Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung
Brocas de metal duro integral con refrigeración interna
油穴付き超硬ドリル

P19 ~ P34 III

VHM		GM
135°/140°		

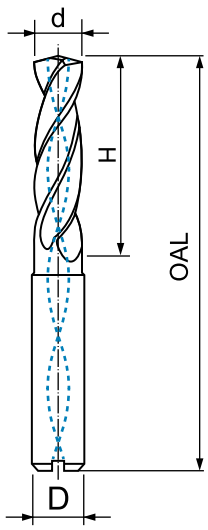
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0300X03**

Sub-Code	depth	d x H x D	OAL	UDA2 2 flute
0300X03	3	3.0 x 20 x C 6	62	●
0300X05	5	3.0 x 28 x C 6	66	●
0300X08	8	3.0 x 34 x C 6	74	●
0300X12	12	3.0 x 50 x C 6	90	●
0300X16	16	3.0 x 62 x C 6	103	◇
0300X20	20	3.0 x 70 x C 6	115	◇
0300X25	25	3.0 x 85 x C 6	125	◇
0300X30	30	3.0 x 100 x C 6	140	◇
0310X03	3	3.1 x 20 x C 6	62	●
0310X05	5	3.1 x 28 x C 6	66	●
0310X08	8	3.1 x 34 x C 6	74	●
0310X12	12	3.1 x 50 x C 6	90	●
0310X16	16	3.1 x 62 x C 6	103	◇
0310X20	20	3.1 x 70 x C 6	115	◇
0310X25	25	3.1 x 85 x C 6	125	◇
0310X30	30	3.1 x 100 x C 6	140	◇
0320X03	3	3.2 x 20 x C 6	62	●
0320X05	5	3.2 x 28 x C 6	66	●
0320X08	8	3.2 x 34 x C 6	74	●
0320X12	12	3.2 x 50 x C 6	90	●
0320X16	16	3.2 x 62 x C 6	103	◇
0320X20	20	3.2 x 96 x C 6	136	◇
0320X25	25	3.2 x 101 x C 6	141	◇
0320X30	30	3.2 x 118 x C 6	158	◇
0330X03	3	3.3 x 20 x C 6	62	●
0330X05	5	3.3 x 28 x C 6	66	●
0330X08	8	3.3 x 34 x C 6	74	●
0330X12	12	3.3 x 50 x C 6	90	●
0330X16	16	3.3 x 62 x C 6	103	◇
0330X20	20	3.3 x 96 x C 6	136	◇
0330X25	25	3.3 x 101 x C 6	141	◇
0330X30	30	3.3 x 118 x C 6	158	◇
0340X03	3	3.4 x 20 x C 6	62	●
0340X05	5	3.4 x 28 x C 6	66	●
0340X08	8	3.4 x 36 x C 6	75	●
0340X12	12	3.4 x 50 x C 6	90	●
0340X16	16	3.4 x 69 x C 6	109	◇
0340X20	20	3.4 x 96 x C 6	136	◇
0340X25	25	3.4 x 101 x C 6	141	◇
0340X30	30	3.4 x 118 x C 6	158	◇

● Stock item, subject to confirmation ◇ On request

VHM		GM
135°/140°		

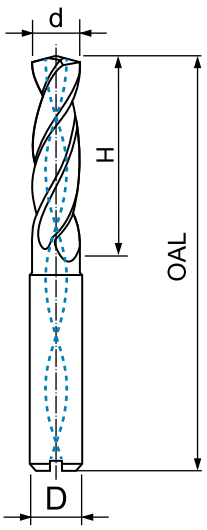
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0350X03**

TiSiX-SH

P M

Sub-Code	depth	d x H x D	OAL	UDA2 2 flute
0350X03	3	3.5 x 20 x C 6	62	●
0350X05	5	3.5 x 28 x C 6	66	●
0350X08	8	3.5 x 36 x C 6	75	●
0350X12	12	3.5 x 50 x C 6	90	●
0350X16	16	3.5 x 69 x C 6	109	◇
0350X20	20	3.5 x 96 x C 6	136	◇
0350X25	25	3.5 x 116 x C 6	156	◇
0350X30	30	3.5 x 136 x C 6	176	◇
0360X03	3	3.6 x 20 x C 6	62	●
0360X05	5	3.6 x 28 x C 6	66	●
0360X08	8	3.6 x 36 x C 6	75	●
0360X12	12	3.6 x 50 x C 6	90	●
0360X16	16	3.6 x 69 x C 6	109	◇
0360X20	20	3.6 x 96 x C 6	136	◇
0360X25	25	3.6 x 116 x C 6	156	◇
0360X30	30	3.6 x 136 x C 6	176	◇
0370X03	3	3.7 x 20 x C 6	62	●
0370X05	5	3.7 x 28 x C 6	66	●
0370X08	8	3.7 x 36 x C 6	75	●
0370X12	12	3.7 x 50 x C 6	90	●
0370X16	16	3.7 x 69 x C 6	109	◇
0370X20	20	3.7 x 96 x C 6	136	◇
0370X25	25	3.7 x 116 x C 6	156	◇
0370X30	30	3.7 x 136 x C 6	176	◇
0380X03	3	3.8 x 24 x C 6	66	●
0380X05	5	3.8 x 36 x C 6	75	●
0380X08	8	3.8 x 43 x C 6	82	●
0380X12	12	3.8 x 64 x C 6	102	●
0380X16	16	3.8 x 77 x C 6	117	◇
0380X20	20	3.8 x 96 x C 6	136	◇
0380X25	25	3.8 x 116 x C 6	156	◇
0380X30	30	3.8 x 136 x C 6	176	◇
0390X03	3	3.9 x 24 x C 6	66	●
0390X05	5	3.9 x 36 x C 6	75	●
0390X08	8	3.9 x 43 x C 6	82	●
0390X12	12	3.9 x 64 x C 6	102	●
0390X16	16	3.9 x 77 x C 6	117	◇
0390X20	20	3.9 x 96 x C 6	136	◇
0390X25	25	3.9 x 116 x C 6	156	◇
0390X30	30	3.9 x 136 x C 6	176	◇

