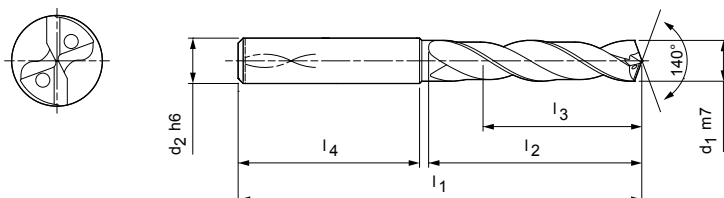


# ECU-Drill-Uni

Broca espiral de metal duro  
SCD35 (4xD), alimentação interna de refrigerante

**Modelo:**  
Diâmetro da broca: 1,00 – 20,00 mm  
Tolerância de perfuração:  $\geq IT 9$   
Revestimento: Revestimento especial TiAlN  
Número de arestas de corte: 2  
Ângulo de ponta:  $140^\circ$   
Ângulo de corte lateral:  $30^\circ$



| Dimensões construtivas |          |       |       |       |       | Forma da haste HA             |               |
|------------------------|----------|-------|-------|-------|-------|-------------------------------|---------------|
| $d_1$ m7               | $d_2$ h6 | $l_1$ | $l_2$ | $l_3$ | $l_4$ | Especificação                 | No. de pedido |
| 1,00                   | 4        | 45    | 6     | 5     | 32    | SCD351-0100-2-2-140HA04-HP765 | 30677924      |
| 1,10                   | 4        | 45    | 6,5   | 5     | 31,5  | SCD351-0110-2-2-140HA04-HP765 | 30677925      |
| 1,20                   | 4        | 45    | 7     | 5     | 31    | SCD351-0120-2-2-140HA04-HP765 | 30677926      |
| 1,30                   | 4        | 45    | 8     | 6     | 30,5  | SCD351-0130-2-2-140HA04-HP765 | 30677927      |
| 1,40                   | 4        | 45    | 8,5   | 6     | 30    | SCD351-0140-2-2-140HA04-HP765 | 30677928      |
| 1,50                   | 4        | 50    | 9     | 7     | 35    | SCD351-0150-2-2-140HA04-HP765 | 30677929      |
| 1,60                   | 4        | 50    | 9,5   | 7     | 34,5  | SCD351-0160-2-2-140HA04-HP765 | 30677930      |
| 1,70                   | 4        | 50    | 10    | 8     | 34    | SCD351-0170-2-2-140HA04-HP765 | 30677931      |
| 1,80                   | 4        | 50    | 11    | 8     | 33,5  | SCD351-0180-2-2-140HA04-HP765 | 30677932      |
| 1,90                   | 4        | 50    | 11,5  | 9     | 33    | SCD351-0190-2-2-140HA04-HP765 | 30677933      |
| 2,00                   | 4        | 50    | 12    | 9     | 33    | SCD351-0200-2-2-140HA04-HP765 | 30677934      |
| 2,10                   | 4        | 55    | 12,5  | 9     | 37,5  | SCD351-0210-2-2-140HA04-HP765 | 30677935      |
| 2,20                   | 4        | 55    | 13    | 10    | 37    | SCD351-0220-2-2-140HA04-HP765 | 30677936      |
| 2,30                   | 4        | 55    | 14    | 10    | 36,5  | SCD351-0230-2-2-140HA04-HP765 | 30677937      |
