



## Micro Bohrer aus Vollhartmetall

*Micro foret en métal dur*

*Micro punta in metallo duro*

*Micro drill in solid carbide*



# SPHINX

Sphinx Werkzeuge AG • Gewerbestrasse 1 • CH-4552 Derendingen/Switzerland  
Phone +41 32 671 21 00 • Fax +41 32 671 21 11 • sphinx@sphinx-tools.ch • www.sphinx-tools.ch



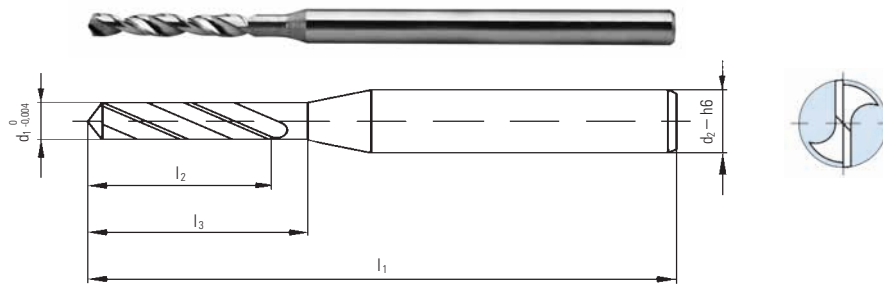
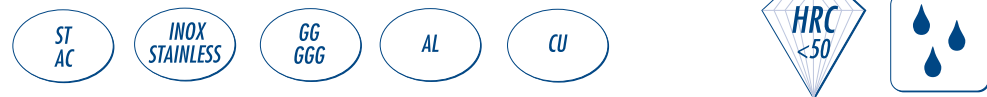
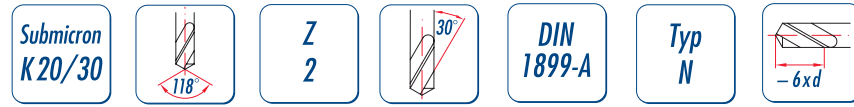
# Kleinstbohrer SPIREC aus Vollhartmetall

Micro foret SPIREC en métal dur

Micro punta SPIREC in metallo duro

Micro drill SPIREC in solid carbide

## Art. 50 699



### Abmessungen, Dimensions, Dimensioni, Dimensions

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
0.05	1.0	25	0.4	0.6
0.06	1.0	25	0.4	0.6
0.07	1.0	25	0.5	0.7
0.08	1.0	25	0.5	0.7
0.09	1.0	25	0.5	0.7
0.10	1.0	25	0.5	0.7
0.11	1.0	25	0.5	0.7
0.12	1.0	25	0.5	0.7
0.13	1.0	25	0.8	1.0
0.14	1.0	25	0.8	1.0
0.15	1.0	25	0.8	1.0
0.16	1.0	25	1.1	1.4
0.17	1.0	25	1.1	1.4
0.18	1.0	25	1.1	1.4
0.19	1.0	25	1.1	1.4
0.20	1.0	25	1.5	1.8
0.21	1.0	25	1.5	1.8
0.22	1.0	25	1.5	1.8
0.23	1.0	25	1.5	1.8
0.24	1.0	25	1.5	1.8
0.25	1.0	25	1.9	2.2
0.26	1.0	25	1.9	2.2
0.27	1.0	25	1.9	2.2
0.28	1.0	25	1.9	2.2
0.29	1.0	25	1.9	2.2
0.30	1.0	25	1.9	2.2
0.31	1.0	25	2.4	2.8
0.32	1.0	25	2.4	2.8
0.33	1.0	25	2.4	2.8
0.34	1.0	25	2.4	2.8
0.35	1.0	25	2.4	2.8
0.36	1.0	25	2.4	2.8
0.37	1.0	25	2.4	2.8
0.38	1.0	25	2.4	2.8

In Packungen zu 10 Stück

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
0.39	1.0	25	2.7	3.6
0.40	1.0	25	2.7	3.6
0.41	1.0	25	2.7	3.6
0.42	1.0	25	2.7	3.6
0.43	1.0	25	2.7	3.6
0.44	1.0	25	2.7	3.6
0.45	1.0	25	2.7	3.6
0.46	1.0	25	2.7	3.6
0.47	1.0	25	2.7	3.6
0.48	1.0	25	2.7	3.6
0.49	1.0	25	3.2	4.0
0.50	1.0	25	3.2	4.0
0.51	1.0	25	3.2	4.0
0.52	1.0	25	3.2	4.0
0.53	1.0	25	3.2	4.0
0.54	1.0	25	3.6	4.5
0.55	1.0	25	3.6	4.5
0.56	1.0	25	3.6	4.5
0.57	1.0	25	3.6	4.5
0.58	1.0	25	3.6	4.5
0.59	1.0	25	3.6	4.5
0.60	1.0	25	3.6	4.5
0.61	1.0	25	3.9	5.0
0.62	1.0	25	3.9	5.0
0.63	1.0	25	3.9	5.0
0.64	1.0	25	3.9	5.0
0.65	1.0	25	3.9	5.0
0.66	1.0	25	3.9	5.0
0.67	1.0	25	3.9	5.0
0.68	1.0	25	4.5	5.6
0.69	1.0	25	4.5	5.6
0.70	1.0	25	4.5	5.6
0.71	1.0	25	4.5	5.6
0.72	1.0	25	4.5	5.6

