



























































































































I S O - N







































































































































| z=1 | | | z=2 | | z=3 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |  |
| 410-411 | 412-113 | 414-415 | 416-417 | 418-419 | 422-423 | 424-425 | 426-427 | 428-431 | 432-433 | 434-437 | 438-439 |
| $\lambda=20^\circ$ | $\lambda=25^\circ$ | $\lambda=30^\circ$ | $\lambda=20^\circ$ | $\lambda=45^\circ$ | $\lambda=20^\circ$ | $\lambda=45^\circ$ | $\lambda=44^\circ$ $\lambda=45^\circ$ $\lambda=46^\circ$ | $\lambda=44^\circ$ $\lambda=45^\circ$ $\lambda=46^\circ$ | $\lambda=44^\circ$ $\lambda=45^\circ$ $\lambda=46^\circ$ | $\lambda=44^\circ$ $\lambda=45^\circ$ $\lambda=46^\circ$ | $\lambda=44^\circ$ $\lambda=45^\circ$ $\lambda=46^\circ$ |
| Blank | Blank | Blank | Blank | Blank | Blank | Blank | Blank | Blank | Blank | Blank | ZrN |
| $c[45^\circ]$ 0,05-0,12 | $c[45^\circ]$ 0,05-0,12 | $c[45^\circ]$ 0,05-0,12 | 90° | $c[45^\circ]$ 0,05-0,20 | 90° | $c[45^\circ]$ 0,05-0,20 | 90° | r 0,10-6,35 | 90° | r 0,10-6,35 | r 0,20-0,60 |
| Dc 3-12 | Dc 3-12 | Dc 3-12 | Dc 3-20 | Dc 3-20 | Dc 3-20 | Dc 3-20 | Dc 3-25 | Dc 3-25 | Dc 3-25 | Dc 3-25 | Dc 6-25 |
| Lc 8-26 | Lc 8-26 | Lc 8-26 | Lc 8-38 | Lc 8-38 | Lc 8-38 | Lc 8-38 | Lc 7-55 | Lc 7-55 | Lc 5-42 | Lc 5-42 | Lc 15-50 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| N1 (2*) N2 (2*) | N1 (2*) N2 (2*) | N1 (2*) N2 (2*) | N1 (2*) N2 (2*) | N1 (2*) N2 (2*) | N1 (2*) N2 (2*) | N1 (2*) N2 (2*) | N1 (3*) N2 (3*) | N1 (3*) N2 (3*) | N1 (3*) N2 (3*) | N1 (3*) N2 (3*) | N1 (3*) N2 (3*) |
|  |  |  |  |  |  |  |  |  |  |  |  |
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HIGHLIGHT 1 | 4  420

HIGHLIGHT 2 | 4  421

HIGHLIGHT 3 | 4  446

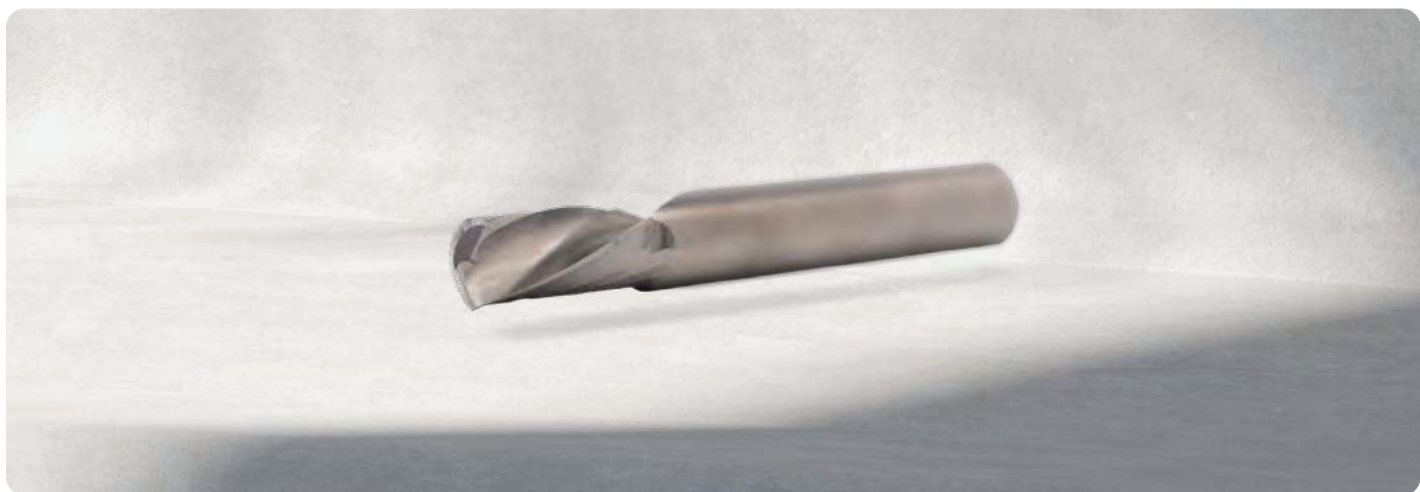
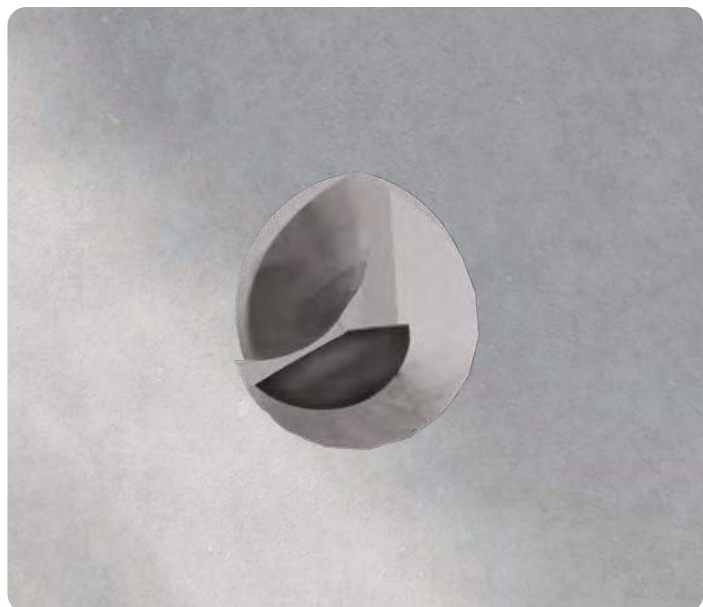
| z=3 | z=3 IK | | | z=4 | | | R | | | |
|---|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |
| 440-441 | 442-443 | 444-445 | 448-449 | 450-451 | 452-453 | 454-455 | 456-457 | 458-461 | 462-465 | 466-467 |
|  |  |  |  |  |  |  |  |  |  |  |
| ZrN | ta-C | ta-C | ZrN | ZrN | Blank | Blank | Blank | Blank | Blank | ZrN |
|  |  |  |  |  |  |  |  |  |  |  |
| Dc 6-25 | Dc 6-25 | Dc 6-25 | Dc 4-20 | Dc 4-20 | Dc 4-20 | Dc 4-20 | Dc 6-20 | Dc 3-25 | Dc 3-25 | Dc 6-25 |
| Lc 7-26 | Lc 15-50 | Lc 7-26 | Lc 12-60 | Lc 16-80 | Lc 15-60 | Lc 16-80 | Lc 13-38 | Lc 7-55 | Lc 5-42 | Lc 13-52 |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| N1 (3*) N2 (3*) | N1 (3*) N2 (3*) | N1 (3*) N2 (3*) | N1 (3*) N2 (3*) | N1 (3*) N2 (3*) | N1 (2*) N2 (2*) | N1 (3*) N2 (3*) | N1 (2*) N2 (2*) | N1 (3*) N2 (3*) | N1 (3*) N2 (3*) | N1 (3*) N2 (3*) |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
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HIGHLIGHT 4 | 4  447



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | c | z |
|-------------|-------------|------|----|----|----|----|----|------|---|
| BLC1X03020S | - | 3,0 | 6 | 8 | - | - | 57 | 0,05 | 1 |
| BLC1X04020S | - | 4,0 | 6 | 11 | - | - | 57 | 0,05 | 1 |
| BLC1X05020S | - | 5,0 | 6 | 13 | - | - | 62 | 0,05 | 1 |
| BLC1X06020S | - | 6,0 | 6 | 13 | - | - | 62 | 0,06 | 1 |
| BLC1X08020S | - | 8,0 | 8 | 19 | - | - | 70 | 0,08 | 1 |
| BLC1X10020S | - | 10,0 | 10 | 22 | - | - | 80 | 0,10 | 1 |
| BLC1X12020S | - | 12,0 | 12 | 26 | - | - | 93 | 0,12 | 1 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| - | - | - | - | - | - | - | - | - | - | - | - | - | 250 | 200 | - |

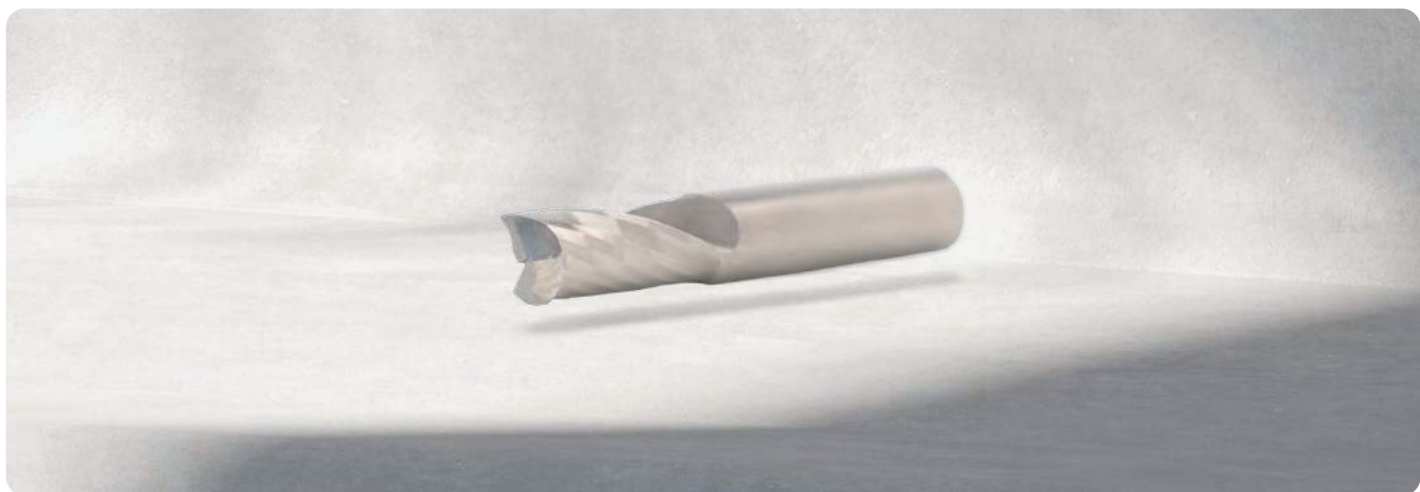
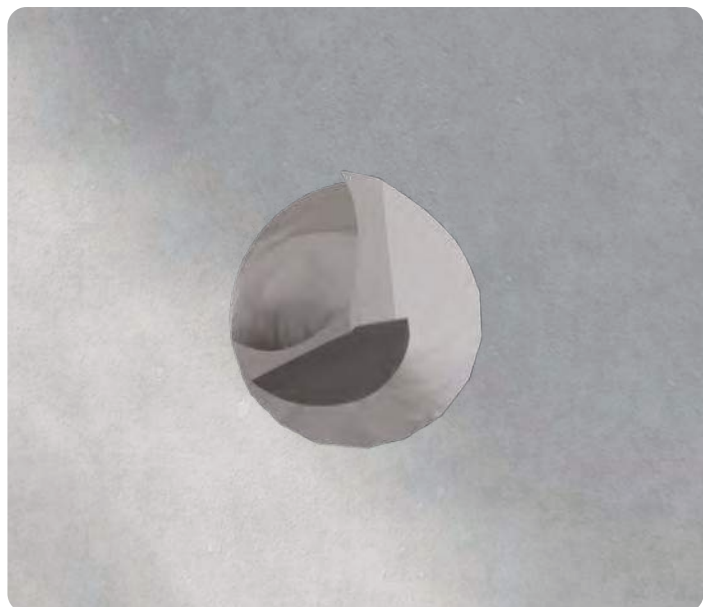


| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|----------------|
| | $0,3 * D_c$ | Lc | $0,5 * D_c$ | $0,0110 * D_c$ |
| | $0,3 * D_c$ | Lc | $1 * D_c$ | $0,0075 * D_c$ |
| | - | - | - | - |
| | - | - | - | - |
| | - | $1 * L_c$ | $1 * D_c$ | $0,0040 * D_c$ |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | c | z |
|-------------|-------------|------|----|----|----|----|----|------|---|
| BLC1S03025S | - | 3,0 | 6 | 8 | - | - | 50 | 0,05 | 1 |
| BLC1S04025S | - | 4,0 | 6 | 11 | - | - | 54 | 0,05 | 1 |
| BLC1S05025S | - | 5,0 | 6 | 13 | - | - | 54 | 0,05 | 1 |
| BLC1S06025S | - | 6,0 | 6 | 13 | - | - | 54 | 0,06 | 1 |
| BLC1S08025S | - | 8,0 | 8 | 19 | - | - | 58 | 0,08 | 1 |
| BLC1S10025S | - | 10,0 | 10 | 22 | - | - | 66 | 0,10 | 1 |
| BLC1S12025S | - | 12,0 | 12 | 26 | - | - | 73 | 0,12 | 1 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| - | - | - | - | - | - | - | - | - | - | - | - | - | 250 | 200 | - |

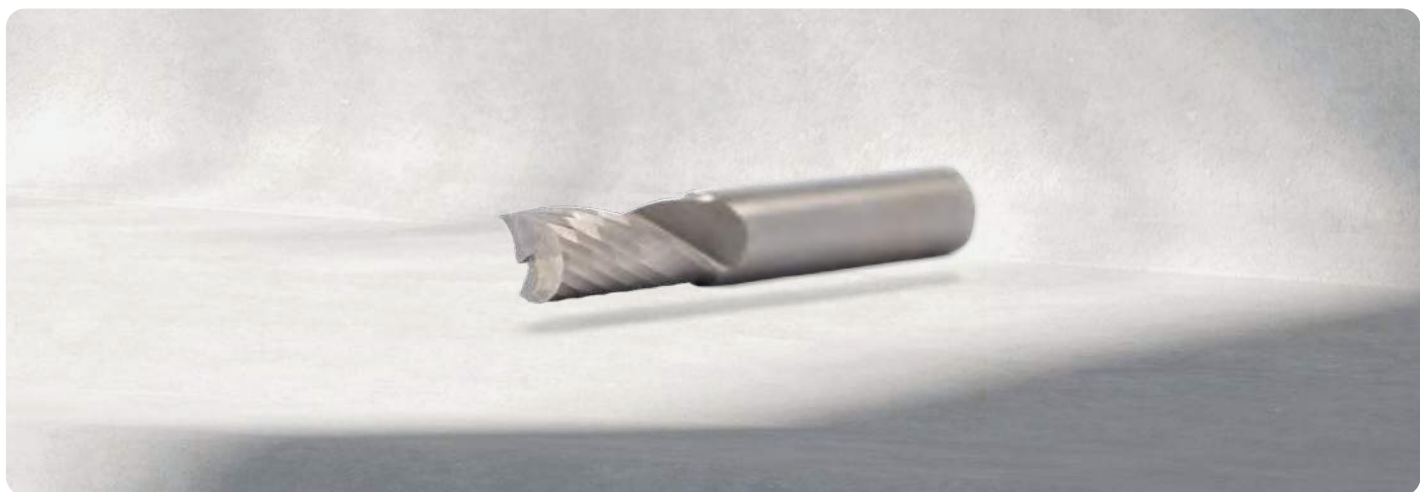
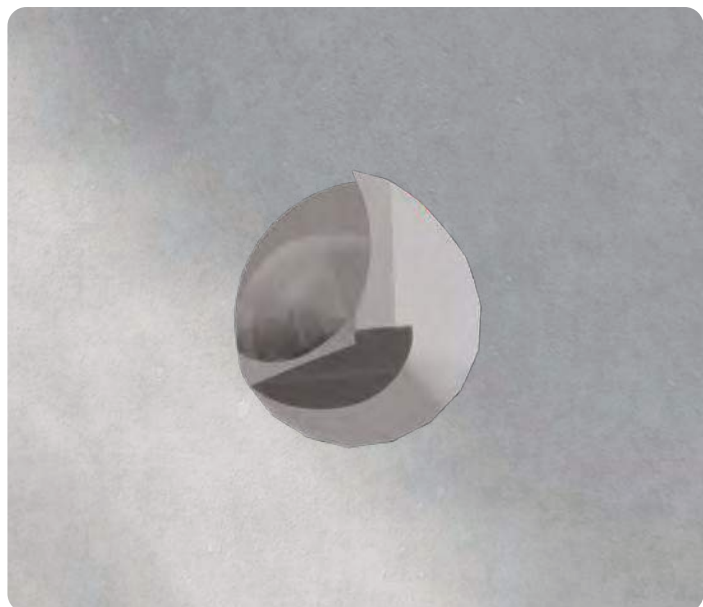


| A_p [min] | A_p [max] | A_e [max] | f_z |
|----------------|----------------|----------------|----------------|
| $0,3 * D_c$ | L_c | $0,5 * D_c$ | $0,0110 * D_c$ |
| $0,3 * D_c$ | L_c | $1 * D_c$ | $0,0075 * D_c$ |
| - | - | - | - |
| - | - | - | - |
| - | $1 * L_c$ | $1 * D_c$ | $0,0040 * D_c$ |
| - | - | - | - |
| - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | c | z |
|-------------|-------------|------|----|----|----|----|----|------|---|
| BLC1S03030S | - | 3,0 | 6 | 8 | - | - | 50 | 0,05 | 1 |
| BLC1S04030S | - | 4,0 | 6 | 11 | - | - | 54 | 0,05 | 1 |
| BLC1S05030S | - | 5,0 | 6 | 13 | - | - | 54 | 0,05 | 1 |
| BLC1S06030S | - | 6,0 | 6 | 13 | - | - | 54 | 0,06 | 1 |
| BLC1S08030S | - | 8,0 | 8 | 19 | - | - | 58 | 0,08 | 1 |
| BLC1S10030S | - | 10,0 | 10 | 22 | - | - | 66 | 0,10 | 1 |
| BLC1S12030S | - | 12,0 | 12 | 26 | - | - | 73 | 0,12 | 1 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 250 | 200 | - |