● Stock item, subject to confirmation ◇ On request

VHM		GM
135°/140°		

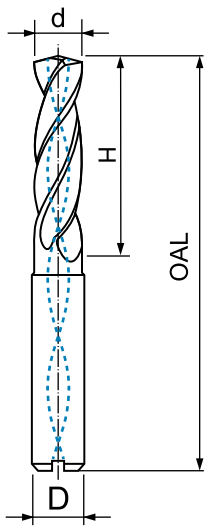
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0400X03**

TiSiX-SH

P M

Sub-Code	depth	d x H x D	OAL	UDA2 2 flute
0400X03	3	4.0 x 24 x C 6	66	●
0400X05	5	4.0 x 36 x C 6	75	●
0400X08	8	4.0 x 43 x C 6	82	●
0400X12	12	4.0 x 64 x C 6	102	●
0400X16	16	4.0 x 77 x C 6	117	◇
0400X20	20	4.0 x 96 x C 6	136	◇
0400X25	25	4.0 x 116 x C 6	156	◇
0400X30	30	4.0 x 136 x C 6	176	◇
0410X03	3	4.1 x 24 x C 6	66	●
0410X05	5	4.1 x 36 x C 6	75	●
0410X08	8	4.1 x 43 x C 6	82	●
0410X12	12	4.1 x 64 x C 6	102	●
0410X16	16	4.1 x 77 x C 6	117	◇
0410X20	20	4.1 x 118 x C 6	158	◇
0410X25	25	4.1 x 143 x C 6	183	◇
0410X30	30	4.1 x 168 x C 6	208	◇
0420X03	3	4.2 x 24 x C 6	66	●
0420X05	5	4.2 x 36 x C 6	75	●
0420X08	8	4.2 x 43 x C 6	82	●
0420X12	12	4.2 x 64 x C 6	102	●
0420X16	16	4.2 x 77 x C 6	117	◇
0420X20	20	4.2 x 118 x C 6	158	◇
0420X25	25	4.2 x 143 x C 6	183	◇
0420X30	30	4.2 x 168 x C 6	208	◇
0430X03	3	4.3 x 24 x C 6	66	●
0430X05	5	4.3 x 36 x C 6	74	●
0430X08	8	4.3 x 45 x C 6	85	●
0430X12	12	4.3 x 64 x C 6	102	●
0430X16	16	4.3 x 85 x C 6	125	◇
0430X20	20	4.3 x 118 x C 6	158	◇
0430X25	25	4.3 x 143 x C 6	183	◇
0430X30	30	4.3 x 168 x C 6	208	◇
0440X03	3	4.4 x 24 x C 6	66	●
0440X05	5	4.4 x 36 x C 6	74	●
0440X08	8	4.4 x 45 x C 6	85	●
0440X12	12	4.4 x 64 x C 6	102	●
0440X16	16	4.4 x 85 x C 6	125	◇
0440X20	20	4.4 x 118 x C 6	158	◇
0440X25	25	4.4 x 143 x C 6	183	◇
0440X30	30	4.4 x 168 x C 6	208	◇

● Stock item, subject to confirmation ◇ On request

VHM | GM

135°/140°

Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

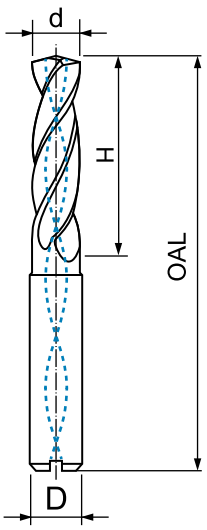
油穴付き超硬ドリル

TiSiX-SH

P | M

UDA2

P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0450X03**

Sub-Code	depth	d x H x D	OAL	UDA2 2 flute
0450X03	3	4.5 x 24 x C 6	66	●
0450X05	5	4.5 x 36 x C 6	74	●
0450X08	8	4.5 x 45 x C 6	85	●
0450X12	12	4.5 x 64 x C 6	102	●
0450X16	16	4.5 x 85 x C 6	125	◇
0450X20	20	4.5 x 118 x C 6	158	◇
0450X25	25	4.5 x 143 x C 6	183	◇
0450X30	30	4.5 x 168 x C 6	208	◇
0460X03	3	4.6 x 24 x C 6	66	●
0460X05	5	4.6 x 36 x C 6	74	●
0460X08	8	4.6 x 45 x C 6	85	●
0460X12	12	4.6 x 64 x C 6	102	●
0460X16	16	4.6 x 85 x C 6	125	◇
0460X20	20	4.6 x 118 x C 6	158	◇
0460X25	25	4.6 x 143 x C 6	183	◇
0460X30	30	4.6 x 168 x C 6	208	◇
0470X03	3	4.7 x 24 x C 6	66	●
0470X05	5	4.7 x 36 x C 6	74	●
0470X08	8	4.7 x 45 x C 6	85	●
0470X12	12	4.7 x 64 x C 6	102	●
0470X16	16	4.7 x 85 x C 6	125	◇
0470X20	20	4.7 x 118 x C 6	158	◇
0470X25	25	4.7 x 143 x C 6	183	◇
0470X30	30	4.7 x 168 x C 6	208	◇
0480X03	3	4.8 x 28 x C 6	66	●
0480X05	5	4.8 x 44 x C 6	82	●
0480X08	8	4.8 x 56 x C 6	95	●
0480X12	12	4.8 x 78 x C 6	116	●
0480X16	16	4.8 x 94 x C 6	134	◇
0480X20	20	4.8 x 118 x C 6	158	◇
0480X25	25	4.8 x 143 x C 6	183	◇
0480X30	30	4.8 x 168 x C 6	208	◇
0490X03	3	4.9 x 28 x C 6	66	●
0490X05	5	4.9 x 44 x C 6	82	●
0490X08	8	4.9 x 56 x C 6	95	●
0490X12	12	4.9 x 78 x C 6	116	●
0490X16	16	4.9 x 94 x C 6	134	◇
0490X20	20	4.9 x 118 x C 6	158	◇
0490X25	25	4.9 x 143 x C 6	183	◇
0490X30	30	4.9 x 168 x C 6	208	◇

