



## Micro Bohrer aus HSS-E

*Micro foret en HSS-E*

*Micro punta in HSS-E*

*Micro drill in HSS-E*



# 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



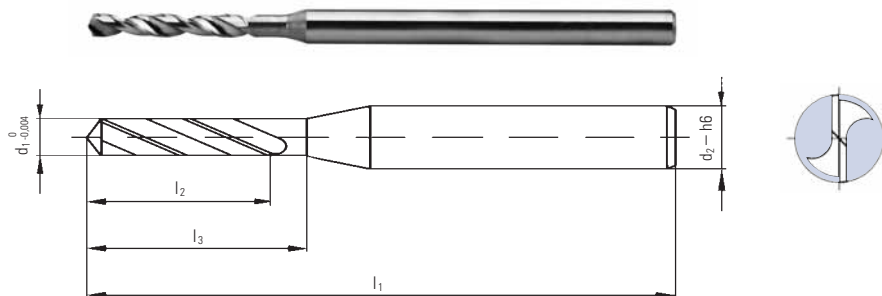
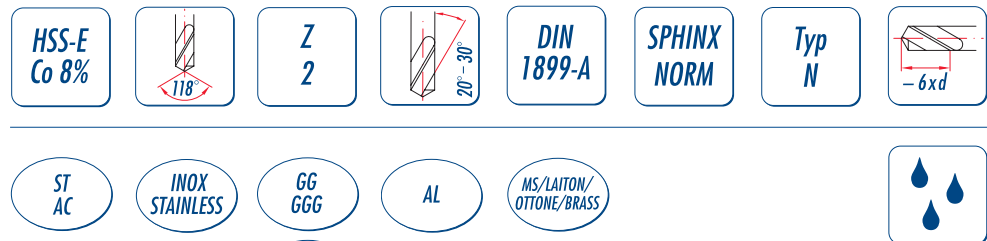
# Kleinstbohrer SPIREC aus HSS-E

Micro foret SPIREC en HSS-E

Micro punta SPIREC in HSS-E

Micro drill SPIREC in HSS-E

## Art. 12 604



### Abmessungen, Dimensions, Dimensioni, Dimensions

d <sub>1-0.004</sub> mm	d <sub>2-h6</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>3</sub> 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

In Packungen zu 10 Stück

d <sub>1-0.004</sub> mm	d <sub>2-h6</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>3</sub> mm
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
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

En boîtes de 10 pièces

d <sub>1-0.004</sub> mm	d <sub>2-h6</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>3</sub> mm
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
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

In contenitori da 10 pezzi

d <sub>1-0.004</sub> mm	d <sub>2-h6</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>3</sub> mm
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
1.05	1.5	25	6.5	8.0
1.10	1.5	25	7.3	9.0
1.15	1.5	25	7.3	9.0
1.20	1.5	25	8.2	10.0
1.25	1.5	25	8.2	10.0
1.30	1.5	25	8.2	10.0
1.35	1.5	25	9.2	11.2
1.40	1.5	25	9.2	11.2
1.45	1.5	25	9.2	11.2
1.50	2.0	38	10.9	12.9
1.55	2.0	38	11.2	13.4
1.587	2.0	38	11.2	13.4
1.60	2.0	38	11.2	13.4
1.65	2.0	38	11.2	13.4
1.70	2.0	38	11.2	13.4
1.75	2.0	38	11.2	13.4
1.80	2.0	38	11.2	13.4
1.85	2.0	38	11.2	13.4
1.90	2.0	38	11.7	14.0
1.95	2.0	38	11.7	14.0

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
1.984	2.0	38	11.7	14.0
2.00	2.5	43	12.7	15.0
2.05	2.5	43	12.7	15.0
2.10	2.5	43	12.7	15.0
2.15	2.5	43	12.7	15.0
2.20	2.5	43	13.7	17.0
2.25	2.5	43	13.7	17.0

In Packungen zu 10 Stück

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
2.30	2.5	43	13.7	17.0
2.35	2.5	43	13.7	17.0
2.381	2.5	43	13.7	17.0
2.40	2.5	43	14.7	18.0
2.45	2.5	43	14.7	18.0
2.50	3.0	46	14.7	18.0
2.55	3.0	46	15.7	19.0

En boîtes de 10 pièces

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
2.60	3.0	46	15.7	19.0
2.65	3.0	46	16.7	20.0
2.70	3.0	46	16.7	20.0
2.75	3.0	46	17.7	21.0
2.778	3.0	46	17.7	21.0
2.80	3.0	46	17.7	21.0
2.85	3.0	46	18.7	22.0