| 2,40                   | 4        | 55    | 14,5  | 11    | 36    | SCD351-0240-2-2-140HA04-HP765 | 30677938      |
| 2,50                   | 4        | 55    | 15    | 11    | 35,5  | SCD351-0250-2-2-140HA04-HP765 | 30677939      |
| 2,60                   | 4        | 55    | 15,5  | 12    | 35,5  | SCD351-0260-2-2-140HA04-HP765 | 30677940      |
| 2,70                   | 4        | 55    | 16    | 12    | 35    | SCD351-0270-2-2-140HA04-HP765 | 30677941      |
| *2,80                  | 4        | 55    | 17    | 13    | 34,5  | SCD351-0280-2-2-140HA04-HP765 | 30677942      |
| 2,90                   | 4        | 55    | 17,5  | 13    | 34    | SCD351-0290-2-2-140HA04-HP765 | 30677943      |
| 3,00                   | 6        | 62    | 22    | 16    | 36    | SCD351-0300-2-2-140HA04-HP765 | 30421828      |
| 3,10                   | 6        | 62    | 22    | 16    | 36    | SCD351-0310-2-2-140HA04-HP765 | 30421829      |
| 3,20                   | 6        | 62    | 22    | 16    | 36    | SCD351-0320-2-2-140HA04-HP765 | 30421830      |
| 3,30                   | 6        | 62    | 22    | 16    | 36    | SCD351-0330-2-2-140HA04-HP765 | 30421831      |
| 3,40                   | 6        | 62    | 22    | 16    | 36    | SCD351-0340-2-2-140HA04-HP765 | 30421832      |
| 3,50                   | 6        | 62    | 22    | 16    | 36    | SCD351-0350-2-2-140HA04-HP765 | 30421833      |
| 3,60                   | 6        | 62    | 22    | 16    | 36    | SCD351-0360-2-2-140HA04-HP765 | 30421834      |
| *3,70                  | 6        | 62    | 22    | 16    | 36    | SCD351-0370-2-2-140HA04-HP765 | 30421835      |
| 3,80                   | 6        | 66    | 26    | 22    | 36    | SCD351-0380-2-2-140HA04-HP765 | 30421836      |
| 3,90                   | 6        | 66    | 26    | 22    | 36    | SCD351-0390-2-2-140HA04-HP765 | 30421837      |
| 4,00                   | 6        | 66    | 26    | 22    | 36    | SCD351-0400-2-2-140HA04-HP765 | 30421838      |
| 4,10                   | 6        | 66    | 26    | 22    | 36    | SCD351-0410-2-2-140HA04-HP765 | 30421839      |
| 4,20                   | 6        | 66    | 26    | 22    | 36    | SCD351-0420-2-2-140HA04-HP765 | 30421840      |
| 4,30                   | 6        | 66    | 26    | 22    | 36    | SCD351-0430-2-2-140HA04-HP765 | 30421842      |
| 4,40                   | 6        | 66    | 26    | 22    | 36    | SCD351-0440-2-2-140HA04-HP765 | 30421843      |