III

● Stock item, subject to confirmation ◇ On request

VHM		GM
135°/140°		

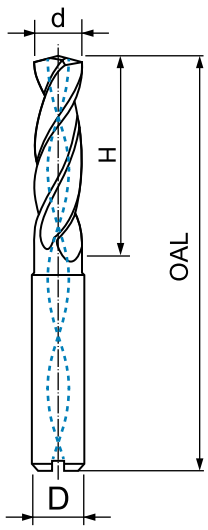
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
	Rm 850 ~ 1100
	Rm 1100 ~ 1300
	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0500X03**

Sub-Code	depth	d x H x D	OAL	TiSiX-SH P M UDA2 2 flute
0500X03	3	5.0 x 28 x C 6	66	●
0500X05	5	5.0 x 44 x C 6	82	●
0500X08	8	5.0 x 56 x C 6	95	●
0500X12	12	5.0 x 78 x C 6	116	●
0500X16	16	5.0 x 94 x C 6	134	◇
0500X20	20	5.0 x 118 x C 6	158	◇
0500X25	25	5.0 x 143 x C 6	183	◇
0500X30	30	5.0 x 168 x C 6	208	◇
0510X03	3	5.1 x 28 x C 6	66	●
0510X05	5	5.1 x 44 x C 6	82	●
0510X08	8	5.1 x 56 x C 6	95	●
0510X12	12	5.1 x 78 x C 6	116	●
0510X16	16	5.1 x 94 x C 6	134	◇
0510X20	20	5.1 x 140 x C 6	180	◇
0510X25	25	5.1 x 170 x C 6	210	◇
0510X30	30	5.1 x 200 x C 6	240	◇
0520X03	3	5.2 x 28 x C 6	66	●
0520X05	5	5.2 x 44 x C 6	82	●
0520X08	8	5.2 x 56 x C 6	95	●
0520X12	12	5.2 x 78 x C 6	116	●
0520X16	16	5.2 x 94 x C 6	134	◇
0520X20	20	5.2 x 140 x C 6	180	◇
0520X25	25	5.2 x 170 x C 6	210	◇
0520X30	30	5.2 x 200 x C 6	240	◇
0530X03	3	5.3 x 28 x C 6	66	●
0530X05	5	5.3 x 44 x C 6	82	●
0530X08	8	5.3 x 56 x C 6	95	●
0530X12	12	5.3 x 78 x C 6	116	●
0530X16	16	5.3 x 94 x C 6	134	◇
0530X20	20	5.3 x 140 x C 6	180	◇
0530X25	25	5.3 x 170 x C 6	210	◇
0530X30	30	5.3 x 200 x C 6	240	◇
0540X03	3	5.4 x 28 x C 6	66	●
0540X05	5	5.4 x 44 x C 6	82	●
0540X08	8	5.4 x 57 x C 6	97	●
0540X12	12	5.4 x 78 x C 6	116	●
0540X16	16	5.4 x 106 x C 6	146	◇
0540X20	20	5.4 x 140 x C 6	180	◇
0540X25	25	5.4 x 170 x C 6	210	◇
0540X30	30	5.4 x 200 x C 6	240	◇

● Stock item, subject to confirmation ◇ On request

VHM | GM

135°/140°

Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

TiSiX-SH

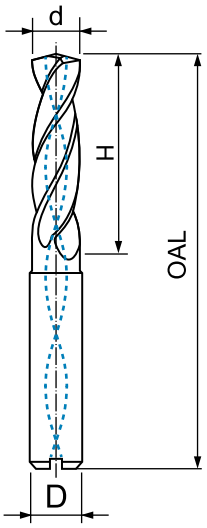
P | M

UDA2

P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48

Example / Order code : **UDA2 0550X03**

Sub-Code	depth	d x H x D	OAL	UDA2 2 flute
0550X03	3	5.5 x 28 x C 6	66	●
0550X05	5	5.5 x 44 x C 6	82	●
0550X08	8	5.5 x 57 x C 6	97	●
0550X12	12	5.5 x 78 x C 6	116	●
0550X16	16	5.5 x 106 x C 6	146	◇
0550X20	20	5.5 x 140 x C 6	180	◇
0550X25	25	5.5 x 170 x C 6	210	◇
0550X30	30	5.5 x 200 x C 6	240	◇
0560X03	3	5.6 x 28 x C 6	66	●
0560X05	5	5.6 x 44 x C 6	82	●
0560X08	8	5.6 x 57 x C 6	97	●
0560X12	12	5.6 x 78 x C 6	116	●
0560X16	16	5.6 x 106 x C 6	146	◇
0560X20	20	5.6 x 140 x C 6	180	◇
0560X25	25	5.6 x 170 x C 6	210	◇
0560X30	30	5.6 x 200 x C 6	240	◇
0570X03	3	5.7 x 28 x C 6	66	●
0570X05	5	5.7 x 44 x C 6	82	●
0570X08	8	5.7 x 57 x C 6	97	●
0570X12	12	5.7 x 78 x C 6	116	●
0570X16	16	5.7 x 106 x C 6	146	◇
0570X20	20	5.7 x 140 x C 6	180	◇
0570X25	25	5.7 x 170 x C 6	210	◇
0570X30	30	5.7 x 200 x C 6	240	◇
0580X03	3	5.8 x 28 x C 6	66	●
0580X05	5	5.8 x 44 x C 6	82	●
0580X08	8	5.8 x 57 x C 6	97	●
0580X12	12	5.8 x 78 x C 6	116	●
0580X16	16	5.8 x 106 x C 6	146	◇
0580X20	20	5.8 x 140 x C 6	180	◇
0580X25	25	5.8 x 170 x C 6	210	◇
0580X30	30	5.8 x 200 x C 6	240	◇
0590X03	3	5.9 x 28 x C 6	66	●
0590X05	5	5.9 x 44 x C 6	82	●
0590X08	8	5.9 x 57 x C 6	97	●
0590X12	12	5.9 x 78 x C 6	116	●
0590X16	16	5.9 x 106 x C 6	146	◇
0590X20	20	5.9 x 140 x C 6	180	◇
0590X25	25	5.9 x 170 x C 6	210	◇
0590X30	30	5.9 x 200 x C 6	240	◇



