

# HOW TO READ THE STANDARD OF DRILLING TOOLS

- How the pages are organised
- ① Organised according to the application for the drill.

**PHOTO OF PRODUCT**

**PRODUCT TITLE**

**PRODUCT TYPE**

**PRODUCT SECTION**

**GEOMETRY**


**PRODUCT TYPE**

**PRODUCT SECTION**

**VIOLET DRILLS**

**VAPDS**

Short, High precision



● Highly efficient drilling and long tool life have been achieved with the newly developed Violet coating. (Standard drill depth: less than 3 times the drill diameter)


Order Number	Dia. D1	Flute Length La	Overall Length Lt	Shank Dia. Ds	Stock	Order Number	Dia. D1	Flute Length La	Overall Length Lt	Shank Dia. Ds	Stock
VAPDS0050	0.5	3	50	3	*	VAPDS0088	0.88	6	50	3	*
D0051	0.51	3	50	3	*	D0089	0.89	6	50	3	*
D0052	0.52	3	50	3	*	D0090	0.9	6	50	3	*
D0053	0.53	3	50	3	*	D0091	0.91	6	50	3	*
D0054	0.54	3	50	3	*	D0092	0.92	6	50	3	*
D0055	0.55	3	50	3	*	D0093	0.93	6	50	3	*
D0056	0.56	4	50	3	*	D0094	0.94	6	50	3	*
D0057	0.57	4	50	3	*	D0095	0.95	6	50	3	*
D0058	0.58	4	50	3	*	D0096	0.96	6	50	3	*
D0059	0.59	4	50	3	*	D0097	0.97	6	50	3	*
D0060	0.6	5	50	3	*	D0098	0.98	6	50	3	*
D0061	0.61	5	50	3	*	D0099	0.99	6	50	3	*
D0062	0.62	5	50	3	*	D0100	1.0	6	50	3	*
D0063	0.63	5	50	3	*	D0101	1.01	6	50	3	*
D0064	0.64	5	50	3	*	D0102	1.02	6	50	3	*
D0065	0.65	5	50	3	*	D0103	1.03	6	50	3	*
D0066	0.66	5	50	3	*	D0104	1.04	6	50	3	*
D0067	0.67	5	50	3	*	D0105	1.05	6	50	3	*
D0068	0.68	5	50	3	*	D0106	1.06	6	50	3	*
D0069	0.69	5	50	3	*	D0107	1.07	8	55	3	*
D0070	0.7	5	50	3	*	D0108	1.08	8	55	3	*
D0071	0.71	5	50	3	*	D0109	1.09	8	55	3	*
D0072	0.72	5	50	3	*	D0110	1.1	8	55	3	*
D0073	0.73	5	50	3	*	D0111	1.11	8	55	3	*
D0074	0.74	5	50	3	*	D0112	1.12	8	55	3	*
D0075	0.75	5	50	3	*	D0113	1.13	8	55	3	*
D0076	0.76	5	50	3	*	D0114	1.14	8	55	3	*
D0077	0.77	5	50	3	*	D0115	1.15	8	55	3	*
D0078	0.78	5	50	3	*	D0116	1.16	8	55	3	*
D0079	0.79	5	50	3	*	D0117	1.17	8	55	3	*
D0080	0.8	5	50	3	*	D0118	1.18	8	55	3	*
D0081	0.81	5	50	3	*	D0119	1.19	8	55	3	*
D0082	0.82	5	50	3	*	D0120	1.2	8	55	3	*
D0083	0.83	5	50	3	*	D0121	1.21	8	55	3	*
D0084	0.84	5	50	3	*	D0122	1.22	8	55	3	*
D0085	0.85	5	50	3	*	D0123	1.23	8	55	3	*
D0086	0.86	6	50	3	*	D0124	1.24	8	55	3	*
D0087	0.87	6	50	3	*	D0125	1.25	8	55	3	*

\* Expanded range

● Inventory maintained. \* - Inventory maintained in Japan.

**DRILLING (SOLID CARBIDE)**

**MPS, MSL**



● From 3-30 (L) hole depth. ● 0.02 double margin type for accurate and reliable drilling. ● 0.015 double margin type for standard drilling. ● 0.015 double margin type for standard drilling.