In contenitori da 10 pezzi

$d_{1-0.004}$	$d_2-h6$	$l_1$	$l_2$	$l_3$
mm	mm	mm	mm	mm
2.90	3.0	46	18.7	22.0
2.95	3.0	46	19.7	23.0
3.00	3.0	46	19.7	—
3.175	3.175	46	19.7	—

Packaged in quantities of 10 pieces

## Bohrersatz Kleinstbohrer SPIREC aus HSS-E

*Jeu de micro forets SPIREC en HSS-E*

*Set di micro punte SPIREC in HSS-E*

*Drill set micro drill SPIREC in HSS-E*



### Art. 12 610

**∅ 0.50 – 1.40 mm Total 60 Stück**

Art.  
12 604

Abstufung	0.10 mm	6 Stück/∅
Gradation	0.10 mm	6 pièces/∅
Gradazione	0.10 mm	6 pezzi/∅
In steps of	0.10 mm	6 pieces/∅



### Art. 12 613

**∅ 0.25 – 2.50 mm Total 100 Stück**

Art.  
12 604

∅ 0.25 – 0.50	Abstufung	0.05 mm	6 Stück/∅
∅ 0.60 – 0.90	Gradation	0.10 mm	6 pièces/∅
∅ 1.00 – 1.70	Gradazione	0.10 mm	3 pezzi/∅
∅ 1.80 – 2.50	In steps of	0.10 mm	2 pieces/∅

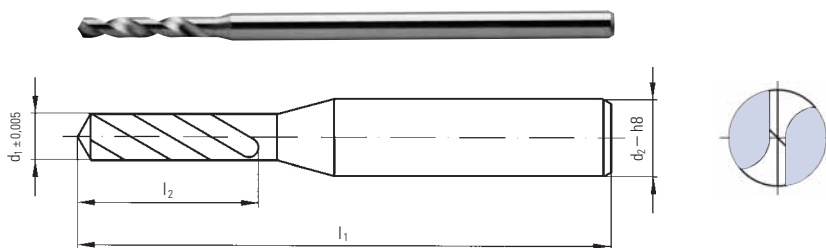
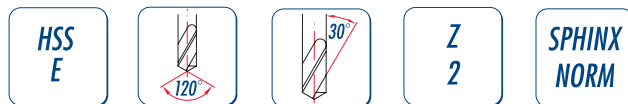
# Juwelierbohrer in HSS-E

Foret joaillier en HSS-E

Punta per gioielleria in HSS-E

Jeweller drill in HSS-E

## Art. 11 654



### Abmessungen, Dimensions, Dimensioni, Dimensions

$d_1 \pm 0,005$	$d_2 - h8$	$l_1$	$l_2$	$d_1 \pm 0,005$	$d_2 - h8$	$l_1$	$l_2$	$d_1 \pm 0,005$	$d_2 - h8$	$l_1$	$l_2$	$d_1 \pm 0,005$	$d_2 - h8$	$l_1$	$l_2$
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
0.50	1.50	25	4.0	1.05	1.50	25	7.0	1.60	2.00	38	10.0	2.15	2.50	43	14.0
0.55	1.50	25	4.0	1.10	1.50	25	7.0	1.65	2.00	38	10.0	2.20	2.50	43	14.0
0.60	1.50	25	4.5	1.15	1.50	25	7.0	1.70	2.00	38	10.0	2.25	2.50	43	14.0
0.65	1.50	25	5.0	1.20	1.50	25	8.0	1.75	2.00	38	10.0	2.30	2.50	43	14.0
0.70	1.50	25	5.0	1.25	1.50	25	8.0	1.80	2.00	38	10.0				
0.75	1.50	25	5.0	1.30	1.50	25	8.0	1.85	2.00	38	12.0				
0.80	1.50	25	6.0	1.35	1.50	25	8.0	1.90	2.00	38	12.0				
0.85	1.50	25	6.0	1.40	1.50	25	9.0	1.95	2.00	38	12.0				
0.90	1.50	25	6.0	1.45	1.50	25	9.0	2.00	2.00	38	12.0				
0.95	1.50	25	6.0	1.50	2.00	38	9.0	2.05	2.50	43	14.0				
1.00	1.50	25	6.0	1.55	2.00	38	9.0	2.10	2.50	43	14.0				