A_p
[min]

$0,3 * D_c$

$0,3 * D_c$

-

-

-

-

-

A_p
[max]

L_c

L_c

-

-

$1 * L_c$

-

-

A_e
[max]

$0,5 * D_c$

$1 * D_c$

-

-

$1 * D_c$

-

-

f_z

$0,0110 * D_c$

$0,0075 * D_c$

-

-

$0,0040 * D_c$

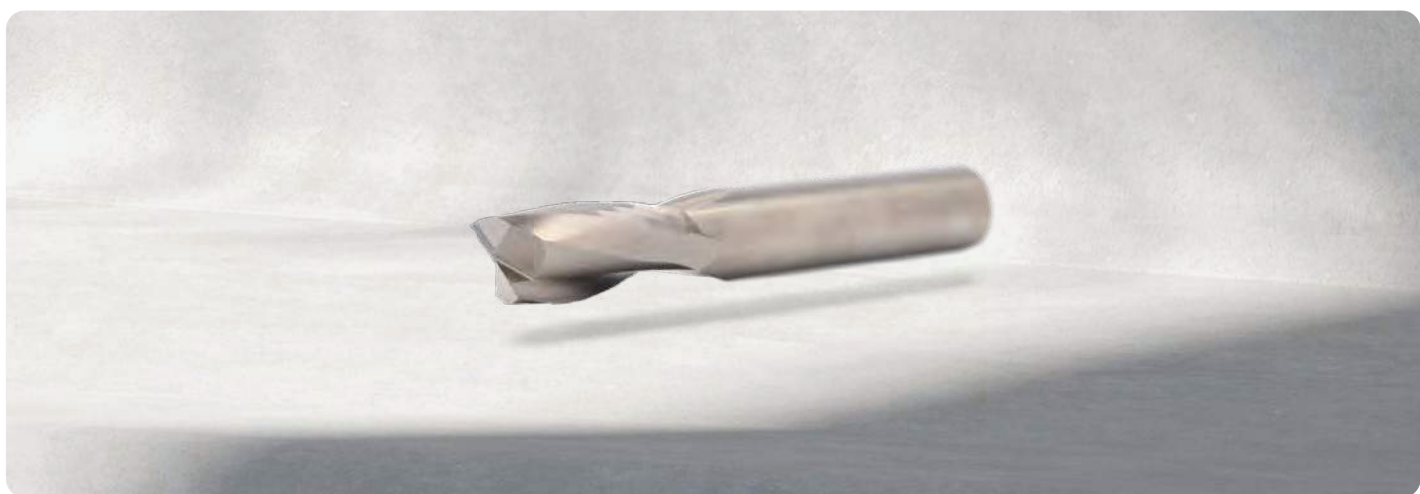
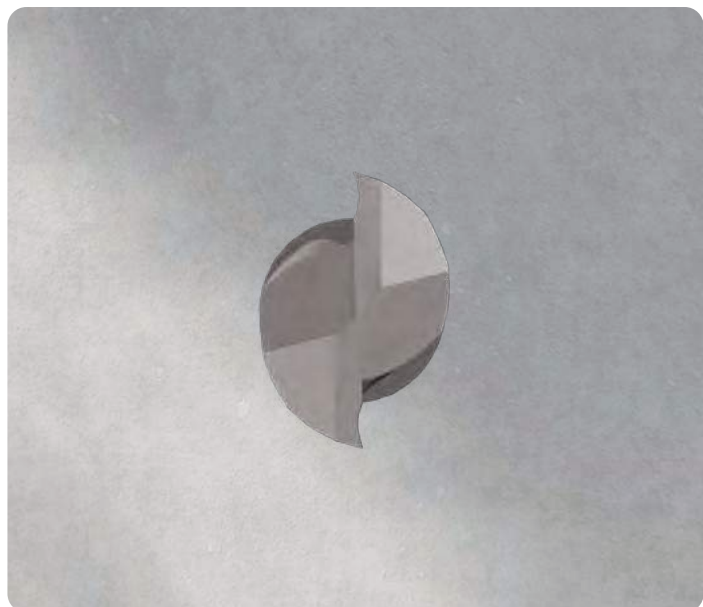
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| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r/c | z |
|-------------|-------------|------|----|----|----|----|-----|-----|---|
| BLC2L03020S | BLW2L03020S | 3,0 | 6 | 8 | - | - | 57 | - | 2 |
| BLC2L03520S | BLW2L03520S | 3,5 | 6 | 10 | - | - | 57 | - | 2 |
| BLC2L04020S | BLW2L04020S | 4,0 | 6 | 11 | - | - | 57 | - | 2 |
| BLC2L04520S | BLW2L04520S | 4,5 | 6 | 11 | - | - | 57 | - | 2 |
| BLC2L05020S | BLW2L05020S | 5,0 | 6 | 13 | - | - | 57 | - | 2 |
| BLC2L06020S | BLW2L06020S | 6,0 | 6 | 13 | - | - | 57 | - | 2 |
| BLC2L07020S | BLW2L07020S | 7,0 | 8 | 16 | - | - | 63 | - | 2 |
| BLC2L08020S | BLW2L08020S | 8,0 | 8 | 19 | - | - | 63 | - | 2 |
| BLC2L09020S | BLW2L09020S | 9,0 | 10 | 19 | - | - | 72 | - | 2 |
| BLC2L10020S | BLW2L10020S | 10,0 | 10 | 22 | - | - | 72 | - | 2 |
| BLC2L12020S | BLW2L12020S | 12,0 | 12 | 26 | - | - | 83 | - | 2 |
| BLC2L14020S | BLW2L14020S | 14,0 | 14 | 26 | - | - | 83 | - | 2 |
| BLC2L16020S | BLW2L16020S | 16,0 | 16 | 32 | - | - | 92 | - | 2 |
| BLC2L18020S | BLW2L18020S | 18,0 | 18 | 32 | - | - | 92 | - | 2 |
| BLC2L20020S | BLW2L20020S | 20,0 | 20 | 38 | - | - | 104 | - | 2 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 250 | 200 | - |

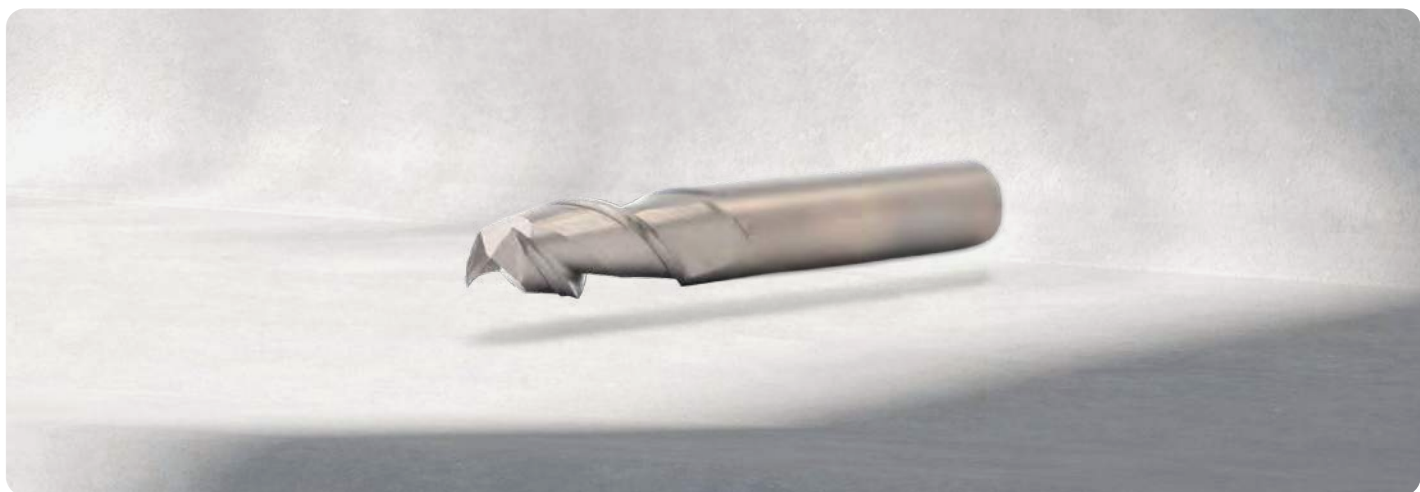


| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-----------|
| | 0,3*Dc | Lc | 0,5*Dc | 0,0110*Dc |
| | 0,3*Dc | Lc | 1*Dc | 0,0075*Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | c | z |
|-------------|-------------|------|----|----|----|----|-----|------|---|
| BLC2L03045S | BLW2L03045S | 3,0 | 6 | 8 | - | - | 57 | 0,05 | 2 |
| BLC2L03545S | BLW2L03545S | 3,5 | 6 | 10 | - | - | 57 | 0,05 | 2 |
| BLC2L04045S | BLW2L04045S | 4,0 | 6 | 11 | - | - | 57 | 0,05 | 2 |
| BLC2L04545S | BLW2L04545S | 4,5 | 6 | 11 | - | - | 57 | 0,05 | 2 |
| BLC2L05045S | BLW2L05045S | 5,0 | 6 | 13 | - | - | 57 | 0,05 | 2 |
| BLC2L06045S | BLW2L06045S | 6,0 | 6 | 13 | - | - | 57 | 0,06 | 2 |
| BLC2L07045S | BLW2L07045S | 7,0 | 8 | 16 | - | - | 63 | 0,07 | 2 |
| BLC2L08045S | BLW2L08045S | 8,0 | 8 | 19 | - | - | 63 | 0,08 | 2 |
| BLC2L09045S | BLW2L09045S | 9,0 | 10 | 19 | - | - | 72 | 0,09 | 2 |
| BLC2L10045S | BLW2L10045S | 10,0 | 10 | 22 | - | - | 72 | 0,10 | 2 |
| BLC2L12045S | BLW2L12045S | 12,0 | 12 | 26 | - | - | 83 | 0,12 | 2 |
| BLC2L14045S | BLW2L14045S | 14,0 | 14 | 26 | - | - | 83 | 0,14 | 2 |
| BLC2L16045S | BLW2L16045S | 16,0 | 16 | 32 | - | - | 92 | 0,16 | 2 |
| BLC2L18045S | BLW2L18045S | 18,0 | 18 | 32 | - | - | 92 | 0,18 | 2 |
| BLC2L20045S | BLW2L20045S | 20,0 | 20 | 38 | - | - | 104 | 0,20 | 2 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 250 | 200 | - |



| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-----------|
| | 0,3*Dc | Lc | 0,5*Dc | 0,0110*Dc |
| | 0,3*Dc | Lc | 1*Dc | 0,0075*Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



BLC3X12035XRVT200 |
□ 462-465

BLC3X12035RVNT200 |
□ 458-461

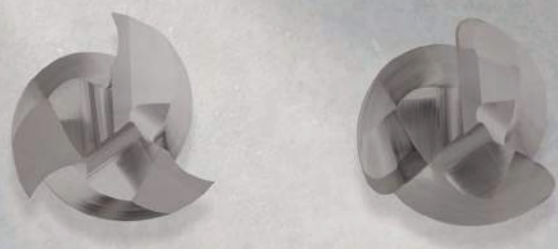
Ln
4xD

Dc
3-25

Ln
5xD

Dc
3-25

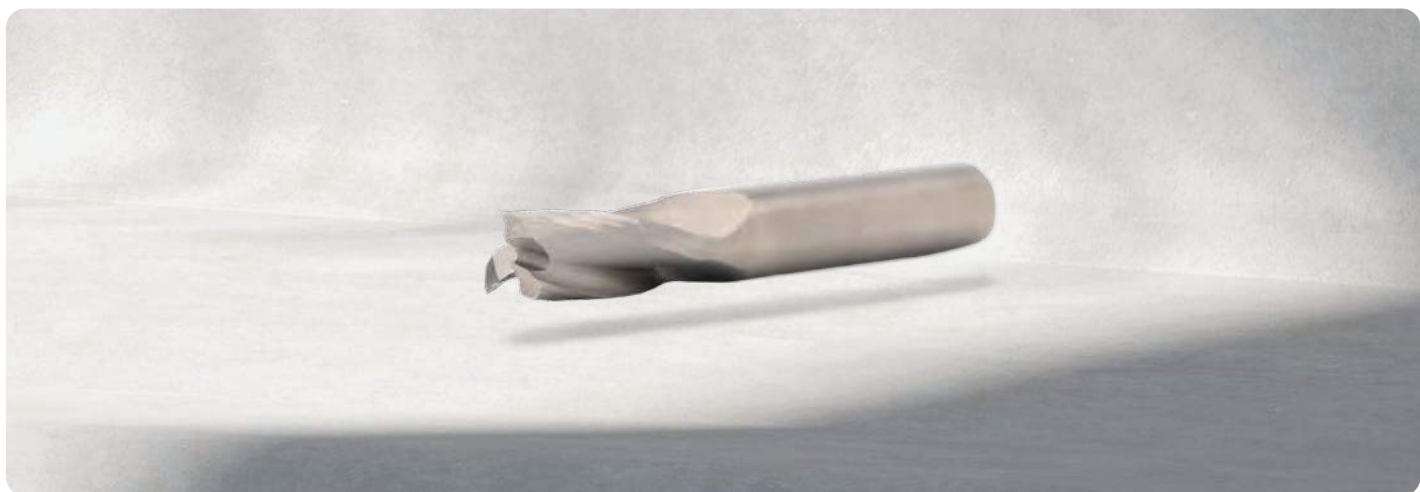
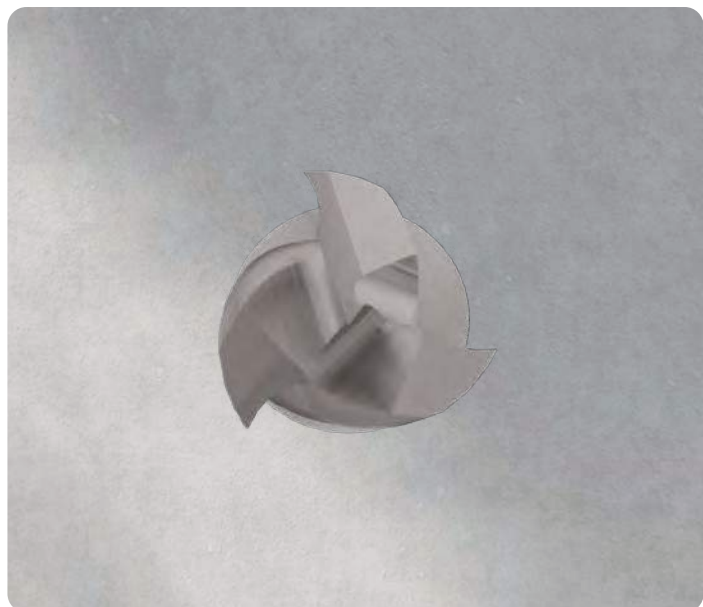













| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r/c | z |
|-------------|-------------|------|----|----|----|----|-----|-----|---|
| BLC3L03020S | BLW3L03020S | 3,0 | 6 | 8 | - | - | 57 | - | 3 |
| BLC3L03520S | BLW3L03520S | 3,5 | 6 | 10 | - | - | 57 | - | 3 |
| BLC3L04020S | BLW3L04020S | 4,0 | 6 | 10 | - | - | 57 | - | 3 |
| BLC3L04520S | BLW3L04520S | 4,5 | 6 | 11 | - | - | 57 | - | 3 |
| BLC3L05020S | BLW3L05020S | 5,0 | 6 | 13 | - | - | 57 | - | 3 |
| BLC3L06020S | BLW3L06020S | 6,0 | 6 | 13 | - | - | 57 | - | 3 |
| BLC3L08020S | BLW3L08020S | 8,0 | 8 | 19 | - | - | 63 | - | 3 |
| BLC3L10020S | BLW3L10020S | 10,0 | 10 | 22 | - | - | 72 | - | 3 |
| BLC3L12020S | BLW3L12020S | 12,0 | 12 | 26 | - | - | 83 | - | 3 |
| BLC3L14020S | BLW3L14020S | 14,0 | 14 | 26 | - | - | 83 | - | 3 |
| BLC3L16020S | BLW3L16020S | 16,0 | 16 | 32 | - | - | 92 | - | 3 |
| BLC3L18020S | BLW3L18020S | 18,0 | 18 | 32 | - | - | 92 | - | 3 |
| BLC3L20020S | BLW3L20020S | 20,0 | 20 | 38 | - | - | 104 | - | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 250 | 200 | - |