ECU-Drill-Uni | broca espiral de metal duro SCD35 (4xD), alimentação interna de refrigerante

| Dimensões construtivas |                   |                |                |                |                | Forma da haste HA             |               |
|------------------------|-------------------|----------------|----------------|----------------|----------------|-------------------------------|---------------|
| d <sub>1</sub> m7      | d <sub>2</sub> h6 | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | Especificação                 | No. de pedido |
| 4,50                   | 6                 | 66             | 26             | 22             | 36             | SCD351-0450-2-2-140HA04-HP765 | 30421844      |
| 4,60                   | 6                 | 66             | 26             | 22             | 36             | SCD351-0460-2-2-140HA04-HP765 | 30421845      |
| *4,65                  | 6                 | 66             | 26             | 22             | 36             | SCD351-0465-2-2-140HA04-HP765 | 30421846      |
| 4,70                   | 6                 | 66             | 26             | 22             | 36             | SCD351-0470-2-2-140HA04-HP765 | 30421847      |
| 4,80                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0480-2-2-140HA04-HP765 | 30421848      |
| 4,90                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0490-2-2-140HA04-HP765 | 30421849      |
| 5,00                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0500-2-2-140HA04-HP765 | 30421850      |
| 5,10                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0510-2-2-140HA04-HP765 | 30421851      |
| 5,20                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0520-2-2-140HA04-HP765 | 30421852      |
| 5,30                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0530-2-2-140HA04-HP765 | 30421853      |
| 5,40                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0540-2-2-140HA04-HP765 | 30421854      |
| 5,50                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0550-2-2-140HA04-HP765 | 30421855      |
| *5,55                  | 6                 | 66             | 30             | 24             | 36             | SCD351-0555-2-2-140HA04-HP765 | 30421856      |
| 5,60                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0560-2-2-140HA04-HP765 | 30421857      |
| 5,70                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0570-2-2-140HA04-HP765 | 30421858      |
| 5,80                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0580-2-2-140HA04-HP765 | 30421859      |
| 5,90                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0590-2-2-140HA04-HP765 | 30421860      |
| 6,00                   | 6                 | 66             | 30             | 24             | 36             | SCD351-0600-2-2-140HA04-HP765 | 30421861      |
| 6,10                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0610-2-2-140HA04-HP765 | 30421862      |
| 6,20                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0620-2-2-140HA04-HP765 | 30421863      |
| 6,30                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0630-2-2-140HA04-HP765 | 30421864      |
| 6,40                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0640-2-2-140HA04-HP765 | 30421865      |
| 6,50                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0650-2-2-140HA04-HP765 | 30421866      |
| 6,60                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0660-2-2-140HA04-HP765 | 30421867      |
| 6,70                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0670-2-2-140HA04-HP765 | 30421868      |
| 6,80                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0680-2-2-140HA04-HP765 | 30421869      |
| 6,90                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0690-2-2-140HA04-HP765 | 30421870      |
| 7,00                   | 8                 | 79             | 38             | 30             | 36             | SCD351-0700-2-2-140HA04-HP765 | 30421871      |
| 7,10                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0710-2-2-140HA04-HP765 | 30421872      |
| 7,20                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0720-2-2-140HA04-HP765 | 30421873      |
| 7,30                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0730-2-2-140HA04-HP765 | 30421874      |
| 7,40                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0740-2-2-140HA04-HP765 | 30421875      |
| *7,45                  | 8                 | 79             | 42             | 34             | 36             | SCD351-0745-2-2-140HA04-HP765 | 30569196      |
| 7,50                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0750-2-2-140HA04-HP765 | 30421876      |
| 7,60                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0760-2-2-140HA04-HP765 | 30421878      |
| 7,70                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0770-2-2-140HA04-HP765 | 30421879      |
| 7,80                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0780-2-2-140HA04-HP765 | 30421880      |
| 7,90                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0790-2-2-140HA04-HP765 | 30421881      |
| 8,00                   | 8                 | 79             | 42             | 34             | 36             | SCD351-0800-2-2-140HA04-HP765 | 30421882      |
| 8,10                   | 10                | 89             | 49             | 38             | 40             | SCD351-0810-2-2-140HA04-HP765 | 30421883      |
| 8,20                   | 10                | 89             | 49             | 38             | 40             | SCD351-0820-2-2-140HA04-HP765 | 30421884      |
| 8,30                   | 10                | 89             | 49             | 38             | 40             | SCD351-0830-2-2-140HA04-HP765 | 30421885      |
| 8,40                   | 10                | 89             | 49             | 38             | 40             | SCD351-0840-2-2-140HA04-HP765 | 30421886      |
| 8,50                   | 10                | 89             | 49             | 38             | 40             | SCD351-0850-2-2-140HA04-HP765 | 30421887      |
| 8,60                   | 10                | 89             | 49             | 38             | 40             | SCD351-0860-2-2-140HA04-HP765 | 30421888      |
| 8,70                   | 10                | 89             | 49             | 38             | 40             | SCD351-0870-2-2-140HA04-HP765 | 30421889      |
| 8,80                   | 10                | 89             | 49             | 38             | 40             | SCD351-0880-2-2-140HA04-HP765 | 30421890      |
| 8,90                   | 10                | 89             | 49             | 38             | 40             | SCD351-0890-2-2-140HA04-HP765 | 30421891      |
| 9,00                   | 10                | 89             | 49             | 38             | 40             | SCD351-0900-2-2-140HA04-HP765 | 30421892      |
| 9,10                   | 10                | 89             | 49             | 38             | 40             | SCD351-0910-2-2-140HA04-HP765 | 30421893      |
| 9,20                   | 10                | 89             | 49             | 38             | 40             | SCD351-0920-2-2-140HA04-HP765 | 30421894      |
| *9,30                  | 10                | 89             | 49             | 40             | 40             | SCD351-0930-2-2-140HA04-HP765 | 30421896      |
| 9,40                   | 10                | 89             | 49             | 40             | 40             | SCD351-0940-2-2-140HA04-HP765 | 30421897      |
| 9,50                   | 10                | 89             | 49             | 40             | 40             | SCD351-0950-2-2-140HA04-HP765 | 30421898      |
| 9,60                   | 10                | 89             | 49             | 40             | 40             | SCD351-0960-2-2-140HA04-HP765 | 30421899      |

