

NACHI

ものづくりの世界に革命を起こす

アクアREVOドリルオイルホール

AQRVDOH3D/5D/8D

REvolutionize for the Manufacturing
AquaREVO Drills Oil-Hole



ものづくりの世界に革命を起こす

レボ アクアREVOドリルオイルホール

AQRVDOH3D/5D/8D

材料、形状、コーティングの全てを一新した
アクアREVOシリーズに新発想のオイルホールが誕生
REVO-Dコートと超平滑化処理に加え、流体解析の活用により
冷却性 / 潤滑性 / 切りくず排出性 をさらに向上

REVOlutionize for the Manufacturing
AquaREVO Drills Oil-Hole

New concept Oil-Hole was born in AquaREVO series that material, design, coating are completely all renewed
In addition to REVO-D coat and super smooth surface treatment, the use of fluid analysis further improves cooling, lubrication, and smooth chip evacuation



VIDEO LINK

新オイルホール形状
New Oil-Hole design

REVO Power Cooler

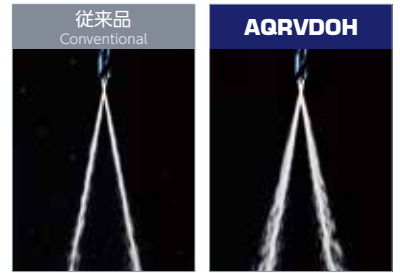
圧倒的な流量

Overwhelming flow rate

オイルホールの断面積・吐出量は
従来品の2倍以上

Cross-sectional area and coolant amount of the oil hole
are more than twice that of conventional.

VIDEO LINK

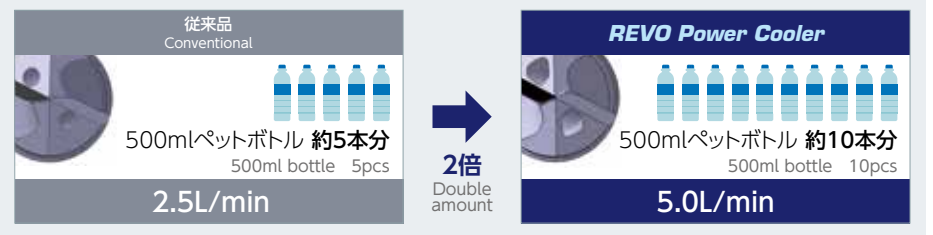


1分間あたりの排出量

(ドリル: φ8.0 吐出圧: 1.5MPa 回転数: 4,800min⁻¹)

Amount per 1 minute

(Drill: φ8.0 Coolant Pressure:1.5MPa Rotation: 4,800min⁻¹)

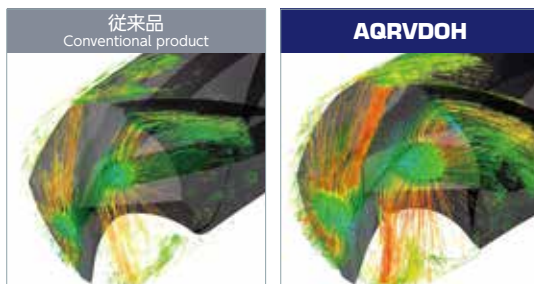


冷却性の向上

Improved cooling

コーナーやシンニングへの
流量、流速を増加

Increased flow rate and flow velocity of corners and thinning



VIDEO LINK



加工硬化を抑制

Suppresses work hardening

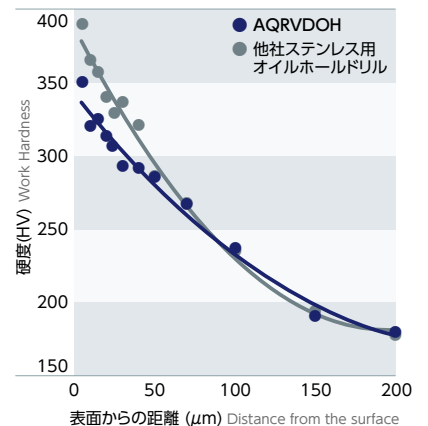
後工程の寿命と
精度も向上

Tool life and accuracy will
improve after drilling process

加工硬化の比較

内部硬さ
被削材:SUS304

Comparison
of work hardening
Internal hardness
Work material:SUS304



抜群の長寿命 摩耗抑制

Excellent tool life Wear suppression

他のドリルを凌駕する耐久性と安定性

Durability and stability surpass other drills



ステンレスで驚異的な長寿命

Incredible tool life even in stainless steel drilling

汎用ドリルでありながら、ステンレス用ドリルと比較しても、2倍以上の穴あけ加工を実現

Although it is a multi-purpose drill, even compared to the drill for Stainless steel, more than twice as much drilling



一般鋼からステンレス、高硬度材まで、幅広い被削材に対応

Compatible with a wide range of materials from Structural steel to Stainless steel and Hardened steel

被削材対応表 Applicable Work Materials

| | 穴あけ深さ L/D | 一般構造用鋼 | 炭素鋼 | 合金鋼調質鋼 | ダイス鋼 プレハードン鋼 | 高硬度鋼 | | | ステンレス鋼 | | | Ti合金 | Ni基合金 | 鋳鉄 | アルミニウム合金 |
|-----------|-----------|------------------|--------------|--------------------------------|-------------------------------|----------------|-----------------|-----------|---------------|----------------|--------------------|-----------|----------------|--------|----------|
| | | Structural Steel | Carbon Steel | Alloy Steel Heat Treated Steel | Mold Steel Pre-Hardened Steel | Hardened Steel | Stainless Steel | | | Titanium Alloy | Nickel based Alloy | Cast Iron | Aluminum Alloy | | |
| | | SS400 | S45C S50C | SCM SCr | 30~40 HRC | 40~50 HRC | 50~57 HRC | 58~65 HRC | SUS304 SUS316 | SUS420 | SUS630 | Ti-6Al-4V | インコネルハステロイ | FC FCD | AC ADC |
| AQRVDOH3D | 3 | ◎ | ◎ | ◎ | ◎ | ◎ | ○ | — | ◎ | ◎ | ◎ | ○ | ○ | ◎ | ○ |
| AQRVDOH5D | 5 | ◎ | ◎ | ◎ | ◎ | ◎ | ○ | — | ◎ | ◎ | ◎ | ○ | ○ | ◎ | ○ |
| AQRVDOH8D | 8 | ◎ | ◎ | ◎ | ◎ | ◎ | ○ | — | ◎ | ◎ | ◎ | ○ | ○ | ◎ | ○ |

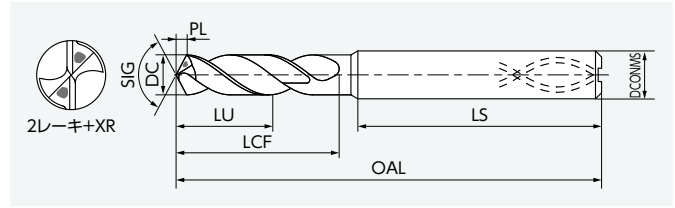
◎: 最適 Excellent ○: 適用 Good —: 推奨しません Not recommended