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

● Stock item, subject to confirmation ◇ On request

VHM		GM
135°/140°		

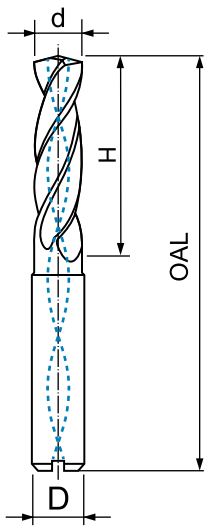
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0600X03**

Sub-Code	depth	d x H x D	OAL	TiSiX-SH P M UDA2 2 flute
0600X03	3	6.0 x 28 x C 6	66	●
0600X05	5	6.0 x 44 x C 6	82	●
0600X08	8	6.0 x 57 x C 6	97	●
0600X12	12	6.0 x 78 x C 6	116	●
0600X16	16	6.0 x 106 x C 6	146	◇
0600X20	20	6.0 x 140 x C 6	180	◇
0600X25	25	6.0 x 170 x C 6	210	◇
0600X30	30	6.0 x 200 x C 6	240	◇
0610X03	3	6.1 x 34 x C 8	75	●
0610X05	5	6.1 x 53 x C 8	91	●
0610X08	8	6.1 x 66 x C 8	106	●
0610X12	12	6.1 x 108 x C 8	146	●
0610X16	16	6.1 x 122 x C 8	162	◇
0610X20	20	6.1 x 162 x C 8	202	◇
0610X25	25	6.1 x 197 x C 8	237	◇
0610X30	30	6.1 x 232 x C 8	272	◇
0620X03	3	6.2 x 34 x C 8	75	●
0620X05	5	6.2 x 53 x C 8	91	●
0620X08	8	6.2 x 66 x C 8	106	●
0620X12	12	6.2 x 108 x C 8	146	●
0620X16	16	6.2 x 122 x C 8	162	◇
0620X20	20	6.2 x 162 x C 8	202	◇
0620X25	25	6.2 x 197 x C 8	237	◇
0620X30	30	6.2 x 232 x C 8	272	◇
0630X03	3	6.3 x 34 x C 8	75	●
0630X05	5	6.3 x 53 x C 8	91	●
0630X08	8	6.3 x 66 x C 8	106	●
0630X12	12	6.3 x 108 x C 8	146	●
0630X16	16	6.3 x 122 x C 8	162	◇
0630X20	20	6.3 x 162 x C 8	202	◇
0630X25	25	6.3 x 197 x C 8	237	◇
0630X30	30	6.3 x 232 x C 8	272	◇
0640X03	3	6.4 x 34 x C 8	75	●
0640X05	5	6.4 x 53 x C 8	91	●
0640X08	8	6.4 x 66 x C 8	106	●
0640X12	12	6.4 x 108 x C 8	146	●
0640X16	16	6.4 x 122 x C 8	162	◇
0640X20	20	6.4 x 162 x C 8	202	◇
0640X25	25	6.4 x 197 x C 8	237	◇
0640X30	30	6.4 x 232 x C 8	272	◇