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ECU-Drill-Uni | broca espiral de metal duro SCD35 (4xD), alimentação interna de refrigerante

| Dimensões construtivas |                   |                |                |                |                | Forma da haste HA             |               |
|------------------------|-------------------|----------------|----------------|----------------|----------------|-------------------------------|---------------|
| d <sub>1</sub> m7      | d <sub>2</sub> h6 | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | Especificação                 | No. de pedido |
| 9,70                   | 10                | 89             | 49             | 40             | 40             | SCD351-0970-2-2-140HA04-HP765 | 30421900      |
| 9,80                   | 10                | 89             | 49             | 40             | 40             | SCD351-0980-2-2-140HA04-HP765 | 30421901      |
| 9,90                   | 10                | 89             | 49             | 40             | 40             | SCD351-0990-2-2-140HA04-HP765 | 30421902      |
| 10,00                  | 10                | 89             | 49             | 40             | 40             | SCD351-1000-2-2-140HA04-HP765 | 30421903      |
| 10,10                  | 12                | 102            | 56             | 45             | 45             | SCD351-1010-2-2-140HA04-HP765 | 30421904      |
| 10,20                  | 12                | 102            | 56             | 45             | 45             | SCD351-1020-2-2-140HA04-HP765 | 30421905      |
| 10,30                  | 12                | 102            | 56             | 45             | 45             | SCD351-1030-2-2-140HA04-HP765 | 30421906      |
| 10,40                  | 12                | 102            | 56             | 45             | 45             | SCD351-1040-2-2-140HA04-HP765 | 30421907      |
| 10,50                  | 12                | 102            | 56             | 45             | 45             | SCD351-1050-2-2-140HA04-HP765 | 30421908      |
| 10,60                  | 12                | 102            | 56             | 45             | 45             | SCD351-1060-2-2-140HA04-HP765 | 30421909      |
| 10,70                  | 12                | 102            | 56             | 45             | 45             | SCD351-1070-2-2-140HA04-HP765 | 30421910      |
| 10,80                  | 12                | 102            | 56             | 45             | 45             | SCD351-1080-2-2-140HA04-HP765 | 30421911      |
| 10,90                  | 12                | 102            | 56             | 45             | 45             | SCD351-1090-2-2-140HA04-HP765 | 30421912      |
| 11,00                  | 12                | 102            | 56             | 45             | 45             | SCD351-1100-2-2-140HA04-HP765 | 30421913      |
| 11,10                  | 12                | 102            | 56             | 45             | 45             | SCD351-1110-2-2-140HA04-HP765 | 30421914      |
| *11,20                 | 12                | 102            | 56             | 45             | 45             | SCD351-1120-2-2-140HA04-HP765 | 30421915      |
| 11,30                  | 12                | 102            | 56             | 45             | 45             | SCD351-1130-2-2-140HA04-HP765 | 30421916      |
| 11,40                  | 12                | 102            | 56             | 45             | 45             | SCD351-1140-2-2-140HA04-HP765 | 30421917      |
| 11,50                  | 12                | 102            | 56             | 45             | 45             | SCD351-1150-2-2-140HA04-HP765 | 30421918      |
| 11,60                  | 12                | 102            | 56             | 45             | 45             | SCD351-1160-2-2-140HA04-HP765 | 30421919      |
| 11,70                  | 12                | 102            | 56             | 45             | 45             | SCD351-1170-2-2-140HA04-HP765 | 30421920      |
| 11,80                  | 12                | 102            | 56             | 45             | 45             | SCD351-1180-2-2-140HA04-HP765 | 30421921      |
| 11,90                  | 12                | 102            | 56             | 45             | 45             | SCD351-1190-2-2-140HA04-HP765 | 30421922      |
| 12,00                  | 12                | 102            | 56             | 45             | 45             | SCD351-1200-2-2-140HA04-HP765 | 30421923      |
| 12,20                  | 14                | 107            | 61             | 50             | 45             | SCD351-1220-2-2-140HA04-HP765 | 30421924      |
| 12,50                  | 14                | 107            | 61             | 50             | 45             | SCD351-1250-2-2-140HA04-HP765 | 30421925      |
| 12,70                  | 14                | 107            | 61             | 50             | 45             | SCD351-1270-2-2-140HA04-HP765 | 30421926      |
| 12,80                  | 14                | 107            | 61             | 50             | 45             | SCD351-1280-2-2-140HA04-HP765 | 30421927      |
| 13,00                  | 14                | 107            | 61             | 50             | 45             | SCD351-1300-2-2-140HA04-HP765 | 30421928      |
| 13,20                  | 14                | 107            | 61             | 50             | 45             | SCD351-1320-2-2-140HA04-HP765 | 30454073      |