AQRVDOH3D

超硬 REVO D h7 140° 26°~30° h6 3.0-16.0
工具材料 コーティング 直径許容差 先端角 ねじれ角 シャンク許容差 直径範囲

レボ アクアREVOドリルオイルホール 3D

AquaREVO Drills Oil-Hole 3D



LIST9864 オーダ方法 Order 商品記号 Code

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|-----|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH3D0300 | 3.0 | 9.0 | 19 | 48.0 | 68 | 3 | 0.5 | | 11,200 |
| AQRVDOH3D0310 | 3.1 | 9.3 | | 49.2 | | | 0.6 | | 12,000 |
| AQRVDOH3D0320 | 3.2 | 9.6 | | 49.3 | | | 0.6 | | 12,000 |
| AQRVDOH3D0330 | 3.3 | 9.9 | 21 | 49.4 | | | 0.6 | | 12,000 |
| AQRVDOH3D0340 | 3.4 | 10.2 | | 49.5 | | | 0.6 | | 12,000 |
| AQRVDOH3D0350 | 3.5 | 10.5 | | 49.6 | 72 | 4 | 0.6 | | 12,000 |
| AQRVDOH3D0360 | 3.6 | 10.8 | | 47.7 | | | 0.7 | | 12,500 |
| AQRVDOH3D0370 | 3.7 | 11.1 | | 47.7 | | | 0.7 | | 12,500 |
| AQRVDOH3D0380 | 3.8 | 11.4 | 23 | 47.8 | | | 0.7 | | 12,500 |
| AQRVDOH3D0390 | 3.9 | 11.7 | | 47.9 | | | 0.7 | | 12,500 |
| AQRVDOH3D0400 | 4.0 | 12.0 | | 48.0 | | | 0.7 | | 12,500 |
| AQRVDOH3D0410 | 4.1 | 12.3 | | 52.2 | | | 0.7 | | 13,200 |
| AQRVDOH3D0420 | 4.2 | 12.6 | | 52.3 | | | 0.8 | | 13,200 |
| AQRVDOH3D0430 | 4.3 | 12.9 | 26 | 52.4 | | | 0.8 | | 13,200 |
| AQRVDOH3D0440 | 4.4 | 13.2 | | 52.5 | | | 0.8 | | 13,200 |
| AQRVDOH3D0450 | 4.5 | 13.5 | | 52.6 | 80 | 5 | 0.8 | | 13,200 |
| AQRVDOH3D0460 | 4.6 | 13.8 | | 49.7 | | | 0.8 | | 14,200 |
| AQRVDOH3D0470 | 4.7 | 14.1 | | 49.7 | | | 0.9 | | 14,200 |
| AQRVDOH3D0480 | 4.8 | 14.4 | | 49.8 | | | 0.9 | | 14,200 |
| AQRVDOH3D0490 | 4.9 | 14.7 | | 49.9 | | | 0.9 | | 14,200 |
| AQRVDOH3D0500 | 5.0 | 15.0 | 29 | 50.0 | | | 0.9 | | 14,200 |
| AQRVDOH3D0510 | 5.1 | 15.3 | | 51.2 | | | 0.9 | | 15,000 |
| AQRVDOH3D0520 | 5.2 | 15.6 | | 51.3 | | | 0.9 | | 15,000 |
| AQRVDOH3D0530 | 5.3 | 15.9 | | 51.4 | | | 1.0 | | 15,000 |
| AQRVDOH3D0540 | 5.4 | 16.2 | | 51.5 | | | 1.0 | | 15,000 |
| AQRVDOH3D0550 | 5.5 | 16.5 | | 51.6 | 82 | 6 | 1.0 | | 15,000 |
| AQRVDOH3D0560 | 5.6 | 16.8 | | 48.7 | | | 1.0 | | 15,600 |
| AQRVDOH3D0570 | 5.7 | 17.1 | | 48.7 | | | 1.0 | | 15,600 |
| AQRVDOH3D0580 | 5.8 | 17.4 | 32 | 48.8 | | | 1.1 | | 15,600 |
| AQRVDOH3D0590 | 5.9 | 17.7 | | 48.9 | | | 1.1 | | 15,600 |
| AQRVDOH3D0600 | 6.0 | 18.0 | | 49.0 | | | 1.1 | | 15,600 |
| AQRVDOH3D0610 | 6.1 | 18.3 | | 52.2 | | | 1.1 | | 15,600 |
| AQRVDOH3D0620 | 6.2 | 18.6 | | 52.3 | | | 1.1 | | 15,600 |
| AQRVDOH3D0630 | 6.3 | 18.9 | 34 | 52.4 | | | 1.1 | | 15,600 |
| AQRVDOH3D0640 | 6.4 | 19.2 | | 52.5 | | | 1.2 | | 15,600 |
| AQRVDOH3D0650 | 6.5 | 19.5 | | 52.6 | 88 | 7 | 1.2 | | 15,600 |
| AQRVDOH3D0660 | 6.6 | 19.8 | | 49.7 | | | 1.2 | | 16,600 |
| AQRVDOH3D0670 | 6.7 | 20.1 | 37 | 49.7 | | | 1.2 | | 16,600 |
| AQRVDOH3D0680 | 6.8 | 20.4 | | 49.8 | | | 1.2 | | 16,600 |
| AQRVDOH3D0690 | 6.9 | 20.7 | | 49.9 | | | 1.3 | | 16,600 |

単位 (Unit):mm

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|------|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH3D0700 | 7.0 | 21.0 | 37 | 50.0 | 88 | 7 | 1.3 | | 16,600 |
| AQRVDOH3D0710 | 7.1 | 21.3 | | 53.2 | | | 1.3 | | 17,500 |
| AQRVDOH3D0720 | 7.2 | 21.6 | | 53.3 | | | 1.3 | | 17,500 |
| AQRVDOH3D0730 | 7.3 | 21.9 | 39 | 53.4 | | | 1.3 | | 17,500 |
| AQRVDOH3D0740 | 7.4 | 22.2 | | 53.5 | | | 1.3 | | 17,500 |
| AQRVDOH3D0750 | 7.5 | 22.5 | | 53.6 | 94 | 8 | 1.4 | | 17,500 |
| AQRVDOH3D0760 | 7.6 | 22.8 | | 50.7 | | | 1.4 | | 18,600 |
| AQRVDOH3D0770 | 7.7 | 23.1 | | 50.7 | | | 1.4 | | 18,600 |
| AQRVDOH3D0780 | 7.8 | 23.4 | 42 | 50.8 | | | 1.4 | | 18,600 |
| AQRVDOH3D0790 | 7.9 | 23.7 | | 50.9 | | | 1.4 | | 18,600 |
| AQRVDOH3D0800 | 8.0 | 24.0 | | 51.0 | | | 1.5 | | 18,600 |
| AQRVDOH3D0810 | 8.1 | 24.3 | | 54.2 | | | 1.5 | | 20,200 |
| AQRVDOH3D0820 | 8.2 | 24.6 | | 54.3 | | | 1.5 | | 20,200 |
| AQRVDOH3D0830 | 8.3 | 24.9 | 44 | 54.4 | | | 1.5 | | 20,200 |
| AQRVDOH3D0840 | 8.4 | 25.2 | | 54.5 | | | 1.5 | | 20,200 |
| AQRVDOH3D0850 | 8.5 | 25.5 | | 54.6 | 100 | 9 | 1.5 | | 20,200 |
| AQRVDOH3D0860 | 8.6 | 25.8 | | 51.7 | | | 1.6 | | 21,100 |
| AQRVDOH3D0870 | 8.7 | 26.1 | | 51.7 | | | 1.6 | | 21,100 |
| AQRVDOH3D0880 | 8.8 | 26.4 | 47 | 51.8 | | | 1.6 | | 21,100 |
| AQRVDOH3D0890 | 8.9 | 26.7 | | 51.9 | | | 1.6 | | 21,100 |
| AQRVDOH3D0900 | 9.0 | 27.0 | | 52.0 | | | 1.6 | | 21,100 |
| AQRVDOH3D0910 | 9.1 | 27.3 | | 55.2 | | | 1.7 | | 22,200 |
| AQRVDOH3D0920 | 9.2 | 27.6 | | 55.3 | | | 1.7 | | 22,200 |
| AQRVDOH3D0930 | 9.3 | 27.9 | 49 | 55.4 | | | 1.7 | | 22,200 |
| AQRVDOH3D0940 | 9.4 | 28.2 | | 55.5 | | | 1.7 | | 22,200 |
| AQRVDOH3D0950 | 9.5 | 28.5 | | 55.6 | 106 | 10 | 1.7 | | 22,200 |
| AQRVDOH3D0960 | 9.6 | 28.8 | | 52.7 | | | 1.7 | | 22,800 |
| AQRVDOH3D0970 | 9.7 | 29.1 | | 52.7 | | | 1.8 | | 22,800 |
| AQRVDOH3D0980 | 9.8 | 29.4 | 52 | 52.8 | | | 1.8 | | 22,800 |
| AQRVDOH3D0990 | 9.9 | 29.7 | | 52.9 | | | 1.8 | | 22,800 |
| AQRVDOH3D1000 | 10.0 | 30.0 | | 53.0 | | | 1.8 | | 22,800 |
| AQRVDOH3D1010 | 10.1 | 30.3 | | 60.2 | | | 1.8 | | 23,800 |
| AQRVDOH3D1020 | 10.2 | 30.6 | | 60.3 | | | 1.9 | | 23,800 |
| AQRVDOH3D1030 | 10.3 | 30.9 | 54 | 60.4 | | | 1.9 | | 23,800 |
| AQRVDOH3D1040 | 10.4 | 31.2 | | 60.5 | | | 1.9 | | 23,800 |
| AQRVDOH3D1050 | 10.5 | 31.5 | | 60.6 | 116 | 11 | 1.9 | | 23,800 |
| AQRVDOH3D1060 | 10.6 | 31.8 | | 57.7 | | | 1.9 | | 24,400 |
| AQRVDOH3D1070 | 10.7 | 32.1 | 57 | 57.7 | | | 1.9 | | 24,400 |
| AQRVDOH3D1080 | 10.8 | 32.4 | | 57.8 | | | 2.0 | | 24,400 |
| AQRVDOH3D1090 | 10.9 | 32.7 | | 57.9 | | | 2.0 | | 24,400 |