En boîtes de 10 pièces

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
0.73	1.0	25	4.5	5.6
0.74	1.0	25	4.5	5.6
0.75	1.0	25	4.5	5.6
0.76	1.0	25	5.0	6.3
0.77	1.0	25	5.0	6.3
0.78	1.0	25	5.0	6.3
0.79	1.0	25	5.0	6.3
0.80	1.5	25	5.0	6.3
0.81	1.5	25	5.0	6.3
0.82	1.5	25	5.0	6.3
0.83	1.5	25	5.0	6.3
0.84	1.5	25	5.0	6.3
0.85	1.5	25	5.0	6.3
0.86	1.5	25	5.7	7.1
0.87	1.5	25	5.7	7.1
0.88	1.5	25	5.7	7.1
0.89	1.5	25	5.7	7.1
0.90	1.5	25	5.7	7.1
0.91	1.5	25	5.7	7.1
0.92	1.5	25	5.7	7.1
0.93	1.5	25	5.7	7.1
0.94	1.5	25	5.7	7.1
0.95	1.5	25	5.7	7.1
0.96	1.5	25	6.5	8.0
0.97	1.5	25	6.5	8.0
0.98	1.5	25	6.5	8.0
0.99	1.5	25	6.5	8.0
1.00	1.5	25	6.5	8.0
1.01	1.5	25	6.5	8.0
1.02	1.5	25	6.5	8.0
1.03	1.5	25	6.5	8.0
1.04	1.5	25	6.5	8.0
1.05	1.5	25	6.5	8.0
1.06	1.5	25	7.3	9.0

In contenitori da 10 pezzi

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
1.07	1.5	25	7.3	9.0
1.08	1.5	25	7.3	9.0
1.09	1.5	25	7.3	9.0
1.10	1.5	25	7.3	9.0
1.11	1.5	25	7.3	9.0
1.12	1.5	25	7.3	9.0
1.13	1.5	25	7.3	9.0
1.14	1.5	25	7.3	9.0
1.15	1.5	25	7.3	9.0
1.16	1.5	25	8.2	10.0
1.17	1.5	25	8.2	10.0
1.18	1.5	25	8.2	10.0
1.19	1.5	25	8.2	10.0
1.20	1.5	25	8.2	10.0
1.21	1.5	25	8.2	10.0
1.22	1.5	25	8.2	10.0
1.23	1.5	25	8.2	10.0
1.24	1.5	25	8.2	10.0
1.25	1.5	25	8.2	10.0
1.26	1.5	25	8.2	10.0
1.27	1.5	25	8.2	10.0
1.28	1.5	25	8.2	10.0
1.29	1.5	25	8.2	10.0
1.30	1.5	25	8.2	10.0
1.31	1.5	25	9.2	11.2
1.32	1.5	25	9.2	11.2
1.33	1.5	25	9.2	11.2
1.34	1.5	25	9.2	11.2
1.35	1.5	25	9.2	11.2
1.36	1.5	25	9.2	11.2
1.37	1.5	25	9.2	11.2
1.38	1.5	25	9.2	11.2
1.39	1.5	25	9.2	11.2
1.40	1.5	25	9.2	11.2

Packaged in quantities of 10 pieces

## Abmessungen, Dimensions, Dimensioni, Dimensions

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
1.41	1.5	25	9.2	11.2
1.42	1.5	25	9.2	11.2
1.43	1.5	25	9.2	11.2
1.44	1.5	25	9.2	11.2
1.45	1.5	25	9.2	11.2
1.46	1.5	25	9.2	11.2
1.47	1.5	25	9.2	11.2
1.48	1.5	25	9.2	11.2
1.49	1.5	25	9.2	11.2
1.50	1.5	25	9.2	11.2
1.51	2.0	38	11.2	13.4
1.52	2.0	38	11.2	13.4
1.53	2.0	38	11.2	13.4
1.54	2.0	38	11.2	13.4
1.55	2.0	38	11.2	13.4
1.56	2.0	38	11.2	13.4