D1 Tolerance: 0.005, 0.010, 0.015, 0.020, 0.025, 0.030, 0.035, 0.040, 0.045, 0.050, 0.055, 0.060, 0.065, 0.070, 0.075, 0.080, 0.085, 0.090, 0.095, 0.100, 0.105, 0.110, 0.115, 0.120, 0.125, 0.130, 0.135, 0.140, 0.145, 0.150, 0.155, 0.160, 0.165, 0.170, 0.175, 0.180, 0.185, 0.190, 0.195, 0.200, 0.205, 0.210, 0.215, 0.220, 0.225, 0.230, 0.235, 0.240, 0.245, 0.250, 0.255, 0.260, 0.265, 0.270, 0.275, 0.280, 0.285, 0.290, 0.295, 0.300, 0.305, 0.310, 0.315, 0.320, 0.325, 0.330, 0.335, 0.340, 0.345, 0.350, 0.355, 0.360, 0.365, 0.370, 0.375, 0.380, 0.385, 0.390, 0.395, 0.400, 0.405, 0.410, 0.415, 0.420, 0.425, 0.430, 0.435, 0.440, 0.445, 0.450, 0.455, 0.460, 0.465, 0.470, 0.475, 0.480, 0.485, 0.490, 0.495, 0.500, 0.505, 0.510, 0.515, 0.520, 0.525, 0.530, 0.535, 0.540, 0.545, 0.550, 0.555, 0.560, 0.565, 0.570, 0.575, 0.580, 0.585, 0.590, 0.595, 0.600, 0.605, 0.610, 0.615, 0.620, 0.625, 0.630, 0.635, 0.640, 0.645, 0.650, 0.655, 0.660, 0.665, 0.670, 0.675, 0.680, 0.685, 0.690, 0.695, 0.700, 0.705, 0.710, 0.715, 0.720, 0.725, 0.730, 0.735, 0.740, 0.745, 0.750, 0.755, 0.760, 0.765, 0.770, 0.775, 0.780, 0.785, 0.790, 0.795, 0.800, 0.805, 0.810, 0.815, 0.820, 0.825, 0.830, 0.835, 0.840, 0.845, 0.850, 0.855, 0.860, 0.865, 0.870, 0.875, 0.880, 0.885, 0.890, 0.895, 0.900, 0.905, 0.910, 0.915, 0.920, 0.925, 0.930, 0.935, 0.940, 0.945, 0.950, 0.955, 0.960, 0.965, 0.970, 0.975, 0.980, 0.985, 0.990, 0.995, 1.000, 1.005, 1.010, 1.015, 1.020, 1.025, 1.030, 1.035, 1.040, 1.045, 1.050, 1.055, 1.060, 1.065, 1.070, 1.075, 1.080, 1.085, 1.090, 1.095, 1.100, 1.105, 1.110, 1.115, 1.120, 1.125, 1.130, 1.135, 1.140, 1.145, 1.150, 1.155, 1.160, 1.165, 1.170, 1.175, 1.180, 1.185, 1.190, 1.195, 1.200, 1.205, 1.210, 1.215, 1.220, 1.225, 1.230, 1.235, 1.240, 1.245, 1.250, 1.255, 1.260, 1.265, 1.270, 1.275, 1.280, 1.285, 1.290, 1.295, 1.300, 1.305, 1.310, 1.315, 1.320, 1.325, 1.330, 1.335, 1.340, 1.345, 1.350, 1.355, 1.360, 1.365, 1.370, 1.375, 1.380, 1.385, 1.390, 1.395, 1.400, 1.405, 1.410, 1.415, 1.420, 1.425, 1.430, 1.435, 1.440, 1.445, 1.450, 1.455, 1.460, 1.465, 1.470, 1.475, 1.480, 1.485, 1.490, 1.495, 1.500, 1.505, 1.510, 1.515, 1.520, 1.525, 1.530, 1.535, 1.540, 1.545, 1.550, 1.555, 1.560, 1.565, 1.570, 1.575, 1.580, 1.585, 1.590, 1.595, 1.600, 1.605, 1.610, 1.615, 1.620, 1.625, 1.630, 1.635, 1.640, 1.645, 1.650, 1.655, 1.660, 1.665, 1.670, 1.675, 1.680, 1.685, 1.690, 1.695, 1.700, 1.705, 1.710, 1.715, 1.720, 1.725, 1.730, 1.735, 1.740, 1.745, 1.750, 1.755, 1.760, 1.765, 1.770, 1.775, 1.780, 1.785, 1.790, 1.795, 1.800, 1.805, 1.810, 1.815, 1.820, 1.825, 1.830, 1.835, 1.840, 1.845, 1.850, 1.855, 1.860, 1.865, 1.870, 1.875, 1.880, 1.885, 1.890, 1.895, 1.900, 1.905, 1.910, 1.915, 1.920, 1.925, 1.930, 1.935, 1.940, 1.945, 1.950, 1.955, 1.960, 1.965, 