単位 (Unit):mm

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|------|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH3D1100 | 11.0 | 33.0 | 57 | 58.0 | 116 | 11 | 2.0 | | 24,400 |
| AQRVDOH3D1110 | 11.1 | 33.3 | | 60.2 | | | 2.0 | | 25,700 |
| AQRVDOH3D1120 | 11.2 | 33.6 | | 60.3 | | | 2.0 | | 25,700 |
| AQRVDOH3D1130 | 11.3 | 33.9 | 60 | 60.4 | | | 2.1 | | 25,700 |
| AQRVDOH3D1140 | 11.4 | 34.2 | | 60.5 | | | 2.1 | | 25,700 |
| AQRVDOH3D1150 | 11.5 | 34.5 | | 60.6 | 122 | 12 | 2.1 | | 25,700 |
| AQRVDOH3D1160 | 11.6 | 34.8 | | 57.7 | | | 2.1 | | 26,200 |
| AQRVDOH3D1170 | 11.7 | 35.1 | | 57.7 | | | 2.1 | | 26,200 |
| AQRVDOH3D1180 | 11.8 | 35.4 | 63 | 57.8 | | | 2.1 | | 26,200 |
| AQRVDOH3D1190 | 11.9 | 35.7 | | 57.9 | | | 2.2 | | 26,200 |
| AQRVDOH3D1200 | 12.0 | 36.0 | | 58.0 | | | 2.2 | | 26,200 |
| AQRVDOH3D1210 | 12.1 | 36.3 | | 61.2 | | | 2.2 | | 27,500 |
| AQRVDOH3D1220 | 12.2 | 36.6 | | 61.3 | | | 2.2 | | 27,500 |
| AQRVDOH3D1230 | 12.3 | 36.9 | 65 | 61.4 | | | 2.2 | | 27,500 |
| AQRVDOH3D1240 | 12.4 | 37.2 | | 61.5 | | | 2.3 | | 27,500 |
| AQRVDOH3D1250 | 12.5 | 37.5 | | 61.6 | 128 | 13 | 2.3 | | 27,500 |
| AQRVDOH3D1260 | 12.6 | 37.8 | | 58.7 | | | 2.3 | | 28,100 |
| AQRVDOH3D1270 | 12.7 | 38.1 | | 58.7 | | | 2.3 | | 28,100 |
| AQRVDOH3D1280 | 12.8 | 38.4 | 68 | 58.8 | | | 2.3 | | 28,100 |
| AQRVDOH3D1290 | 12.9 | 38.7 | | 58.9 | | | 2.3 | | 28,100 |
| AQRVDOH3D1300 | 13.0 | 39.0 | | 59.0 | | | 2.4 | | 28,100 |
| AQRVDOH3D1310 | 13.1 | 39.3 | | 62.2 | | | 2.4 | | 28,800 |
| AQRVDOH3D1320 | 13.2 | 39.6 | | 62.3 | | | 2.4 | | 28,800 |
| AQRVDOH3D1330 | 13.3 | 39.9 | 70 | 62.4 | | | 2.4 | | 28,800 |
| AQRVDOH3D1340 | 13.4 | 40.2 | | 62.5 | | | 2.4 | | 28,800 |
| AQRVDOH3D1350 | 13.5 | 40.5 | | 62.6 | 134 | 14 | 2.5 | | 28,800 |
| AQRVDOH3D1360 | 13.6 | 40.8 | | 59.7 | | | 2.5 | | 29,500 |
| AQRVDOH3D1370 | 13.7 | 41.1 | | 59.7 | | | 2.5 | | 29,500 |
| AQRVDOH3D1380 | 13.8 | 41.4 | 73 | 59.8 | | | 2.5 | | 29,500 |
| AQRVDOH3D1390 | 13.9 | 41.7 | | 59.9 | | | 2.5 | | 29,500 |
| AQRVDOH3D1400 | 14.0 | 42.0 | | 60.0 | | | 2.5 | | 29,500 |
| AQRVDOH3D1410 | 14.1 | 42.3 | | 63.2 | | | 2.6 | | 30,600 |
| AQRVDOH3D1420 | 14.2 | 42.6 | | 63.3 | | | 2.6 | | 30,600 |
| AQRVDOH3D1430 | 14.3 | 42.9 | 75 | 63.4 | | | 2.6 | | 30,600 |
| AQRVDOH3D1440 | 14.4 | 43.2 | | 63.5 | | | 2.6 | | 30,600 |
| AQRVDOH3D1450 | 14.5 | 43.5 | | 63.6 | 140 | 15 | 2.6 | | 30,600 |
| AQRVDOH3D1460 | 14.6 | 43.8 | | 60.7 | | | 2.7 | | 31,400 |
| AQRVDOH3D1470 | 14.7 | 44.1 | 78 | 60.7 | | | 2.7 | | 31,400 |
| AQRVDOH3D1480 | 14.8 | 44.4 | | 60.8 | | | 2.7 | | 31,400 |
| AQRVDOH3D1490 | 14.9 | 44.7 | | 60.9 | | | 2.7 | | 31,400 |

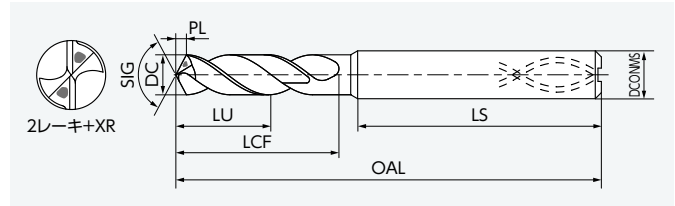
| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|------|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH3D1500 | 15.0 | 45.0 | 78 | 61.0 | 140 | 15 | 2.7 | | 31,400 |
| AQRVDOH3D1510 | 15.1 | 45.3 | | 64.2 | | | 2.7 | | 32,600 |
| AQRVDOH3D1520 | 15.2 | 45.6 | | 64.3 | | | 2.8 | | 32,600 |
| AQRVDOH3D1530 | 15.3 | 45.9 | 80 | 64.4 | | | 2.8 | | 32,600 |
| AQRVDOH3D1540 | 15.4 | 46.2 | | 64.5 | | | 2.8 | | 32,600 |
| AQRVDOH3D1550 | 15.5 | 46.5 | | 64.6 | 146 | 16 | 2.8 | | 32,600 |
| AQRVDOH3D1560 | 15.6 | 46.8 | | 61.7 | | | 2.8 | | 33,400 |
| AQRVDOH3D1570 | 15.7 | 47.1 | | 61.7 | | | 2.9 | | 33,400 |
| AQRVDOH3D1580 | 15.8 | 47.4 | 83 | 61.8 | | | 2.9 | | 33,400 |
| AQRVDOH3D1590 | 15.9 | 47.7 | | 61.9 | | | 2.9 | | 33,400 |
| AQRVDOH3D1600 | 16.0 | 48.0 | | 62.0 | | | 2.9 | | 33,400 |