In Packungen zu 10 Stück

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
1.57	2.0	38	11.2	13.4
1.58	2.0	38	11.2	13.4
1.59	2.0	38	11.2	13.4
1.60	2.0	38	11.2	13.4
1.61	2.0	38	11.2	13.4
1.62	2.0	38	11.2	13.4
1.63	2.0	38	11.2	13.4
1.64	2.0	38	11.2	13.4
1.65	2.0	38	11.2	13.4
1.66	2.0	38	11.2	13.4
1.67	2.0	38	11.2	13.4
1.68	2.0	38	11.2	13.4
1.69	2.0	38	11.2	13.4
1.70	2.0	38	11.2	13.4
1.71	2.0	38	11.2	13.4
1.72	2.0	38	11.2	13.4

En boîtes de 10 pièces

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
1.73	2.0	38	11.2	13.4
1.74	2.0	38	11.2	13.4
1.75	2.0	38	11.2	13.4
1.76	2.0	38	11.2	13.4
1.77	2.0	38	11.2	13.4
1.74	2.0	38	11.2	13.4
1.78	2.0	38	11.2	13.4
1.79	2.0	38	11.2	13.4
1.80	2.0	38	11.2	13.4
1.81	2.0	38	11.2	13.4
1.82	2.0	38	11.2	13.4
1.83	2.0	38	11.2	13.4
1.84	2.0	38	11.2	13.4
1.85	2.0	38	11.2	13.4
1.86	2.0	38	11.2	13.4
1.87	2.0	38	11.2	13.4

In contenitori da 10 pezzi

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
1.88	2.0	38	11.2	13.4
1.89	2.0	38	11.2	13.4
1.90	2.0	38	11.2	13.4
1.91	2.0	38	11.2	13.4
1.92	2.0	38	11.2	13.4
1.93	2.0	38	11.2	13.4
1.94	2.0	38	11.2	13.4
1.95	2.0	38	11.2	13.4
1.96	2.0	38	11.2	13.4
1.97	2.0	38	11.2	13.4
1.98	2.0	38	11.2	13.4
1.99	2.0	38	11.2	13.4
2.00	2.0	38	11.2	13.4

Packaged in quantities of 10 pieces

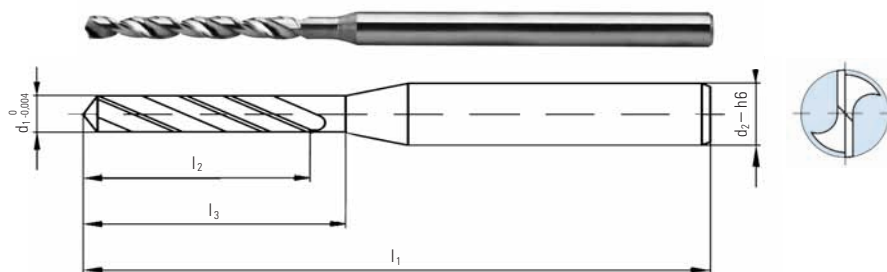
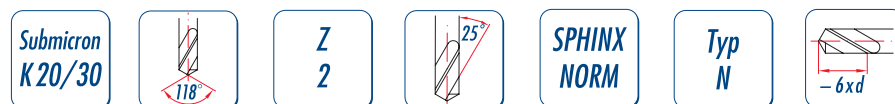
# Kleinstbohrer Tipdrill aus Vollhartmetall

*Micro foret Tipdrill en métal dur*

*Micro punta Tipdrill in metallo duro*

*Micro Tipdrill in solid carbide*

## Art. 50 620



## Abmessungen, Dimensions, Dimensioni, Dimensions

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
0.50	1.0	30	4.0	5.0
0.55	1.0	30	4.0	5.0
0.60	1.0	30	8.0	12.0
0.65	1.0	30	8.0	12.0
0.70	1.0	30	12.0	12.5
0.75	1.0	30	11.7	12.5

In Packungen zu 10 Stk.

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
0.80	1.5	30	11.7	12.5
0.85	1.5	30	11.7	12.5
0.90	1.5	30	11.7	12.5
0.95	1.5	30	11.7	12.5
1.00	1.5	30	11.7	12.5
1.05	1.5	30	12.0	13.0

En boîtes de 10 pièces

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
1.10	1.5	30	12.0	13.0
1.15	1.5	30	12.0	13.0
1.20	1.5	30	12.0	13.0
1.25	1.5	30	12.0	13.0
1.30	1.5	30	12.0	13.0
1.35	1.5	30	12.0	13.0

In contenitori da 10 pezzi

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
1.40	1.5	30	12.0	13.0
1.45	1.5	30	12.0	13.0
1.50	2.0	30	12.0	13.0
1.55	2.0	30	12.0	13.0
1.60	2.0	30	12.0	13.0