● Stock item, subject to confirmation ◇ On request

VHM		GM
135°/140°		

Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

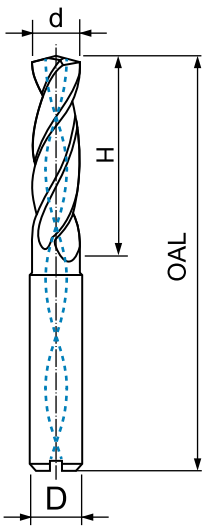
TiSiX-SH

P M

	UDA2
P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48

Example / Order code : **UDA2 0650X03**

Sub-Code	depth	d x H x D	OAL	UDA2 2 flute
0650X03	3	6.5 x 34 x C 8	75	●
0650X05	5	6.5 x 53 x C 8	91	●
0650X08	8	6.5 x 66 x C 8	106	●
0650X12	12	6.5 x 108 x C 8	146	●
0650X16	16	6.5 x 122 x C 8	162	◇
0650X20	20	6.5 x 162 x C 8	202	◇
0650X25	25	6.5 x 197 x C 8	237	◇
0650X30	30	6.5 x 232 x C 8	272	◇
0660X03	3	6.6 x 34 x C 8	75	●
0660X05	5	6.6 x 53 x C 8	91	●
0660X08	8	6.6 x 66 x C 8	106	●
0660X12	12	6.6 x 108 x C 8	146	●
0660X16	16	6.6 x 122 x C 8	162	◇
0660X20	20	6.6 x 162 x C 8	202	◇
0660X25	25	6.6 x 197 x C 8	237	◇
0660X30	30	6.6 x 232 x C 8	272	◇
0670X03	3	6.7 x 34 x C 8	75	●
0670X05	5	6.7 x 53 x C 8	91	●
0670X08	8	6.7 x 66 x C 8	106	●
0670X12	12	6.7 x 108 x C 8	146	●
0670X16	16	6.7 x 122 x C 8	162	◇
0670X20	20	6.7 x 162 x C 8	202	◇
0670X25	25	6.7 x 197 x C 8	237	◇
0670X30	30	6.7 x 232 x C 8	272	◇
0680X03	3	6.8 x 34 x C 8	75	●
0680X05	5	6.8 x 53 x C 8	91	●
0680X08	8	6.8 x 66 x C 8	106	●
0680X12	12	6.8 x 108 x C 8	146	●
0680X16	16	6.8 x 122 x C 8	162	◇
0680X20	20	6.8 x 162 x C 8	202	◇
0680X25	25	6.8 x 197 x C 8	237	◇
0680X30	30	6.8 x 232 x C 8	272	◇
0690X03	3	6.9 x 34 x C 8	75	●
0690X05	5	6.9 x 53 x C 8	91	●
0690X08	8	6.9 x 76 x C 8	116	●
0690X12	12	6.9 x 108 x C 8	146	●
0690X16	16	6.9 x 122 x C 8	162	◇
0690X20	20	6.9 x 162 x C 8	202	◇
0690X25	25	6.9 x 197 x C 8	237	◇
0690X30	30	6.9 x 232 x C 8	272	◇



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

● Stock item, subject to confirmation ◇ On request

VHM		GM
135°/140°		

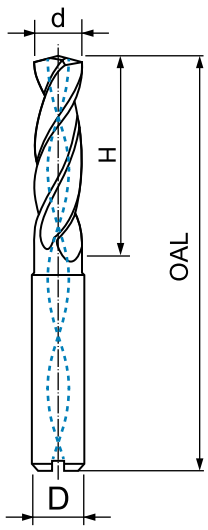
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
	Rm 850 ~ 1100
	Rm 1100 ~ 1300
	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0700X03**

Sub-Code	depth	d x H x D	OAL	TiSiX-SH P M UDA2 2 flute
0700X03	3	7.0 x 34 x C 8	75	●
0700X05	5	7.0 x 53 x C 8	91	●
0700X08	8	7.0 x 76 x C 8	116	●
0700X12	12	7.0 x 108 x C 8	146	●
0700X16	16	7.0 x 122 x C 8	162	◇
0700X20	20	7.0 x 162 x C 8	202	◇
0700X25	25	7.0 x 197 x C 8	237	◇
0700X30	30	7.0 x 232 x C 8	272	◇
0710X03	3	7.1 x 41 x C 8	80	●
0710X05	5	7.1 x 53 x C 8	91	●
0710X08	8	7.1 x 76 x C 8	116	●
0710X12	12	7.1 x 108 x C 8	146	●
0710X16	16	7.1 x 138 x C 8	178	◇
0710X20	20	7.1 x 183 x C 8	223	◇
0710X25	25	7.1 x 223 x C 8	263	◇
0710X30	30	7.1 x 263 x C 8	303	◇
0720X03	3	7.2 x 41 x C 8	80	●
0720X05	5	7.2 x 53 x C 8	91	●
0720X08	8	7.2 x 76 x C 8	116	●
0720X12	12	7.2 x 108 x C 8	146	●
0720X16	16	7.2 x 138 x C 8	178	◇
0720X20	20	7.2 x 183 x C 8	223	◇
0720X25	25	7.2 x 223 x C 8	263	◇
0720X30	30	7.2 x 263 x C 8	303	◇
0730X03	3	7.3 x 41 x C 8	80	●
0730X05	5	7.3 x 53 x C 8	91	●
0730X08	8	7.3 x 76 x C 8	116	●
0730X12	12	7.3 x 108 x C 8	146	●
0730X16	16	7.3 x 138 x C 8	178	◇
0730X20	20	7.3 x 183 x C 8	223	◇
0730X25	25	7.3 x 223 x C 8	263	◇
0730X30	30	7.3 x 263 x C 8	303	◇
0740X03	3	7.4 x 41 x C 8	80	●
0740X05	5	7.4 x 53 x C 8	91	●
0740X08	8	7.4 x 76 x C 8	116	●
0740X12	12	7.4 x 108 x C 8	146	●
0740X16	16	7.4 x 138 x C 8	178	◇
0740X20	20	7.4 x 183 x C 8	223	◇
0740X25	25	7.4 x 223 x C 8	263	◇
0740X30	30	7.4 x 263 x C 8	303	◇