AQRVDOH5D

超硬 REVO D h7 140° 26°~30° h6 3.0-16.0
工具材料 コーティング 直径許容差 先端角 ねじれ角 シャンク径公差 直径範囲

レボ アクアREVOドリルオイルホール 5D

AquaREVO Drills Oil-Hole 5D



LIST9866

オーダー方法 Order 商品記号 Code

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|-----|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH5D0300 | 3.0 | 15.0 | 29 | 48.0 | 78 | 3 | 0.5 | | 14,900 |
| AQRVDOH5D0310 | 3.1 | 15.5 | | 51.2 | | | 0.6 | | 15,400 |
| AQRVDOH5D0320 | 3.2 | 16.0 | | 51.3 | | | 0.6 | | 15,400 |
| AQRVDOH5D0330 | 3.3 | 16.5 | 33 | 51.4 | | | 0.6 | | 15,400 |
| AQRVDOH5D0340 | 3.4 | 17.0 | | 51.5 | | | 0.6 | | 15,400 |
| AQRVDOH5D0350 | 3.5 | 17.5 | | 51.6 | | | 0.6 | | 15,400 |
| AQRVDOH5D0360 | 3.6 | 18.0 | | 47.7 | 86 | 4 | 0.7 | | 15,500 |
| AQRVDOH5D0370 | 3.7 | 18.5 | | 47.7 | | | 0.7 | | 15,500 |
| AQRVDOH5D0380 | 3.8 | 19.0 | 37 | 47.8 | | | 0.7 | | 15,500 |
| AQRVDOH5D0390 | 3.9 | 19.5 | | 47.9 | | | 0.7 | | 15,500 |
| AQRVDOH5D0400 | 4.0 | 20.0 | | 48.0 | | | 0.7 | | 15,500 |
| AQRVDOH5D0410 | 4.1 | 20.5 | | 55.2 | | | 0.7 | | 16,000 |
| AQRVDOH5D0420 | 4.2 | 21.0 | | 55.3 | | | 0.8 | | 16,000 |
| AQRVDOH5D0430 | 4.3 | 21.5 | 41 | 55.4 | | | 0.8 | | 16,000 |
| AQRVDOH5D0440 | 4.4 | 22.0 | | 55.5 | | | 0.8 | | 16,000 |
| AQRVDOH5D0450 | 4.5 | 22.5 | | 55.6 | | | 0.8 | | 16,000 |
| AQRVDOH5D0460 | 4.6 | 23.0 | | 51.7 | 98 | 5 | 0.8 | | 16,300 |
| AQRVDOH5D0470 | 4.7 | 23.5 | | 51.7 | | | 0.9 | | 16,300 |
| AQRVDOH5D0480 | 4.8 | 24.0 | 45 | 51.8 | | | 0.9 | | 16,300 |
| AQRVDOH5D0490 | 4.9 | 24.5 | | 51.9 | | | 0.9 | | 16,300 |
| AQRVDOH5D0500 | 5.0 | 25.0 | | 52.0 | | | 0.9 | | 16,300 |
| AQRVDOH5D0510 | 5.1 | 25.5 | | 52.2 | | | 0.9 | | 17,200 |
| AQRVDOH5D0520 | 5.2 | 26.0 | | 52.3 | | | 0.9 | | 17,200 |
| AQRVDOH5D0530 | 5.3 | 26.5 | 46 | 52.4 | | | 1.0 | | 17,200 |
| AQRVDOH5D0540 | 5.4 | 27.0 | | 52.5 | | | 1.0 | | 17,200 |
| AQRVDOH5D0550 | 5.5 | 27.5 | | 52.6 | | | 1.0 | | 17,200 |
| AQRVDOH5D0560 | 5.6 | 28.0 | | 48.7 | 100 | 6 | 1.0 | | 18,000 |
| AQRVDOH5D0570 | 5.7 | 28.5 | | 48.7 | | | 1.0 | | 18,000 |
| AQRVDOH5D0580 | 5.8 | 29.0 | 50 | 48.8 | | | 1.1 | | 18,000 |
| AQRVDOH5D0590 | 5.9 | 29.5 | | 48.9 | | | 1.1 | | 18,000 |
| AQRVDOH5D0600 | 6.0 | 30.0 | | 49.0 | | | 1.1 | | 18,000 |
| AQRVDOH5D0610 | 6.1 | 30.5 | | 53.2 | | | 1.1 | | 18,000 |
| AQRVDOH5D0620 | 6.2 | 31.0 | | 53.3 | | | 1.1 | | 18,000 |
| AQRVDOH5D0630 | 6.3 | 31.5 | 54 | 53.4 | | | 1.1 | | 18,000 |
| AQRVDOH5D0640 | 6.4 | 32.0 | | 53.5 | | | 1.2 | | 18,000 |
| AQRVDOH5D0650 | 6.5 | 32.5 | | 53.6 | 109 | 7 | 1.2 | | 18,000 |
| AQRVDOH5D0660 | 6.6 | 33.0 | | 49.7 | | | 1.2 | | 19,300 |
| AQRVDOH5D0670 | 6.7 | 33.5 | 58 | 49.7 | | | 1.2 | | 19,300 |
| AQRVDOH5D0680 | 6.8 | 34.0 | | 49.8 | | | 1.2 | | 19,300 |
| AQRVDOH5D0690 | 6.9 | 34.5 | | 49.9 | | | 1.3 | | 19,300 |

単位 (Unit):mm

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|------|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH5D0700 | 7.0 | 35.0 | 58 | 50.0 | 109 | 7 | 1.3 | | 19,300 |
| AQRVDOH5D0710 | 7.1 | 35.5 | | 54.2 | | | 1.3 | | 20,200 |
| AQRVDOH5D0720 | 7.2 | 36.0 | | 54.3 | | | 1.3 | | 20,200 |
| AQRVDOH5D0730 | 7.3 | 36.5 | 62 | 54.4 | | | 1.3 | | 20,200 |
| AQRVDOH5D0740 | 7.4 | 37.0 | | 54.5 | | | 1.3 | | 20,200 |
| AQRVDOH5D0750 | 7.5 | 37.5 | | 54.6 | | | 1.4 | | 20,200 |
| AQRVDOH5D0760 | 7.6 | 38.0 | | 50.7 | 118 | 8 | 1.4 | | 21,500 |
| AQRVDOH5D0770 | 7.7 | 38.5 | | 50.7 | | | 1.4 | | 21,500 |
| AQRVDOH5D0780 | 7.8 | 39.0 | 66 | 50.8 | | | 1.4 | | 21,500 |
| AQRVDOH5D0790 | 7.9 | 39.5 | | 50.9 | | | 1.4 | | 21,500 |
| AQRVDOH5D0800 | 8.0 | 40.0 | | 51.0 | | | 1.5 | | 21,500 |
| AQRVDOH5D0810 | 8.1 | 40.5 | | 55.2 | | | 1.5 | | 22,600 |
| AQRVDOH5D0820 | 8.2 | 41.0 | | 55.3 | | | 1.5 | | 22,600 |
| AQRVDOH5D0830 | 8.3 | 41.5 | 70 | 55.4 | | | 1.5 | | 22,600 |
| AQRVDOH5D0840 | 8.4 | 42.0 | | 55.5 | | | 1.5 | | 22,600 |
| AQRVDOH5D0850 | 8.5 | 42.5 | | 55.6 | | | 1.5 | | 22,600 |
| AQRVDOH5D0860 | 8.6 | 43.0 | | 51.7 | 127 | 9 | 1.6 | | 23,900 |
| AQRVDOH5D0870 | 8.7 | 43.5 | | 51.7 | | | 1.6 | | 23,900 |
| AQRVDOH5D0880 | 8.8 | 44.0 | 74 | 51.8 | | | 1.6 | | 23,900 |
| AQRVDOH5D0890 | 8.9 | 44.5 | | 51.9 | | | 1.6 | | 23,900 |
| AQRVDOH5D0900 | 9.0 | 45.0 | | 52.0 | | | 1.6 | | 23,900 |
| AQRVDOH5D0910 | 9.1 | 45.5 | | 56.2 | | | 1.7 | | 24,900 |
| AQRVDOH5D0920 | 9.2 | 46.0 | | 56.3 | | | 1.7 | | 24,900 |
| AQRVDOH5D0930 | 9.3 | 46.5 | 78 | 56.4 | | | 1.7 | | 24,900 |
| AQRVDOH5D0940 | 9.4 | 47.0 | | 56.5 | | | 1.7 | | 24,900 |
| AQRVDOH5D0950 | 9.5 | 47.5 | | 56.6 | | | 1.7 | | 24,900 |
| AQRVDOH5D0960 | 9.6 | 48.0 | | 52.7 | 136 | 10 | 1.7 | | 25,200 |
| AQRVDOH5D0970 | 9.7 | 48.5 | | 52.7 | | | 1.8 | | 25,200 |
| AQRVDOH5D0980 | 9.8 | 49.0 | 82 | 52.8 | | | 1.8 | | 25,200 |
| AQRVDOH5D0990 | 9.9 | 49.5 | | 52.9 | | | 1.8 | | 25,200 |
| AQRVDOH5D1000 | 10.0 | 50.0 | | 53.0 | | | 1.8 | | 25,200 |
| AQRVDOH5D1010 | 10.1 | 50.5 | | 60.2 | | | 1.8 | | 26,700 |
| AQRVDOH5D1020 | 10.2 | 51.0 | | 60.3 | | | 1.9 | | 26,700 |
| AQRVDOH5D1030 | 10.3 | 51.5 | 87 | 60.4 | | | 1.9 | | 26,700 |
| AQRVDOH5D1040 | 10.4 | 52.0 | | 60.5 | | | 1.9 | | 26,700 |
| AQRVDOH5D1050 | 10.5 | 52.5 | | 60.6 | 149 | 11 | 1.9 | | 26,700 |
| AQRVDOH5D1060 | 10.6 | 53.0 | | 56.7 | | | 1.9 | | 27,600 |
| AQRVDOH5D1070 | 10.7 | 53.5 | 91 | 56.7 | | | 1.9 | | 27,600 |
| AQRVDOH5D1080 | 10.8 | 54.0 | | 56.8 | | | 2.0 | | 27,600 |
| AQRVDOH5D1090 | 10.9 | 54.5 | | 56.9 | | | 2.0 | | 27,600 |