| 13,50                  | 14                | 107            | 61             | 50             | 45             | SCD351-1350-2-2-140HA04-HP765 | 30421929      |
| 13,70                  | 14                | 107            | 61             | 50             | 45             | SCD351-1370-2-2-140HA04-HP765 | 30421930      |
| 13,80                  | 14                | 107            | 61             | 50             | 45             | SCD351-1380-2-2-140HA04-HP765 | 30421931      |
| 14,00                  | 14                | 107            | 61             | 50             | 45             | SCD351-1400-2-2-140HA04-HP765 | 30421932      |
| 14,20                  | 16                | 115            | 65             | 51             | 48             | SCD351-1420-2-2-140HA04-HP765 | 30421934      |
| 14,50                  | 16                | 115            | 65             | 51             | 48             | SCD351-1450-2-2-140HA04-HP765 | 30421935      |
| 14,70                  | 16                | 115            | 65             | 51             | 48             | SCD351-1470-2-2-140HA04-HP765 | 30569197      |
| 14,80                  | 16                | 115            | 65             | 51             | 48             | SCD351-1480-2-2-140HA04-HP765 | 30421936      |
| 15,00                  | 16                | 115            | 65             | 51             | 48             | SCD351-1500-2-2-140HA04-HP765 | 30421937      |
| 15,10                  | 16                | 115            | 65             | 51             | 48             | SCD351-1510-2-2-140HA04-HP765 | 30421938      |
| 15,20                  | 16                | 115            | 65             | 51             | 48             | SCD351-1520-2-2-140HA04-HP765 | 30421939      |
| 15,50                  | 16                | 115            | 65             | 51             | 48             | SCD351-1550-2-2-140HA04-HP765 | 30421941      |
| 15,70                  | 16                | 115            | 65             | 51             | 48             | SCD351-1570-2-2-140HA04-HP765 | 30421942      |
| 15,80                  | 16                | 115            | 65             | 51             | 48             | SCD351-1580-2-2-140HA04-HP765 | 30421943      |
| 16,00                  | 16                | 115            | 65             | 51             | 48             | SCD351-1600-2-2-140HA04-HP765 | 30421944      |
| 16,50                  | 18                | 123            | 73             | 53             | 48             | SCD351-1650-2-2-140HA04-HP765 | 30421946      |
| 16,80                  | 18                | 123            | 73             | 53             | 48             | SCD351-1680-2-2-140HA04-HP765 | 30569199      |
| 17,00                  | 18                | 123            | 73             | 53             | 48             | SCD351-1700-2-2-140HA04-HP765 | 30421947      |
| 17,30                  | 18                | 123            | 73             | 53             | 48             | SCD351-1730-2-2-140HA04-HP765 | 30421949      |
| 17,50                  | 18                | 123            | 73             | 53             | 48             | SCD351-1750-2-2-140HA04-HP765 | 30421950      |
| 17,70                  | 18                | 123            | 73             | 53             | 48             | SCD351-1770-2-2-140HA04-HP765 | 30421951      |
| 17,80                  | 18                | 123            | 73             | 53             | 48             | SCD351-1780-2-2-140HA04-HP765 | 30569200      |
| 18,00                  | 18                | 123            | 73             | 53             | 48             | SCD351-1800-2-2-140HA04-HP765 | 30421952      |
| 18,50                  | 20                | 131            | 79             | 55             | 50             | SCD351-1850-2-2-140HA04-HP765 | 30421953      |
| 18,80                  | 20                | 131            | 79             | 55             | 50             | SCD351-1880-2-2-140HA04-HP765 | 30569201      |

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**ECU-Drill-Uni | broca espiral de metal duro SCD35 (4xD), alimentação interna de refrigerante**

| Dimensões construtivas |                   |                |                |                |                | Forma da haste HA             |               |
|------------------------|-------------------|----------------|----------------|----------------|----------------|-------------------------------|---------------|
| d <sub>1</sub> m7      | d <sub>2</sub> h6 | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub> | Especificação                 | No. de pedido |
| 19,00                  | 20                | 131            | 79             | 55             | 50             | SCD351-1900-2-2-140HA04-HP765 | 30421954      |
| 19,50                  | 20                | 131            | 79             | 55             | 50             | SCD351-1950-2-2-140HA04-HP765 | 30421956      |
| 19,80                  | 20                | 131            | 79             | 55             | 50             | SCD351-1980-2-2-140HA04-HP765 | 30569202      |
| 20,00                  | 20                | 131            | 79             | 55             | 50             | SCD351-2000-2-2-140HA04-HP765 | 30421957      |

Dimensões em mm.

\* Especialmente apropriada para a confecção prévia do furo central para macho rosqueador.

Para recomendação de valor de corte, ver página 458 ff.

Modelos especiais e outros revestimentos sob consulta.