● Stock item, subject to confirmation ◇ On request

VHM | GM

135°/140°

Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

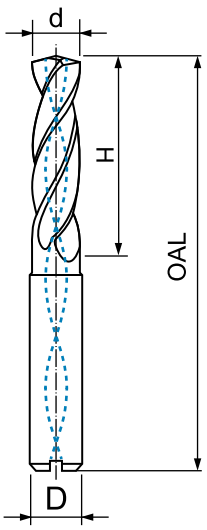
油穴付き超硬ドリル

TiSiX-SH

P | M

UDA2

P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0750X03**

Sub-Code	depth	d x H x D	OAL	UDA2 2 flute
0750X03	3	7.5 x 41 x C 8	80	●
0750X05	5	7.5 x 53 x C 8	91	●
0750X08	8	7.5 x 76 x C 8	116	●
0750X12	12	7.5 x 108 x C 8	146	●
0750X16	16	7.5 x 138 x C 8	178	◇
0750X20	20	7.5 x 183 x C 8	223	◇
0750X25	25	7.5 x 223 x C 8	263	◇
0750X30	30	7.5 x 263 x C 8	303	◇
0760X03	3	7.6 x 41 x C 8	80	●
0760X05	5	7.6 x 53 x C 8	91	●
0760X08	8	7.6 x 76 x C 8	116	●
0760X12	12	7.6 x 108 x C 8	146	●
0760X16	16	7.6 x 138 x C 8	178	◇
0760X20	20	7.6 x 183 x C 8	223	◇
0760X25	25	7.6 x 223 x C 8	263	◇
0760X30	30	7.6 x 263 x C 8	303	◇
0770X03	3	7.7 x 41 x C 8	80	●
0770X05	5	7.7 x 53 x C 8	91	●
0770X08	8	7.7 x 76 x C 8	116	●
0770X12	12	7.7 x 108 x C 8	146	●
0770X16	16	7.7 x 138 x C 8	178	◇
0770X20	20	7.7 x 183 x C 8	223	◇
0770X25	25	7.7 x 223 x C 8	263	◇
0770X30	30	7.7 x 263 x C 8	303	◇
0780X03	3	7.8 x 41 x C 8	80	●
0780X05	5	7.8 x 53 x C 8	91	●
0780X08	8	7.8 x 76 x C 8	116	●
0780X12	12	7.8 x 108 x C 8	146	●
0780X16	16	7.8 x 138 x C 8	178	◇
0780X20	20	7.8 x 183 x C 8	223	◇
0780X25	25	7.8 x 223 x C 8	263	◇
0780X30	30	7.8 x 263 x C 8	303	◇
0790X03	3	7.9 x 41 x C 8	80	●
0790X05	5	7.9 x 53 x C 8	91	●
0790X08	8	7.9 x 76 x C 8	116	●
0790X12	12	7.9 x 108 x C 8	146	●
0790X16	16	7.9 x 138 x C 8	178	◇
0790X20	20	7.9 x 183 x C 8	223	◇
0790X25	25	7.9 x 223 x C 8	263	◇
0790X30	30	7.9 x 263 x C 8	303	◇

III

● Stock item, subject to confirmation ◇ On request

VHM		GM
135°/140°		

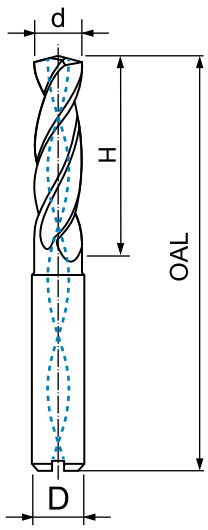
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0800X03**

Sub-Code	depth	d x H x D	OAL	TiSiX-SH P M UDA2 2 flute
0800X03	3	8.0 x 41 x C 8	80	●
0800X05	5	8.0 x 53 x C 8	91	●
0800X08	8	8.0 x 76 x C 8	116	●
0800X12	12	8.0 x 108 x C 8	146	●
0800X16	16	8.0 x 138 x C 8	178	◇
0800X20	20	8.0 x 183 x C 8	223	◇
0800X25	25	8.0 x 223 x C 8	263	◇
0800X30	30	8.0 x 263 x C 8	303	◇
0810X03	3	8.1 x 47 x C10	89	●
0810X05	5	8.1 x 61 x C10	103	●
0810X08	8	8.1 x 87 x C10	131	●
0810X12	12	8.1 x 120 x C10	162	●
0820X03	3	8.2 x 47 x C10	89	●
0820X05	5	8.2 x 61 x C10	103	●
0820X08	8	8.2 x 87 x C10	131	●
0820X12	12	8.2 x 120 x C10	162	●
0830X03	3	8.3 x 47 x C10	89	●
0830X05	5	8.3 x 61 x C10	103	●
0830X08	8	8.3 x 87 x C10	131	●
0830X12	12	8.3 x 120 x C10	162	●
0840X03	3	8.4 x 47 x C10	89	●
0840X05	5	8.4 x 61 x C10	103	●
0840X08	8	8.4 x 87 x C10	131	●
0840X12	12	8.4 x 120 x C10	162	●
0850X03	3	8.5 x 47 x C10	89	●
0850X05	5	8.5 x 61 x C10	103	●
0850X08	8	8.5 x 87 x C10	131	●
0850X12	12	8.5 x 120 x C10	162	●
0860X03	3	8.6 x 47 x C10	89	●
0860X05	5	8.6 x 61 x C10	103	●
0860X08	8	8.6 x 87 x C10	131	●
0860X12	12	8.6 x 120 x C10	162	●
0870X03	3	8.7 x 47 x C10	89	●
0870X05	5	8.7 x 61 x C10	103	●
0870X08	8	8.7 x 87 x C10	131	●
0870X12	12	8.7 x 120 x C10	162	●
0880X03	3	8.8 x 47 x C10	89	●
0880X05	5	8.8 x 61 x C10	103	●
0880X08	8	8.8 x 87 x C10	131	●
0880X12	12	8.8 x 120 x C10	162	●