単位 (Unit):mm

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|------|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH5D1100 | 11.0 | 55.0 | 91 | 57.0 | 149 | 11 | 2.0 | | 27,600 |
| AQRVDOH5D1110 | 11.1 | 55.5 | | 61.2 | | | 2.0 | | 28,800 |
| AQRVDOH5D1120 | 11.2 | 56.0 | | 61.3 | | | 2.0 | | 28,800 |
| AQRVDOH5D1130 | 11.3 | 56.5 | 95 | 61.4 | | | 2.1 | | 28,800 |
| AQRVDOH5D1140 | 11.4 | 57.0 | | 61.5 | | | 2.1 | | 28,800 |
| AQRVDOH5D1150 | 11.5 | 57.5 | | 61.6 | 158 | 12 | 2.1 | | 28,800 |
| AQRVDOH5D1160 | 11.6 | 58.0 | | 57.7 | | | 2.1 | | 30,100 |
| AQRVDOH5D1170 | 11.7 | 58.5 | | 57.7 | | | 2.1 | | 30,100 |
| AQRVDOH5D1180 | 11.8 | 59.0 | 99 | 57.8 | | | 2.1 | | 30,100 |
| AQRVDOH5D1190 | 11.9 | 59.5 | | 57.9 | | | 2.2 | | 30,100 |
| AQRVDOH5D1200 | 12.0 | 60.0 | | 58.0 | | | 2.2 | | 30,100 |
| AQRVDOH5D1210 | 12.1 | 60.5 | | 62.2 | | | 2.2 | | 30,900 |
| AQRVDOH5D1220 | 12.2 | 61.0 | | 62.3 | | | 2.2 | | 30,900 |
| AQRVDOH5D1230 | 12.3 | 61.5 | 103 | 62.4 | | | 2.2 | | 30,900 |
| AQRVDOH5D1240 | 12.4 | 62.0 | | 62.5 | | | 2.3 | | 30,900 |
| AQRVDOH5D1250 | 12.5 | 62.5 | | 62.6 | 167 | 13 | 2.3 | | 30,900 |
| AQRVDOH5D1260 | 12.6 | 63.0 | | 58.7 | | | 2.3 | | 32,200 |
| AQRVDOH5D1270 | 12.7 | 63.5 | | 58.7 | | | 2.3 | | 32,200 |
| AQRVDOH5D1280 | 12.8 | 64.0 | 107 | 58.8 | | | 2.3 | | 32,200 |
| AQRVDOH5D1290 | 12.9 | 64.5 | | 58.9 | | | 2.3 | | 32,200 |
| AQRVDOH5D1300 | 13.0 | 65.0 | | 59.0 | | | 2.4 | ● | 32,200 |
| AQRVDOH5D1310 | 13.1 | 65.5 | | 63.2 | | | 2.4 | | 33,100 |
| AQRVDOH5D1320 | 13.2 | 66.0 | | 63.3 | | | 2.4 | | 33,100 |
| AQRVDOH5D1330 | 13.3 | 66.5 | 111 | 63.4 | | | 2.4 | | 33,100 |
| AQRVDOH5D1340 | 13.4 | 67.0 | | 63.5 | | | 2.4 | | 33,100 |
| AQRVDOH5D1350 | 13.5 | 67.5 | | 63.6 | 176 | 14 | 2.5 | | 33,100 |
| AQRVDOH5D1360 | 13.6 | 68.0 | | 59.7 | | | 2.5 | | 34,200 |
| AQRVDOH5D1370 | 13.7 | 68.5 | | 59.7 | | | 2.5 | | 34,200 |
| AQRVDOH5D1380 | 13.8 | 69.0 | 115 | 59.8 | | | 2.5 | | 34,200 |
| AQRVDOH5D1390 | 13.9 | 69.5 | | 59.9 | | | 2.5 | | 34,200 |
| AQRVDOH5D1400 | 14.0 | 70.0 | | 60.0 | | | 2.5 | | 34,200 |
| AQRVDOH5D1410 | 14.1 | 70.5 | | 64.2 | | | 2.6 | | 35,600 |
| AQRVDOH5D1420 | 14.2 | 71.0 | | 64.3 | | | 2.6 | | 35,600 |
| AQRVDOH5D1430 | 14.3 | 71.5 | 119 | 64.4 | | | 2.6 | | 35,600 |
| AQRVDOH5D1440 | 14.4 | 72.0 | | 64.5 | | | 2.6 | | 35,600 |
| AQRVDOH5D1450 | 14.5 | 72.5 | | 64.6 | 185 | 15 | 2.6 | | 35,600 |
| AQRVDOH5D1460 | 14.6 | 73.0 | | 59.7 | | | 2.7 | | 36,200 |
| AQRVDOH5D1470 | 14.7 | 73.5 | 124 | 59.7 | | | 2.7 | | 36,200 |
| AQRVDOH5D1480 | 14.8 | 74.0 | | 59.8 | | | 2.7 | | 36,200 |
| AQRVDOH5D1490 | 14.9 | 74.5 | | 59.9 | | | 2.7 | | 36,200 |

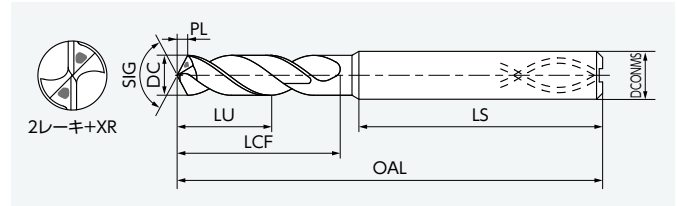
| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|------|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH5D1500 | 15.0 | 75.0 | 124 | 60.0 | 185 | 15 | 2.7 | | 36,200 |
| AQRVDOH5D1510 | 15.1 | 75.5 | | 64.2 | | | 2.7 | | 37,400 |
| AQRVDOH5D1520 | 15.2 | 76.0 | | 64.3 | | | 2.8 | | 37,400 |
| AQRVDOH5D1530 | 15.3 | 76.5 | 128 | 64.4 | | | 2.8 | | 37,400 |
| AQRVDOH5D1540 | 15.4 | 77.0 | | 64.5 | | | 2.8 | | 37,400 |
| AQRVDOH5D1550 | 15.5 | 77.5 | | 64.6 | 194 | 16 | 2.8 | ● | 37,400 |
| AQRVDOH5D1560 | 15.6 | 78.0 | | 60.7 | | | 2.8 | | 38,700 |
| AQRVDOH5D1570 | 15.7 | 78.5 | | 60.7 | | | 2.9 | | 38,700 |
| AQRVDOH5D1580 | 15.8 | 79.0 | 132 | 60.8 | | | 2.9 | | 38,700 |
| AQRVDOH5D1590 | 15.9 | 79.5 | | 60.9 | | | 2.9 | | 38,700 |
| AQRVDOH5D1600 | 16.0 | 80.0 | | 61.0 | | | 2.9 | | 38,700 |

AQRVDOH8D

超硬 REVO D h7 140° 26°~30° h6 3.0-16.0
工具材料 コーティング 直径許容差 先端角 ねじれ角 シャンク径許差 直径範囲

レボ アクアREVOドリルオイルホール 8D

AquaREVO Drills Oil-Hole 8D



LIST9868 オーダ方法 Order 商品記号 Code

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|-----|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH8D0300 | 3.0 | 24.0 | 34 | 46.0 | 81 | 3 | 0.5 | | 17,700 |
| AQRVDOH8D0310 | 3.1 | 24.8 | | 51.2 | | | 0.6 | | 18,000 |
| AQRVDOH8D0320 | 3.2 | 25.6 | | 51.3 | | | 0.6 | | 18,000 |
| AQRVDOH8D0330 | 3.3 | 26.4 | 39 | 51.4 | | | 0.6 | | 18,000 |
| AQRVDOH8D0340 | 3.4 | 27.2 | | 51.5 | | | 0.6 | | 18,000 |
| AQRVDOH8D0350 | 3.5 | 28.0 | | 51.6 | 92 | 4 | 0.6 | | 18,000 |
| AQRVDOH8D0360 | 3.6 | 28.8 | | 45.7 | | | 0.7 | | 18,200 |
| AQRVDOH8D0370 | 3.7 | 29.6 | | 45.7 | | | 0.7 | | 18,200 |
| AQRVDOH8D0380 | 3.8 | 30.4 | 45 | 45.8 | | | 0.7 | | 18,200 |
| AQRVDOH8D0390 | 3.9 | 31.2 | | 45.9 | | | 0.7 | | 18,200 |
| AQRVDOH8D0400 | 4.0 | 32.0 | | 46.0 | | | 0.7 | | 18,200 |
| AQRVDOH8D0410 | 4.1 | 32.8 | | 53.2 | | | 0.7 | | 18,800 |
| AQRVDOH8D0420 | 4.2 | 33.6 | | 53.3 | | | 0.8 | | 18,800 |
| AQRVDOH8D0430 | 4.3 | 34.4 | 50 | 53.4 | | | 0.8 | | 18,800 |
| AQRVDOH8D0440 | 4.4 | 35.2 | | 53.5 | | | 0.8 | | 18,800 |
| AQRVDOH8D0450 | 4.5 | 36.0 | | 53.6 | 105 | 5 | 0.8 | | 18,800 |
| AQRVDOH8D0460 | 4.6 | 36.8 | | 47.7 | | | 0.8 | | 19,000 |
| AQRVDOH8D0470 | 4.7 | 37.6 | | 47.7 | | | 0.9 | | 19,000 |
| AQRVDOH8D0480 | 4.8 | 38.4 | 56 | 47.8 | | | 0.9 | | 19,000 |
| AQRVDOH8D0490 | 4.9 | 39.2 | | 47.9 | | | 0.9 | | 19,000 |
| AQRVDOH8D0500 | 5.0 | 40.0 | | 48.0 | | | 0.9 | | 19,000 |
| AQRVDOH8D0510 | 5.1 | 40.8 | | 54.2 | | | 0.9 | | 19,900 |
| AQRVDOH8D0520 | 5.2 | 41.6 | | 54.3 | | | 0.9 | | 19,900 |
| AQRVDOH8D0530 | 5.3 | 42.4 | 62 | 54.4 | | | 1.0 | | 19,900 |
| AQRVDOH8D0540 | 5.4 | 43.2 | | 54.5 | | | 1.0 | | 19,900 |
| AQRVDOH8D0550 | 5.5 | 44.0 | | 54.6 | 118 | 6 | 1.0 | | 19,900 |
| AQRVDOH8D0560 | 5.6 | 44.8 | | 48.7 | | | 1.0 | | 20,200 |
| AQRVDOH8D0570 | 5.7 | 45.6 | | 48.7 | | | 1.0 | | 20,200 |
| AQRVDOH8D0580 | 5.8 | 46.4 | 68 | 48.8 | | | 1.1 | | 20,200 |
| AQRVDOH8D0590 | 5.9 | 47.2 | | 48.9 | | | 1.1 | | 20,200 |
| AQRVDOH8D0600 | 6.0 | 48.0 | | 49.0 | | | 1.1 | | 20,200 |
| AQRVDOH8D0610 | 6.1 | 48.8 | | 55.2 | | | 1.1 | | 21,600 |
| AQRVDOH8D0620 | 6.2 | 49.6 | | 55.3 | | | 1.1 | | 21,600 |
| AQRVDOH8D0630 | 6.3 | 50.4 | 73 | 55.4 | | | 1.1 | | 21,600 |
| AQRVDOH8D0640 | 6.4 | 51.2 | | 55.5 | | | 1.2 | | 21,600 |
| AQRVDOH8D0650 | 6.5 | 52.0 | | 55.6 | 130 | 7 | 1.2 | | 21,600 |
| AQRVDOH8D0660 | 6.6 | 52.8 | | 49.7 | | | 1.2 | | 21,800 |
| AQRVDOH8D0670 | 6.7 | 53.6 | 79 | 49.7 | | | 1.2 | | 21,800 |
| AQRVDOH8D0680 | 6.8 | 54.4 | | 49.8 | | | 1.2 | | 21,800 |
| AQRVDOH8D0690 | 6.9 | 55.2 | | 49.9 | | | 1.3 | | 21,800 |

