

| Drill Dia.<br>D1<br>(mm) | Hole Depth<br>(l/d) | Coolant<br>(Int./Ext.) | Stock<br>VP15TF | Order Number | Dimensions (mm) |     |     |    | Type |
|--------------------------|---------------------|------------------------|-----------------|--------------|-----------------|-----|-----|----|------|
|                          |                     |                        |                 |              | L3              | L2  | L1  | D4 |      |
| 11.6                     | 1                   | Int.                   | □               | MHS1160L040B | 40              | 40  | 100 | 12 | 3    |
|                          | 5                   | Int.                   | □               | 1160L090B    | 90              | 90  | 150 | 12 | 4    |
|                          | 8                   | Int.                   | □               | 1160L120B    | 120             | 120 | 180 | 12 | 4    |
|                          | 10                  | Int.                   | □               | 1160L150B    | 150             | 150 | 210 | 12 | 4    |
|                          | 15                  | Int.                   | □               | 1160L200B    | 200             | 200 | 260 | 12 | 4    |
|                          | 19                  | Int.                   | □               | 1160L250B    | 250             | 250 | 310 | 12 | 4    |
|                          | 23                  | Int.                   | □               | 1160L300B    | 300             | 300 | 360 | 12 | 4    |
| 11.7                     | 1                   | Int.                   | □               | 1170L040B    | 40              | 40  | 100 | 12 | 3    |
|                          | 5                   | Int.                   | □               | 1170L090B    | 90              | 90  | 150 | 12 | 4    |
|                          | 8                   | Int.                   | □               | 1170L120B    | 120             | 120 | 180 | 12 | 4    |
|                          | 10                  | Int.                   | □               | 1170L150B    | 150             | 150 | 210 | 12 | 4    |
|                          | 15                  | Int.                   | □               | 1170L200B    | 200             | 200 | 260 | 12 | 4    |
|                          | 19                  | Int.                   | □               | 1170L250B    | 250             | 250 | 310 | 12 | 4    |
|                          | 23                  | Int.                   | □               | 1170L300B    | 300             | 300 | 360 | 12 | 4    |
| 11.8                     | 1                   | Int.                   | ★               | 1180L040B    | 40              | 40  | 100 | 12 | 3    |
|                          | 5                   | Int.                   | ★               | 1180L090B    | 90              | 90  | 150 | 12 | 4    |
|                          | 8                   | Int.                   | ★               | 1180L120B    | 120             | 120 | 180 | 12 | 4    |
|                          | 10                  | Int.                   | ★               | 1180L150B    | 150             | 150 | 210 | 12 | 4    |
|                          | 14                  | Int.                   | ★               | 1180L200B    | 200             | 200 | 260 | 12 | 4    |
|                          | 19                  | Int.                   | ★               | 1180L250B    | 250             | 250 | 310 | 12 | 4    |
|                          | 23                  | Int.                   | ★               | 1180L300B    | 300             | 300 | 360 | 12 | 4    |
| 11.9                     | 1                   | Int.                   | □               | 1190L040B    | 40              | 40  | 100 | 12 | 3    |
|                          | 5                   | Int.                   | □               | 1190L090B    | 90              | 90  | 150 | 12 | 4    |
|                          | 8                   | Int.                   | □               | 1190L120B    | 120             | 120 | 180 | 12 | 4    |
|                          | 10                  | Int.                   | □               | 1190L150B    | 150             | 150 | 210 | 12 | 4    |
|                          | 14                  | Int.                   | □               | 1190L200B    | 200             | 200 | 260 | 12 | 4    |
|                          | 19                  | Int.                   | □               | 1190L250B    | 250             | 250 | 310 | 12 | 4    |
|                          | 23                  | Int.                   | □               | 1190L300B    | 300             | 300 | 360 | 12 | 4    |
| 12.0                     | 1                   | Int.                   | ●               | 1200L040B    | 40              | 40  | 100 | 12 | 3    |
|                          | 5                   | Int.                   | ●               | 1200L090B    | 90              | 90  | 150 | 12 | 4    |
|                          | 7                   | Int.                   | ●               | 1200L120B    | 120             | 120 | 180 | 12 | 4    |
|                          | 10                  | Int.                   | ●               | 1200L150B    | 150             | 150 | 210 | 12 | 4    |
|                          | 14                  | Int.                   | ●               | 1200L200B    | 200             | 200 | 260 | 12 | 4    |
|                          | 18                  | Int.                   | ●               | 1200L250B    | 250             | 250 | 310 | 12 | 4    |
|                          | 22                  | Int.                   | ●               | 1200L300B    | 300             | 300 | 360 | 12 | 4    |