

**High Precision drills
for stainless steel** *VA-PDS-SUS*
VA-PDM-SUS

**New standard
high precision drills
for stainless steel.**

- Long tool life is achieved for stainless steel processing.
- Steady hole diameter can be obtained regardless of number of holes processed.
- High speed and feed drilling with excellent chip breaking.

Minimum dia of 0.5mm is available for both short and medium flute length.

Expanded

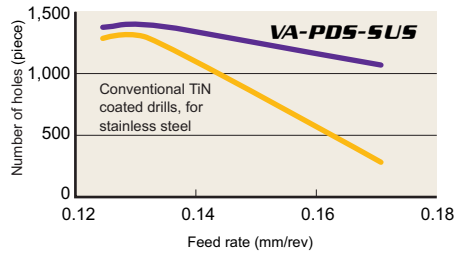


VIOLET DRILL, HIGH PRECISION, FOR STAINLESS STEEL, SHORT/MEDIUM FLUTE LENGTH

VA-PDS-SUS VA-PDM-SUS

Features..... 1 Stable and long tool life

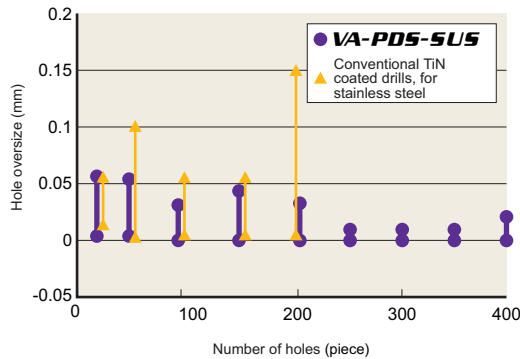
Conventional feed rates for drilling for stainless steels and difficult to cut materials has been set low because of poor machinability. The tool life of VA-PDS-SUS drills will not be shortened even under tough conditions, ensuring a more reliable and wider range of drilling applications.



| | |
|----------------|--------------------------------|
| Drill | VA-PDS-SUS ϕ 6.0 |
| Work material | AISI 304 |
| Revolution | 800min ⁻¹ (15m/min) |
| Drilling depth | 16mm Through |
| Cutting fluid | Emulsion |

Features..... 2 Uniform hole diameter

Long tool life and accurate hole diameters can be achieved regardless of the number of holes that are drilled.

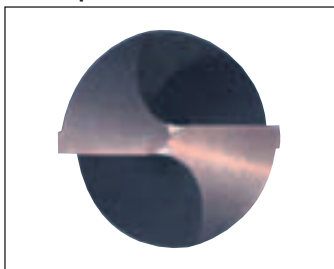


| | |
|----------------|--------------------------------|
| Drill | VA-PDS-SUS ϕ 10.0 |
| Work material | AISI 304 |
| Revolution | 480min ⁻¹ (15m/min) |
| Feed rate | 0.22mm/rev |
| Drilling depth | 16mm Through |
| Cutting fluid | Emulsion |

Features..... 3 High precision drilling and good chip disposability

The new drill point geometry allows efficient drilling and promotes good chip disposability (PAT.P).

■ Drill point



■ Chip shape



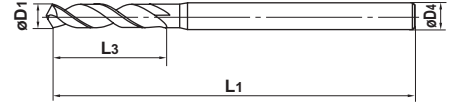
| | |
|----------------|--------------------------------|
| Drill | VA-PDM-SUS ϕ 5.0 |
| Work material | AISI 304 |
| Revolution | 950min ⁻¹ (15m/min) |
| Feed rate | 0.12mm/rev |
| Drilling depth | 15mm |
| Cutting fluid | Emulsion |

VA-PDS-SUS

Short flute length, High precision, For stainless steel



All drills except those with intervals of 0.1mm and under dia. 4mm have a tolerance of 0-0.009mm.



1 ≤ D1

● New design and the Violet coating combination enable high efficiency drilling and long tool life for drilling of stainless steels.

Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|---------|-----------------|-------------------|---------------|-------|
| VAPDSSUSD0050 | 0.5 | 3 | 50 | 3 | ● |
| D0051 | 0.51 | 3 | 50 | 3 | ● |
| D0052 | 0.52 | 3 | 50 | 3 | ● |
| D0053 | 0.53 | 3 | 50 | 3 | ● |
| D0054 | 0.54 | 3 | 50 | 3 | ● |
| D0055 | 0.55 | 3 | 50 | 3 | ● |
| D0056 | 0.56 | 4 | 50 | 3 | ● |
| D0057 | 0.57 | 4 | 50 | 3 | ● |
| D0058 | 0.58 | 4 | 50 | 3 | ● |
| D0059 | 0.59 | 4 | 50 | 3 | ● |
| D0060 | 0.6 | 5 | 50 | 3 | ● |
| D0061 | 0.61 | 5 | 50 | 3 | ● |
| D0062 | 0.62 | 5 | 50 | 3 | ● |
| D0063 | 0.63 | 5 | 50 | 3 | ● |
| D0064 | 0.64 | 5 | 50 | 3 | ● |
| D0065 | 0.65 | 5 | 50 | 3 | ● |
| D0066 | 0.66 | 5 | 50 | 3 | ● |
| D0067 | 0.67 | 5 | 50 | 3 | ● |
| D0068 | 0.68 | 5 | 50 | 3 | ● |
| D0069 | 0.69 | 5 | 50 | 3 | ● |
| D0070 | 0.7 | 5 | 50 | 3 | ● |
| D0071 | 0.71 | 5 | 50 | 3 | ● |
| D0072 | 0.72 | 5 | 50 | 3 | ● |
| D0073 | 0.73 | 5 | 50 | 3 | ● |
| D0074 | 0.74 | 5 | 50 | 3 | ● |
| D0075 | 0.75 | 5 | 50 | 3 | ● |
| D0076 | 0.76 | 5 | 50 | 3 | ● |
| D0077 | 0.77 | 5 | 50 | 3 | ● |
| D0078 | 0.78 | 5 | 50 | 3 | ● |
| D0079 | 0.79 | 5 | 50 | 3 | ● |
| D0080 | 0.8 | 5 | 50 | 3 | ● |
| D0081 | 0.81 | 5 | 50 | 3 | ● |
| D0082 | 0.82 | 5 | 50 | 3 | ● |
| D0083 | 0.83 | 5 | 50 | 3 | ● |
| D0084 | 0.84 | 5 | 50 | 3 | ● |
| D0085 | 0.85 | 5 | 50 | 3 | ● |
| D0086 | 0.86 | 6 | 50 | 3 | ● |
| D0087 | 0.87 | 6 | 50 | 3 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|---------|-----------------|-------------------|---------------|-------|
| VAPDSSUSD0088 | 0.88 | 6 | 50 | 3 | ● |
| D0089 | 0.89 | 6 | 50 | 3 | ● |
| D0090 | 0.9 | 6 | 50 | 3 | ● |
| D0091 | 0.91 | 6 | 50 | 3 | ● |
| D0092 | 0.92 | 6 | 50 | 3 | ● |
| D0093 | 0.93 | 6 | 50 | 3 | ● |
| D0094 | 0.94 | 6 | 50 | 3 | ● |
| D0095 | 0.95 | 6 | 50 | 3 | ● |
| D0096 | 0.96 | 6 | 50 | 3 | ● |
| D0097 | 0.97 | 6 | 50 | 3 | ● |
| D0098 | 0.98 | 6 | 50 | 3 | ● |
| D0099 | 0.99 | 6 | 50 | 3 | ● |
| D0100 | 1.0 | 6 | 50 | 3 | ● |
| D0101 | 1.01 | 6 | 50 | 3 | ● |
| D0102 | 1.02 | 6 | 50 | 3 | ● |
| D0103 | 1.03 | 6 | 50 | 3 | ● |
| D0104 | 1.04 | 6 | 50 | 3 | ● |
| D0105 | 1.05 | 6 | 50 | 3 | ● |
| D0106 | 1.06 | 6 | 50 | 3 | ● |
| D0107 | 1.07 | 8 | 55 | 3 | ● |
| D0108 | 1.08 | 8 | 55 | 3 | ● |
| D0109 | 1.09 | 8 | 55 | 3 | ● |
| D0110 | 1.1 | 8 | 55 | 3 | ● |
| D0111 | 1.11 | 8 | 55 | 3 | ● |
| D0112 | 1.12 | 8 | 55 | 3 | ● |
| D0113 | 1.13 | 8 | 55 | 3 | ● |
| D0114 | 1.14 | 8 | 55 | 3 | ● |
| D0115 | 1.15 | 8 | 55 | 3 | ● |
| D0116 | 1.16 | 8 | 55 | 3 | ● |
| D0117 | 1.17 | 8 | 55 | 3 | ● |
| D0118 | 1.18 | 8 | 55 | 3 | ● |
| D0119 | 1.19 | 8 | 55 | 3 | ● |
| D0120 | 1.2 | 8 | 55 | 3 | ● |
| D0121 | 1.21 | 8 | 55 | 3 | ● |
| D0122 | 1.22 | 8 | 55 | 3 | ● |
| D0123 | 1.23 | 8 | 55 | 3 | ● |
| D0124 | 1.24 | 8 | 55 | 3 | ● |
| D0125 | 1.25 | 8 | 55 | 3 | ● |

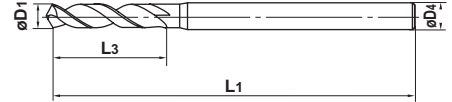
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- New design and the Violet coating combination enable high efficiency drilling and long tool life for drilling of stainless steels.

Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|---------|-----------------|-------------------|---------------|-------|
| VAPDSSUSD0126 | 1.26 | 8 | 55 | 3 | ● |
| D0127 | 1.27 | 8 | 55 | 3 | ● |
| D0128 | 1.28 | 8 | 55 | 3 | ● |
| D0129 | 1.29 | 8 | 55 | 3 | ● |
| D0130 | 1.3 | 9 | 55 | 3 | ● |
| D0131 | 1.31 | 9 | 55 | 3 | ● |
| D0132 | 1.32 | 9 | 55 | 3 | ● |
| D0133 | 1.33 | 9 | 55 | 3 | ● |
| D0134 | 1.34 | 9 | 55 | 3 | ● |
| D0135 | 1.35 | 9 | 55 | 3 | ● |
| D0136 | 1.36 | 9 | 55 | 3 | ● |
| D0137 | 1.37 | 9 | 55 | 3 | ● |
| D0138 | 1.38 | 9 | 55 | 3 | ● |
| D0139 | 1.39 | 9 | 55 | 3 | ● |
| D0140 | 1.4 | 9 | 55 | 3 | ● |
| D0141 | 1.41 | 9 | 55 | 3 | ● |
| D0142 | 1.42 | 9 | 55 | 3 | ● |
| D0143 | 1.43 | 9 | 55 | 3 | ● |
| D0144 | 1.44 | 9 | 55 | 3 | ● |
| D0145 | 1.45 | 9 | 55 | 3 | ● |
| D0146 | 1.46 | 9 | 55 | 3 | ● |
| D0147 | 1.47 | 9 | 55 | 3 | ● |
| D0148 | 1.48 | 9 | 55 | 3 | ● |
| D0149 | 1.49 | 9 | 55 | 3 | ● |
| D0150 | 1.5 | 9 | 55 | 3 | ● |
| D0151 | 1.51 | 11 | 55 | 3 | ● |
| D0152 | 1.52 | 11 | 55 | 3 | ● |
| D0153 | 1.53 | 11 | 55 | 3 | ● |
| D0154 | 1.54 | 11 | 55 | 3 | ● |
| D0155 | 1.55 | 11 | 55 | 3 | ● |
| D0156 | 1.56 | 11 | 55 | 3 | ● |
| D0157 | 1.57 | 11 | 55 | 3 | ● |
| D0158 | 1.58 | 11 | 55 | 3 | ● |
| D0159 | 1.59 | 11 | 55 | 3 | ● |
| D0160 | 1.6 | 11 | 55 | 3 | ● |
| D0161 | 1.61 | 11 | 55 | 3 | ● |
| D0162 | 1.62 | 11 | 55 | 3 | ● |
| D0163 | 1.63 | 11 | 55 | 3 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|---------|-----------------|-------------------|---------------|-------|
| VAPDSSUSD0164 | 1.64 | 11 | 55 | 3 | ● |
| D0165 | 1.65 | 11 | 55 | 3 | ● |
| D0166 | 1.66 | 11 | 55 | 3 | ● |
| D0167 | 1.67 | 11 | 55 | 3 | ● |
| D0168 | 1.68 | 11 | 55 | 3 | ● |
| D0169 | 1.69 | 11 | 55 | 3 | ● |
| D0170 | 1.7 | 11 | 55 | 3 | ● |
| D0171 | 1.71 | 11 | 55 | 3 | ● |
| D0172 | 1.72 | 11 | 55 | 3 | ● |
| D0173 | 1.73 | 11 | 55 | 3 | ● |
| D0174 | 1.74 | 11 | 55 | 3 | ● |
| D0175 | 1.75 | 11 | 55 | 3 | ● |
| D0176 | 1.76 | 11 | 55 | 3 | ● |
| D0177 | 1.77 | 11 | 55 | 3 | ● |
| D0178 | 1.78 | 11 | 55 | 3 | ● |
| D0179 | 1.79 | 11 | 55 | 3 | ● |
| D0180 | 1.8 | 11 | 55 | 3 | ● |
| D0181 | 1.81 | 11 | 55 | 3 | ● |
| D0182 | 1.82 | 11 | 55 | 3 | ● |
| D0183 | 1.83 | 11 | 55 | 3 | ● |
| D0184 | 1.84 | 11 | 55 | 3 | ● |
| D0185 | 1.85 | 11 | 55 | 3 | ● |
| D0186 | 1.86 | 11 | 55 | 3 | ● |
| D0187 | 1.87 | 11 | 55 | 3 | ● |
| D0188 | 1.88 | 11 | 55 | 3 | ● |
| D0189 | 1.89 | 11 | 55 | 3 | ● |
| D0190 | 1.9 | 12 | 55 | 3 | ● |
| D0191 | 1.91 | 12 | 60 | 3 | ● |
| D0192 | 1.92 | 12 | 60 | 3 | ● |
| D0193 | 1.93 | 12 | 60 | 3 | ● |
| D0194 | 1.94 | 12 | 60 | 3 | ● |
| D0195 | 1.95 | 12 | 60 | 3 | ● |
| D0196 | 1.96 | 12 | 60 | 3 | ● |
| D0197 | 1.97 | 12 | 60 | 3 | ● |
| D0198 | 1.98 | 12 | 60 | 3 | ● |
| D0199 | 1.99 | 12 | 60 | 3 | ● |
| D0200 | 2.0 | 12 | 60 | 3 | ● |
| D0201 | 2.01 | 12 | 60 | 3 | ● |

Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|----------------------|------------|-----------------------|-------------------------|---------------------|-------|
| VAPDSSUSD0202 | 2.02 | 12 | 60 | 3 | ● |
| D0203 | 2.03 | 12 | 60 | 3 | ● |
| D0204 | 2.04 | 12 | 60 | 3 | ● |
| D0205 | 2.05 | 12 | 60 | 3 | ● |
| D0206 | 2.06 | 12 | 60 | 3 | ● |
| D0207 | 2.07 | 12 | 60 | 3 | ● |
| D0208 | 2.08 | 12 | 60 | 3 | ● |
| D0209 | 2.09 | 12 | 60 | 3 | ● |
| D0210 | 2.1 | 12 | 60 | 3 | ● |
| D0211 | 2.11 | 12 | 60 | 3 | ● |
| D0212 | 2.12 | 12 | 60 | 3 | ● |
| D0213 | 2.13 | 12 | 60 | 3 | ● |
| D0214 | 2.14 | 12 | 60 | 3 | ● |
| D0215 | 2.15 | 12 | 60 | 3 | ● |
| D0216 | 2.16 | 12 | 60 | 3 | ● |
| D0217 | 2.17 | 12 | 60 | 3 | ● |
| D0218 | 2.18 | 12 | 60 | 3 | ● |
| D0219 | 2.19 | 12 | 60 | 3 | ● |
| D0220 | 2.2 | 12 | 60 | 3 | ● |
| D0221 | 2.21 | 12 | 60 | 3 | ● |
| D0222 | 2.22 | 12 | 60 | 3 | ● |
| D0223 | 2.23 | 12 | 60 | 3 | ● |
| D0224 | 2.24 | 12 | 60 | 3 | ● |
| D0225 | 2.25 | 12 | 60 | 3 | ● |
| D0226 | 2.26 | 12 | 60 | 3 | ● |
| D0227 | 2.27 | 12 | 60 | 3 | ● |
| D0228 | 2.28 | 12 | 60 | 3 | ● |
| D0229 | 2.29 | 12 | 60 | 3 | ● |
| D0230 | 2.3 | 13 | 60 | 3 | ● |
| D0231 | 2.31 | 13 | 60 | 3 | ● |
| D0232 | 2.32 | 13 | 60 | 3 | ● |
| D0233 | 2.33 | 13 | 60 | 3 | ● |
| D0234 | 2.34 | 13 | 60 | 3 | ● |
| D0235 | 2.35 | 13 | 60 | 3 | ● |
| D0236 | 2.36 | 13 | 60 | 3 | ● |
| D0237 | 2.37 | 13 | 60 | 3 | ● |
| D0238 | 2.38 | 13 | 60 | 3 | ● |
| D0239 | 2.39 | 13 | 60 | 3 | ● |
| D0240 | 2.4 | 13 | 60 | 3 | ● |
| D0241 | 2.41 | 13 | 60 | 3 | ● |
| D0242 | 2.42 | 13 | 60 | 3 | ● |
| D0243 | 2.43 | 13 | 60 | 3 | ● |
| D0244 | 2.44 | 13 | 60 | 3 | ● |
| D0245 | 2.45 | 13 | 60 | 3 | ● |
| D0246 | 2.46 | 13 | 60 | 3 | ● |
| D0247 | 2.47 | 13 | 60 | 3 | ● |
| D0248 | 2.48 | 13 | 60 | 3 | ● |
| D0249 | 2.49 | 13 | 60 | 3 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|----------------------|------------|-----------------------|-------------------------|---------------------|-------|
| VAPDSSUSD0250 | 2.5 | 13 | 60 | 3 | ● |
| D0251 | 2.51 | 13 | 60 | 3 | ● |
| D0252 | 2.52 | 13 | 60 | 3 | ● |
| D0253 | 2.53 | 13 | 60 | 3 | ● |
| D0254 | 2.54 | 13 | 60 | 3 | ● |
| D0255 | 2.55 | 13 | 60 | 3 | ● |
| D0256 | 2.56 | 13 | 60 | 3 | ● |
| D0257 | 2.57 | 13 | 60 | 3 | ● |
| D0258 | 2.58 | 13 | 60 | 3 | ● |
| D0259 | 2.59 | 13 | 60 | 3 | ● |
| D0260 | 2.6 | 15 | 60 | 3 | ● |
| D0261 | 2.61 | 15 | 60 | 3 | ● |
| D0262 | 2.62 | 15 | 60 | 3 | ● |
| D0263 | 2.63 | 15 | 60 | 3 | ● |
| D0264 | 2.64 | 15 | 60 | 3 | ● |
| D0265 | 2.65 | 15 | 60 | 3 | ● |
| D0266 | 2.66 | 15 | 60 | 3 | ● |
| D0267 | 2.67 | 15 | 60 | 3 | ● |
| D0268 | 2.68 | 15 | 60 | 3 | ● |
| D0269 | 2.69 | 15 | 60 | 3 | ● |
| D0270 | 2.7 | 15 | 60 | 3 | ● |
| D0271 | 2.71 | 15 | 60 | 3 | ● |
| D0272 | 2.72 | 15 | 60 | 3 | ● |
| D0273 | 2.73 | 15 | 60 | 3 | ● |
| D0274 | 2.74 | 15 | 60 | 3 | ● |
| D0275 | 2.75 | 15 | 60 | 3 | ● |
| D0276 | 2.76 | 15 | 60 | 3 | ● |
| D0277 | 2.77 | 15 | 60 | 3 | ● |
| D0278 | 2.78 | 15 | 60 | 3 | ● |
| D0279 | 2.79 | 15 | 60 | 3 | ● |
| D0280 | 2.8 | 15 | 60 | 3 | ● |
| D0281 | 2.81 | 15 | 60 | 3 | ● |
| D0282 | 2.82 | 15 | 60 | 3 | ● |
| D0283 | 2.83 | 15 | 60 | 3 | ● |
| D0284 | 2.84 | 15 | 60 | 3 | ● |
| D0285 | 2.85 | 15 | 60 | 3 | ● |
| D0286 | 2.86 | 15 | 60 | 3 | ● |
| D0287 | 2.87 | 15 | 60 | 3 | ● |
| D0288 | 2.88 | 15 | 60 | 3 | ● |
| D0289 | 2.89 | 15 | 60 | 3 | ● |
| D0290 | 2.9 | 15 | 60 | 3 | ● |
| D0291 | 2.91 | 15 | 60 | 3 | ● |
| D0292 | 2.92 | 15 | 60 | 3 | ● |
| D0293 | 2.93 | 15 | 60 | 3 | ● |
| D0294 | 2.94 | 15 | 60 | 3 | ● |
| D0295 | 2.95 | 15 | 60 | 3 | ● |
| D0296 | 2.96 | 15 | 60 | 3 | ● |
| D0297 | 2.97 | 15 | 60 | 3 | ● |