● Stock item, subject to confirmation ◇ On request

VHM | GM

135°/140°

Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

TiSiX-SH

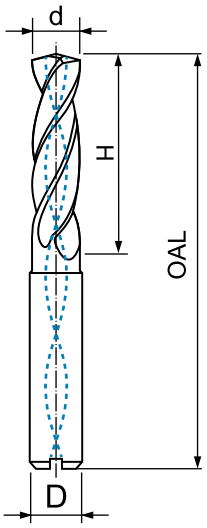
P | M

UDA2

P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48

Example / Order code : **UDA2 0890X03**

Sub-Code	depth	d x H x D	OAL	UDA2 2 flute
0890X03	3	8.9 x 47 x C10	89	●
0890X05	5	8.9 x 61 x C10	103	●
0890X08	8	8.9 x 87 x C10	131	●
0890X12	12	8.9 x 120 x C10	162	●
0900X03	3	9.0 x 47 x C10	89	●
0900X05	5	9.0 x 61 x C10	103	●
0900X08	8	9.0 x 87 x C10	131	●
0900X12	12	9.0 x 120 x C10	162	●
0910X03	3	9.1 x 47 x C10	89	●
0910X05	5	9.1 x 61 x C10	103	●
0910X08	8	9.1 x 95 x C10	139	●
0910X12	12	9.1 x 120 x C10	162	●
0920X03	3	9.2 x 47 x C10	89	●
0920X05	5	9.2 x 61 x C10	103	●
0920X08	8	9.2 x 95 x C10	139	●
0920X12	12	9.2 x 120 x C10	162	●
0930X03	3	9.3 x 47 x C10	89	●
0930X05	5	9.3 x 61 x C10	103	●
0930X08	8	9.3 x 95 x C10	139	●
0930X12	12	9.3 x 120 x C10	162	●
0940X03	3	9.4 x 47 x C10	89	●
0940X05	5	9.4 x 61 x C10	103	●
0940X08	8	9.4 x 95 x C10	139	●
0940X12	12	9.4 x 120 x C10	162	●
0950X03	3	9.5 x 47 x C10	89	●
0950X05	5	9.5 x 61 x C10	103	●
0950X08	8	9.5 x 95 x C10	139	●
0950X12	12	9.5 x 120 x C10	162	●
0960X03	3	9.6 x 47 x C10	89	●
0960X05	5	9.6 x 61 x C10	103	●
0960X08	8	9.6 x 95 x C10	139	●
0960X12	12	9.6 x 120 x C10	162	●
0970X03	3	9.7 x 47 x C10	89	●
0970X05	5	9.7 x 61 x C10	103	●
0970X08	8	9.7 x 95 x C10	139	●
0970X12	12	9.7 x 120 x C10	162	●
0980X03	3	9.8 x 47 x C10	89	●
0980X05	5	9.8 x 61 x C10	103	●
0980X08	8	9.8 x 95 x C10	139	●
0980X12	12	9.8 x 120 x C10	162	●



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

● Stock item, subject to confirmation ◇ On request

VHM		GM
135°/140°		

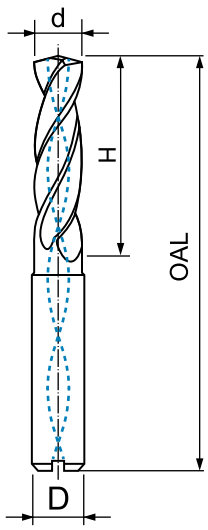
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 0990X03**

Sub-Code	depth	d x H x D	OAL	TiSiX-SH P M UDA2 2 flute
0990X03	3	9.9 x 47 x C10	89	●
0990X05	5	9.9 x 61 x C10	103	●
0990X08	8	9.9 x 95 x C10	139	●
0990X12	12	9.9 x 120 x C10	162	●
1000X03	3	10.0 x 47 x C10	89	●
1000X05	5	10.0 x 61 x C10	103	●
1000X08	8	10.0 x 95 x C10	139	●
1000X12	12	10.0 x 120 x C10	162	●
1010X03	3	10.1 x 55 x C12	102	●
1010X05	5	10.1 x 71 x C12	108	●
1010X08	8	10.1 x 106 x C12	155	●
1010X12	12	10.1 x 156 x C12	204	●
1020X03	3	10.2 x 55 x C12	102	●
1020X05	5	10.2 x 71 x C12	108	●
1020X08	8	10.2 x 106 x C12	155	●
1020X12	12	10.2 x 156 x C12	204	●
1030X03	3	10.3 x 55 x C12	102	●
1030X05	5	10.3 x 71 x C12	108	●
1030X08	8	10.3 x 106 x C12	155	●
1030X12	12	10.3 x 156 x C12	204	●
1040X03	3	10.4 x 55 x C12	102	●
1040X05	5	10.4 x 71 x C12	108	●
1040X08	8	10.4 x 106 x C12	155	●
1040X12	12	10.4 x 156 x C12	204	●
1050X03	3	10.5 x 55 x C12	102	●
1050X05	5	10.5 x 71 x C12	108	●
1050X08	8	10.5 x 106 x C12	155	●
1050X12	12	10.5 x 156 x C12	204	●
1060X03	3	10.6 x 55 x C12	102	●
1060X05	5	10.6 x 71 x C12	108	●
1060X08	8	10.6 x 106 x C12	155	●
1060X12	12	10.6 x 156 x C12	204	●
1070X03	3	10.7 x 55 x C12	102	●
1070X05	5	10.7 x 71 x C12	108	●
1070X08	8	10.7 x 106 x C12	155	●
1070X12	12	10.7 x 156 x C12	204	●
1080X03	3	10.8 x 55 x C12	102	●
1080X05	5	10.8 x 71 x C12	108	●
1080X08	8	10.8 x 106 x C12	155	●
1080X12	12	10.8 x 156 x C12	204	●

● Stock item, subject to confirmation ◇ On request

VHM | GM

135°/140°

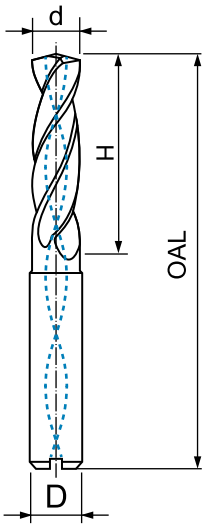
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 1090X03**