Packaged in quantities of 10 pieces

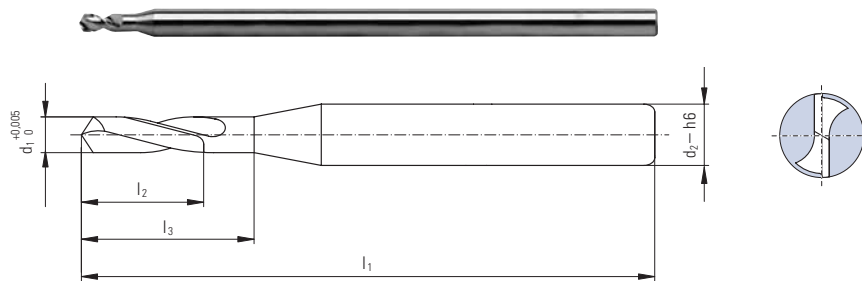
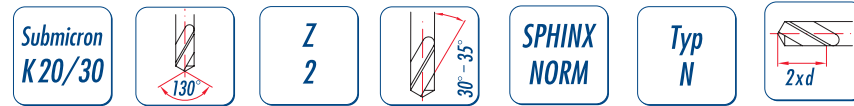
# Kleinstbohrer SPIREC aus Vollhartmetall

Micro foret SPIREC en métal dur

Micro punta SPIREC in metallo duro

Micro drill SPIREC in solid carbide

## Art. 56 030



### Abmessungen, Dimensions, Dimensioni, Dimensions

$d_1^{+0,005}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
0.30	1.5	30	0.90	1.20
0.31	1.5	30	0.90	1.20
0.32	1.5	30	0.90	1.20
0.33	1.5	30	0.90	1.20
0.34	1.5	30	0.90	1.35
0.35	1.5	30	0.90	1.35
0.36	1.5	30	0.95	1.35
0.37	1.5	30	0.95	1.35
0.38	1.5	30	0.95	1.50
0.39	1.5	30	0.95	1.50
0.40	1.5	30	0.80	1.60
0.41	1.5	30	0.82	1.60
0.42	1.5	30	0.84	1.60
0.43	1.5	30	0.86	1.60
0.44	1.5	30	0.88	1.60
0.45	1.5	30	0.90	1.60
0.46	1.5	30	0.92	1.70
0.47	1.5	30	0.94	1.70
0.48	1.5	30	0.96	1.70
0.49	1.5	30	0.98	1.70
0.50	1.5	30	1.00	1.70
0.51	1.5	30	1.02	1.80
0.52	1.5	30	1.04	1.80
0.53	1.5	30	1.06	1.80
0.54	1.5	30	1.08	1.80
0.55	1.5	30	1.10	1.80
0.56	1.5	30	1.12	1.90
0.57	1.5	30	1.14	1.90
0.58	1.5	30	1.16	1.90

In Packungen zu 10 Stück

$d_1^{+0,005}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
0.59	1.5	30	1.18	1.90
0.60	1.5	30	1.20	1.90
0.61	1.5	30	1.22	2.00
0.62	1.5	30	1.24	2.00
0.63	1.5	30	1.26	2.00
0.64	1.5	30	1.28	2.00
0.65	1.5	30	1.30	2.00
0.66	1.5	30	1.32	2.10
0.67	1.5	30	1.34	2.10
0.68	1.5	30	1.36	2.10
0.69	1.5	30	1.38	2.10
0.70	1.5	30	1.40	2.10
0.71	1.5	30	1.42	2.20
0.72	1.5	30	1.44	2.20
0.73	1.5	30	1.46	2.20
0.74	1.5	30	1.48	2.20
0.75	1.5	30	1.50	2.20
0.76	1.5	30	1.52	2.30
0.77	1.5	30	1.54	2.30
0.78	1.5	30	1.56	2.30
0.79	1.5	30	1.58	2.30
0.80	1.5	30	1.60	2.30
0.81	1.5	30	1.62	2.40
0.82	1.5	30	1.64	2.40
0.83	1.5	30	1.66	2.40
0.84	1.5	30	1.68	2.40
0.85	1.5	30	1.70	2.40
0.86	1.5	30	1.72	2.50
0.87	1.5	30	1.74	2.50

En boîtes de 10 pièces

$d_1^{+0,005}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
0.88	1.5	30	1.76	2.50
0.89	1.5	30	1.78	2.50
0.90	1.5	30	1.80	2.50
0.91	1.5	30	1.82	2.60
0.92	1.5	30	1.84	2.60
0.93	1.5	30	1.86	2.60
0.94	1.5	30	1.88	2.60
0.95	1.5	30	1.90	2.60
0.96	1.5	30	1.92	2.70
0.97	1.5	30	1.94	2.70
0.98	1.5	30	1.96	2.70
0.99	1.5	30	1.98	2.70
1.00	1.5	30	2.00	2.70

In contenitori da 10 pezzi



Packaged in quantities of 10 pieces