1.970, 1.975, 1.980, 1.985, 1.990, 1.995, 2.000, 2.005, 2.010, 2.015, 2.020, 2.025, 2.030, 2.035, 2.040, 2.045, 2.050, 2.055, 2.060, 2.065, 2.070, 2.075, 2.080, 2.085, 2.090, 2.095, 2.100, 2.105, 2.110, 2.115, 2.120, 2.125, 2.130, 2.135, 2.140, 2.145, 2.150, 2.155, 2.160, 2.165, 2.170, 2.175, 2.180, 2.185, 2.190, 2.195, 2.200, 2.205, 2.210, 2.215, 2.220, 2.225, 2.230, 2.235, 2.240, 2.245, 2.250, 2.255, 2.260, 2.265, 2.270, 2.275, 2.280, 2.285, 2.290, 2.295, 2.300, 2.305, 2.310, 2.315, 2.320, 2.325, 2.330, 2.335, 2.340, 2.345, 2.350, 2.355, 2.360, 2.365, 2.370, 2.375, 2.380, 2.385, 2.390, 2.395, 2.400, 2.405, 2.410, 2.415, 2.420, 2.425, 2.430, 2.435, 2.440, 2.445, 2.450, 2.455, 2.460, 2.465, 2.470, 2.475, 2.480, 2.485, 2.490, 2.495, 2.500, 2.505, 2.510, 2.515, 2.520, 2.525, 2.530, 2.535, 2.540, 2.545, 2.550, 2.555, 2.560, 2.565, 2.570, 2.575, 2.580, 2.585, 2.590, 2.595, 2.600, 2.605, 2.610, 2.615, 2.620, 2.625, 2.630, 2.635, 2.640, 2.645, 2.650, 2.655, 2.660, 2.665, 2.670, 2.675, 2.680, 2.685, 2.690, 2.695, 2.700, 2.705, 2.710, 2.715, 2.720, 2.725, 2.730, 2.735, 2.740, 2.745, 2.750, 2.755, 2.760, 2.765, 2.770, 2.775, 2.780, 2.785, 2.790, 2.795, 2.800, 2.805, 2.810, 2.815, 2.820, 2.825, 2.830, 2.835, 2.840, 2.845, 2.850, 2.855, 2.860, 2.865, 2.870, 2.875, 2.880, 2.885, 2.890, 2.895, 2.900, 2.905, 2.910, 2.915, 2.920, 2.925, 2.930, 2.935, 2.940, 2.945, 2.950, 2.955, 2.960, 2.965, 2.970, 2.975, 2.980, 2.985, 2.990, 2.995, 3.000, 3.005, 3.010, 3.015, 3.020, 3.025, 3.030, 3.035, 3.040, 3.045, 3.050, 3.055, 3.060, 3.065, 3.070, 3.075, 3.080, 3.085, 3.090, 3.095, 3.100, 3.105, 3.110, 3.115, 3.120, 3.125, 3.130, 3.135, 3.140, 3.145, 3.150, 3.155, 3.160, 3.165, 3.170, 3.175, 3.180, 3.185, 3.190, 3.195, 3.200, 3.205, 3.210, 3.215, 3.220, 3.225, 3.230, 3.235, 3.240, 3.245, 3.250, 3.255, 3.260, 3.265, 3.270, 3.275, 3.280, 3.285, 3.290, 3.295, 3.300, 3.305, 3.310, 3.315, 3.320, 3.325, 3.330, 3.335, 3.340, 3.345, 3.350, 3.355, 3.360, 3.365, 3.370, 3.375, 3.380, 3.385, 3.390, 3.395, 3.400, 3.405, 3.410, 3.415, 3.420, 3.425, 3.430, 3.435, 3.440, 3.445, 3.450, 3.455, 3.460, 3.465, 3.470, 3.475, 3.480, 3.485, 3.490, 3.495, 3.500, 3.505, 3.510, 3.515, 3.520, 3.525, 3.530, 3.535, 3.540, 3.545, 3.550, 3.555, 3.560, 3.565, 3.570, 3.575, 3.580, 3.585, 3.590, 3.595, 3.600, 3.605, 3.610, 3.615, 3.620, 3.625, 3.630, 3.635, 3.640, 3.645, 3.650, 3.655, 3.660, 3.665, 3.670, 3.675, 3.680, 3.685, 3.690, 3.695, 3.700, 3.705, 3.710, 3.715, 3.720, 3.725, 3.730, 3.735, 3.740, 3.745, 3.750, 3.755, 3.760, 3.765, 3.770, 3.775, 3.780, 3.785, 3.790, 3.795, 3.800, 3.805, 3.810, 3.815, 3.820, 3.825, 3.830, 3.835, 3.840, 3.845, 3.850, 3.855, 3.860, 3.865, 3.870, 3.875, 3.880, 3.885, 3.890, 3.895, 3.900, 3.905, 3.910, 3.915, 3.920, 3.925, 3.930, 3.935, 3.940, 