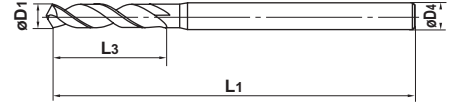
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Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|---------|-----------------|-------------------|---------------|-------|
| VAPDSSUSD0298 | 2.98 | 15 | 60 | 3 | ● |
| D0299 | 2.99 | 15 | 60 | 3 | ● |
| D0300 | 3.0 | 15 | 60 | 3 | ● |
| D0301 | 3.01 | 17 | 70 | 4 | ● |
| D0302 | 3.02 | 17 | 70 | 4 | ● |
| D0303 | 3.03 | 17 | 70 | 4 | ● |
| D0304 | 3.04 | 17 | 70 | 4 | ● |
| D0305 | 3.05 | 17 | 70 | 4 | ● |
| D0306 | 3.06 | 17 | 70 | 4 | ● |
| D0307 | 3.07 | 17 | 70 | 4 | ● |
| D0308 | 3.08 | 17 | 70 | 4 | ● |
| D0309 | 3.09 | 17 | 70 | 4 | ● |
| D0310 | 3.1 | 17 | 70 | 4 | ● |
| D0311 | 3.11 | 17 | 70 | 4 | ● |
| D0312 | 3.12 | 17 | 70 | 4 | ● |
| D0313 | 3.13 | 17 | 70 | 4 | ● |
| D0314 | 3.14 | 17 | 70 | 4 | ● |
| D0315 | 3.15 | 17 | 70 | 4 | ● |
| D0316 | 3.16 | 17 | 70 | 4 | ● |
| D0317 | 3.17 | 17 | 70 | 4 | ● |
| D0318 | 3.18 | 17 | 70 | 4 | ● |
| D0319 | 3.19 | 17 | 70 | 4 | ● |
| D0320 | 3.2 | 17 | 70 | 4 | ● |
| D0321 | 3.21 | 17 | 70 | 4 | ● |
| D0322 | 3.22 | 17 | 70 | 4 | ● |
| D0323 | 3.23 | 17 | 70 | 4 | ● |
| D0324 | 3.24 | 17 | 70 | 4 | ● |
| D0325 | 3.25 | 17 | 70 | 4 | ● |
| D0326 | 3.26 | 17 | 70 | 4 | ● |
| D0327 | 3.27 | 17 | 70 | 4 | ● |
| D0328 | 3.28 | 17 | 70 | 4 | ● |
| D0329 | 3.29 | 17 | 70 | 4 | ● |
| D0330 | 3.3 | 19 | 70 | 4 | ● |
| D0331 | 3.31 | 19 | 70 | 4 | ● |
| D0332 | 3.32 | 19 | 70 | 4 | ● |
| D0333 | 3.33 | 19 | 70 | 4 | ● |
| D0334 | 3.34 | 19 | 70 | 4 | ● |
| D0335 | 3.35 | 19 | 70 | 4 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|---------|-----------------|-------------------|---------------|-------|
| VAPDSSUSD0336 | 3.36 | 19 | 70 | 4 | ● |
| D0337 | 3.37 | 19 | 70 | 4 | ● |
| D0338 | 3.38 | 19 | 70 | 4 | ● |
| D0339 | 3.39 | 19 | 70 | 4 | ● |
| D0340 | 3.4 | 19 | 70 | 4 | ● |
| D0341 | 3.41 | 19 | 70 | 4 | ● |
| D0342 | 3.42 | 19 | 70 | 4 | ● |
| D0343 | 3.43 | 19 | 70 | 4 | ● |
| D0344 | 3.44 | 19 | 70 | 4 | ● |
| D0345 | 3.45 | 19 | 70 | 4 | ● |
| D0346 | 3.46 | 19 | 70 | 4 | ● |
| D0347 | 3.47 | 19 | 70 | 4 | ● |
| D0348 | 3.48 | 19 | 70 | 4 | ● |
| D0349 | 3.49 | 19 | 70 | 4 | ● |
| D0350 | 3.5 | 19 | 70 | 4 | ● |
| D0351 | 3.51 | 19 | 70 | 4 | ● |
| D0352 | 3.52 | 19 | 70 | 4 | ● |
| D0353 | 3.53 | 19 | 70 | 4 | ● |
| D0354 | 3.54 | 19 | 70 | 4 | ● |
| D0355 | 3.55 | 19 | 70 | 4 | ● |
| D0356 | 3.56 | 19 | 70 | 4 | ● |
| D0357 | 3.57 | 19 | 70 | 4 | ● |
| D0358 | 3.58 | 19 | 70 | 4 | ● |
| D0359 | 3.59 | 19 | 70 | 4 | ● |
| D0360 | 3.6 | 21 | 70 | 4 | ● |
| D0361 | 3.61 | 21 | 70 | 4 | ● |
| D0362 | 3.62 | 21 | 70 | 4 | ● |
| D0363 | 3.63 | 21 | 70 | 4 | ● |
| D0364 | 3.64 | 21 | 70 | 4 | ● |
| D0365 | 3.65 | 21 | 70 | 4 | ● |
| D0366 | 3.66 | 21 | 70 | 4 | ● |
| D0367 | 3.67 | 21 | 70 | 4 | ● |
| D0368 | 3.68 | 21 | 70 | 4 | ● |
| D0369 | 3.69 | 21 | 70 | 4 | ● |
| D0370 | 3.7 | 21 | 70 | 4 | ● |
| D0371 | 3.71 | 21 | 70 | 4 | ● |
| D0372 | 3.72 | 21 | 70 | 4 | ● |
| D0373 | 3.73 | 21 | 70 | 4 | ● |

Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|------------|-----------------------|-------------------------|---------------------|-------|
| VAPDSSUSD0374 | 3.74 | 21 | 70 | 4 | ● |
| D0375 | 3.75 | 21 | 70 | 4 | ● |
| D0376 | 3.76 | 21 | 70 | 4 | ● |
| D0377 | 3.77 | 21 | 70 | 4 | ● |
| D0378 | 3.78 | 21 | 70 | 4 | ● |
| D0379 | 3.79 | 21 | 70 | 4 | ● |
| D0380 | 3.8 | 21 | 70 | 4 | ● |
| D0381 | 3.81 | 21 | 70 | 4 | ● |
| D0382 | 3.82 | 21 | 70 | 4 | ● |
| D0383 | 3.83 | 21 | 70 | 4 | ● |
| D0384 | 3.84 | 21 | 70 | 4 | ● |
| D0385 | 3.85 | 21 | 70 | 4 | ● |
| D0386 | 3.86 | 21 | 70 | 4 | ● |
| D0387 | 3.87 | 21 | 70 | 4 | ● |
| D0388 | 3.88 | 21 | 70 | 4 | ● |
| D0389 | 3.89 | 21 | 70 | 4 | ● |
| D0390 | 3.9 | 21 | 70 | 4 | ● |
| D0391 | 3.91 | 21 | 70 | 4 | ● |
| D0392 | 3.92 | 21 | 70 | 4 | ● |
| D0393 | 3.93 | 21 | 70 | 4 | ● |
| D0394 | 3.94 | 21 | 70 | 4 | ● |
| D0395 | 3.95 | 21 | 70 | 4 | ● |
| D0396 | 3.96 | 21 | 70 | 4 | ● |
| D0397 | 3.97 | 21 | 70 | 4 | ● |
| D0398 | 3.98 | 21 | 70 | 4 | ● |
| D0399 | 3.99 | 21 | 70 | 4 | ● |
| D0400 | 4.0 | 21 | 70 | 4 | ● |
| D0405 | 4.05 | 21 | 80 | 6 | ● |
| D0410 | 4.1 | 21 | 80 | 6 | ● |
| D0415 | 4.15 | 21 | 80 | 6 | ● |
| D0420 | 4.2 | 21 | 80 | 6 | ● |
| D0425 | 4.25 | 21 | 80 | 6 | ● |
| D0430 | 4.3 | 23 | 80 | 6 | ● |
| D0435 | 4.35 | 23 | 80 | 6 | ● |
| D0440 | 4.4 | 23 | 80 | 6 | ● |
| D0445 | 4.45 | 23 | 80 | 6 | ● |
| D0450 | 4.5 | 23 | 80 | 6 | ● |
| D0455 | 4.55 | 23 | 80 | 6 | ● |
| D0460 | 4.6 | 25 | 80 | 6 | ● |
| D0465 | 4.65 | 25 | 80 | 6 | ● |
| D0470 | 4.7 | 25 | 80 | 6 | ● |
| D0475 | 4.75 | 25 | 80 | 6 | ● |
| D0480 | 4.8 | 25 | 80 | 6 | ● |
| D0485 | 4.85 | 25 | 80 | 6 | ● |
| D0490 | 4.9 | 25 | 80 | 6 | ● |
| D0495 | 4.95 | 25 | 80 | 6 | ● |
| D0500 | 5.0 | 25 | 80 | 6 | ● |
| D0505 | 5.05 | 25 | 80 | 6 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|------------|-----------------------|-------------------------|---------------------|-------|
| VAPDSSUSD0510 | 5.1 | 25 | 80 | 6 | ● |
| D0515 | 5.15 | 25 | 80 | 6 | ● |
| D0520 | 5.2 | 25 | 80 | 6 | ● |
| D0525 | 5.25 | 25 | 80 | 6 | ● |
| D0530 | 5.3 | 25 | 80 | 6 | ● |
| D0535 | 5.35 | 27 | 80 | 6 | ● |
| D0540 | 5.4 | 27 | 80 | 6 | ● |
| D0545 | 5.45 | 27 | 80 | 6 | ● |
| D0550 | 5.5 | 27 | 80 | 6 | ● |
| D0555 | 5.55 | 27 | 80 | 6 | ● |
| D0560 | 5.6 | 27 | 80 | 6 | ● |
| D0565 | 5.65 | 27 | 80 | 6 | ● |
| D0570 | 5.7 | 27 | 80 | 6 | ● |
| D0575 | 5.75 | 27 | 80 | 6 | ● |
| D0580 | 5.8 | 27 | 80 | 6 | ● |
| D0585 | 5.85 | 27 | 80 | 6 | ● |
| D0590 | 5.9 | 27 | 80 | 6 | ● |
| D0595 | 5.95 | 27 | 80 | 6 | ● |
| D0600 | 6.0 | 27 | 80 | 6 | ● |
| D0605 | 6.05 | 30 | 80 | 8 | ● |
| D0610 | 6.1 | 30 | 80 | 8 | ● |
| D0615 | 6.15 | 30 | 80 | 8 | ● |
| D0620 | 6.2 | 30 | 80 | 8 | ● |
| D0625 | 6.25 | 30 | 80 | 8 | ● |
| D0630 | 6.3 | 30 | 80 | 8 | ● |
| D0635 | 6.35 | 30 | 80 | 8 | ● |
| D0640 | 6.4 | 30 | 80 | 8 | ● |
| D0645 | 6.45 | 30 | 80 | 8 | ● |
| D0650 | 6.5 | 30 | 80 | 8 | ● |
| D0655 | 6.55 | 30 | 80 | 8 | ● |
| D0660 | 6.6 | 30 | 80 | 8 | ● |
| D0665 | 6.65 | 30 | 80 | 8 | ● |
| D0670 | 6.7 | 30 | 80 | 8 | ● |
| D0675 | 6.75 | 32 | 80 | 8 | ● |
| D0680 | 6.8 | 32 | 80 | 8 | ● |
| D0685 | 6.85 | 32 | 80 | 8 | ● |
| D0690 | 6.9 | 32 | 80 | 8 | ● |
| D0695 | 6.95 | 32 | 80 | 8 | ● |
| D0700 | 7.0 | 32 | 80 | 8 | ● |
| D0705 | 7.05 | 32 | 80 | 8 | ● |
| D0710 | 7.1 | 32 | 80 | 8 | ● |
| D0715 | 7.15 | 32 | 80 | 8 | ● |
| D0720 | 7.2 | 32 | 80 | 8 | ● |
| D0725 | 7.25 | 32 | 80 | 8 | ● |
| D0730 | 7.3 | 32 | 80 | 8 | ● |
| D0735 | 7.35 | 32 | 80 | 8 | ● |
| D0740 | 7.4 | 32 | 80 | 8 | ● |
| D0745 | 7.45 | 32 | 80 | 8 | ● |

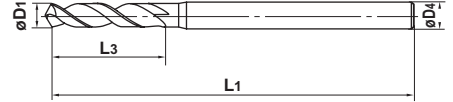
VIOLET DRILLS

VA-PDS-SUS

Short flute length, High precision, For stainless steel



All drills except those with intervals of 0.1mm and under dia. 4mm have a tolerance of 0-0.009mm.



1 ≤ D1

- New design and the Violet coating combination enable high efficiency drilling and long tool life for drilling of stainless steels.

Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|---------|-----------------|-------------------|---------------|-------|
| VAPDSSUSD0750 | 7.5 | 32 | 80 | 8 | ● |
| D0755 | 7.55 | 35 | 85 | 8 | ● |
| D0760 | 7.6 | 35 | 85 | 8 | ● |
| D0765 | 7.65 | 35 | 85 | 8 | ● |
| D0770 | 7.7 | 35 | 85 | 8 | ● |
| D0775 | 7.75 | 35 | 85 | 8 | ● |
| D0780 | 7.8 | 35 | 85 | 8 | ● |
| D0785 | 7.85 | 35 | 85 | 8 | ● |
| D0790 | 7.9 | 35 | 85 | 8 | ● |
| D0795 | 7.95 | 35 | 85 | 8 | ● |
| D0800 | 8.0 | 35 | 85 | 8 | ● |
| D0805 | 8.05 | 35 | 90 | 10 | ● |
| D0810 | 8.1 | 35 | 90 | 10 | ● |
| D0815 | 8.15 | 35 | 90 | 10 | ● |
| D0820 | 8.2 | 35 | 90 | 10 | ● |
| D0825 | 8.25 | 35 | 90 | 10 | ● |
| D0830 | 8.3 | 35 | 90 | 10 | ● |
| D0835 | 8.35 | 35 | 90 | 10 | ● |
| D0840 | 8.4 | 35 | 90 | 10 | ● |
| D0845 | 8.45 | 35 | 90 | 10 | ● |
| D0850 | 8.5 | 35 | 90 | 10 | ● |
| D0855 | 8.55 | 38 | 93 | 10 | ● |
| D0860 | 8.6 | 38 | 93 | 10 | ● |
| D0865 | 8.65 | 38 | 93 | 10 | ● |
| D0870 | 8.7 | 38 | 93 | 10 | ● |
| D0875 | 8.75 | 38 | 93 | 10 | ● |
| D0880 | 8.8 | 38 | 93 | 10 | ● |
| D0885 | 8.85 | 38 | 93 | 10 | ● |
| D0890 | 8.9 | 38 | 93 | 10 | ● |
| D0895 | 8.95 | 38 | 93 | 10 | ● |
| D0900 | 9.0 | 38 | 93 | 10 | ● |
| D0910 | 9.1 | 38 | 93 | 10 | ● |
| D0920 | 9.2 | 38 | 93 | 10 | ● |
| D0930 | 9.3 | 38 | 93 | 10 | ● |
| D0940 | 9.4 | 38 | 93 | 10 | ● |
| D0950 | 9.5 | 38 | 93 | 10 | ● |
| D0960 | 9.6 | 41 | 96 | 10 | ● |
| D0970 | 9.7 | 41 | 96 | 10 | ● |