単位 (Unit):mm

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|------|------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH8D0700 | 7.0 | 56.0 | 79 | 50.0 | 130 | 7 | 1.3 | | 21,800 |
| AQRVDOH8D0710 | 7.1 | 56.8 | | 56.2 | | | 1.3 | | 23,500 |
| AQRVDOH8D0720 | 7.2 | 57.6 | | 56.3 | | | 1.3 | | 23,500 |
| AQRVDOH8D0730 | 7.3 | 58.4 | 84 | 56.4 | | | 1.3 | | 23,500 |
| AQRVDOH8D0740 | 7.4 | 59.2 | | 56.5 | | | 1.3 | | 23,500 |
| AQRVDOH8D0750 | 7.5 | 60.0 | | 56.6 | 142 | 8 | 1.4 | | 23,500 |
| AQRVDOH8D0760 | 7.6 | 60.8 | | 50.7 | | | 1.4 | | 23,900 |
| AQRVDOH8D0770 | 7.7 | 61.6 | | 50.7 | | | 1.4 | | 23,900 |
| AQRVDOH8D0780 | 7.8 | 62.4 | 90 | 50.8 | | | 1.4 | | 23,900 |
| AQRVDOH8D0790 | 7.9 | 63.2 | | 50.9 | | | 1.4 | | 23,900 |
| AQRVDOH8D0800 | 8.0 | 64.0 | | 51.0 | | | 1.5 | | 23,900 |
| AQRVDOH8D0810 | 8.1 | 64.8 | | 57.2 | | | 1.5 | | 25,700 |
| AQRVDOH8D0820 | 8.2 | 65.6 | | 57.3 | | | 1.5 | | 25,700 |
| AQRVDOH8D0830 | 8.3 | 66.4 | 95 | 57.4 | | | 1.5 | | 25,700 |
| AQRVDOH8D0840 | 8.4 | 67.2 | | 57.5 | | | 1.5 | | 25,700 |
| AQRVDOH8D0850 | 8.5 | 68.0 | | 57.6 | 154 | 9 | 1.5 | | 25,700 |
| AQRVDOH8D0860 | 8.6 | 68.8 | | 51.7 | | | 1.6 | | 26,400 |
| AQRVDOH8D0870 | 8.7 | 69.6 | | 51.7 | | | 1.6 | | 26,400 |
| AQRVDOH8D0880 | 8.8 | 70.4 | 101 | 51.8 | | | 1.6 | | 26,400 |
| AQRVDOH8D0890 | 8.9 | 71.2 | | 51.9 | | | 1.6 | | 26,400 |
| AQRVDOH8D0900 | 9.0 | 72.0 | | 52.0 | | | 1.6 | | 26,400 |
| AQRVDOH8D0910 | 9.1 | 72.8 | | 58.2 | | | 1.7 | | 28,600 |
| AQRVDOH8D0920 | 9.2 | 73.6 | | 58.3 | | | 1.7 | | 28,600 |
| AQRVDOH8D0930 | 9.3 | 74.4 | 106 | 58.4 | | | 1.7 | | 28,600 |
| AQRVDOH8D0940 | 9.4 | 75.2 | | 58.5 | | | 1.7 | | 28,600 |
| AQRVDOH8D0950 | 9.5 | 76.0 | | 58.6 | 166 | 10 | 1.7 | | 28,600 |
| AQRVDOH8D0960 | 9.6 | 76.8 | | 52.7 | | | 1.7 | | 29,400 |
| AQRVDOH8D0970 | 9.7 | 77.6 | | 52.7 | | | 1.8 | | 29,400 |
| AQRVDOH8D0980 | 9.8 | 78.4 | 112 | 52.8 | | | 1.8 | | 29,400 |
| AQRVDOH8D0990 | 9.9 | 79.2 | | 52.9 | | | 1.8 | | 29,400 |
| AQRVDOH8D1000 | 10.0 | 80.0 | | 53.0 | | | 1.8 | | 29,400 |
| AQRVDOH8D1010 | 10.1 | 80.8 | | 62.2 | | | 1.8 | | 32,500 |
| AQRVDOH8D1020 | 10.2 | 81.6 | | 62.3 | | | 1.9 | | 32,500 |
| AQRVDOH8D1030 | 10.3 | 82.4 | 118 | 62.4 | | | 1.9 | | 32,500 |
| AQRVDOH8D1040 | 10.4 | 83.2 | | 62.5 | | | 1.9 | | 32,500 |
| AQRVDOH8D1050 | 10.5 | 84.0 | | 62.6 | 182 | 11 | 1.9 | | 32,500 |
| AQRVDOH8D1060 | 10.6 | 84.8 | | 56.7 | | | 1.9 | | 33,100 |
| AQRVDOH8D1070 | 10.7 | 85.6 | 124 | 56.7 | | | 1.9 | | 33,100 |
| AQRVDOH8D1080 | 10.8 | 86.4 | | 56.8 | | | 2.0 | | 33,100 |
| AQRVDOH8D1090 | 10.9 | 87.2 | | 56.9 | | | 2.0 | | 33,100 |