3.945, 3.950, 3.955, 3.960, 3.965, 3.970, 3.975, 3.980, 3.985, 3.990, 3.995, 4.000, 4.005, 4.010, 4.015, 4.020, 4.025, 4.030, 4.035, 4.040, 4.045, 4.050, 4.055, 4.060, 4.065, 4.070, 4.075, 4.080, 4.085, 4.090, 4.095, 4.100, 4.105, 4.110, 4.115, 4.120, 4.125, 4.130, 4.135, 4.140, 4.145, 4.150, 4.155, 4.160, 4.165, 4.170, 4.175, 4.180, 4.185, 4.190, 4.195, 4.200, 4.205, 4.210, 4.215, 4.220, 4.225, 4.230, 4.235, 4.240, 4.245, 4.250, 4.255, 4.260, 4.265, 4.270, 4.275, 4.280, 4.285, 4.290, 4.295, 4.300, 4.305, 4.310, 4.315, 4.320, 4.325, 4.330, 4.335, 4.340, 4.345, 4.350, 4.355, 4.360, 4.365, 4.370, 4.375, 4.380, 4.385, 4.390, 4.395, 4.400, 4.405, 4.410, 4.415, 4.420, 4.425, 4.430, 4.435, 4.440, 4.445, 4.450, 4.455, 4.460, 4.465, 4.470, 4.475, 4.480, 4.485, 4.490, 4.495, 4.500, 4.505, 4.510, 4.515, 4.520, 4.525, 4.530, 4.535, 4.540, 4.545, 4.550, 4.555, 4.560, 4.565, 4.570, 4.575, 4.580, 4.585, 4.590, 4.595, 4.600, 4.605, 4.610, 4.615, 4.620, 4.625, 4.630, 4.635, 4.640, 4.645, 4.650, 4.655, 4.660, 4.665, 4.670, 4.675, 4.680, 4.685, 4.690, 4.695, 4.700, 4.705, 4.710, 4.715, 4.720, 4.725, 4.730, 4.735, 4.740, 4.745, 4.750, 4.755, 4.760, 4.765, 4.770, 4.775, 4.780, 4.785, 4.790, 4.795, 4.800, 4.805, 4.810, 4.815, 4.820, 4.825, 4.830, 4.835, 4.840, 4.845, 4.850, 4.855, 4.860, 4.865, 4.870, 4.875, 4.880, 4.885, 4.890, 4.895, 4.900, 4.905, 4.910, 4.915, 4.920, 4.925, 4.930, 4.935, 4.940, 4.945, 4.950, 4.955, 4.960, 4.965, 4.970, 4.975, 4.980, 4.985, 4.990, 4.995, 5.000, 5.005, 5.010, 5.015, 5.020, 5.025, 5.030, 5.035, 5.040, 5.045, 5.050, 5.055, 5.060, 5.065, 5.070, 5.075, 5.080, 5.085, 5.090, 5.095, 5.100, 5.105, 5.110, 5.115, 5.120, 5.125, 5.130, 5.135, 5.140, 5.145, 5.150, 5.155, 5.160, 5.165, 5.170, 5.175, 5.180, 5.185, 5.190, 5.195, 5.200, 5.205, 5.210, 5.215, 5.220, 5.225, 5.230, 5.235, 5.240, 5.245, 5.250, 5.255, 5.260, 5.265, 5.270, 5.275, 5.280, 5.285, 5.290, 5.295, 5.300, 5.305, 5.310, 5.315, 5.320, 5.325, 5.330, 5.335, 5.340, 5.345, 5.350, 5.355, 5.360, 5.365, 5.370, 5.375, 5.380, 5.385, 5.390, 5.395, 5.400, 5.405, 5.410, 5.415, 5.420, 5.425, 5.430, 5.435, 5.440, 5.445, 5.450, 5.455, 5.460, 5.465, 5.470, 5.475, 5.480, 5.485, 5.490, 5.495, 5.500, 5.505, 5.510, 5.515, 5.520, 5.525, 5.530, 5.535, 5.540, 5.545, 5.550, 5.555, 5.560, 5.565, 5.570, 5.575, 5.580, 5.585, 5.590, 5.595, 5.600, 5.605, 5.610, 5.615, 5.620, 5.625, 5.630, 5.635, 5.640, 5.645, 5.650, 5.655, 5.660, 5.665, 5.670, 5.675, 5.680, 5.685, 5.690, 5.695, 5.700, 5.705, 5.710, 5.715, 5.720, 5.725, 5.730, 5.735, 5.740, 5.745, 5.750, 5.755, 5.760, 5.765, 5.770, 5.775, 5.780, 5.785, 5.790, 5.795, 5.800, 5.805, 5.810, 5.815, 5.820, 5.825, 5.830, 5.835, 5.840, 5.845, 5.850, 5.855, 5.860, 5.865, 5.870, 5.875, 5.880, 5.885, 5.890, 5.895, 5.900, 5.905, 5.910, 5.915, 5.9