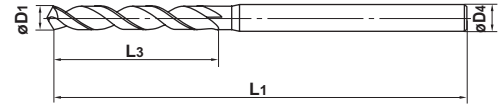
| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|---------|-----------------|-------------------|---------------|-------|
| VAPDSSUSD0980 | 9.8 | 41 | 96 | 10 | ● |
| D0990 | 9.9 | 41 | 96 | 10 | ● |
| D1000 | 10.0 | 41 | 96 | 10 | ● |
| D1010 | 10.1 | 41 | 101 | 12 | ● |
| D1020 | 10.2 | 41 | 101 | 12 | ● |
| D1030 | 10.3 | 41 | 101 | 12 | ● |
| D1040 | 10.4 | 41 | 101 | 12 | ● |
| D1050 | 10.5 | 41 | 101 | 12 | ● |
| D1060 | 10.6 | 41 | 101 | 12 | ● |
| D1070 | 10.7 | 45 | 105 | 12 | ● |
| D1080 | 10.8 | 45 | 105 | 12 | ● |
| D1090 | 10.9 | 45 | 105 | 12 | ● |
| D1100 | 11.0 | 45 | 105 | 12 | ● |
| D1110 | 11.1 | 45 | 105 | 12 | ● |
| D1120 | 11.2 | 45 | 105 | 12 | ● |
| D1130 | 11.3 | 45 | 105 | 12 | ● |
| D1140 | 11.4 | 45 | 105 | 12 | ● |
| D1150 | 11.5 | 45 | 105 | 12 | ● |
| D1160 | 11.6 | 45 | 105 | 12 | ● |
| D1170 | 11.7 | 45 | 105 | 12 | ● |
| D1180 | 11.8 | 45 | 105 | 12 | ● |
| D1190 | 11.9 | 49 | 109 | 12 | ● |
| D1200 | 12.0 | 49 | 109 | 12 | ● |
| D1210 | 12.1 | 49 | 109 | 12 | ● |
| D1220 | 12.2 | 49 | 109 | 12 | ● |
| D1230 | 12.3 | 49 | 109 | 12 | ● |
| D1240 | 12.4 | 49 | 109 | 12 | ● |
| D1250 | 12.5 | 49 | 109 | 12 | ● |
| D1260 | 12.6 | 49 | 109 | 12 | ● |
| D1270 | 12.7 | 49 | 109 | 12 | ● |
| D1280 | 12.8 | 49 | 109 | 12 | ● |
| D1290 | 12.9 | 49 | 109 | 12 | ● |
| D1300 | 13.0 | 49 | 109 | 12 | ● |

VA-PDM-SUS *Expand*

Medium flute length, High precision, For stainless steel



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Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|-----------------------------|---------|-----------------|-------------------|---------------|-------|
| <i>Expand</i> VAPDMSUSD0050 | 0.5 | 6 | 50 | 3 | ● |
| <i>Expand</i> D0051 | 0.51 | 6 | 50 | 3 | ● |
| <i>Expand</i> D0052 | 0.52 | 6 | 50 | 3 | ● |
| <i>Expand</i> D0053 | 0.53 | 6 | 50 | 3 | ● |
| <i>Expand</i> D0054 | 0.54 | 6 | 50 | 3 | ● |
| <i>Expand</i> D0055 | 0.55 | 6 | 50 | 3 | ● |
| <i>Expand</i> D0056 | 0.56 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0057 | 0.57 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0058 | 0.58 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0059 | 0.59 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0060 | 0.6 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0061 | 0.61 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0062 | 0.62 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0063 | 0.63 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0064 | 0.64 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0065 | 0.65 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0066 | 0.66 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0067 | 0.67 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0068 | 0.68 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0069 | 0.69 | 8 | 50 | 3 | ● |
| <i>Expand</i> D0070 | 0.7 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0071 | 0.71 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0072 | 0.72 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0073 | 0.73 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0074 | 0.74 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0075 | 0.75 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0076 | 0.76 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0077 | 0.77 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0078 | 0.78 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0079 | 0.79 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0080 | 0.8 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0081 | 0.81 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0082 | 0.82 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0083 | 0.83 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0084 | 0.84 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0085 | 0.85 | 10 | 50 | 3 | ● |
| <i>Expand</i> D0086 | 0.86 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0087 | 0.87 | 12 | 50 | 3 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|-----------------------------|---------|-----------------|-------------------|---------------|-------|
| <i>Expand</i> VAPDMSUSD0088 | 0.88 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0089 | 0.89 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0090 | 0.9 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0091 | 0.91 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0092 | 0.92 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0093 | 0.93 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0094 | 0.94 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0095 | 0.95 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0096 | 0.96 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0097 | 0.97 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0098 | 0.98 | 12 | 50 | 3 | ● |
| <i>Expand</i> D0099 | 0.99 | 12 | 50 | 3 | ● |
| D0100 | 1.0 | 12 | 60 | 3 | ● |
| <i>Expand</i> D0101 | 1.01 | 12 | 60 | 3 | ● |
| <i>Expand</i> D0102 | 1.02 | 12 | 60 | 3 | ● |
| <i>Expand</i> D0103 | 1.03 | 12 | 60 | 3 | ● |
| <i>Expand</i> D0104 | 1.04 | 12 | 60 | 3 | ● |
| <i>Expand</i> D0105 | 1.05 | 12 | 60 | 3 | ● |
| <i>Expand</i> D0106 | 1.06 | 12 | 60 | 3 | ● |
| <i>Expand</i> D0107 | 1.07 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0108 | 1.08 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0109 | 1.09 | 16 | 60 | 3 | ● |
| D0110 | 1.1 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0111 | 1.11 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0112 | 1.12 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0113 | 1.13 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0114 | 1.14 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0115 | 1.15 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0116 | 1.16 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0117 | 1.17 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0118 | 1.18 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0119 | 1.19 | 16 | 60 | 3 | ● |
| D0120 | 1.2 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0121 | 1.21 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0122 | 1.22 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0123 | 1.23 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0124 | 1.24 | 16 | 60 | 3 | ● |
| <i>Expand</i> D0125 | 1.25 | 16 | 60 | 3 | ● |

● : Inventory maintained.

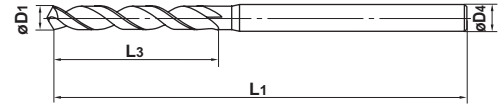
VIOLET DRILLS

VA-PDM-SUS Expand

Medium flute length, High precision, For stainless steel



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Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|--|---------|-----------------|-------------------|---------------|-------|
| Expand VAPDMSUSD0126 | 1.26 | 16 | 60 | 3 | ● |
| Expand D0127 | 1.27 | 16 | 60 | 3 | ● |
| Expand D0128 | 1.28 | 16 | 60 | 3 | ● |
| Expand D0129 | 1.29 | 16 | 60 | 3 | ● |
| D0130 | 1.3 | 16 | 60 | 3 | ● |
| Expand D0131 | 1.31 | 18 | 60 | 3 | ● |
| Expand D0132 | 1.32 | 18 | 60 | 3 | ● |
| Expand D0133 | 1.33 | 18 | 60 | 3 | ● |
| Expand D0134 | 1.34 | 18 | 60 | 3 | ● |
| Expand D0135 | 1.35 | 18 | 60 | 3 | ● |
| Expand D0136 | 1.36 | 18 | 60 | 3 | ● |
| Expand D0137 | 1.37 | 18 | 60 | 3 | ● |
| Expand D0138 | 1.38 | 18 | 60 | 3 | ● |
| Expand D0139 | 1.39 | 18 | 60 | 3 | ● |
| D0140 | 1.4 | 18 | 60 | 3 | ● |
| Expand D0141 | 1.41 | 18 | 60 | 3 | ● |
| Expand D0142 | 1.42 | 18 | 60 | 3 | ● |
| Expand D0143 | 1.43 | 18 | 60 | 3 | ● |
| Expand D0144 | 1.44 | 18 | 60 | 3 | ● |
| Expand D0145 | 1.45 | 18 | 60 | 3 | ● |
| Expand D0146 | 1.46 | 18 | 60 | 3 | ● |
| Expand D0147 | 1.47 | 18 | 60 | 3 | ● |
| Expand D0148 | 1.48 | 18 | 60 | 3 | ● |
| Expand D0149 | 1.49 | 18 | 60 | 3 | ● |
| D0150 | 1.5 | 18 | 60 | 3 | ● |
| Expand D0151 | 1.51 | 20 | 60 | 3 | ● |
| Expand D0152 | 1.52 | 20 | 60 | 3 | ● |
| Expand D0153 | 1.53 | 20 | 60 | 3 | ● |
| Expand D0154 | 1.54 | 20 | 60 | 3 | ● |
| Expand D0155 | 1.55 | 20 | 60 | 3 | ● |
| Expand D0156 | 1.56 | 20 | 60 | 3 | ● |
| Expand D0157 | 1.57 | 20 | 60 | 3 | ● |
| Expand D0158 | 1.58 | 20 | 60 | 3 | ● |
| Expand D0159 | 1.59 | 20 | 60 | 3 | ● |
| D0160 | 1.6 | 20 | 60 | 3 | ● |
| Expand D0161 | 1.61 | 20 | 60 | 3 | ● |
| Expand D0162 | 1.62 | 20 | 60 | 3 | ● |
| Expand D0163 | 1.63 | 20 | 60 | 3 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|--|---------|-----------------|-------------------|---------------|-------|
| Expand VAPDMSUSD0164 | 1.64 | 20 | 60 | 3 | ● |
| Expand D0165 | 1.65 | 20 | 60 | 3 | ● |
| Expand D0166 | 1.66 | 20 | 60 | 3 | ● |
| Expand D0167 | 1.67 | 20 | 60 | 3 | ● |
| Expand D0168 | 1.68 | 20 | 60 | 3 | ● |
| Expand D0169 | 1.69 | 20 | 60 | 3 | ● |
| D0170 | 1.7 | 20 | 60 | 3 | ● |
| Expand D0171 | 1.71 | 20 | 60 | 3 | ● |
| Expand D0172 | 1.72 | 20 | 60 | 3 | ● |
| Expand D0173 | 1.73 | 20 | 60 | 3 | ● |
| Expand D0174 | 1.74 | 20 | 60 | 3 | ● |
| Expand D0175 | 1.75 | 20 | 60 | 3 | ● |
| Expand D0176 | 1.76 | 20 | 60 | 3 | ● |
| Expand D0177 | 1.77 | 20 | 60 | 3 | ● |
| Expand D0178 | 1.78 | 20 | 60 | 3 | ● |
| Expand D0179 | 1.79 | 20 | 60 | 3 | ● |
| D0180 | 1.8 | 22 | 60 | 3 | ● |
| Expand D0181 | 1.81 | 22 | 60 | 3 | ● |
| Expand D0182 | 1.82 | 22 | 60 | 3 | ● |
| Expand D0183 | 1.83 | 22 | 60 | 3 | ● |
| Expand D0184 | 1.84 | 22 | 60 | 3 | ● |
| Expand D0185 | 1.85 | 22 | 60 | 3 | ● |
| Expand D0186 | 1.86 | 22 | 60 | 3 | ● |
| Expand D0187 | 1.87 | 22 | 60 | 3 | ● |
| Expand D0188 | 1.88 | 22 | 60 | 3 | ● |
| Expand D0189 | 1.89 | 22 | 60 | 3 | ● |
| D0190 | 1.9 | 22 | 60 | 3 | ● |
| Expand D0191 | 1.91 | 23 | 60 | 3 | ● |
| Expand D0192 | 1.92 | 23 | 60 | 3 | ● |
| Expand D0193 | 1.93 | 23 | 60 | 3 | ● |
| Expand D0194 | 1.94 | 23 | 60 | 3 | ● |
| Expand D0195 | 1.95 | 23 | 60 | 3 | ● |
| Expand D0196 | 1.96 | 23 | 60 | 3 | ● |
| Expand D0197 | 1.97 | 23 | 60 | 3 | ● |
| Expand D0198 | 1.98 | 23 | 60 | 3 | ● |
| Expand D0199 | 1.99 | 23 | 60 | 3 | ● |
| D0200 | 2.0 | 23 | 70 | 3 | ● |
| Expand D0201 | 2.01 | 23 | 70 | 3 | ● |

Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|--------------------------------------|------------|-----------------------|-------------------------|---------------------|-------|
| Expand VAPDMSUSD0202 | 2.02 | 23 | 70 | 3 | ● |
| Expand D0203 | 2.03 | 23 | 70 | 3 | ● |
| Expand D0204 | 2.04 | 23 | 70 | 3 | ● |
| Expand D0205 | 2.05 | 23 | 70 | 3 | ● |
| Expand D0206 | 2.06 | 23 | 70 | 3 | ● |
| Expand D0207 | 2.07 | 23 | 70 | 3 | ● |
| Expand D0208 | 2.08 | 23 | 70 | 3 | ● |
| Expand D0209 | 2.09 | 23 | 70 | 3 | ● |
| D0210 | 2.1 | 23 | 70 | 3 | ● |
| Expand D0211 | 2.11 | 23 | 70 | 3 | ● |
| Expand D0212 | 2.12 | 23 | 70 | 3 | ● |
| Expand D0213 | 2.13 | 23 | 70 | 3 | ● |
| Expand D0214 | 2.14 | 23 | 70 | 3 | ● |
| Expand D0215 | 2.15 | 23 | 70 | 3 | ● |
| Expand D0216 | 2.16 | 23 | 70 | 3 | ● |
| Expand D0217 | 2.17 | 23 | 70 | 3 | ● |
| Expand D0218 | 2.18 | 23 | 70 | 3 | ● |
| Expand D0219 | 2.19 | 23 | 70 | 3 | ● |
| D0220 | 2.2 | 26 | 70 | 3 | ● |
| Expand D0221 | 2.21 | 26 | 70 | 3 | ● |
| Expand D0222 | 2.22 | 26 | 70 | 3 | ● |
| Expand D0223 | 2.23 | 26 | 70 | 3 | ● |
| Expand D0224 | 2.24 | 26 | 70 | 3 | ● |
| Expand D0225 | 2.25 | 26 | 70 | 3 | ● |
| Expand D0226 | 2.26 | 26 | 70 | 3 | ● |
| Expand D0227 | 2.27 | 26 | 70 | 3 | ● |
| Expand D0228 | 2.28 | 26 | 70 | 3 | ● |
| Expand D0229 | 2.29 | 26 | 70 | 3 | ● |
| D0230 | 2.3 | 26 | 70 | 3 | ● |
| Expand D0231 | 2.31 | 26 | 70 | 3 | ● |
| Expand D0232 | 2.32 | 26 | 70 | 3 | ● |
| Expand D0233 | 2.33 | 26 | 70 | 3 | ● |
| Expand D0234 | 2.34 | 26 | 70 | 3 | ● |
| Expand D0235 | 2.35 | 26 | 70 | 3 | ● |
| Expand D0236 | 2.36 | 26 | 70 | 3 | ● |
| Expand D0237 | 2.37 | 26 | 70 | 3 | ● |
| Expand D0238 | 2.38 | 26 | 70 | 3 | ● |
| Expand D0239 | 2.39 | 26 | 70 | 3 | ● |
| D0240 | 2.4 | 29 | 70 | 3 | ● |
| Expand D0241 | 2.41 | 29 | 70 | 3 | ● |
| Expand D0242 | 2.42 | 29 | 70 | 3 | ● |
| Expand D0243 | 2.43 | 29 | 70 | 3 | ● |
| Expand D0244 | 2.44 | 29 | 70 | 3 | ● |
| Expand D0245 | 2.45 | 29 | 70 | 3 | ● |
| Expand D0246 | 2.46 | 29 | 70 | 3 | ● |
| Expand D0247 | 2.47 | 29 | 70 | 3 | ● |
| Expand D0248 | 2.48 | 29 | 70 | 3 | ● |
| Expand D0249 | 2.49 | 29 | 70 | 3 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|------------------------------|------------|-----------------------|-------------------------|---------------------|-------|
| VAPDMSUSD0250 | 2.5 | 29 | 70 | 3 | ● |
| Expand D0251 | 2.51 | 29 | 70 | 3 | ● |
| Expand D0252 | 2.52 | 29 | 70 | 3 | ● |
| Expand D0253 | 2.53 | 29 | 70 | 3 | ● |
| Expand D0254 | 2.54 | 29 | 70 | 3 | ● |
| Expand D0255 | 2.55 | 29 | 70 | 3 | ● |
| Expand D0256 | 2.56 | 29 | 70 | 3 | ● |
| Expand D0257 | 2.57 | 29 | 70 | 3 | ● |
| Expand D0258 | 2.58 | 29 | 70 | 3 | ● |
| Expand D0259 | 2.59 | 29 | 70 | 3 | ● |
| D0260 | 2.6 | 29 | 70 | 3 | ● |
| Expand D0261 | 2.61 | 29 | 70 | 3 | ● |
| Expand D0262 | 2.62 | 29 | 70 | 3 | ● |
| Expand D0263 | 2.63 | 29 | 70 | 3 | ● |
| Expand D0264 | 2.64 | 29 | 70 | 3 | ● |
| Expand D0265 | 2.65 | 29 | 70 | 3 | ● |
| Expand D0266 | 2.66 | 29 | 70 | 3 | ● |
| Expand D0267 | 2.67 | 29 | 70 | 3 | ● |
| Expand D0268 | 2.68 | 29 | 70 | 3 | ● |
| Expand D0269 | 2.69 | 29 | 70 | 3 | ● |
| D0270 | 2.7 | 32 | 70 | 3 | ● |
| Expand D0271 | 2.71 | 32 | 70 | 3 | ● |
| Expand D0272 | 2.72 | 32 | 70 | 3 | ● |
| Expand D0273 | 2.73 | 32 | 70 | 3 | ● |
| Expand D0274 | 2.74 | 32 | 70 | 3 | ● |
| Expand D0275 | 2.75 | 32 | 70 | 3 | ● |
| Expand D0276 | 2.76 | 32 | 70 | 3 | ● |
| Expand D0277 | 2.77 | 32 | 70 | 3 | ● |
| Expand D0278 | 2.78 | 32 | 70 | 3 | ● |
| Expand D0279 | 2.79 | 32 | 70 | 3 | ● |
| D0280 | 2.8 | 32 | 70 | 3 | ● |
| Expand D0281 | 2.81 | 32 | 70 | 3 | ● |
| Expand D0282 | 2.82 | 32 | 70 | 3 | ● |
| Expand D0283 | 2.83 | 32 | 70 | 3 | ● |
| Expand D0284 | 2.84 | 32 | 70 | 3 | ● |
| Expand D0285 | 2.85 | 32 | 70 | 3 | ● |
| Expand D0286 | 2.86 | 32 | 70 | 3 | ● |
| Expand D0287 | 2.87 | 32 | 70 | 3 | ● |
| Expand D0288 | 2.88 | 32 | 70 | 3 | ● |
| Expand D0289 | 2.89 | 32 | 70 | 3 | ● |
| D0290 | 2.9 | 32 | 70 | 3 | ● |
| Expand D0291 | 2.91 | 32 | 70 | 3 | ● |
| Expand D0292 | 2.92 | 32 | 70 | 3 | ● |
| Expand D0293 | 2.93 | 32 | 70 | 3 | ● |
| Expand D0294 | 2.94 | 32 | 70 | 3 | ● |
| Expand D0295 | 2.95 | 32 | 70 | 3 | ● |
| Expand D0296 | 2.96 | 32 | 70 | 3 | ● |
| Expand D0297 | 2.97 | 32 | 70 | 3 | ● |

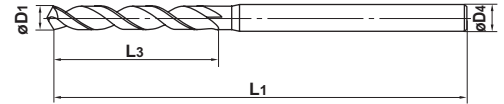
VIOLET DRILLS

VA-PDM-SUS Expand

Medium flute length, High precision, For stainless steel



All drills except those with intervals of 0.1mm and under dia. 4mm have a tolerance of 0-0.009mm.