Sub-Code	depth	d x H x D	OAL	TiSiX-SH P M UDA2 2 flute	
1090X03	3	10.9 x 55 x C12	102	●	
1090X05	5	10.9 x 71 x C12	108	●	
1090X08	8	10.9 x 106 x C12	155	●	
1090X12	12	10.9 x 156 x C12	204	●	
1100X03	3	11.0 x 55 x C12	102	●	
1100X05	5	11.0 x 71 x C12	108	●	
1100X08	8	11.0 x 106 x C12	155	●	
1100X12	12	11.0 x 156 x C12	204	●	
1110X03	3	11.1 x 55 x C12	102	●	
1110X05	5	11.1 x 71 x C12	108	●	
1110X08	8	11.1 x 114 x C12	163	●	
1110X12	12	11.1 x 156 x C12	204	●	
1120X03	3	11.2 x 55 x C12	102	●	
1120X05	5	11.2 x 71 x C12	108	●	
1120X08	8	11.2 x 114 x C12	163	●	
1120X12	12	11.2 x 156 x C12	204	●	
1130X03	3	11.3 x 55 x C12	102	●	
1130X05	5	11.3 x 71 x C12	108	●	
1130X08	8	11.3 x 114 x C12	163	●	
1130X12	12	11.3 x 156 x C12	204	●	
1140X03	3	11.4 x 55 x C12	102	●	
1140X05	5	11.4 x 71 x C12	108	●	
1140X08	8	11.4 x 114 x C12	163	●	
1140X12	12	11.4 x 156 x C12	204	●	
1150X03	3	11.5 x 55 x C12	102	●	
1150X05	5	11.5 x 71 x C12	108	●	
1150X08	8	11.5 x 114 x C12	163	●	
1150X12	12	11.5 x 156 x C12	204	●	
1160X03	3	11.6 x 55 x C12	102	●	
1160X05	5	11.6 x 71 x C12	108	●	
1160X08	8	11.6 x 114 x C12	163	●	
1160X12	12	11.6 x 156 x C12	204	●	
1170X03	3	11.7 x 55 x C12	102	●	
1170X05	5	11.7 x 71 x C12	108	●	
1170X08	8	11.7 x 114 x C12	163	●	
1170X12	12	11.7 x 156 x C12	204	●	
1180X03	3	11.8 x 55 x C12	102	●	
1180X05	5	11.8 x 71 x C12	108	●	
1180X08	8	11.8 x 114 x C12	163	●	
1180X12	12	11.8 x 156 x C12	204	●	

VHM		GM
135°/140°		

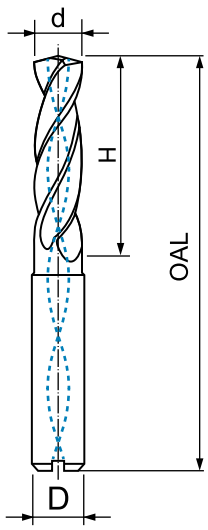
Carbide drills with coolant holes

VHM-Spiralbohrer mit innenkühlung

Brocas de metal duro integral con refrigeración interna

油穴付き超硬ドリル

	UDA2
P	Rm < 850
P	Rm 850 ~ 1100
P	Rm 1100 ~ 1300
P	Stainless Ferritic Martensitic
M	Stainless Austenitic
K	Cast iron
N	Aluminium Non-metallic
S	Titanium alloy High temp. alloys
H	HRC < 48



Tolerance / Toleranz

Range	Diameter
d / L ≤ 8	m7
d / L ≥12	h7

Example / Order code : **UDA2 1190X03**

TiSiX-SH

P M

Sub-Code	depth	d x H x D	OAL	UDA2 2 flute
1190X03	3	11.9 x 55 x C12	102	●
1190X05	5	11.9 x 71 x C12	108	●
1190X08	8	11.9 x 114 x C12	163	●
1190X12	12	11.9 x 156 x C12	204	●
1200X03	3	12.0 x 55 x C12	102	●
1200X05	5	12.0 x 71 x C12	108	●
1200X08	8	12.0 x 114 x C12	163	●
1200X12	12	12.0 x 156 x C12	204	●
1250X03	3	12.5 x 60 x C14	107	●
1250X05	5	12.5 x 77 x C14	124	●
1250X08	8	12.5 x 133 x C14	182	●
1300X03	3	13.0 x 60 x C14	107	●
1300X05	5	13.0 x 77 x C14	124	●
1300X08	8	13.0 x 133 x C14	182	●
1400X03	3	14.0 x 60 x C14	107	●
1400X05	5	14.0 x 77 x C14	124	●
1400X08	8	14.0 x 133 x C14	182	●
1450X03	3	14.5 x 65 x C16	115	●
1450X05	5	14.5 x 83 x C16	133	●
1450X08	8	14.5 x 152 x C16	203	●
1500X03	3	15.0 x 65 x C16	115	●
1500X05	5	15.0 x 83 x C16	133	●
1500X08	8	15.0 x 152 x C16	203	●
1600X03	3	16.0 x 65 x C16	115	●
1600X05	5	16.0 x 83 x C16	133	●
1600X08	8	16.0 x 152 x C16	203	●
1700X03	3	17.0 x 73 x C18	123	●
1700X05	5	17.0 x 93 x C18	143	●
1700X08	8	17.0 x 171 x C18	222	●
1800X03	3	18.0 x 73 x C18	123	●
1800X05	5	18.0 x 93 x C18	143	●
1800X08	8	18.0 x 171 x C18	222	●
1900X03	3	19.0 x 79 x C20	131	●
1900X05	5	19.0 x 101 x C20	153	●
1900X08	8	19.0 x 190 x C20	243	●
2000X03	3	20.0 x 79 x C20	131	●
2000X05	5	20.0 x 101 x C20	153	●
2000X08	8	20.0 x 190 x C20	243	●

● Stock item, subject to confirmation ◇ On request