単位 (Unit):mm

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|------|-------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH8D1100 | 11.0 | 88.0 | 124 | 57.0 | 182 | 11 | 2.0 | | 33,100 |
| AQRVDOH8D1110 | 11.1 | 88.8 | | 63.2 | | | 2.0 | | 36,400 |
| AQRVDOH8D1120 | 11.2 | 89.6 | | 63.3 | | | 2.0 | | 36,400 |
| AQRVDOH8D1130 | 11.3 | 90.4 | 129 | 63.4 | | | 2.1 | | 36,400 |
| AQRVDOH8D1140 | 11.4 | 91.2 | | 63.5 | | | 2.1 | | 36,400 |
| AQRVDOH8D1150 | 11.5 | 92.0 | | 63.6 | | | 2.1 | | 36,400 |
| AQRVDOH8D1160 | 11.6 | 92.8 | | 57.7 | | 194 | 2.1 | 12 | 37,300 |
| AQRVDOH8D1170 | 11.7 | 93.6 | | 57.7 | | | 2.1 | | 37,300 |
| AQRVDOH8D1180 | 11.8 | 94.4 | 135 | 57.8 | | | 2.1 | | 37,300 |
| AQRVDOH8D1190 | 11.9 | 95.2 | | 57.9 | | | 2.2 | | 37,300 |
| AQRVDOH8D1200 | 12.0 | 96.0 | | 58.0 | | | 2.2 | | 37,300 |
| AQRVDOH8D1210 | 12.1 | 96.8 | | 64.2 | | | 2.2 | | 41,300 |
| AQRVDOH8D1220 | 12.2 | 97.6 | | 64.3 | | | 2.2 | | 41,300 |
| AQRVDOH8D1230 | 12.3 | 98.4 | 140 | 64.4 | | | 2.2 | | 41,300 |
| AQRVDOH8D1240 | 12.4 | 99.2 | | 64.5 | | | 2.3 | | 41,300 |
| AQRVDOH8D1250 | 12.5 | 100.0 | | 64.6 | | | 2.3 | | 41,300 |
| AQRVDOH8D1260 | 12.6 | 100.8 | | 58.7 | | 206 | 2.3 | 13 | 41,900 |
| AQRVDOH8D1270 | 12.7 | 101.6 | | 58.7 | | | 2.3 | | 41,900 |
| AQRVDOH8D1280 | 12.8 | 102.4 | 146 | 58.8 | | | 2.3 | | 41,900 |
| AQRVDOH8D1290 | 12.9 | 103.2 | | 58.9 | | | 2.3 | | 41,900 |
| AQRVDOH8D1300 | 13.0 | 104.0 | | 59.0 | | | 2.4 | | 41,900 |
| AQRVDOH8D1310 | 13.1 | 104.8 | | 65.2 | | | 2.4 | | 46,800 |
| AQRVDOH8D1320 | 13.2 | 105.6 | | 65.3 | | | 2.4 | | 46,800 |
| AQRVDOH8D1330 | 13.3 | 106.4 | 151 | 65.4 | | | 2.4 | | 46,800 |
| AQRVDOH8D1340 | 13.4 | 107.2 | | 65.5 | | | 2.4 | | 46,800 |
| AQRVDOH8D1350 | 13.5 | 108.0 | | 65.6 | | | 2.5 | | 46,800 |
| AQRVDOH8D1360 | 13.6 | 108.8 | | 59.7 | | 218 | 2.5 | 14 | 47,400 |
| AQRVDOH8D1370 | 13.7 | 109.6 | | 59.7 | | | 2.5 | | 47,400 |
| AQRVDOH8D1380 | 13.8 | 110.4 | 157 | 59.8 | | | 2.5 | | 47,400 |
| AQRVDOH8D1390 | 13.9 | 111.2 | | 59.9 | | | 2.5 | | 47,400 |
| AQRVDOH8D1400 | 14.0 | 112.0 | | 60.0 | | | 2.5 | | 47,400 |
| AQRVDOH8D1410 | 14.1 | 112.8 | | 65.2 | | | 2.6 | | 53,200 |
| AQRVDOH8D1420 | 14.2 | 113.6 | | 65.3 | | | 2.6 | | 53,200 |
| AQRVDOH8D1430 | 14.3 | 114.4 | 163 | 65.4 | | | 2.6 | | 53,200 |
| AQRVDOH8D1440 | 14.4 | 115.2 | | 65.5 | | | 2.6 | | 53,200 |
| AQRVDOH8D1450 | 14.5 | 116.0 | | 65.6 | | 230 | 2.6 | 15 | 53,200 |
| AQRVDOH8D1460 | 14.6 | 116.8 | | 59.7 | | | 2.7 | | 53,600 |
| AQRVDOH8D1470 | 14.7 | 117.6 | 169 | 59.7 | | | 2.7 | | 53,600 |
| AQRVDOH8D1480 | 14.8 | 118.4 | | 59.8 | | | 2.7 | | 53,600 |
| AQRVDOH8D1490 | 14.9 | 119.2 | | 59.9 | | | 2.7 | | 53,600 |

| 商品記号 | 直径 | 有効長 | 溝長 | シャンク長 | 全長 | シャンク径 | 先端 | 在庫 | 参考価格(円) |
|---------------|------|-------|-----|-------|-----|--------|-----|-------|----------|
| Code | DC | LU | LCF | LS | OAL | DCONMS | PL | Stock | Price(¥) |
| AQRVDOH8D1500 | 15.0 | 120.0 | 169 | 60.0 | 230 | 15 | 2.7 | | 53,600 |
| AQRVDOH8D1510 | 15.1 | 120.8 | | 66.2 | | | 2.7 | | 60,100 |
| AQRVDOH8D1520 | 15.2 | 121.6 | | 66.3 | | | 2.8 | | 60,100 |
| AQRVDOH8D1530 | 15.3 | 122.4 | 174 | 66.4 | | | 2.8 | | 60,100 |
| AQRVDOH8D1540 | 15.4 | 123.2 | | 66.5 | | | 2.8 | | 60,100 |
| AQRVDOH8D1550 | 15.5 | 124.0 | | 66.6 | | | 2.8 | | 60,100 |
| AQRVDOH8D1560 | 15.6 | 124.8 | | 60.7 | | 242 | 2.8 | 16 | 60,500 |
| AQRVDOH8D1570 | 15.7 | 125.6 | | 60.7 | | | 2.9 | | 60,500 |
| AQRVDOH8D1580 | 15.8 | 126.4 | 180 | 60.8 | | | 2.9 | | 60,500 |
| AQRVDOH8D1590 | 15.9 | 127.2 | | 60.9 | | | 2.9 | | 60,500 |
| AQRVDOH8D1600 | 16.0 | 128.0 | | 61.0 | | | 2.9 | | 60,500 |

基準切削条件表

Standard Cutting Conditions

AQRVDOH3D/5D

レボ
アクアREVOドリルオイルホール 3D/5D

AquaREVO Drills Oil-Hole 3D/5D

ウェット加工 Wet condition

| 被削材 Work Material | 一般構造用鋼 炭素鋼 ねずみ錆鉄 | | 合金鋼 調質鋼 | | ダイス鋼 プリハードン鋼 | | 高硬度鋼 | | ダクタイル鋳鉄 | | ステンレス鋼 フェライト系 マルテンサイト系 オーステナイト系 | | ステンレス鋼 析出硬化系 | | チタン合金 | | Ni基合金 | |
|--------------------------|---|--------------------------|---|--------------------------|--|--------------------------|---|--------------------------|---|--------------------------|--|--------------------------|---|--------------------------|---|--------------------------|---|--------------------------|
| | SS400 S50C FC250 | | SCM440 SCr | | SKD61 NAK HPM | | FCD400 | | SUS430 SUS403 SUS304 | | SUS630 | | Ti-6Al-4V | | インコネル718 | | | |
| | Structural Steel Carbon Steel Cast Iron ~200HB | | Alloy Steel Heat Treated Steel 20~30HRC | | Mold Steel Pre-Hardened Steel 30~40HRC | | Hardened Steel 40~50HRC | | Ductile Cast Iron | | Stainless Steel | | Stainless Steel | | Titanium Alloy | | Nickel based Alloy Inconel | |
| 直径 Drill Dia. (mm) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) |
| 3.0 | 12700 | 1220 | 10600 | 1020 | 8500 | 760 | 4250 | 260 | 10600 | 950 | 8500 | 680 | 5300 | 400 | 4200 | 320 | 4200 | 190 |
| 4.0 | 9600 | 1220 | 8000 | 1020 | 6400 | 760 | 3200 | 260 | 8000 | 950 | 6400 | 680 | 4000 | 400 | 3200 | 320 | 3200 | 190 |
| 6.0 | 6400 | 1220 | 5300 | 1020 | 4200 | 710 | 2100 | 240 | 5300 | 950 | 4200 | 660 | 2600 | 400 | 2100 | 320 | 2100 | 190 |
| 8.0 | 4800 | 1220 | 4000 | 1020 | 3200 | 710 | 1600 | 240 | 4000 | 880 | 3200 | 640 | 2000 | 400 | 1600 | 320 | 1600 | 190 |
| 10.0 | 3800 | 1140 | 3200 | 960 | 2500 | 640 | 1300 | 230 | 3200 | 790 | 2500 | 590 | 1600 | 370 | 1300 | 300 | 1300 | 180 |
| 12.0 | 3200 | 1070 | 2700 | 920 | 2100 | 540 | 1050 | 220 | 2700 | 670 | 2100 | 560 | 1300 | 350 | 1050 | 280 | 1050 | 180 |
| 16.0 | 2400 | 960 | 2000 | 890 | 1600 | 480 | 800 | 210 | 2000 | 620 | 1600 | 510 | 1000 | 320 | 800 | 260 | 800 | 150 |