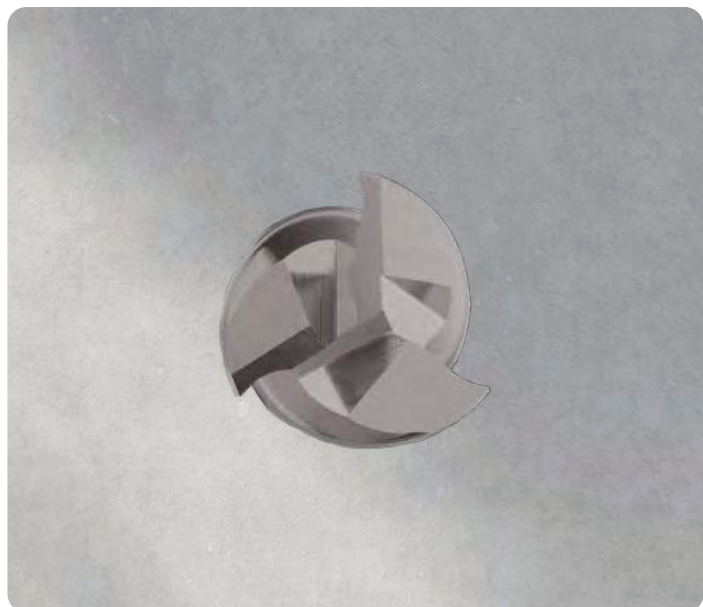


| | Ap [min] | Ap [max] | Ae [max] | fz |
|---|-------------|-------------|-------------|-----------|
|  | 0,3*Dc | Lc | 0,5*Dc | 0,0110*Dc |
|  | 0,3*Dc | Lc | 1*Dc | 0,0075*Dc |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | c | z |
|-------------|-------------|------|----|----|----|----|-----|------|---|
| BLC3L03045A | BLW3L03045A | 3,0 | 6 | 8 | - | - | 57 | 0,05 | 3 |
| BLC3L03545A | BLW3L03545A | 3,5 | 6 | 10 | - | - | 57 | 0,05 | 3 |
| BLC3L04045A | BLW3L04045A | 4,0 | 6 | 11 | - | - | 57 | 0,05 | 3 |
| BLC3L04545A | BLW3L04545A | 4,5 | 6 | 11 | - | - | 57 | 0,05 | 3 |
| BLC3L05045A | BLW3L05045A | 5,0 | 6 | 13 | - | - | 57 | 0,05 | 3 |
| BLC3L06045A | BLW3L06045A | 6,0 | 6 | 13 | - | - | 57 | 0,06 | 3 |
| BLC3L08045A | BLW3L08045A | 8,0 | 8 | 19 | - | - | 63 | 0,08 | 3 |
| BLC3L10045A | BLW3L10045A | 10,0 | 10 | 22 | - | - | 72 | 0,10 | 3 |
| BLC3L12045A | BLW3L12045A | 12,0 | 12 | 26 | - | - | 83 | 0,12 | 3 |
| BLC3L14045A | BLW3L14045A | 14,0 | 14 | 26 | - | - | 83 | 0,14 | 3 |
| BLC3L16045A | BLW3L16045A | 16,0 | 16 | 32 | - | - | 92 | 0,16 | 3 |
| BLC3L18045A | BLW3L18045A | 18,0 | 18 | 32 | - | - | 92 | 0,18 | 3 |
| BLC3L20045A | BLW3L20045A | 20,0 | 20 | 38 | - | - | 104 | 0,20 | 3 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 250 | 200 | - |

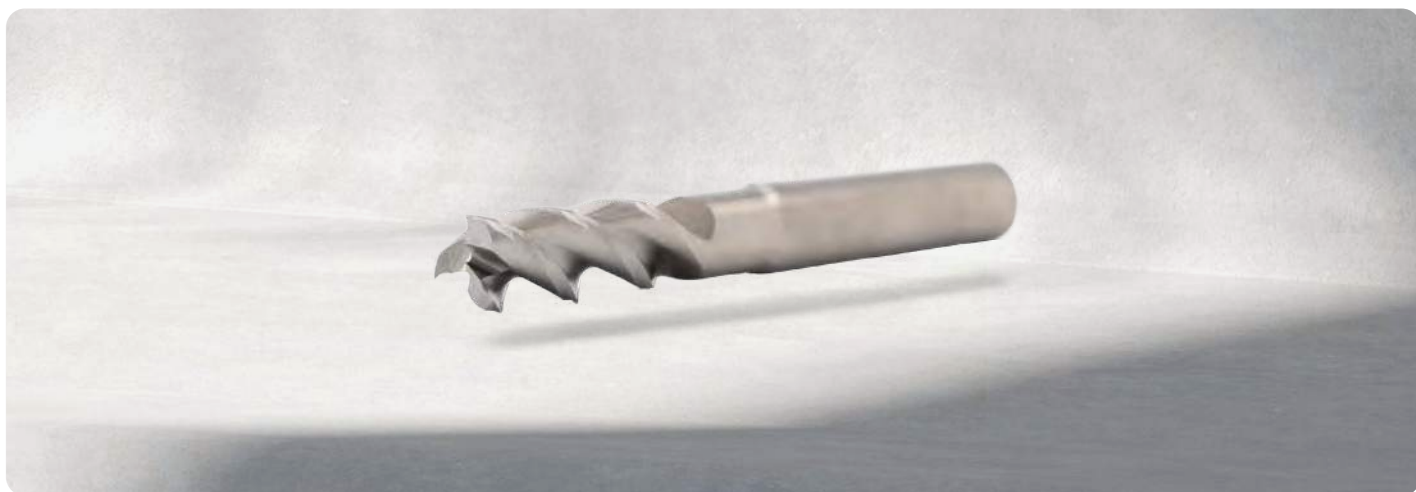
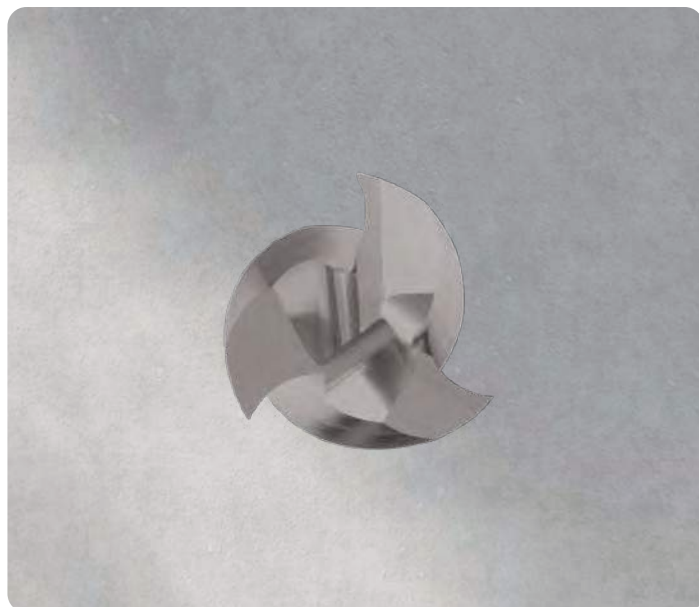


| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|----------------|
| | $0,3 * D_c$ | Lc | $0,5 * D_c$ | $0,0110 * D_c$ |
| | $0,3 * D_c$ | Lc | $1 * D_c$ | $0,0075 * D_c$ |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r/c | z |
|--------------|--------------|------|----|----|-----|------|-----|-----|---|
| BLC3X03045VN | BLW3X03045VN | 3,0 | 6 | 7 | 12 | 2,7 | 50 | - | 3 |
| BLC3X04045VN | BLW3X04045VN | 4,0 | 6 | 9 | 16 | 3,6 | 54 | - | 3 |
| BLC3X05045VN | BLW3X05045VN | 5,0 | 6 | 11 | 20 | 4,5 | 58 | - | 3 |
| BLC3X06045VN | BLW3X06045VN | 6,0 | 6 | 14 | 24 | 5,4 | 62 | - | 3 |
| BLC3X08045VN | BLW3X08045VN | 8,0 | 8 | 18 | 32 | 7,2 | 70 | - | 3 |
| BLC3X10045VN | BLW3X10045VN | 10,0 | 10 | 22 | 40 | 9,0 | 82 | - | 3 |
| BLC3X12045VN | BLW3X12045VN | 12,0 | 12 | 27 | 48 | 11,0 | 95 | - | 3 |
| BLC3X16045VN | BLW3X16045VN | 16,0 | 16 | 36 | 64 | 15,0 | 115 | - | 3 |
| BLC3X20045VN | BLW3X20045VN | 20,0 | 20 | 44 | 80 | 19,0 | 132 | - | 3 |
| BLC3X25045VN | BLW3X25045VN | 25,0 | 25 | 55 | 100 | 24,0 | 160 | - | 3 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |



| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-----------|
| | 0,3*Dc | Lc | 0,5*Dc | 0,0125*Dc |
| | 0,3*Dc | Lc | 1*Dc | 0,0100*Dc |
| | 1° | 5° | 0,5*Dc | 0,0075*Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|------------------|------------------|------|----|----|----|------|-----|------|---|
| BLC3X03045VNT010 | BLW3X03045VNT010 | 3,0 | 6 | 7 | 12 | 2,7 | 50 | 0,10 | 3 |
| BLC3X04045VNT020 | BLW3X04045VNT020 | 4,0 | 6 | 9 | 16 | 3,6 | 54 | 0,20 | 3 |
| BLC3X05045VNT020 | BLW3X05045VNT020 | 5,0 | 6 | 11 | 20 | 4,5 | 58 | 0,20 | 3 |
| BLC3X06045VNT020 | BLW3X06045VNT020 | 6,0 | 6 | 14 | 24 | 5,4 | 62 | 0,20 | 3 |
| BLC3X06045VNT040 | BLW3X06045VNT040 | 6,0 | 6 | 14 | 24 | 5,4 | 62 | 0,40 | 3 |
| BLC3X06045VNT080 | BLW3X06045VNT080 | 6,0 | 6 | 14 | 24 | 5,4 | 62 | 0,80 | 3 |
| BLC3X08045VNT020 | BLW3X08045VNT020 | 8,0 | 8 | 18 | 32 | 7,2 | 70 | 0,20 | 3 |
| BLC3X08045VNT040 | BLW3X08045VNT040 | 8,0 | 8 | 18 | 32 | 7,2 | 70 | 0,40 | 3 |
| BLC3X08045VNT080 | BLW3X08045VNT080 | 8,0 | 8 | 18 | 32 | 7,2 | 70 | 0,80 | 3 |
| BLC3X10045VNT020 | BLW3X10045VNT020 | 10,0 | 10 | 22 | 40 | 9,0 | 82 | 0,20 | 3 |
| BLC3X10045VNT040 | BLW3X10045VNT040 | 10,0 | 10 | 22 | 40 | 9,0 | 82 | 0,40 | 3 |
| BLC3X10045VNT080 | BLW3X10045VNT080 | 10,0 | 10 | 22 | 40 | 9,0 | 82 | 0,80 | 3 |
| BLC3X10045VNT160 | BLW3X10045VNT160 | 10,0 | 10 | 22 | 40 | 9,0 | 82 | 1,60 | 3 |
| BLC3X12045VNT020 | BLW3X12045VNT020 | 12,0 | 12 | 27 | 48 | 11,0 | 95 | 0,20 | 3 |
| BLC3X12045VNT040 | BLW3X12045VNT040 | 12,0 | 12 | 27 | 48 | 11,0 | 95 | 0,40 | 3 |
| BLC3X12045VNT080 | BLW3X12045VNT080 | 12,0 | 12 | 27 | 48 | 11,0 | 95 | 0,80 | 3 |
| BLC3X12045VNT160 | BLW3X12045VNT160 | 12,0 | 12 | 27 | 48 | 11,0 | 95 | 1,60 | 3 |
| BLC3X12045VNT200 | BLW3X12045VNT200 | 12,0 | 12 | 27 | 48 | 11,0 | 95 | 2,00 | 3 |
| BLC3X12045VNT250 | BLW3X12045VNT250 | 12,0 | 12 | 27 | 48 | 11,0 | 95 | 2,50 | 3 |
| BLC3X16045VNT020 | BLW3X16045VNT020 | 16,0 | 16 | 36 | 64 | 15,0 | 115 | 0,20 | 3 |
| BLC3X16045VNT040 | BLW3X16045VNT040 | 16,0 | 16 | 36 | 64 | 15,0 | 115 | 0,40 | 3 |
| BLC3X16045VNT080 | BLW3X16045VNT080 | 16,0 | 16 | 36 | 64 | 15,0 | 115 | 0,80 | 3 |
| BLC3X16045VNT160 | BLW3X16045VNT160 | 16,0 | 16 | 36 | 64 | 15,0 | 115 | 1,60 | 3 |
| BLC3X16045VNT200 | BLW3X16045VNT200 | 16,0 | 16 | 36 | 64 | 15,0 | 115 | 2,00 | 3 |
| BLC3X16045VNT250 | BLW3X16045VNT250 | 16,0 | 16 | 36 | 64 | 15,0 | 115 | 2,50 | 3 |
| BLC3X16045VNT320 | BLW3X16045VNT320 | 16,0 | 16 | 36 | 64 | 15,0 | 115 | 3,20 | 3 |
| BLC3X16045VNT400 | BLW3X16045VNT400 | 16,0 | 16 | 36 | 64 | 15,0 | 115 | 4,00 | 3 |
| BLC3X16045VNT500 | BLW3X16045VNT500 | 16,0 | 16 | 36 | 64 | 15,0 | 115 | 5,00 | 3 |
| BLC3X20045VNT020 | BLW3X20045VNT020 | 20,0 | 20 | 44 | 80 | 19,0 | 132 | 0,20 | 3 |
| BLC3X20045VNT040 | BLW3X20045VNT040 | 20,0 | 20 | 44 | 80 | 19,0 | 132 | 0,40 | 3 |
| BLC3X20045VNT080 | BLW3X20045VNT080 | 20,0 | 20 | 44 | 80 | 19,0 | 132 | 0,80 | 3 |
| BLC3X20045VNT160 | BLW3X20045VNT160 | 20,0 | 20 | 44 | 80 | 19,0 | 132 | 1,60 | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |

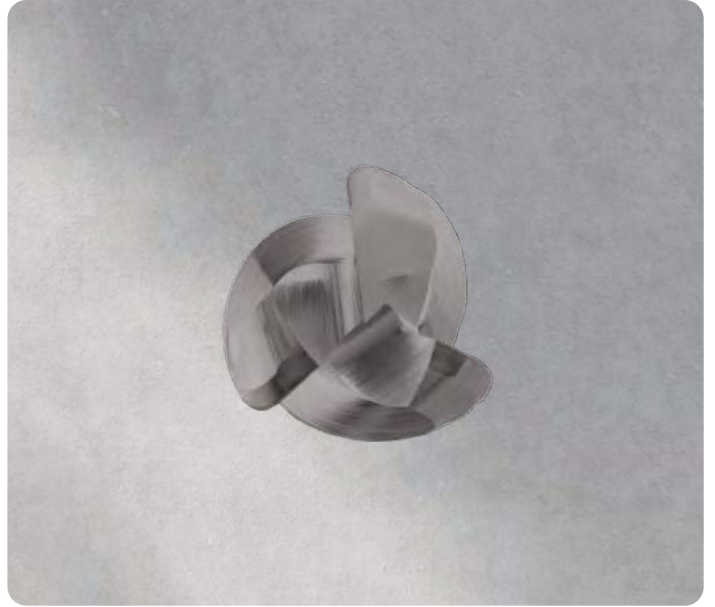


| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-------------|
| | 0,3 * Dc | Lc | 0,5 * Dc | 0,0125 * Dc |
| | 0,3 * Dc | Lc | 1 * Dc | 0,0100 * Dc |
| | 1° | 5° | 0,5 * Dc | 0,0075 * Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | | DIN 6535 HB | | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|------------------|--|------------------|--|------|----|----|-----|------|-----|------|---|
| BLC3X20045VNT200 | | BLW3X20045VNT200 | | 20,0 | 20 | 44 | 80 | 19,0 | 132 | 2,00 | 3 |
| BLC3X20045VNT320 | | BLW3X20045VNT320 | | 20,0 | 20 | 44 | 80 | 19,0 | 132 | 3,20 | 3 |
| BLC3X20045VNT400 | | BLW3X20045VNT400 | | 20,0 | 20 | 44 | 80 | 19,0 | 132 | 4,00 | 3 |
| BLC3X20045VNT500 | | BLW3X20045VNT500 | | 20,0 | 20 | 44 | 80 | 19,0 | 132 | 5,00 | 3 |
| BLC3X20045VNT600 | | BLW3X20045VNT600 | | 20,0 | 20 | 44 | 80 | 19,0 | 132 | 6,00 | 3 |
| BLC3X25045VNT020 | | BLW3X25045VNT020 | | 25,0 | 25 | 55 | 100 | 24,0 | 160 | 0,20 | 3 |
| BLC3X25045VNT040 | | BLW3X25045VNT040 | | 25,0 | 25 | 55 | 100 | 24,0 | 160 | 0,40 | 3 |
| BLC3X25045VNT160 | | BLW3X25045VNT160 | | 25,0 | 25 | 55 | 100 | 24,0 | 160 | 1,60 | 3 |
| BLC3X25045VNT200 | | BLW3X25045VNT200 | | 25,0 | 25 | 55 | 100 | 24,0 | 160 | 2,00 | 3 |
| BLC3X25045VNT320 | | BLW3X25045VNT320 | | 25,0 | 25 | 55 | 100 | 24,0 | 160 | 3,20 | 3 |
| BLC3X25045VNT400 | | BLW3X25045VNT400 | | 25,0 | 25 | 55 | 100 | 24,0 | 160 | 4,00 | 3 |
| BLC3X25045VNT500 | | BLW3X25045VNT500 | | 25,0 | 25 | 55 | 100 | 24,0 | 160 | 5,00 | 3 |
| BLC3X25045VNT600 | | BLW3X25045VNT600 | | 25,0 | 25 | 55 | 100 | 24,0 | 160 | 6,00 | 3 |
| BLC3X25045VNT635 | | BLW3X25045VNT635 | | 25,0 | 25 | 55 | 100 | 24,0 | 160 | 6,35 | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |










| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|----------------|
| | $0,3 * D_c$ | Lc | $0,5 * D_c$ | $0,0125 * D_c$ |
| | $0,3 * D_c$ | Lc | $1 * D_c$ | $0,0100 * D_c$ |
| | 1° | 5° | $0,5 * D_c$ | $0,0075 * D_c$ |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r/c | z |
|---------------|---------------|------|----|----|-----|------|-----|-----|---|
| BLC3X03045XVN | BLW3X03045XVN | 3,0 | 6 | 5 | 15 | 2,7 | 54 | - | 3 |
| BLC3X04045XVN | BLW3X04045XVN | 4,0 | 6 | 7 | 20 | 3,6 | 58 | - | 3 |
| BLC3X05045XVN | BLW3X05045XVN | 5,0 | 6 | 9 | 25 | 4,5 | 62 | - | 3 |
| BLC3X06045XVN | BLW3X06045XVN | 6,0 | 6 | 10 | 30 | 5,4 | 70 | - | 3 |
| BLC3X08045XVN | BLW3X08045XVN | 8,0 | 8 | 14 | 40 | 7,2 | 80 | - | 3 |
| BLC3X10045XVN | BLW3X10045XVN | 10,0 | 10 | 17 | 50 | 9,0 | 92 | - | 3 |
| BLC3X12045XVN | BLW3X12045XVN | 12,0 | 12 | 20 | 60 | 11,0 | 110 | - | 3 |
| BLC3X16045XVN | BLW3X16045XVN | 16,0 | 16 | 27 | 80 | 15,0 | 130 | - | 3 |
| BLC3X20045XVN | BLW3X20045XVN | 20,0 | 20 | 33 | 100 | 19,0 | 152 | - | 3 |
| BLC3X25045XVN | BLW3X25045XVN | 25,0 | 25 | 42 | 125 | 24,0 | 185 | - | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |

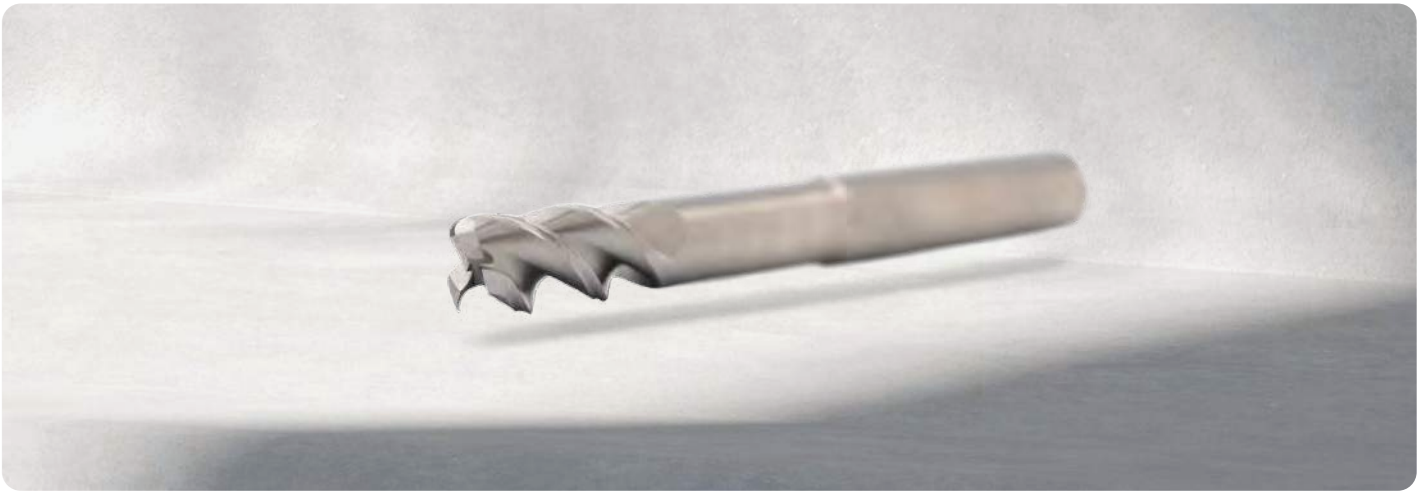
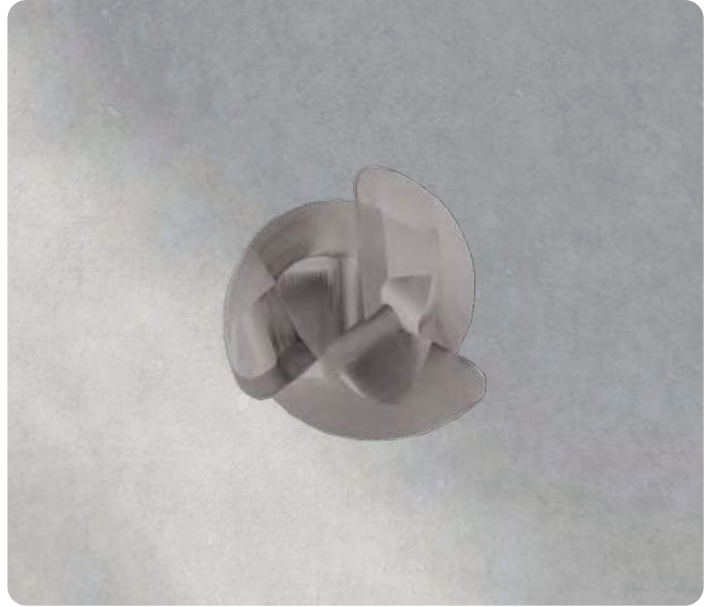








| | Ap [min] | Ap [max] | Ae [max] | fz |
|---|-------------|-------------|-------------|----------------|
|  | $0,3 * D_c$ | Lc | $0,5 * D_c$ | $0,0125 * D_c$ |
|  | $0,3 * D_c$ | Lc | $1 * D_c$ | $0,0100 * D_c$ |
|  | 1° | 5° | $0,5 * D_c$ | $0,0075 * D_c$ |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|-------------------|-------------------|------|----|----|-----|------|-----|------|---|
| BLC3X03045XVNT010 | BLW3X03045XVNT010 | 3,0 | 6 | 5 | 15 | 2,7 | 54 | 0,10 | 3 |
| BLC3X04045XVNT020 | BLW3X04045XVNT020 | 4,0 | 6 | 7 | 20 | 3,6 | 58 | 0,20 | 3 |
| BLC3X05045XVNT020 | BLW3X05045XVNT020 | 5,0 | 6 | 9 | 25 | 4,5 | 62 | 0,20 | 3 |
| BLC3X06045XVNT020 | BLW3X06045XVNT020 | 6,0 | 6 | 10 | 30 | 5,4 | 70 | 0,20 | 3 |
| BLC3X06045XVNT040 | BLW3X06045XVNT040 | 6,0 | 6 | 10 | 30 | 5,4 | 70 | 0,40 | 3 |
| BLC3X06045XVNT080 | BLW3X06045XVNT080 | 6,0 | 6 | 10 | 30 | 5,4 | 70 | 0,80 | 3 |
| BLC3X08045XVNT020 | BLW3X08045XVNT020 | 8,0 | 8 | 14 | 40 | 7,2 | 80 | 0,20 | 3 |
| BLC3X08045XVNT040 | BLW3X08045XVNT040 | 8,0 | 8 | 14 | 40 | 7,2 | 80 | 0,40 | 3 |
| BLC3X08045XVNT080 | BLW3X08045XVNT080 | 8,0 | 8 | 14 | 40 | 7,2 | 80 | 0,80 | 3 |
| BLC3X10045XVNT020 | BLW3X10045XVNT020 | 10,0 | 10 | 17 | 50 | 9,0 | 92 | 0,20 | 3 |
| BLC3X10045XVNT040 | BLW3X10045XVNT040 | 10,0 | 10 | 17 | 50 | 9,0 | 92 | 0,40 | 3 |
| BLC3X10045XVNT080 | BLW3X10045XVNT080 | 10,0 | 10 | 17 | 50 | 9,0 | 92 | 0,80 | 3 |
| BLC3X10045XVNT160 | BLW3X10045XVNT160 | 10,0 | 10 | 17 | 50 | 9,0 | 92 | 1,60 | 3 |
| BLC3X12045XVNT020 | BLW3X12045XVNT020 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 0,20 | 3 |
| BLC3X12045XVNT040 | BLW3X12045XVNT040 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 0,40 | 3 |
| BLC3X12045XVNT080 | BLW3X12045XVNT080 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 0,80 | 3 |
| BLC3X12045XVNT160 | BLW3X12045XVNT160 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 1,60 | 3 |
| BLC3X12045XVNT200 | BLW3X12045XVNT200 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 2,00 | 3 |
| BLC3X12045XVNT250 | BLW3X12045XVNT250 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 2,50 | 3 |
| BLC3X16045XVNT020 | BLW3X16045XVNT020 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 0,20 | 3 |
| BLC3X16045XVNT040 | BLW3X16045XVNT040 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 0,40 | 3 |
| BLC3X16045XVNT080 | BLW3X16045XVNT080 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 0,80 | 3 |
| BLC3X16045XVNT160 | BLW3X16045XVNT160 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 1,60 | 3 |
| BLC3X16045XVNT200 | BLW3X16045XVNT200 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 2,00 | 3 |
| BLC3X16045XVNT250 | BLW3X16045XVNT250 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 2,50 | 3 |
| BLC3X16045XVNT320 | BLW3X16045XVNT320 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 3,20 | 3 |
| BLC3X16045XVNT400 | BLW3X16045XVNT400 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 4,00 | 3 |
| BLC3X16045XVNT500 | BLW3X16045XVNT500 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 5,00 | 3 |
| BLC3X20045XVNT020 | BLW3X20045XVNT020 | 20,0 | 20 | 33 | 100 | 19,0 | 152 | 0,20 | 3 |
| BLC3X20045XVNT040 | BLW3X20045XVNT040 | 20,0 | 20 | 33 | 100 | 19,0 | 152 | 0,40 | 3 |
| BLC3X20045XVNT080 | BLW3X20045XVNT080 | 20,0 | 20 | 33 | 100 | 19,0 | 152 | 0,80 | 3 |
| BLC3X20045XVNT160 | BLW3X20045XVNT160 | 20,0 | 20 | 33 | 100 | 19,0 | 152 | 1,60 | 3 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |

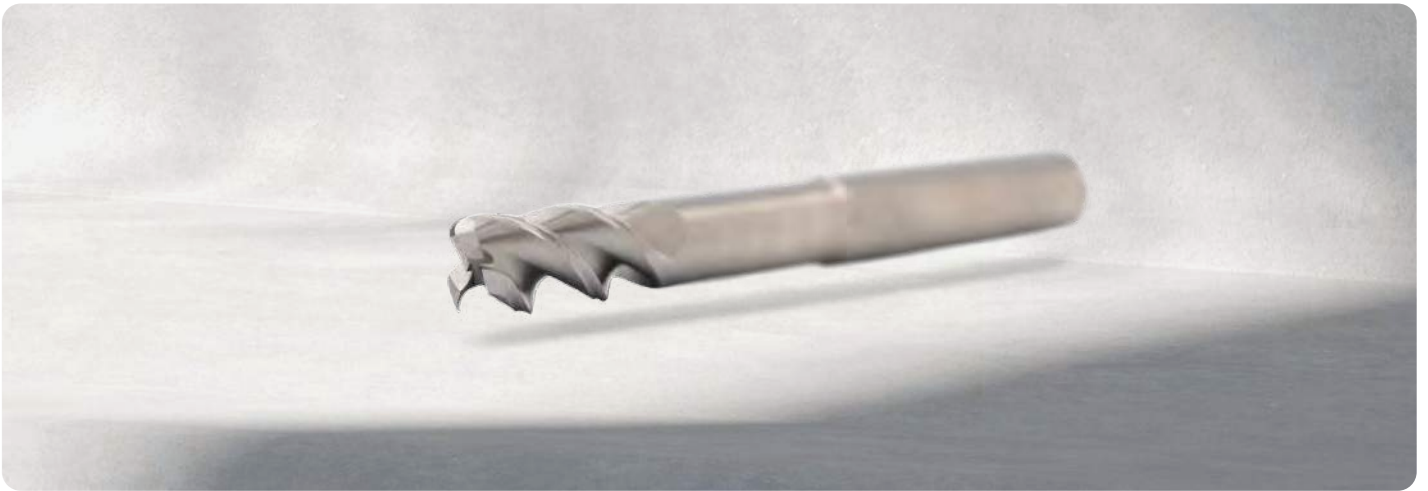
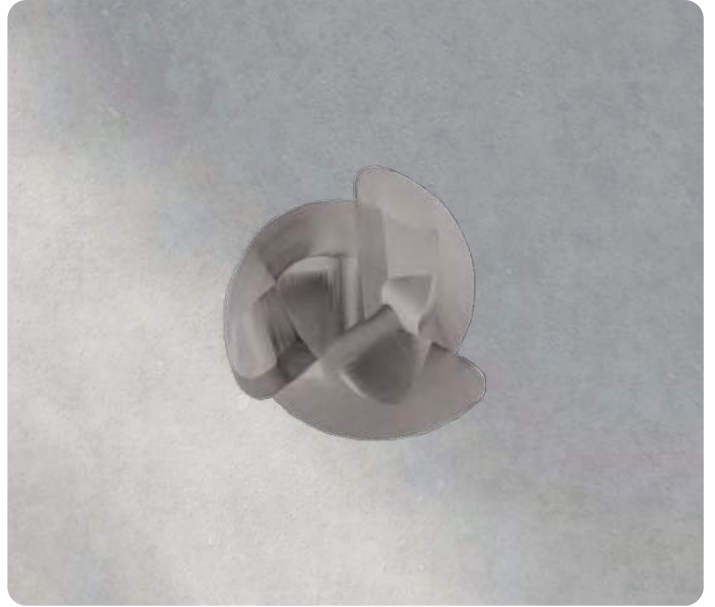









| | Ap [min] | Ap [max] | Ae [max] | fz |
|---|-------------|-------------|-------------|-----------|
|  | 0,3*Dc | Lc | 0,5*Dc | 0,0125*Dc |
|  | 0,3*Dc | Lc | 1*Dc | 0,0100*Dc |
|  | 1° | 5° | 0,5*Dc | 0,0075*Dc |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|-------------------|-------------------|------|----|----|-----|------|-----|------|---|
| BLC3X20045XVNT200 | BLW3X20045XVNT200 | 20,0 | 20 | 33 | 100 | 19,0 | 152 | 2,00 | 3 |
| BLC3X20045XVNT320 | BLW3X20045XVNT320 | 20,0 | 20 | 33 | 100 | 19,0 | 152 | 3,20 | 3 |
| BLC3X20045XVNT400 | BLW3X20045XVNT400 | 20,0 | 20 | 33 | 100 | 19,0 | 152 | 4,00 | 3 |
| BLC3X20045XVNT500 | BLW3X20045XVNT500 | 20,0 | 20 | 33 | 100 | 19,0 | 152 | 5,00 | 3 |
| BLC3X20045XVNT600 | BLW3X20045XVNT600 | 20,0 | 20 | 33 | 100 | 19,0 | 152 | 6,00 | 3 |
| BLC3X25045XVNT020 | BLW3X25045XVNT020 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 0,20 | 3 |
| BLC3X25045XVNT040 | BLW3X25045XVNT040 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 0,40 | 3 |
| BLC3X25045XVNT160 | BLW3X25045XVNT160 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 1,60 | 3 |
| BLC3X25045XVNT200 | BLW3X25045XVNT200 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 2,00 | 3 |
| BLC3X25045XVNT320 | BLW3X25045XVNT320 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 3,20 | 3 |
| BLC3X25045XVNT400 | BLW3X25045XVNT400 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 4,00 | 3 |
| BLC3X25045XVNT500 | BLW3X25045XVNT500 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 5,00 | 3 |
| BLC3X25045XVNT600 | BLW3X25045XVNT600 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 6,00 | 3 |
| BLC3X25045XVNT635 | BLW3X25045XVNT635 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 6,35 | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |

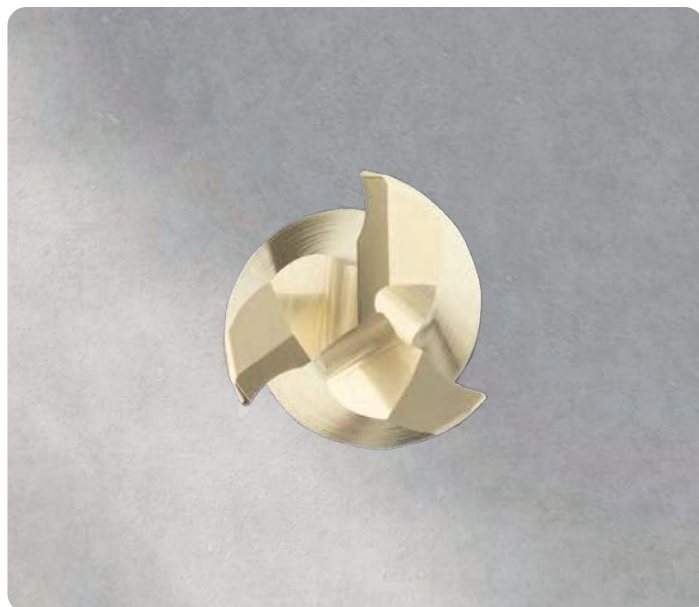









| | Ap [min] | Ap [max] | Ae [max] | fz |
|---|-------------|-------------|-------------|-----------|
|  | 0,3*Dc | Lc | 0,5*Dc | 0,0125*Dc |
|  | 0,3*Dc | Lc | 1*Dc | 0,0100*Dc |
|  | 1° | 5° | 0,5*Dc | 0,0075*Dc |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|------------------|------------------|------|----|----|----|------|-----|-----|---|
| PLAC3L06045VNT02 | PLAW3L06045VNT02 | 6,0 | 6 | 15 | 19 | 5,7 | 57 | 0,2 | 3 |
| PLAC3L08045VNT02 | PLAW3L08045VNT02 | 8,0 | 8 | 21 | 25 | 7,6 | 63 | 0,2 | 3 |
| PLAC3L10045VNT03 | PLAW3L10045VNT03 | 10,0 | 10 | 24 | 32 | 9,5 | 72 | 0,3 | 3 |
| PLAC3L12045VNT04 | PLAW3L12045VNT04 | 12,0 | 12 | 28 | 36 | 11,5 | 83 | 0,4 | 3 |
| PLAC3L14045VNT04 | PLAW3L14045VNT04 | 14,0 | 14 | 30 | 36 | 13,5 | 83 | 0,4 | 3 |
| PLAC3L16045VNT05 | PLAW3L16045VNT05 | 16,0 | 16 | 35 | 42 | 15,5 | 92 | 0,5 | 3 |
| PLAC3L18045VNT05 | PLAW3L18045VNT05 | 18,0 | 18 | 38 | 42 | 17,5 | 92 | 0,5 | 3 |
| PLAC3L20045VNT06 | PLAW3L20045VNT06 | 20,0 | 20 | 42 | 52 | 19,5 | 104 | 0,6 | 3 |
| PLAC3L25045VNT06 | PLAW3L25045VNT06 | 25,0 | 25 | 50 | 62 | 24,0 | 120 | 0,6 | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 350 | 300 | - |










| | Ap [min] | Ap [max] | Ae [max] | fz |
|---|-------------|-------------|-------------|-----------|
|  | 0,3*Dc | Lc | 0,5*Dc | 0,0140*Dc |
|  | 0,3*Dc | Lc | 1*Dc | 0,0115*Dc |
|  | 1° | 5° | 0,5*Dc | 0,0090*Dc |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|------------------|------------------|------|----|----|----|------|-----|-----|---|
| PLAC3X06045VNT02 | PLAW3X06045VNT02 | 6,0 | 6 | 7 | 24 | 5,4 | 62 | 0,2 | 3 |
| PLAC3X08045VNT02 | PLAW3X08045VNT02 | 8,0 | 8 | 9 | 30 | 7,2 | 68 | 0,2 | 3 |
| PLAC3X10045VNT03 | PLAW3X10045VNT03 | 10,0 | 10 | 11 | 38 | 9,0 | 80 | 0,3 | 3 |
| PLAC3X12045VNT04 | PLAW3X12045VNT04 | 12,0 | 12 | 13 | 46 | 11,0 | 93 | 0,4 | 3 |
| PLAC3X14045VNT04 | PLAW3X14045VNT04 | 14,0 | 14 | 15 | 46 | 13,0 | 93 | 0,4 | 3 |
| PLAC3X16045VNT05 | PLAW3X16045VNT05 | 16,0 | 16 | 17 | 58 | 15,0 | 108 | 0,5 | 3 |
| PLAC3X18045VNT05 | PLAW3X18045VNT05 | 18,0 | 18 | 19 | 58 | 17,0 | 108 | 0,5 | 3 |
| PLAC3X20045VNT06 | PLAW3X20045VNT06 | 20,0 | 20 | 21 | 74 | 19,0 | 126 | 0,6 | 3 |
| PLAC3X25045VNT06 | PLAW3X25045VNT06 | 25,0 | 25 | 26 | 92 | 24,0 | 150 | 0,6 | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 350 | 300 | - |

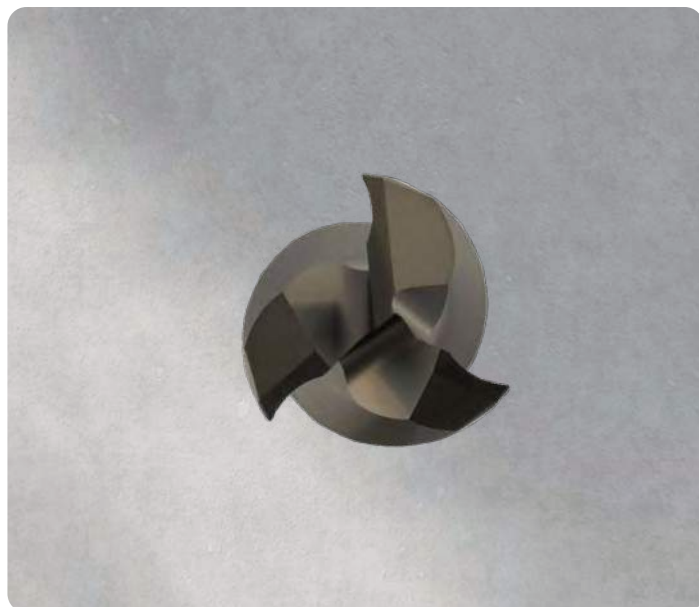









| | Ap [min] | Ap [max] | Ae [max] | fz |
|---|-------------|-------------|-------------|-----------|
|  | 0,3*Dc | Lc | 0,5*Dc | 0,0140*Dc |
|  | 0,3*Dc | Lc | 1*Dc | 0,0115*Dc |
|  | 1° | 5° | 0,5*Dc | 0,0090*Dc |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|-------------------|-------------------|------|----|----|----|------|-----|-----|---|
| ULC3L06045VNT01IK | ULW3L06045VNT01IK | 6,0 | 6 | 15 | 19 | 5,7 | 57 | 0,1 | 3 |
| ULC3L08045VNT01IK | ULW3L08045VNT01IK | 8,0 | 8 | 21 | 25 | 7,6 | 63 | 0,1 | 3 |
| ULC3L10045VNT01IK | ULW3L10045VNT01IK | 10,0 | 10 | 24 | 32 | 9,5 | 72 | 0,1 | 3 |
| ULC3L12045VNT02IK | ULW3L12045VNT02IK | 12,0 | 12 | 28 | 36 | 11,5 | 83 | 0,2 | 3 |
| ULC3L14045VNT02IK | ULW3L14045VNT02IK | 14,0 | 14 | 30 | 36 | 13,5 | 83 | 0,2 | 3 |
| ULC3L16045VNT02IK | ULW3L16045VNT02IK | 16,0 | 16 | 35 | 42 | 15,5 | 92 | 0,2 | 3 |
| ULC3L18045VNT02IK | ULW3L18045VNT02IK | 18,0 | 18 | 38 | 42 | 17,5 | 92 | 0,2 | 3 |
| ULC3L20045VNT02IK | ULW3L20045VNT02IK | 20,0 | 20 | 42 | 52 | 19,5 | 104 | 0,2 | 3 |
| ULC3L25045VNT02IK | ULW3L25045VNT02IK | 25,0 | 25 | 50 | 62 | 24,0 | 120 | 0,2 | 3 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 400 | 350 | - |

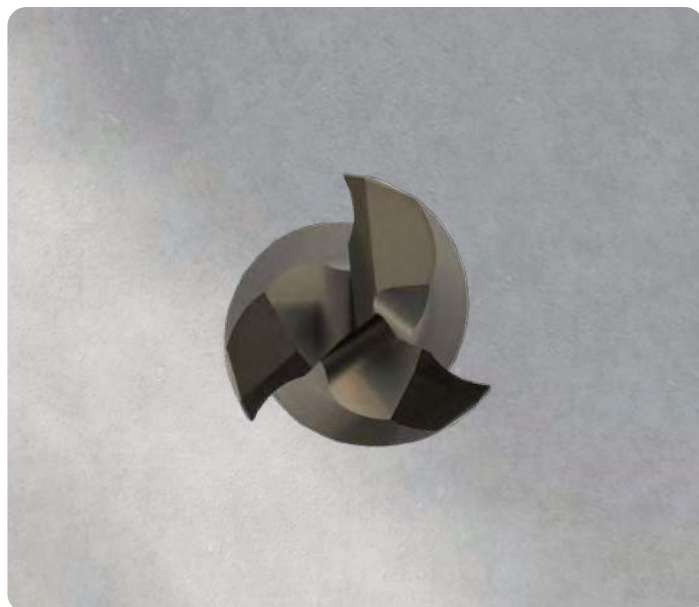


| | Ap [min] | Ap [max] | Ae [max] | fz |
|---|-------------|-------------|-------------|-----------|
|  | 0,3*Dc | Lc | 0,5*Dc | 0,0155*Dc |
|  | 0,3*Dc | Lc | 1*Dc | 0,0130*Dc |
|  | 1° | 5° | 0,5*Dc | 0,0100*Dc |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |
|  | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|-------------------|-------------------|------|----|----|----|------|-----|-----|---|
| ULC3X06045VNT01IK | ULW3X06045VNT01IK | 6,0 | 6 | 7 | 24 | 5,4 | 62 | 0,1 | 3 |
| ULC3X08045VNT01IK | ULW3X08045VNT01IK | 8,0 | 8 | 9 | 30 | 7,2 | 68 | 0,1 | 3 |
| ULC3X10045VNT01IK | ULW3X10045VNT01IK | 10,0 | 10 | 11 | 38 | 9,0 | 80 | 0,1 | 3 |
| ULC3X12045VNT02IK | ULW3X12045VNT02IK | 12,0 | 12 | 13 | 46 | 11,0 | 93 | 0,2 | 3 |
| ULC3X14045VNT02IK | ULW3X14045VNT02IK | 14,0 | 14 | 15 | 46 | 13,0 | 93 | 0,2 | 3 |
| ULC3X16045VNT02IK | ULW3X16045VNT02IK | 16,0 | 16 | 17 | 58 | 15,0 | 108 | 0,2 | 3 |
| ULC3X18045VNT02IK | ULW3X18045VNT02IK | 18,0 | 18 | 19 | 59 | 17,0 | 108 | 0,2 | 3 |
| ULC3X20045VNT02IK | ULW3X20045VNT02IK | 20,0 | 20 | 21 | 74 | 19,0 | 126 | 0,2 | 3 |
| ULC3X25045VNT02IK | ULW3X25045VNT02IK | 25,0 | 25 | 26 | 92 | 24,0 | 150 | 0,2 | 3 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 400 | 350 | - |



| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-----------|
| | 0,3*Dc | Lc | 0,5*Dc | 0,0155*Dc |
| | 0,3*Dc | Lc | 1*Dc | 0,0130*Dc |
| | 1° | 5° | 0,5*Dc | 0,0100*Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |

TROCHOIDAL MILLING 1-2

^{NL} Trochoïdaal frezen 1-2 | ^{DE} Trochoidales fräsen 1-2 | ^{FR} Fraisage trochoïdal 1-2



A milling strategy that uses efficient circular milling paths from the CAM software. By using intelligent milling paths, with a small cutting width (Ae) and higher cutting depth (Ap), the cutting forces can be reduced and distributed. As a result, the cutting speed (Vc) and table feed (Vf) can be increased, resulting in a higher stock removal rate (Q). *In this way a much higher productivity is achieved, while the tool wears much less and thus has a longer tool life.*



Een freesstrategie waarbij, vanuit de CAM-software, gebruik wordt gemaakt van efficiënte cirkelvormige freespaden. Door het gebruik van intelligente freespaden kunnen, met een geringe snedebreedte (Ae) en hogere snedediepte (Ap), de verspaningskrachten gereduceerd en verdeeld worden. Het gevolg hiervan is dat de snijsnelheid (Vc) en tafelvoeding (Vf) verhoogd kunnen worden, resulterende in een hoger verspanend volume (Q). *Op deze manier wordt een veel hogere productiviteit bereikt, terwijl het gereedschap veel minder slijt en dus een langere standtijd heeft.*



Eine Frässtrategie, die auf Grundlage von CAM-Software effiziente, kreisförmige Fräsbahnen nutzt. Durch die Verwendung intelligenter Fräsbahnen können die Zerspanungskräfte bei geringer Schnittbreite (Ae) und hoher Schnitttiefe (Ap) reduziert und verteilt werden. So können Schnittgeschwindigkeit (Vc) und Vorschub (Vf) erhöht werden, was zu einem höheren Zeitspanvolumen (Q) führt. *Mit dieser Methode wird die Produktivität erheblich gesteigert, während der Verschleiß der Werkzeuge reduziert wird, was wiederum in längerer Standzeit resultiert.*



Une stratégie de fraisage qui utilise des chemins de fraisage circulaires efficaces à partir du logiciel FAO. En utilisant des trajectoires de fraisage intelligentes, avec une faible largeur de coupe (Ae) et une profondeur de coupe plus élevée (Ap), les forces de coupe peuvent être réduites et réparties. En conséquence, la vitesse de coupe (Vc) et l'avance de la table (Vf) peuvent être augmentées, ce qui entraîne un taux d'enlèvement de matière plus élevé (Q). *De cette manière, une productivité beaucoup plus élevée est obtenue, tandis que l'outil s'use beaucoup moins et a donc une durée de vie plus longue.*