- New design and the Violet coating combination enable high efficiency drilling and long tool life for drilling of stainless steels.

Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|-------------------------------------|---------|-----------------|-------------------|---------------|-------|
| <small>Expand</small> VAPDMSUSD0298 | 2.98 | 32 | 70 | 3 | ● |
| <small>Expand</small> D0299 | 2.99 | 32 | 70 | 3 | ● |
| D0300 | 3.0 | 32 | 70 | 3 | ● |
| <small>Expand</small> D0301 | 3.01 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0302 | 3.02 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0303 | 3.03 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0304 | 3.04 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0305 | 3.05 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0306 | 3.06 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0307 | 3.07 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0308 | 3.08 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0309 | 3.09 | 35 | 85 | 4 | ● |
| D0310 | 3.1 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0311 | 3.11 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0312 | 3.12 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0313 | 3.13 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0314 | 3.14 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0315 | 3.15 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0316 | 3.16 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0317 | 3.17 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0318 | 3.18 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0319 | 3.19 | 35 | 85 | 4 | ● |
| D0320 | 3.2 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0321 | 3.21 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0322 | 3.22 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0323 | 3.23 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0324 | 3.24 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0325 | 3.25 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0326 | 3.26 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0327 | 3.27 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0328 | 3.28 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0329 | 3.29 | 35 | 85 | 4 | ● |
| D0330 | 3.3 | 35 | 85 | 4 | ● |
| <small>Expand</small> D0331 | 3.31 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0332 | 3.32 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0333 | 3.33 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0334 | 3.34 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0335 | 3.35 | 38 | 85 | 4 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|-------------------------------------|---------|-----------------|-------------------|---------------|-------|
| <small>Expand</small> VAPDMSUSD0336 | 3.36 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0337 | 3.37 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0338 | 3.38 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0339 | 3.39 | 38 | 85 | 4 | ● |
| D0340 | 3.4 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0341 | 3.41 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0342 | 3.42 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0343 | 3.43 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0344 | 3.44 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0345 | 3.45 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0346 | 3.46 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0347 | 3.47 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0348 | 3.48 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0349 | 3.49 | 38 | 85 | 4 | ● |
| D0350 | 3.5 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0351 | 3.51 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0352 | 3.52 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0353 | 3.53 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0354 | 3.54 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0355 | 3.55 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0356 | 3.56 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0357 | 3.57 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0358 | 3.58 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0359 | 3.59 | 38 | 85 | 4 | ● |
| D0360 | 3.6 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0361 | 3.61 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0362 | 3.62 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0363 | 3.63 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0364 | 3.64 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0365 | 3.65 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0366 | 3.66 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0367 | 3.67 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0368 | 3.68 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0369 | 3.69 | 38 | 85 | 4 | ● |
| D0370 | 3.7 | 38 | 85 | 4 | ● |
| <small>Expand</small> D0371 | 3.71 | 42 | 85 | 4 | ● |
| <small>Expand</small> D0372 | 3.72 | 42 | 85 | 4 | ● |
| <small>Expand</small> D0373 | 3.73 | 42 | 85 | 4 | ● |

Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|--------------------------------------|------------|-----------------------|-------------------------|---------------------|-------|
| Expand VAPDMSUSD0374 | 3.74 | 42 | 85 | 4 | ● |
| Expand D0375 | 3.75 | 42 | 85 | 4 | ● |
| Expand D0376 | 3.76 | 42 | 85 | 4 | ● |
| Expand D0377 | 3.77 | 42 | 85 | 4 | ● |
| Expand D0378 | 3.78 | 42 | 85 | 4 | ● |
| Expand D0379 | 3.79 | 42 | 85 | 4 | ● |
| D0380 | 3.8 | 42 | 85 | 4 | ● |
| Expand D0381 | 3.81 | 42 | 85 | 4 | ● |
| Expand D0382 | 3.82 | 42 | 85 | 4 | ● |
| Expand D0383 | 3.83 | 42 | 85 | 4 | ● |
| Expand D0384 | 3.84 | 42 | 85 | 4 | ● |
| Expand D0385 | 3.85 | 42 | 85 | 4 | ● |
| Expand D0386 | 3.86 | 42 | 85 | 4 | ● |
| Expand D0387 | 3.87 | 42 | 85 | 4 | ● |
| Expand D0388 | 3.88 | 42 | 85 | 4 | ● |
| Expand D0389 | 3.89 | 42 | 85 | 4 | ● |
| D0390 | 3.9 | 42 | 85 | 4 | ● |
| Expand D0391 | 3.91 | 42 | 85 | 4 | ● |
| Expand D0392 | 3.92 | 42 | 85 | 4 | ● |
| Expand D0393 | 3.93 | 42 | 85 | 4 | ● |
| Expand D0394 | 3.94 | 42 | 85 | 4 | ● |
| Expand D0395 | 3.95 | 42 | 85 | 4 | ● |
| Expand D0396 | 3.96 | 42 | 85 | 4 | ● |
| Expand D0397 | 3.97 | 42 | 85 | 4 | ● |
| Expand D0398 | 3.98 | 42 | 85 | 4 | ● |
| Expand D0399 | 3.99 | 42 | 85 | 4 | ● |
| D0400 | 4.0 | 42 | 85 | 4 | ● |
| Expand D0405 | 4.05 | 42 | 100 | 6 | ● |
| D0410 | 4.1 | 42 | 100 | 6 | ● |
| Expand D0415 | 4.15 | 42 | 100 | 6 | ● |
| D0420 | 4.2 | 42 | 100 | 6 | ● |
| Expand D0425 | 4.25 | 46 | 100 | 6 | ● |
| D0430 | 4.3 | 46 | 100 | 6 | ● |
| Expand D0435 | 4.35 | 46 | 100 | 6 | ● |
| D0440 | 4.4 | 46 | 100 | 6 | ● |
| Expand D0445 | 4.45 | 46 | 100 | 6 | ● |
| D0450 | 4.5 | 46 | 100 | 6 | ● |
| Expand D0455 | 4.55 | 46 | 100 | 6 | ● |
| D0460 | 4.6 | 46 | 100 | 6 | ● |
| Expand D0465 | 4.65 | 46 | 100 | 6 | ● |
| D0470 | 4.7 | 46 | 100 | 6 | ● |
| Expand D0475 | 4.75 | 46 | 100 | 6 | ● |
| D0480 | 4.8 | 51 | 100 | 6 | ● |
| Expand D0485 | 4.85 | 51 | 100 | 6 | ● |
| D0490 | 4.9 | 51 | 100 | 6 | ● |
| Expand D0495 | 4.95 | 51 | 100 | 6 | ● |
| D0500 | 5.0 | 51 | 100 | 6 | ● |
| Expand D0505 | 5.05 | 51 | 100 | 6 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|------------------------------|------------|-----------------------|-------------------------|---------------------|-------|
| VAPDMSUSD0510 | 5.1 | 51 | 100 | 6 | ● |
| Expand D0515 | 5.15 | 51 | 100 | 6 | ● |
| D0520 | 5.2 | 51 | 100 | 6 | ● |
| Expand D0525 | 5.25 | 51 | 100 | 6 | ● |
| D0530 | 5.3 | 51 | 100 | 6 | ● |
| Expand D0535 | 5.35 | 56 | 106 | 6 | ● |
| D0540 | 5.4 | 56 | 106 | 6 | ● |
| Expand D0545 | 5.45 | 56 | 106 | 6 | ● |
| D0550 | 5.5 | 56 | 106 | 6 | ● |
| Expand D0555 | 5.55 | 56 | 106 | 6 | ● |
| D0560 | 5.6 | 56 | 106 | 6 | ● |
| Expand D0565 | 5.65 | 56 | 106 | 6 | ● |
| D0570 | 5.7 | 56 | 106 | 6 | ● |
| Expand D0575 | 5.75 | 56 | 106 | 6 | ● |
| D0580 | 5.8 | 56 | 106 | 6 | ● |
| Expand D0585 | 5.85 | 56 | 106 | 6 | ● |
| D0590 | 5.9 | 56 | 106 | 6 | ● |
| Expand D0595 | 5.95 | 56 | 106 | 6 | ● |
| D0600 | 6.0 | 56 | 106 | 6 | ● |
| Expand D0605 | 6.05 | 62 | 112 | 8 | ● |
| D0610 | 6.1 | 62 | 112 | 8 | ● |
| Expand D0615 | 6.15 | 62 | 112 | 8 | ● |
| D0620 | 6.2 | 62 | 112 | 8 | ● |
| Expand D0625 | 6.25 | 62 | 112 | 8 | ● |
| D0630 | 6.3 | 62 | 112 | 8 | ● |
| Expand D0635 | 6.35 | 62 | 112 | 8 | ● |
| D0640 | 6.4 | 62 | 112 | 8 | ● |
| Expand D0645 | 6.45 | 62 | 112 | 8 | ● |
| D0650 | 6.5 | 62 | 112 | 8 | ● |
| Expand D0655 | 6.55 | 62 | 112 | 8 | ● |
| D0660 | 6.6 | 62 | 112 | 8 | ● |
| Expand D0665 | 6.65 | 62 | 112 | 8 | ● |
| D0670 | 6.7 | 62 | 112 | 8 | ● |
| Expand D0675 | 6.75 | 67 | 117 | 8 | ● |
| D0680 | 6.8 | 67 | 117 | 8 | ● |
| Expand D0685 | 6.85 | 67 | 117 | 8 | ● |
| D0690 | 6.9 | 67 | 117 | 8 | ● |
| Expand D0695 | 6.95 | 67 | 117 | 8 | ● |
| D0700 | 7.0 | 67 | 117 | 8 | ● |
| Expand D0705 | 7.05 | 67 | 117 | 8 | ● |
| D0710 | 7.1 | 67 | 117 | 8 | ● |
| Expand D0715 | 7.15 | 67 | 117 | 8 | ● |
| D0720 | 7.2 | 67 | 117 | 8 | ● |
| Expand D0725 | 7.25 | 67 | 117 | 8 | ● |
| D0730 | 7.3 | 67 | 117 | 8 | ● |
| Expand D0735 | 7.35 | 67 | 117 | 8 | ● |
| D0740 | 7.4 | 67 | 117 | 8 | ● |
| Expand D0745 | 7.45 | 67 | 117 | 8 | ● |

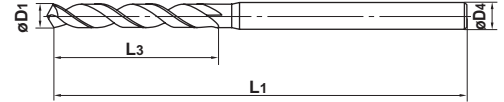
VIOLET DRILLS

VA-PDM-SUS Expand

Medium flute length, High precision, For stainless steel



All drills except those with intervals of 0.1mm and under dia. 4mm have a tolerance of 0-0.009mm.



