

INFO

Standardkörnungen, *standard grit*
Körnungs-Code, *grit-code*

| | | |
|-------|-------|-------|
| D76 | D107 | D181 |
| [./1] | [./2] | [./3] |

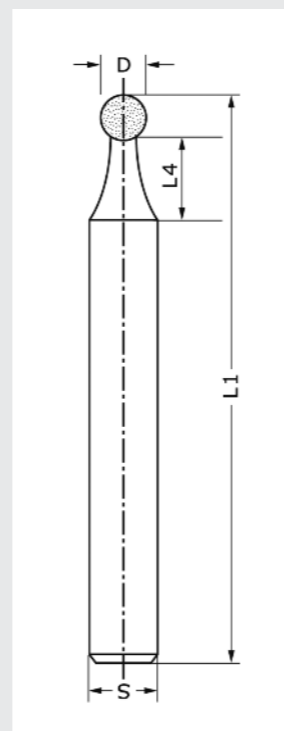
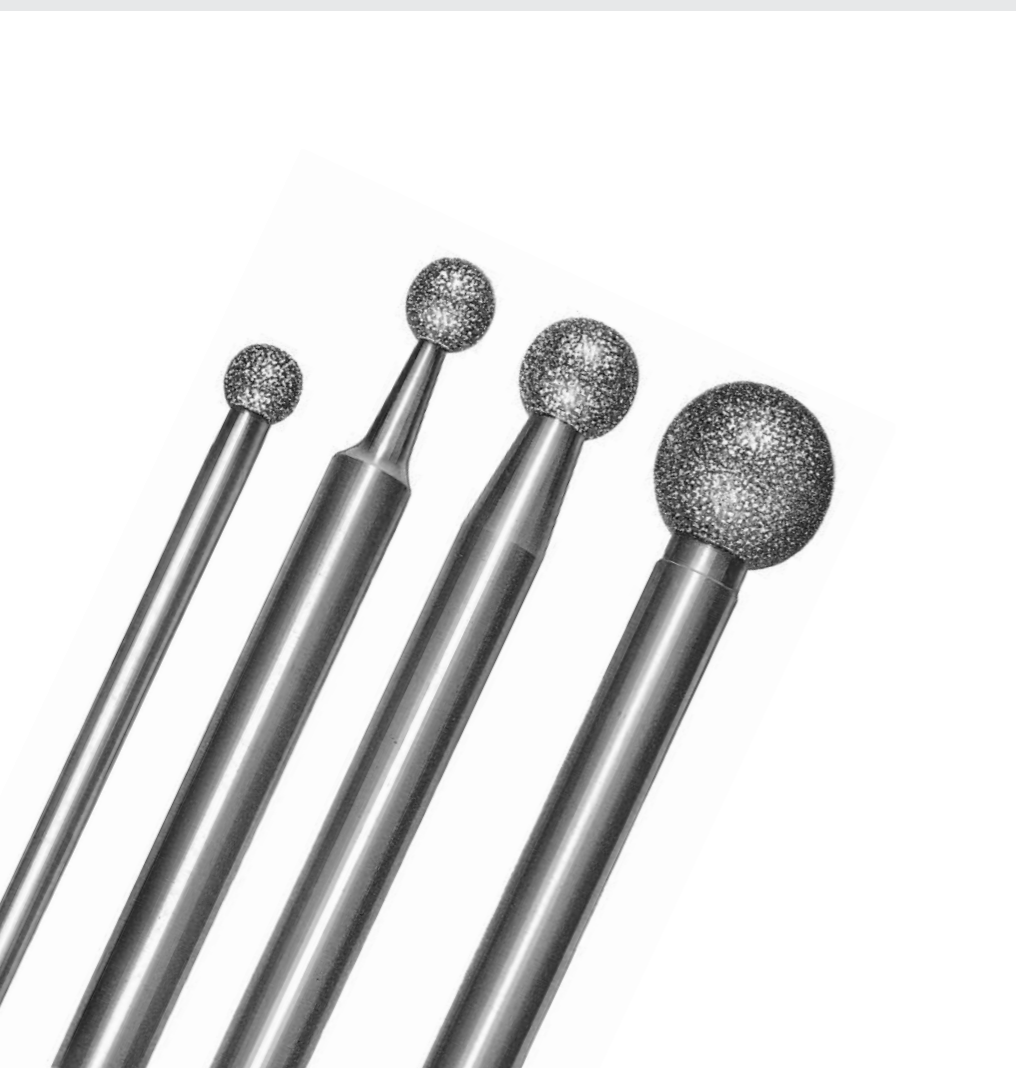
Empfohlene Einspannlänge,
Recommended clamping length

$L_3 = 0,5 \times L_1$

TOLERANZEN, TOLERANCES

Schaft, *shank*
Längen, *lengths*
Durchmesser, *diameter*

h7
 $\pm 0,20$ mm
 $\pm 0,15$ mm



Certified quality:
DIN EN ISO 9001:2008

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®)

03/2016

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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 | 8 | O | | | | | O | | | | |
| ID5000703 | 832 | 0,7 | 3 | 3 | 40 | 8 | O | O | O | | | O | O | | | |
| ID5000803 | 833 | 0,8 | 3 | 3 | 40 | 8 | 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 | 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 | 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 | O | |
| ID50050L5 | 845/L | 5,0 | 5 | 3 | 75 | | O | 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 | 24 | O | O | | O | | O | O | O | O | |
| ID50060L6 | 846/L | 6,0 | 6 | 6 | 100 | 64 | 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 | 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

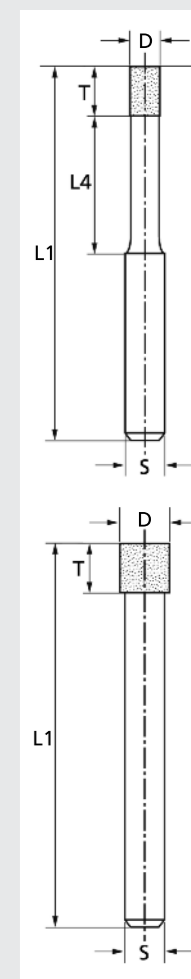
INFO

| | | | |
|---|-------|-------|-------------|
| Standardkörnungen, <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 |
| | 151 +0,25 -0,05 |
| | 181 +0,35 +0,05 |
| | 252 +0,45 +0,15 |



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

Finzler, Schrock & Kimmel GmbH
Arzbacher Straße 55-57
D-56130 Bad Ems
Tel.: +49 (0) 26 03 / 9 60 30
Fax: +49 (0) 26 03 / 9 60 3-70
e-Mail: industrie@fis-online.com
Internet: www.fis-online.com



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 | 2,35 |

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