MQL加工 MQL condition

| 被削材 Work Material | 一般構造用鋼 炭素鋼 ねずみ錆鉄 | | 合金鋼 調質鋼 | | ダイス鋼 プリハードン鋼 | | 高硬度鋼 | | ダクタイル鋳鉄 | |
|--------------------------|---|--------------------------|---|--------------------------|--|--------------------------|---|--------------------------|---|--------------------------|
| | SS400 S50C FC250 | | SCM440 SCr | | SKD61 NAK HPM | | FCD400 | | | |
| | Structural Steel Carbon Steel Cast Iron ~200HB | | Alloy Steel Heat Treated Steel 20~30HRC | | Mold Steel Pre-Hardened Steel 30~40HRC | | Hardened Steel 40~50HRC | | Ductile Cast Iron | |
| 直径 Drill Dia. (mm) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) |
| 3.0 | 8500 | 770 | 7400 | 570 | 6400 | 540 | 2550 | 140 | 7400 | 620 |
| 4.0 | 6400 | 770 | 5600 | 570 | 4800 | 540 | 1900 | 140 | 5600 | 620 |
| 6.0 | 4200 | 770 | 3700 | 570 | 3200 | 540 | 1300 | 130 | 3700 | 620 |
| 8.0 | 3200 | 770 | 2800 | 570 | 2400 | 500 | 1000 | 130 | 2800 | 580 |
| 10.0 | 2500 | 720 | 2200 | 540 | 1900 | 440 | 800 | 120 | 2200 | 500 |
| 12.0 | 2100 | 670 | 1900 | 500 | 1600 | 380 | 650 | 120 | 1900 | 460 |
| 16.0 | 1600 | 600 | 1400 | 500 | 1200 | 340 | 480 | 100 | 1400 | 400 |

切削条件ご利用の注意

- 機械剛性やワーククランプ、加工部形状などの状況により切削条件を調整してください。
- ウェット加工は水溶性切削油剤を使用した場合です。
- 不水溶性切削油剤の場合には回転数と送り速度を20%下げてください。
- 内部給油でお使いください。
- ノンステップ加工が行えます。
ただし、被削材や加工条件により切りくず排出性が悪くなる場合があります。
その場合には所定の穴深さ以下であってもステップ送りをしてください。
ステップ送りには穴の上面まで戻してください。
ステップ量は0.2~1Dcを目安にしてください。

Attention on using the cutting condition tables

- Adjust cutting condition according to the rigidity of machine or work clamp state.
- Wet condition are for drilling with water soluble cutting fluid.
- In non-water soluble cutting fluid, reduce the rotation and feed by 20%.
- Use on internal coolant.
- Non-step drilling is possible.
However, a work material and cutting condition to chip removal may be worse.
In that case, even if under predetermined hole depth, please step feed.
In step feed, return to the entrance hole.
Step feed interval is about 0.2~1×Dc.

AQRVDOH8D

アクアREVO^{レボ}ドリルオイルホール 8D

AquaREVO Drills Oil-Hole 8D

ウェット加工

Wet condition

| 被削材 Work Material | 一般構造用鋼 炭素鋼 ねずみ錆鉄 | | 合金鋼 調質鋼 | | ダイス鋼 プリハードン鋼 | | 高硬度鋼 | | ダクタイル鋳鉄 | | ステンレス鋼 フェライト系 マルテンサイト系 オーステナイト系 | | ステンレス鋼 析出硬化系 | | チタン合金 | | Ni基合金 | |
|--------------------------|---|--------------------------|---|--------------------------|--|--------------------------|---|--------------------------|---|--------------------------|--|--------------------------|---|--------------------------|---|--------------------------|---|--------------------------|
| | SS400 S50C FC250 | | SCM440 SCr | | SKD61 NAK HPM | | Hardened Steel | | FCD400 | | SUS430 SUS403 SUS304 | | SUS630 | | Ti-6Al-4V | | インコネル718 | |
| | Structural Steel Carbon Steel Cast Iron ~200HB | | Alloy Steel Heat Treated Steel 20~30HRC | | Mold Steel Pre-Hardened Steel 30~40HRC | | 40~50HRC | | Ductile Cast Iron | | Stainless Steel | | Stainless Steel | | Titanium Alloy | | Nickel based Alloy Inconel | |
| 直径 Drill Dia. (mm) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) |
| 3.0 | 12700 | 1020 | 10600 | 920 | 8500 | 630 | 4250 | 230 | 10600 | 800 | 8500 | 500 | 5300 | 320 | 4200 | 290 | 4200 | 170 |
| 4.0 | 9600 | 1080 | 8000 | 920 | 6400 | 630 | 3200 | 230 | 8000 | 800 | 6400 | 560 | 4000 | 350 | 3200 | 290 | 3200 | 170 |
| 6.0 | 6400 | 1150 | 5300 | 920 | 4200 | 600 | 2100 | 220 | 5300 | 740 | 4200 | 600 | 2600 | 360 | 2100 | 290 | 2100 | 170 |
| 8.0 | 4800 | 1220 | 4000 | 920 | 3200 | 590 | 1600 | 220 | 4000 | 740 | 3200 | 640 | 2000 | 360 | 1600 | 290 | 1600 | 170 |
| 10.0 | 3800 | 1140 | 3200 | 860 | 2500 | 530 | 1300 | 210 | 3200 | 680 | 2500 | 590 | 1600 | 330 | 1300 | 260 | 1300 | 160 |
| 12.0 | 3200 | 1070 | 2700 | 820 | 2100 | 480 | 1050 | 200 | 2700 | 630 | 2100 | 560 | 1300 | 320 | 1050 | 250 | 1050 | 150 |
| 16.0 | 2400 | 960 | 2000 | 800 | 1600 | 440 | 800 | 190 | 2000 | 550 | 1600 | 510 | 1000 | 290 | 800 | 230 | 800 | 140 |

MQL加工

MQL condition

| 被削材 Work Material | 一般構造用鋼 炭素鋼 ねずみ錆鉄 | | 合金鋼 調質鋼 | | ダイス鋼 プリハードン鋼 | | 高硬度鋼 | | ダクタイル鋳鉄 | |
|--------------------------|---|--------------------------|---|--------------------------|--|--------------------------|---|--------------------------|---|--------------------------|
| | SS400 S50C FC250 | | SCM440 SCr | | SKD61 NAK HPM | | Hardened Steel | | FCD400 | |
| | Structural Steel Carbon Steel Cast Iron ~200HB | | Alloy Steel Heat Treated Steel 20~30HRC | | Mold Steel Pre-Hardened Steel 30~40HRC | | 40~50HRC | | Ductile Cast Iron | |
| 直径 Drill Dia. (mm) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) | 回転数 Rotation (min ⁻¹) | 送り速度 Feed (mm/min) |
| 3.0 | 8500 | 640 | 7400 | 510 | 6400 | 400 | 2550 | 120 | 7400 | 500 |
| 4.0 | 6400 | 680 | 5600 | 510 | 4800 | 400 | 1900 | 120 | 5600 | 500 |
| 6.0 | 4200 | 700 | 3700 | 510 | 3200 | 370 | 1300 | 120 | 3700 | 470 |
| 8.0 | 3200 | 770 | 2800 | 510 | 2400 | 370 | 1000 | 120 | 2800 | 470 |
| 10.0 | 2500 | 720 | 2200 | 480 | 1900 | 340 | 800 | 100 | 2200 | 440 |
| 12.0 | 2100 | 670 | 1900 | 450 | 1600 | 340 | 650 | 100 | 1900 | 430 |
| 16.0 | 1600 | 600 | 1400 | 450 | 1200 | 330 | 480 | 90 | 1400 | 360 |

ISO13399に準拠した寸法記号について

- ISO13399は工具の電子データの世界共通化を目的とした国際規格です。
- 下記に示す通り、ISO13399に準拠した寸法記号での表記を開始しています。
- ISO13399 is an international standard aimed at universalizing the electronic data of tools.
- As shown below, we have started to use the designations that comply with ISO13399.

| 新記号 | 移行前記号 | 内容 | 英語 |
|--------|-------|-------|---------------------|
| DC | Dc | 直径 | Cutting diameter |
| LCF | ℓ | 溝長 | Length chip flute |
| LU | | 有効長 | Usable length |
| LS | | シャンク長 | Shank length |
| OAL | L | 全長 | Overall length |
| DCONMS | Ds | シャンク径 | Connection diameter |
| PL | | 先端 | Point length |
| SIG | | 先端角 | Point angle |

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| 山形営業所 | Tel:0237-71-0321 | Fax:0237-72-5212 | 北陸支店 | Tel:076-425-8013 | Fax:076-492-4319 | 株式会社東海 | Tel:052-769-6911 | Fax:052-769-6913 |
| 福島営業所 | Tel:024-991-4511 | Fax:024-935-1450 | 西日本支社 | Tel:06-7178-5101 | Fax:06-7178-5110 | 株式会社北陸 | Tel:076-424-3991 | Fax:076-492-4319 |
| 北関東支店 | Tel:0276-46-7511 | Fax:0276-46-4599 | 中国四国支店 | Tel:082-568-7460 | Fax:082-568-7465 | 株式会社関西 | Tel:06-7178-2200 | Fax:06-7178-2201 |
| 信州営業所 | Tel:0268-28-7863 | Fax:0268-21-1185 | 九州支店 | Tel:092-441-2505 | Fax:092-471-6600 | | | |

困ったときのテレホンサービス

 **0120-714-159**

- 切削条件・工具選定など、お気軽にお問い合わせください。
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- お求めになる販売店をお探しの方は最寄りの不二越営業拠点までお問い合わせください。

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