TROCHOIDAL MILLING STRATEGIES


Trochoidale freesstrategieën | Trochoidale Frässtrategien | Stratégies de fraisage trochoïdal


| Static Statisch Statisch Statique | Dynamic Dynamisch Dynamisch Dynamique | Oscillate Pendelend Pendelnd Oscillant |
|--|---|---|
| | | |
| + | Productivity Productiviteit Produktivität Rendement | +++ |
| + | Complexity CAD-CAM Complexiteit Komplexität Complexité | +++ |

TROCHOIDAL MILLING 2-2

^{NL}Trochoïdaal frezen 2-2 | ^{DE}Trochoidales fräsen 2-2 | ^{FR}Fraisage trochoïdal 2-2



BLC4X12037VNT02
 448-449

BLC4X12037XVNT02
 450-451 

Lc
 3xD

Lc
 4xD



Lc
 3xD-4xD

ZrN

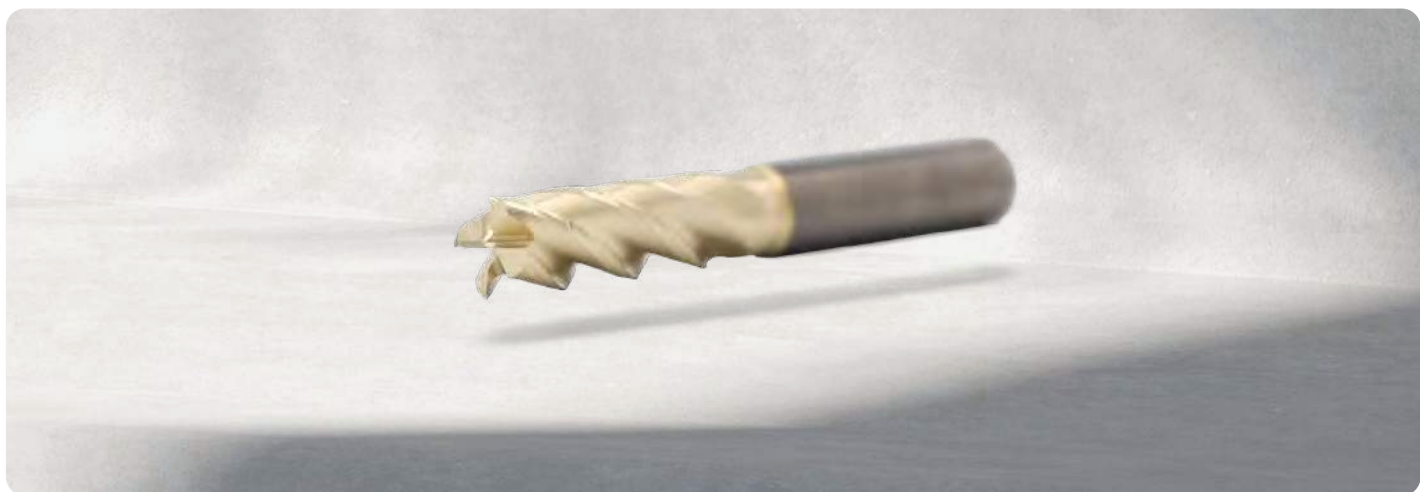
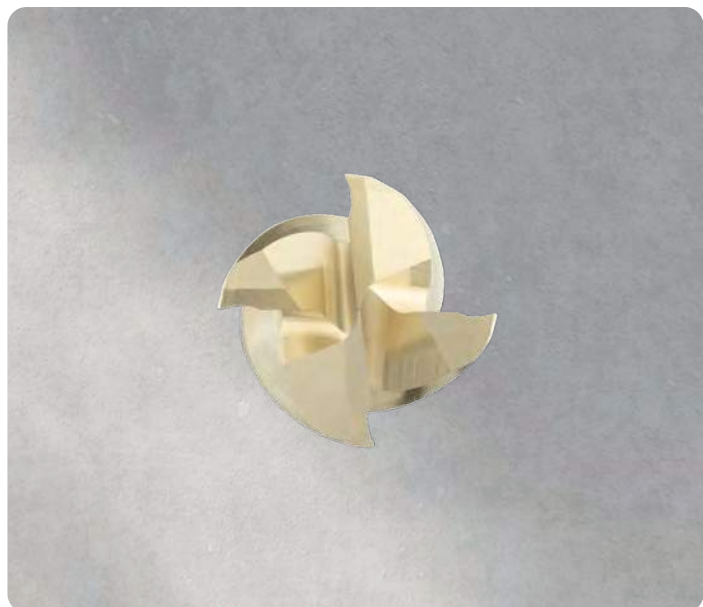
 r
 0,10-0,20





| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|-----------------|-----------------|------|----|----|----|------|-----|-----|---|
| BLC4X04037VNT01 | BLW4X04037VNT01 | 4,0 | 6 | 12 | 18 | 3,8 | 62 | 0,1 | 4 |
| BLC4X05037VNT01 | BLW4X05037VNT01 | 5,0 | 6 | 15 | 21 | 4,8 | 62 | 0,1 | 4 |
| BLC4X06037VNT01 | BLW4X06037VNT01 | 6,0 | 6 | 18 | 24 | 5,7 | 62 | 0,1 | 4 |
| BLC4X08037VNT01 | BLW4X08037VNT01 | 8,0 | 8 | 24 | 30 | 7,6 | 68 | 0,1 | 4 |
| BLC4X10037VNT01 | BLW4X10037VNT01 | 10,0 | 10 | 30 | 38 | 9,5 | 80 | 0,1 | 4 |
| BLC4X12037VNT02 | BLW4X12037VNT02 | 12,0 | 12 | 36 | 46 | 11,5 | 93 | 0,2 | 4 |
| BLC4X16037VNT02 | BLW4X16037VNT02 | 16,0 | 16 | 48 | 58 | 15,5 | 108 | 0,2 | 4 |
| BLC4X20037VNT02 | BLW4X20037VNT02 | 20,0 | 20 | 60 | 74 | 19,5 | 126 | 0,2 | 4 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 480 | 400 | - |

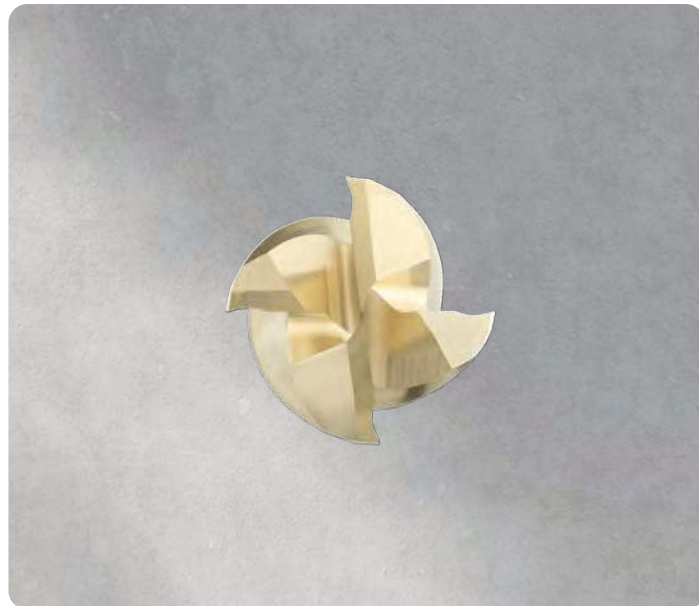


| Ap [min] | Ap [max] | Ae | hm |
|-------------|-------------|-------------------|-----------|
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| 0,3*Dc | Lc | 0,10*Dc - 0,20*Dc | 0,0100*Dc |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|------------------|------------------|------|----|----|----|------|-----|-----|---|
| BLC4X04037XVNT01 | BLW4X04037XVNT01 | 4,0 | 6 | 16 | 21 | 3,8 | 62 | 0,1 | 4 |
| BLC4X05037XVNT01 | BLW4X05037XVNT01 | 5,0 | 6 | 20 | 25 | 4,8 | 70 | 0,1 | 4 |
| BLC4X06037XVNT01 | BLW4X06037XVNT01 | 6,0 | 6 | 24 | 30 | 5,7 | 70 | 0,1 | 4 |
| BLC4X08037XVNT01 | BLW4X08037XVNT01 | 8,0 | 8 | 32 | 38 | 7,6 | 80 | 0,1 | 4 |
| BLC4X10037XVNT01 | BLW4X10037XVNT01 | 10,0 | 10 | 40 | 48 | 9,5 | 90 | 0,1 | 4 |
| BLC4X12037XVNT02 | BLW4X12037XVNT02 | 12,0 | 12 | 48 | 58 | 11,5 | 110 | 0,2 | 4 |
| BLC4X16037XVNT02 | BLW4X16037XVNT02 | 16,0 | 16 | 64 | 74 | 15,5 | 130 | 0,2 | 4 |
| BLC4X20037XVNT02 | BLW4X20037XVNT02 | 20,0 | 20 | 80 | 94 | 19,5 | 150 | 0,2 | 4 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 480 | 400 | - |

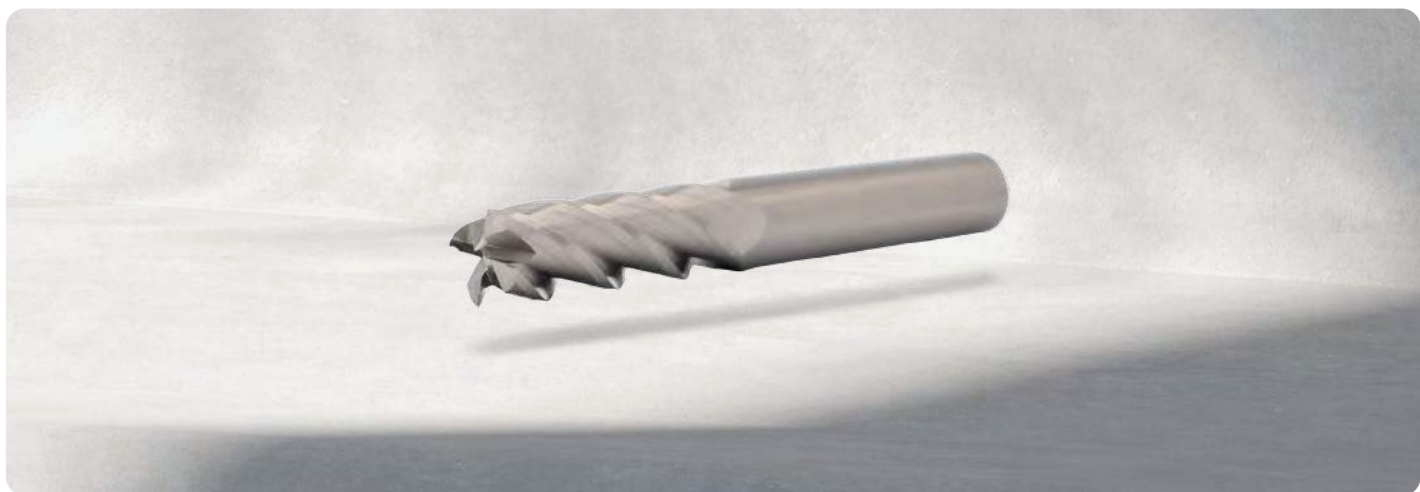
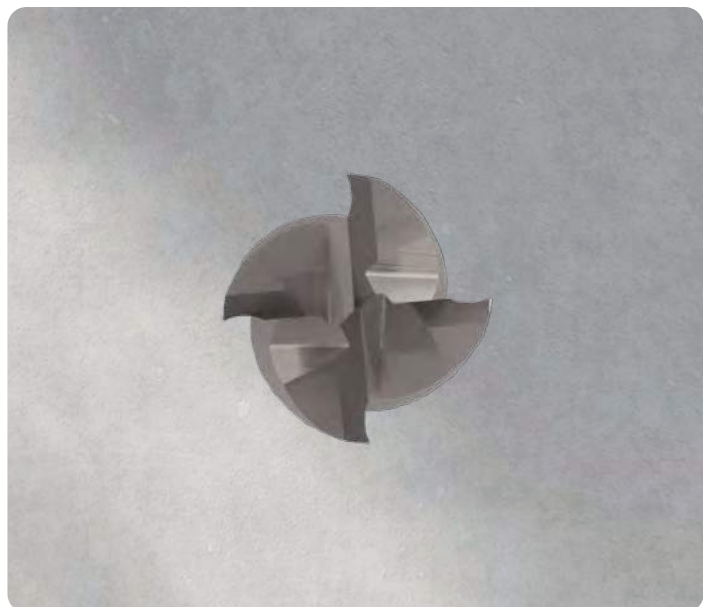


| Ap [min] | Ap [max] | Ae | hm |
|-------------|-------------|-------------------|-----------|
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| 0,3*Dc | Lc | 0,05*Dc - 0,15*Dc | 0,0100*Dc |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | c | z |
|-------------|-------------|------|----|----|----|----|-----|------|---|
| BLC4L04038S | BLW4L04038S | 4,0 | 6 | 15 | - | - | 62 | 0,05 | 4 |
| BLC4L05038S | BLW4L05038S | 5,0 | 6 | 18 | - | - | 62 | 0,05 | 4 |
| BLC4L06038S | BLW4L06038S | 6,0 | 6 | 18 | - | - | 62 | 0,06 | 4 |
| BLC4L08038S | BLW4L08038S | 8,0 | 8 | 24 | - | - | 68 | 0,08 | 4 |
| BLC4L10038S | BLW4L10038S | 10,0 | 10 | 30 | - | - | 80 | 0,10 | 4 |
| BLC4L12038S | BLW4L12038S | 12,0 | 12 | 36 | - | - | 93 | 0,12 | 4 |
| BLC4L16038S | BLW4L16038S | 16,0 | 16 | 48 | - | - | 108 | 0,15 | 4 |
| BLC4L20038S | BLW4L20038S | 20,0 | 20 | 60 | - | - | 126 | 0,20 | 4 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 250 | 200 | - |

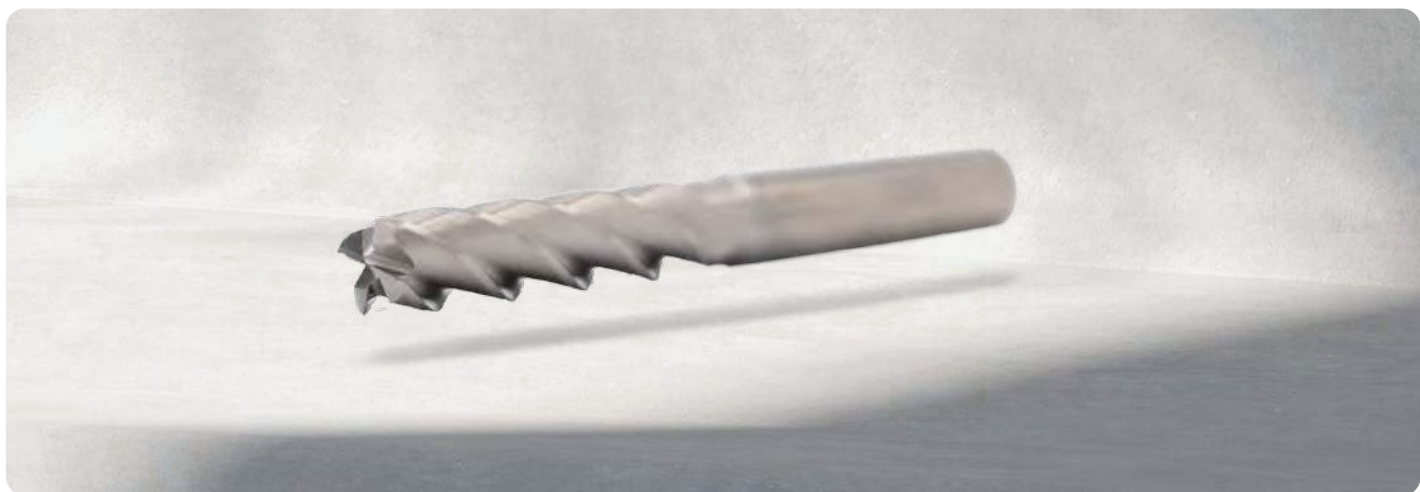


| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-----------|
| | 0,3*Dc | Lc | 0,5*Dc | 0,0110*Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|------------------|------------------|------|----|----|----|------|-----|-----|---|
| BLC4X04038XSNT01 | BLW4X04038XSNT01 | 4,0 | 6 | 16 | 21 | 3,8 | 62 | 0,1 | 4 |
| BLC4X05038XSNT01 | BLW4X05038XSNT01 | 5,0 | 6 | 20 | 25 | 4,8 | 70 | 0,1 | 4 |
| BLC4X06038XSNT01 | BLW4X06038XSNT01 | 6,0 | 6 | 24 | 30 | 5,7 | 70 | 0,1 | 4 |
| BLC4X08038XSNT01 | BLW4X08038XSNT01 | 8,0 | 8 | 32 | 38 | 7,6 | 80 | 0,1 | 4 |
| BLC4X10038XSNT01 | BLW4X10038XSNT01 | 10,0 | 10 | 40 | 48 | 9,5 | 90 | 0,1 | 4 |
| BLC4X12038XSNT02 | BLW4X12038XSNT02 | 12,0 | 12 | 48 | 58 | 11,5 | 110 | 0,2 | 4 |
| BLC4X16038XSNT02 | BLW4X16038XSNT02 | 16,0 | 16 | 64 | 74 | 15,5 | 130 | 0,2 | 4 |
| BLC4X20038XSNT02 | BLW4X20038XSNT02 | 20,0 | 20 | 80 | 94 | 19,5 | 150 | 0,2 | 4 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |

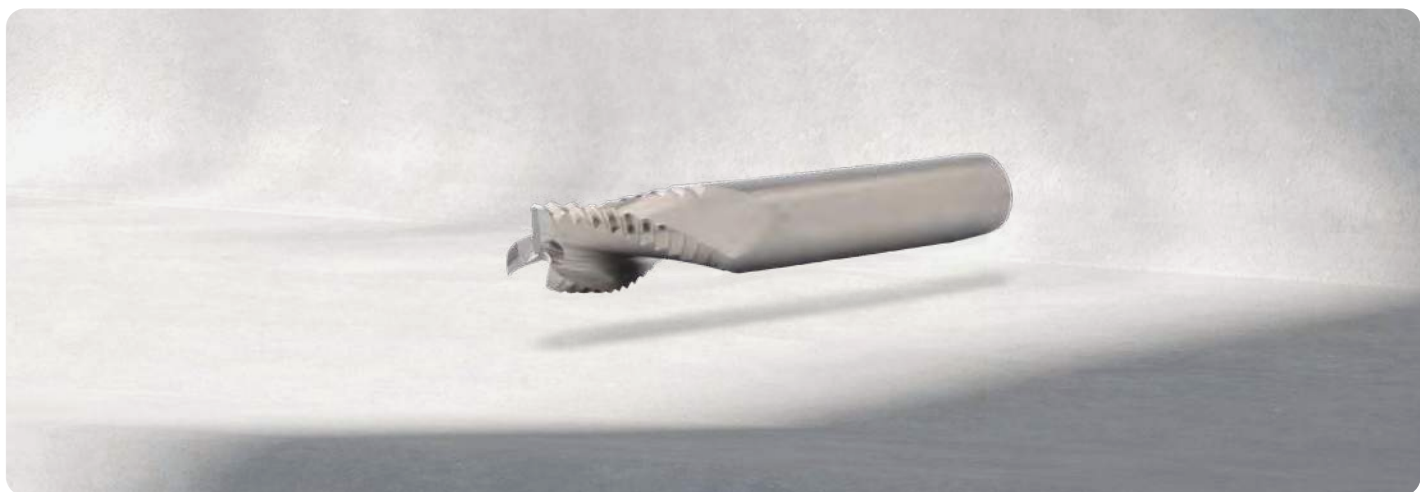


| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-----------|
| | 0,3*Dc | Lc | 0,5*Dc | 0,0125*Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | c | z |
|-------------|-------------|------|----|----|----|----|-----|-----|---|
| BLC3L06025R | BLW3L06025R | 6,0 | 6 | 13 | - | - | 57 | 0,3 | 3 |
| BLC3L08025R | BLW3L08025R | 8,0 | 8 | 19 | - | - | 63 | 0,4 | 3 |
| BLC3L10025R | BLW3L10025R | 10,0 | 10 | 22 | - | - | 72 | 0,5 | 3 |
| BLC3L12025R | BLW3L12025R | 12,0 | 12 | 26 | - | - | 83 | 0,6 | 3 |
| BLC3L14025R | BLW3L14025R | 14,0 | 14 | 26 | - | - | 83 | 0,7 | 3 |
| BLC3L16025R | BLW3L16025R | 16,0 | 16 | 32 | - | - | 92 | 0,8 | 3 |
| BLC3L18025R | BLW3L18025R | 18,0 | 18 | 32 | - | - | 92 | 0,9 | 3 |
| BLC3L20025R | BLW3L20025R | 20,0 | 20 | 38 | - | - | 104 | 1,0 | 3 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| - | - | - | - | - | - | - | - | - | - | - | - | - | 250 | 200 | - |

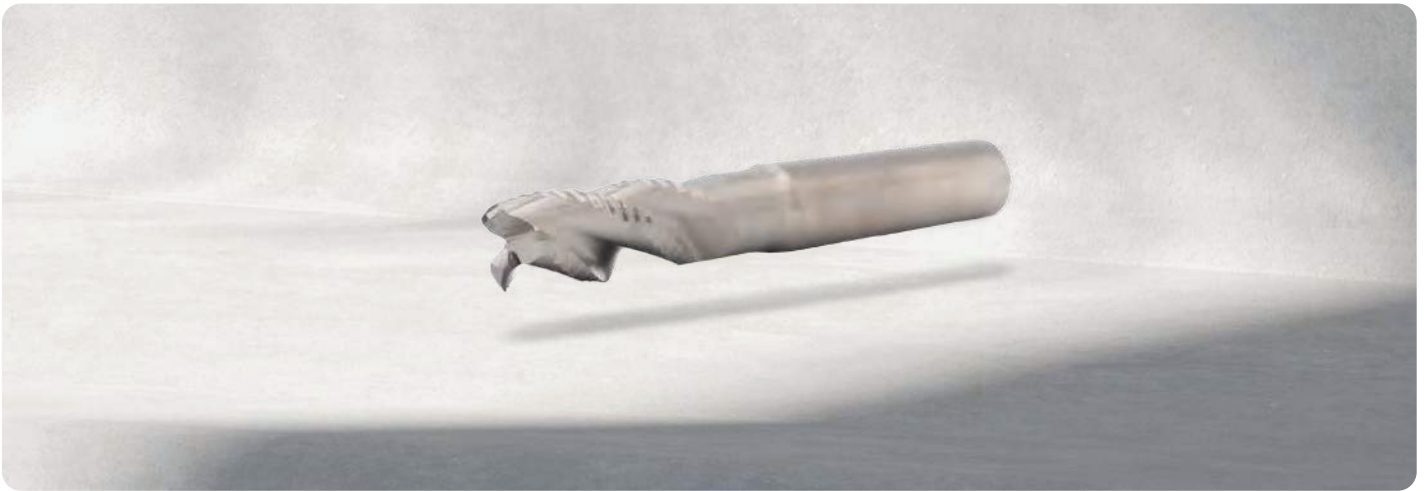
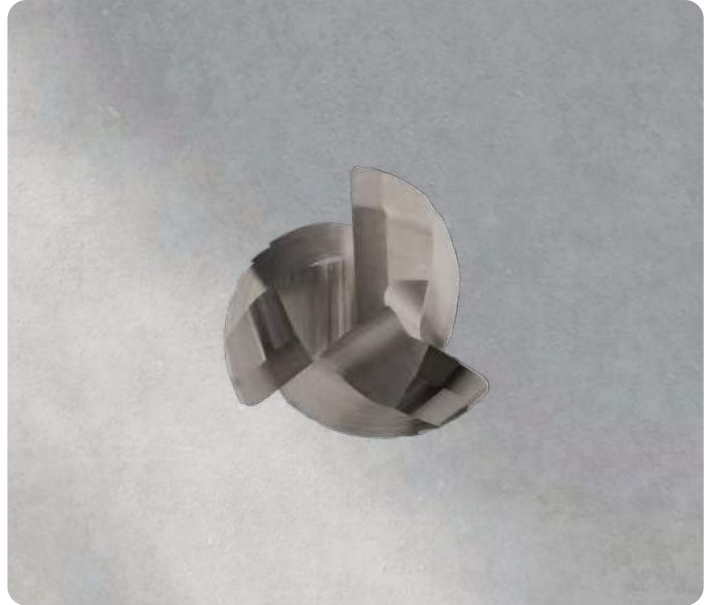


| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-----------|
| | 0,3*Dc | Lc | 0,5*Dc | 0,0110*Dc |
| | 0,3*Dc | Lc | 1*Dc | 0,0075*Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|-------------------|-------------------|------|----|----|----|------|-----|------|---|
| BLC3X03035RVNT010 | BLW3X03035RVNT010 | 3,0 | 6 | 7 | 12 | 2,7 | 54 | 0,10 | 3 |
| BLC3X04035RVNT020 | BLW3X04035RVNT020 | 4,0 | 6 | 9 | 16 | 3,6 | 57 | 0,20 | 3 |
| BLC3X05035RVNT020 | BLW3X05035RVNT020 | 5,0 | 6 | 11 | 20 | 4,5 | 62 | 0,20 | 3 |
| BLC3X06035RVNT020 | BLW3X06035RVNT020 | 6,0 | 6 | 14 | 24 | 5,4 | 70 | 0,20 | 3 |
| BLC3X06035RVNT040 | BLW3X06035RVNT040 | 6,0 | 6 | 14 | 24 | 5,4 | 70 | 0,40 | 3 |
| BLC3X06035RVNT080 | BLW3X06035RVNT080 | 6,0 | 6 | 14 | 24 | 5,4 | 70 | 0,80 | 3 |
| BLC3X08035RVNT020 | BLW3X08035RVNT020 | 8,0 | 8 | 18 | 32 | 7,2 | 80 | 0,20 | 3 |
| BLC3X08035RVNT040 | BLW3X08035RVNT040 | 8,0 | 8 | 18 | 32 | 7,2 | 80 | 0,40 | 3 |
| BLC3X08035RVNT080 | BLW3X08035RVNT080 | 8,0 | 8 | 18 | 32 | 7,2 | 80 | 0,80 | 3 |
| BLC3X10035RVNT020 | BLW3X10035RVNT020 | 10,0 | 10 | 22 | 40 | 9,0 | 90 | 0,20 | 3 |
| BLC3X10035RVNT040 | BLW3X10035RVNT040 | 10,0 | 10 | 22 | 40 | 9,0 | 90 | 0,40 | 3 |
| BLC3X10035RVNT080 | BLW3X10035RVNT080 | 10,0 | 10 | 22 | 40 | 9,0 | 90 | 0,80 | 3 |
| BLC3X10035RVNT160 | BLW3X10035RVNT160 | 10,0 | 10 | 22 | 40 | 9,0 | 90 | 1,60 | 3 |
| BLC3X12035RVNT020 | BLW3X12035RVNT020 | 12,0 | 12 | 27 | 48 | 11,0 | 110 | 0,20 | 3 |
| BLC3X12035RVNT040 | BLW3X12035RVNT040 | 12,0 | 12 | 27 | 48 | 11,0 | 110 | 0,40 | 3 |
| BLC3X12035RVNT080 | BLW3X12035RVNT080 | 12,0 | 12 | 27 | 48 | 11,0 | 110 | 0,80 | 3 |
| BLC3X12035RVNT160 | BLW3X12035RVNT160 | 12,0 | 12 | 27 | 48 | 11,0 | 110 | 1,60 | 3 |
| BLC3X12035RVNT200 | BLW3X12035RVNT200 | 12,0 | 12 | 27 | 48 | 11,0 | 110 | 2,00 | 3 |
| BLC3X12035RVNT250 | BLW3X12035RVNT250 | 12,0 | 12 | 27 | 48 | 11,0 | 110 | 2,50 | 3 |
| BLC3X16035RVNT020 | BLW3X16035RVNT020 | 16,0 | 16 | 36 | 64 | 15,0 | 130 | 0,20 | 3 |
| BLC3X16035RVNT040 | BLW3X16035RVNT040 | 16,0 | 16 | 36 | 64 | 15,0 | 130 | 0,40 | 3 |
| BLC3X16035RVNT080 | BLW3X16035RVNT080 | 16,0 | 16 | 36 | 64 | 15,0 | 130 | 0,80 | 3 |
| BLC3X16035RVNT160 | BLW3X16035RVNT160 | 16,0 | 16 | 36 | 64 | 15,0 | 130 | 1,60 | 3 |
| BLC3X16035RVNT200 | BLW3X16035RVNT200 | 16,0 | 16 | 36 | 64 | 15,0 | 130 | 2,00 | 3 |
| BLC3X16035RVNT250 | BLW3X16035RVNT250 | 16,0 | 16 | 36 | 64 | 15,0 | 130 | 2,50 | 3 |
| BLC3X16035RVNT320 | BLW3X16035RVNT320 | 16,0 | 16 | 36 | 64 | 15,0 | 130 | 3,20 | 3 |
| BLC3X16035RVNT400 | BLW3X16035RVNT400 | 16,0 | 16 | 36 | 64 | 15,0 | 130 | 4,00 | 3 |
| BLC3X16035RVNT500 | BLW3X16035RVNT500 | 16,0 | 16 | 36 | 64 | 15,0 | 130 | 5,00 | 3 |
| BLC3X20035RVNT020 | BLW3X20035RVNT020 | 20,0 | 20 | 44 | 80 | 19,0 | 150 | 0,20 | 3 |
| BLC3X20035RVNT040 | BLW3X20035RVNT040 | 20,0 | 20 | 44 | 80 | 19,0 | 150 | 0,40 | 3 |
| BLC3X20035RVNT080 | BLW3X20035RVNT080 | 20,0 | 20 | 44 | 80 | 19,0 | 150 | 0,80 | 3 |
| BLC3X20035RVNT160 | BLW3X20035RVNT160 | 20,0 | 20 | 44 | 80 | 19,0 | 150 | 1,60 | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |

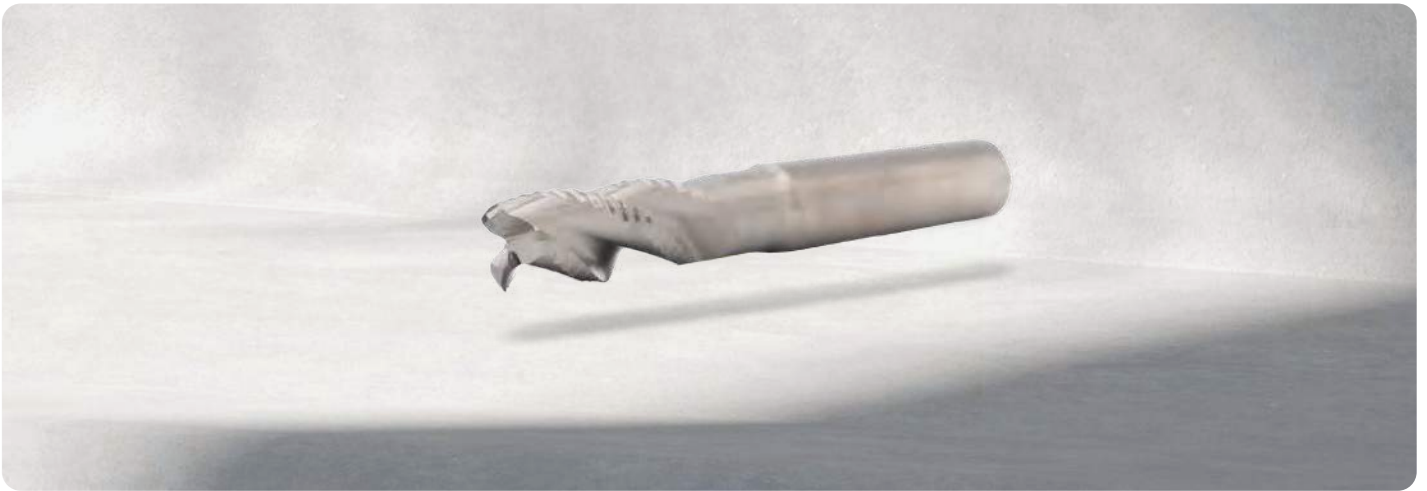


| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-------------|
| | 0,3 * Dc | Lc | 0,5 * Dc | 0,0125 * Dc |
| | 0,3 * Dc | Lc | 1 * Dc | 0,0100 * Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|-------------------|-------------------|------|----|----|-----|------|-----|------|---|
| BLC3X20035RVNT200 | BLW3X20035RVNT200 | 20,0 | 20 | 44 | 80 | 19,0 | 150 | 2,00 | 3 |
| BLC3X20035RVNT320 | BLW3X20035RVNT320 | 20,0 | 20 | 44 | 80 | 19,0 | 150 | 3,20 | 3 |
| BLC3X20035RVNT400 | BLW3X20035RVNT400 | 20,0 | 20 | 44 | 80 | 19,0 | 150 | 4,00 | 3 |
| BLC3X20035RVNT500 | BLW3X20035RVNT500 | 20,0 | 20 | 44 | 80 | 19,0 | 150 | 5,00 | 3 |
| BLC3X20035RVNT600 | BLW3X20035RVNT600 | 20,0 | 20 | 44 | 80 | 19,0 | 150 | 6,00 | 3 |
| BLC3X25035RVNT020 | BLW3X25035RVNT020 | 25,0 | 25 | 55 | 100 | 24,0 | 185 | 0,20 | 3 |
| BLC3X25035RVNT040 | BLW3X25035RVNT040 | 25,0 | 25 | 55 | 100 | 24,0 | 185 | 0,40 | 3 |
| BLC3X25035RVNT160 | BLW3X25035RVNT160 | 25,0 | 25 | 55 | 100 | 24,0 | 185 | 1,60 | 3 |
| BLC3X25035RVNT200 | BLW3X25035RVNT200 | 25,0 | 25 | 55 | 100 | 24,0 | 185 | 2,00 | 3 |
| BLC3X25035RVNT320 | BLW3X25035RVNT320 | 25,0 | 25 | 55 | 100 | 24,0 | 185 | 3,20 | 3 |
| BLC3X25035RVNT400 | BLW3X25035RVNT400 | 25,0 | 25 | 55 | 100 | 24,0 | 185 | 4,00 | 3 |
| BLC3X25035RVNT500 | BLW3X25035RVNT500 | 25,0 | 25 | 55 | 100 | 24,0 | 185 | 5,00 | 3 |
| BLC3X25035RVNT600 | BLW3X25035RVNT600 | 25,0 | 25 | 55 | 100 | 24,0 | 185 | 6,00 | 3 |
| BLC3X25035RVNT635 | BLW3X25035RVNT635 | 25,0 | 25 | 55 | 100 | 24,0 | 185 | 6,35 | 3 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |



Ap
[min]

$0,3 * D_c$

$0,3 * D_c$

-

-

-

-

-

Ap
[max]

Lc

Lc

-

-

-

-

-

Ae
[max]

$0,5 * D_c$

$1 * D_c$

-

-

-

-

-

fz

$0,0125 * D_c$

$0,0100 * D_c$

-

-

-

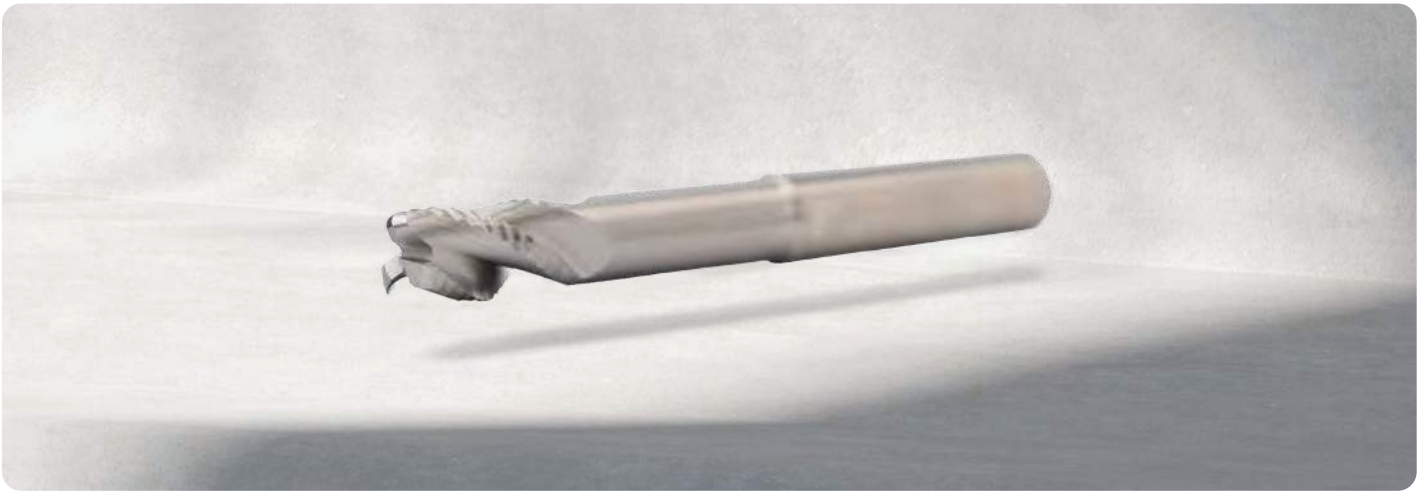
-

-



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|--------------------|--------------------|------|----|----|-----|------|-----|------|---|
| BLC3X03035XRVNT010 | BLW3X03035XRVNT010 | 3,0 | 6 | 5 | 15 | 2,7 | 54 | 0,10 | 3 |
| BLC3X04035XRVNT020 | BLW3X04035XRVNT020 | 4,0 | 6 | 7 | 20 | 3,6 | 57 | 0,20 | 3 |
| BLC3X05035XRVNT020 | BLW3X05035XRVNT020 | 5,0 | 6 | 9 | 25 | 4,5 | 62 | 0,20 | 3 |
| BLC3X06035XRVNT020 | BLW3X06035XRVNT020 | 6,0 | 6 | 10 | 30 | 5,4 | 70 | 0,20 | 3 |
| BLC3X06035XRVNT040 | BLW3X06035XRVNT040 | 6,0 | 6 | 10 | 30 | 5,4 | 70 | 0,40 | 3 |
| BLC3X06035XRVNT080 | BLW3X06035XRVNT080 | 6,0 | 6 | 10 | 30 | 5,4 | 70 | 0,80 | 3 |
| BLC3X08035XRVNT020 | BLW3X08035XRVNT020 | 8,0 | 8 | 14 | 40 | 7,2 | 80 | 0,20 | 3 |
| BLC3X08035XRVNT040 | BLW3X08035XRVNT040 | 8,0 | 8 | 14 | 40 | 7,2 | 80 | 0,40 | 3 |
| BLC3X08035XRVNT080 | BLW3X08035XRVNT080 | 8,0 | 8 | 14 | 40 | 7,2 | 80 | 0,80 | 3 |
| BLC3X10035XRVNT020 | BLW3X10035XRVNT020 | 10,0 | 10 | 17 | 50 | 9,0 | 90 | 0,20 | 3 |
| BLC3X10035XRVNT040 | BLW3X10035XRVNT040 | 10,0 | 10 | 17 | 50 | 9,0 | 90 | 0,40 | 3 |
| BLC3X10035XRVNT080 | BLW3X10035XRVNT080 | 10,0 | 10 | 17 | 50 | 9,0 | 90 | 0,80 | 3 |
| BLC3X10035XRVNT160 | BLW3X10035XRVNT160 | 10,0 | 10 | 17 | 50 | 9,0 | 90 | 1,60 | 3 |
| BLC3X12035XRVNT020 | BLW3X12035XRVNT020 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 0,20 | 3 |
| BLC3X12035XRVNT040 | BLW3X12035XRVNT040 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 0,40 | 3 |
| BLC3X12035XRVNT080 | BLW3X12035XRVNT080 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 0,80 | 3 |
| BLC3X12035XRVNT160 | BLW3X12035XRVNT160 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 1,60 | 3 |
| BLC3X12035XRVNT200 | BLW3X12035XRVNT200 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 2,00 | 3 |
| BLC3X12035XRVNT250 | BLW3X12035XRVNT250 | 12,0 | 12 | 20 | 60 | 11,0 | 110 | 2,50 | 3 |
| BLC3X16035XRVNT020 | BLW3X16035XRVNT020 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 0,20 | 3 |
| BLC3X16035XRVNT040 | BLW3X16035XRVNT040 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 0,40 | 3 |
| BLC3X16035XRVNT080 | BLW3X16035XRVNT080 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 0,80 | 3 |
| BLC3X16035XRVNT160 | BLW3X16035XRVNT160 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 1,60 | 3 |
| BLC3X16035XRVNT200 | BLW3X16035XRVNT200 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 2,00 | 3 |
| BLC3X16035XRVNT250 | BLW3X16035XRVNT250 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 2,50 | 3 |
| BLC3X16035XRVNT320 | BLW3X16035XRVNT320 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 3,20 | 3 |
| BLC3X16035XRVNT400 | BLW3X16035XRVNT400 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 4,00 | 3 |
| BLC3X16035XRVNT500 | BLW3X16035XRVNT500 | 16,0 | 16 | 27 | 80 | 15,0 | 130 | 5,00 | 3 |
| BLC3X20035XRVNT020 | BLW3X20035XRVNT020 | 20,0 | 20 | 33 | 100 | 19,0 | 150 | 0,20 | 3 |
| BLC3X20035XRVNT040 | BLW3X20035XRVNT040 | 20,0 | 20 | 33 | 100 | 19,0 | 150 | 0,40 | 3 |
| BLC3X20035XRVNT080 | BLW3X20035XRVNT080 | 20,0 | 20 | 33 | 100 | 19,0 | 150 | 0,80 | 3 |
| BLC3X20035XRVNT160 | BLW3X20035XRVNT160 | 20,0 | 20 | 33 | 100 | 19,0 | 150 | 1,60 | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |

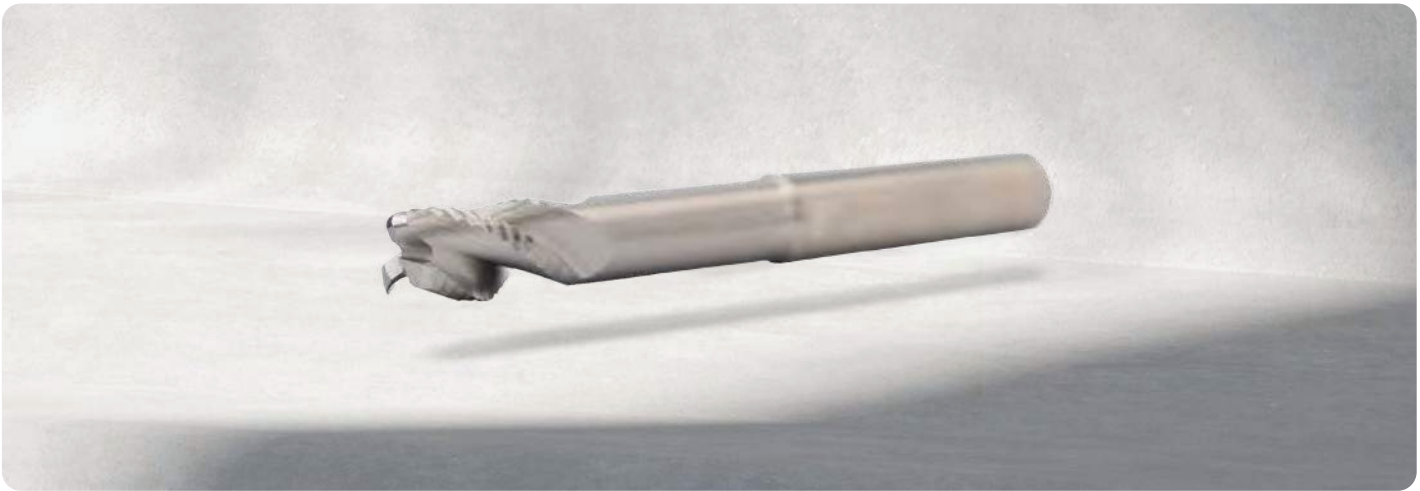


| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-------------|
| | 0,3 * Dc | Lc | 0,5 * Dc | 0,0125 * Dc |
| | 0,3 * Dc | Lc | 1 * Dc | 0,0100 * Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | r | z |
|--------------------|--------------------|------|----|----|-----|------|-----|------|---|
| BLC3X20035XRVNT200 | BLW3X20035XRVNT200 | 20,0 | 20 | 33 | 100 | 19,0 | 150 | 2,00 | 3 |
| BLC3X20035XRVNT320 | BLW3X20035XRVNT320 | 20,0 | 20 | 33 | 100 | 19,0 | 150 | 3,20 | 3 |
| BLC3X20035XRVNT400 | BLW3X20035XRVNT400 | 20,0 | 20 | 33 | 100 | 19,0 | 150 | 4,00 | 3 |
| BLC3X20035XRVNT500 | BLW3X20035XRVNT500 | 20,0 | 20 | 33 | 100 | 19,0 | 150 | 5,00 | 3 |
| BLC3X20035XRVNT600 | BLW3X20035XRVNT600 | 20,0 | 20 | 33 | 100 | 19,0 | 150 | 6,00 | 3 |
| BLC3X25035XRVNT020 | BLW3X25035XRVNT020 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 0,20 | 3 |
| BLC3X25035XRVNT040 | BLW3X25035XRVNT040 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 0,40 | 3 |
| BLC3X25035XRVNT160 | BLW3X25035XRVNT160 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 1,60 | 3 |
| BLC3X25035XRVNT200 | BLW3X25035XRVNT200 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 2,00 | 3 |
| BLC3X25035XRVNT320 | BLW3X25035XRVNT320 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 3,20 | 3 |
| BLC3X25035XRVNT400 | BLW3X25035XRVNT400 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 4,00 | 3 |
| BLC3X25035XRVNT500 | BLW3X25035XRVNT500 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 5,00 | 3 |
| BLC3X25035XRVNT600 | BLW3X25035XRVNT600 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 6,00 | 3 |
| BLC3X25035XRVNT635 | BLW3X25035XRVNT635 | 25,0 | 25 | 42 | 125 | 24,0 | 185 | 6,35 | 3 |

| | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| Vc | - | - | - | - | - | - | - | - | - | - | - | - | 300 | 250 | - |

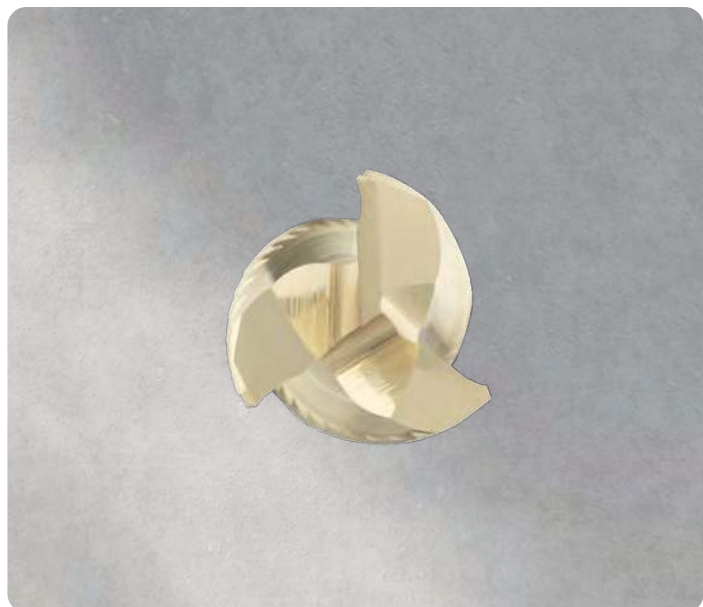


| Ap [min] | Ap [max] | Ae [max] | fz |
|-------------|-------------|-------------|-----------|
| 0,3*Dc | Lc | 0,5*Dc | 0,0125*Dc |
| 0,3*Dc | Lc | 1*Dc | 0,0100*Dc |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |



| DIN 6535 HA | DIN 6535 HB | Dc | Ds | Lc | Ln | Dn | Lt | c | z |
|----------------|----------------|------|----|----|----|------|-----|------|---|
| PLAC3L06035RVN | PLAW3L06035RVN | 6,0 | 6 | 13 | 19 | 5,7 | 57 | 0,30 | 3 |
| PLAC3L08035RVN | PLAW3L08035RVN | 8,0 | 8 | 19 | 25 | 7,6 | 63 | 0,40 | 3 |
| PLAC3L10035RVN | PLAW3L10035RVN | 10,0 | 10 | 23 | 32 | 9,5 | 72 | 0,50 | 3 |
| PLAC3L12035RVN | PLAW3L12035RVN | 12,0 | 12 | 28 | 36 | 11,5 | 83 | 0,60 | 3 |
| PLAC3L14035RVN | PLAW3L14035RVN | 14,0 | 14 | 28 | 36 | 13,5 | 83 | 0,70 | 3 |
| PLAC3L16035RVN | PLAW3L16035RVN | 16,0 | 16 | 34 | 42 | 15,5 | 92 | 0,80 | 3 |
| PLAC3L18035RVN | PLAW3L18035RVN | 18,0 | 18 | 34 | 42 | 17,5 | 92 | 0,90 | 3 |
| PLAC3L20035RVN | PLAW3L20035RVN | 20,0 | 20 | 42 | 52 | 19,5 | 104 | 1,00 | 3 |
| PLAC3L25035RVN | PLAW3L25035RVN | 25,0 | 25 | 52 | 62 | 24,0 | 120 | 1,25 | 3 |

| Vc | P1 | P2 | P3 | H1 | H2 | H3 | K1 | K2 | M1 | M2 | S1 | S2 | N1 | N2 | G |
|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|---|
| | - | - | - | - | - | - | - | - | - | - | - | - | 350 | 300 | - |



| | Ap [min] | Ap [max] | Ae [max] | fz |
|--|-------------|-------------|-------------|-----------|
| | 0,3*Dc | Lc | 0,5*Dc | 0,0140*Dc |
| | 0,3*Dc | Lc | 1*Dc | 0,0115*Dc |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |
| | - | - | - | - |

Notes