- New design and the Violet coating combination enable high efficiency drilling and long tool life for drilling of stainless steels.

Unit : mm

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|--|---------|-----------------|-------------------|---------------|-------|
| VAPDMSUSD0750 | 7.5 | 67 | 117 | 8 | ● |
| Expand D0755 | 7.55 | 73 | 123 | 8 | ● |
| D0760 | 7.6 | 73 | 123 | 8 | ● |
| Expand D0765 | 7.65 | 73 | 123 | 8 | ● |
| D0770 | 7.7 | 73 | 123 | 8 | ● |
| Expand D0775 | 7.75 | 73 | 123 | 8 | ● |
| D0780 | 7.8 | 73 | 123 | 8 | ● |
| Expand D0785 | 7.85 | 73 | 123 | 8 | ● |
| D0790 | 7.9 | 73 | 123 | 8 | ● |
| Expand D0795 | 7.95 | 73 | 123 | 8 | ● |
| D0800 | 8.0 | 73 | 123 | 8 | ● |
| Expand D0805 | 8.05 | 73 | 128 | 10 | ● |
| D0810 | 8.1 | 73 | 128 | 10 | ● |
| Expand D0815 | 8.15 | 73 | 128 | 10 | ● |
| D0820 | 8.2 | 73 | 128 | 10 | ● |
| Expand D0825 | 8.25 | 73 | 128 | 10 | ● |
| D0830 | 8.3 | 73 | 128 | 10 | ● |
| Expand D0835 | 8.35 | 73 | 128 | 10 | ● |
| D0840 | 8.4 | 73 | 128 | 10 | ● |
| Expand D0845 | 8.45 | 73 | 128 | 10 | ● |
| D0850 | 8.5 | 73 | 128 | 10 | ● |
| Expand D0855 | 8.55 | 79 | 134 | 10 | ● |
| D0860 | 8.6 | 79 | 134 | 10 | ● |
| Expand D0865 | 8.65 | 79 | 134 | 10 | ● |
| D0870 | 8.7 | 79 | 134 | 10 | ● |
| Expand D0875 | 8.75 | 79 | 134 | 10 | ● |
| D0880 | 8.8 | 79 | 134 | 10 | ● |
| Expand D0885 | 8.85 | 79 | 134 | 10 | ● |
| D0890 | 8.9 | 79 | 134 | 10 | ● |
| Expand D0895 | 8.95 | 79 | 134 | 10 | ● |
| D0900 | 9.0 | 79 | 134 | 10 | ● |
| D0910 | 9.1 | 79 | 134 | 10 | ● |
| D0920 | 9.2 | 79 | 134 | 10 | ● |
| D0930 | 9.3 | 79 | 134 | 10 | ● |
| D0940 | 9.4 | 79 | 134 | 10 | ● |
| D0950 | 9.5 | 79 | 134 | 10 | ● |
| D0960 | 9.6 | 85 | 140 | 10 | ● |
| D0970 | 9.7 | 85 | 140 | 10 | ● |

| Order Number | Dia. D1 | Flute Length L3 | Overall Length L1 | Shank Dia. D4 | Stock |
|---------------|---------|-----------------|-------------------|---------------|-------|
| VAPDMSUSD0980 | 9.8 | 85 | 140 | 10 | ● |
| D0990 | 9.9 | 85 | 140 | 10 | ● |
| D1000 | 10.0 | 85 | 140 | 10 | ● |
| D1010 | 10.1 | 85 | 145 | 12 | ● |
| D1020 | 10.2 | 85 | 145 | 12 | ● |
| D1030 | 10.3 | 85 | 145 | 12 | ● |
| D1040 | 10.4 | 85 | 145 | 12 | ● |
| D1050 | 10.5 | 85 | 145 | 12 | ● |
| D1060 | 10.6 | 85 | 145 | 12 | ● |
| D1070 | 10.7 | 92 | 152 | 12 | ● |
| D1080 | 10.8 | 92 | 152 | 12 | ● |
| D1090 | 10.9 | 92 | 152 | 12 | ● |
| D1100 | 11.0 | 92 | 152 | 12 | ● |
| D1110 | 11.1 | 92 | 152 | 12 | ● |
| D1120 | 11.2 | 92 | 152 | 12 | ● |
| D1130 | 11.3 | 92 | 152 | 12 | ● |
| D1140 | 11.4 | 92 | 152 | 12 | ● |
| D1150 | 11.5 | 92 | 152 | 12 | ● |
| D1160 | 11.6 | 92 | 152 | 12 | ● |
| D1170 | 11.7 | 92 | 152 | 12 | ● |
| D1180 | 11.8 | 92 | 152 | 12 | ● |
| D1190 | 11.9 | 99 | 159 | 12 | ● |
| D1200 | 12.0 | 99 | 159 | 12 | ● |
| D1210 | 12.1 | 99 | 159 | 12 | ● |
| D1220 | 12.2 | 99 | 159 | 12 | ● |
| D1230 | 12.3 | 99 | 159 | 12 | ● |
| D1240 | 12.4 | 99 | 159 | 12 | ● |
| D1250 | 12.5 | 99 | 159 | 12 | ● |
| D1260 | 12.6 | 99 | 159 | 12 | ● |
| D1270 | 12.7 | 99 | 159 | 12 | ● |
| D1280 | 12.8 | 99 | 159 | 12 | ● |
| D1290 | 12.9 | 99 | 159 | 12 | ● |
| D1300 | 13.0 | 99 | 159 | 12 | ● |

VA-PDS-SUS VA-PDM-SUS

VIOLET DRILLS, High precision, For stainless steel, Short/Medium flute length

VA-PDS-SUS, VA-PDM-SUS

| Work material | Stainless steel | | | | Carbon steel S50C Alloy steel SCM Cast iron FC Copper, Copper alloy | | Structural steel SS400 Aluminium alloy | |
|---------------|---------------------------------|--------------------|--|--------------------|--|--------------------|---|--------------------|
| | Austenitic SUS304, SUS316 | | Martensitic SUS 420 Ferritic SUS430 | | | | | |
| Dia. (mm) | Revolution (min ⁻¹) | Feed rate (mm/rev) | Revolution (min ⁻¹) | Feed rate (mm/rev) | Revolution (min ⁻¹) | Feed rate (mm/rev) | Revolution (min ⁻¹) | Feed rate (mm/rev) |
| 0.5 | 7,600 | 0.01 | 8,800 | 0.01 | 11,250 | 0.01 | 15,000 | 0.02 |
| 1.0 | 4,800 | 0.02 | 6,300 | 0.05 | 10,000 | 0.05 | 12,000 | 0.05 |
| 2.0 | 2,400 | 0.04 | 3,200 | 0.06 | 5,500 | 0.09 | 6,400 | 0.09 |
| 3.0 | 1,600 | 0.07 | 2,100 | 0.10 | 3,700 | 0.13 | 4,300 | 0.13 |
| 4.0 | 1,200 | 0.09 | 1,600 | 0.10 | 2,800 | 0.15 | 3,200 | 0.15 |
| 5.0 | 950 | 0.12 | 1,300 | 0.13 | 2,200 | 0.18 | 2,600 | 0.18 |
| 6.0 | 800 | 0.14 | 1,100 | 0.15 | 1,800 | 0.20 | 2,100 | 0.19 |
| 8.0 | 600 | 0.18 | 800 | 0.18 | 1,400 | 0.22 | 1,600 | 0.24 |
| 10.0 | 480 | 0.22 | 640 | 0.21 | 1,100 | 0.25 | 1,300 | 0.28 |
| 12.0 | 400 | 0.24 | 530 | 0.25 | 930 | 0.30 | 1,100 | 0.34 |
| 13.0 | 370 | 0.26 | 490 | 0.28 | 860 | 0.32 | 1,000 | 0.36 |

- 1) Please reduce the revolution and feed rate depending on the drilling situation when the installation of workpiece or machine lacks rigidity.
- 2) Please use a collet type drill chuck.
- 3) Use sufficient cutting fluid.
- 4) YC-SSM is recommended for precipitation hardened stainless steels (ASTM 630 and ASTM 631).
- 5) Do not peck drill and reduce the cutting conditions when drilling depths exceed 3×D (D : drill diameter).

The above-mentioned cutting conditions are standard when using water-soluble cutting fluid.
Please reduce the revolution when using non-water-soluble cutting fluid.

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