InovaTools®
GERMAN TOOLS GROUP



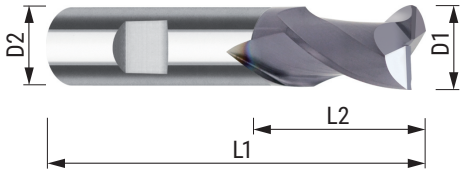
Economy-Line VHM-Werkzeuge / *Solid carbide tools*

2019



Artikel-Nr. 922.1...

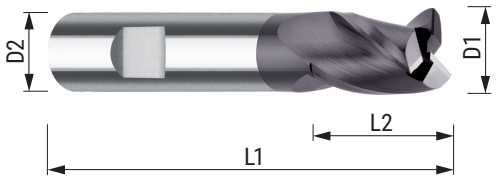
VHM – Bohrnutenfräser
Solid carbide slotting end mill



D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA blank	HB blank	HA	HB
1,00	6,00	5	50	2	922.101...	.09	.19	.00	.10
2,00	6,00	6	50	2	922.102...	.09	.19	.00	.10
3,00	6,00	6	50	2	922.103...	.09	.19	.00	.10
4,00	6,00	8	50	2	922.104...	.09	.19	.00	.10
5,00	6,00	8	50	2	922.105...	.09	.19	.00	.10
6,00	6,00	16	50	2	922.106...	.09	.19	.00	.10
8,00	8,00	20	63	2	922.108...	.09	.19	.00	.10
10,00	10,00	2	72	2	922.110...	.09	.19	.00	.10
12,00	12,00	22	73	2	922.112...	.09	.19	.00	.10
16,00	16,00	25	75	2	922.116...	.09	.19	.00	.10
20,00	20,00	32	100	2	922.120...	.09	.19	.00	.10

Artikel-Nr. 923.2...

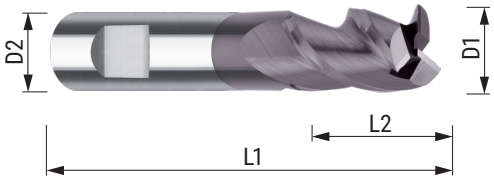
VHM – Bohrnutenfräser
Solid carbide slotting end mill



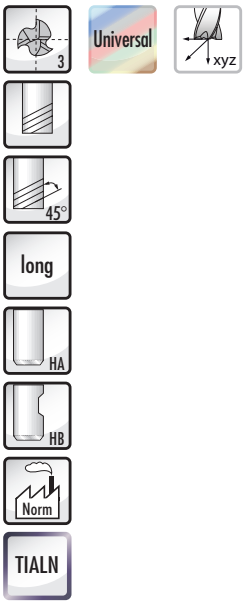
D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA blank	HB blank	HA	HB
1,00	6,00	5	50	3	923.201...	.09	.19	.00	.10
2,00	6,00	6	50	3	923.202...	.09	.19	.00	.10
3,00	6,00	6	50	3	923.203...	.09	.19	.00	.10
4,00	6,00	8	50	3	923.204...	.09	.19	.00	.10
5,00	6,00	8	50	3	923.205...	.09	.19	.00	.10
6,00	6,00	16	50	3	923.206...	.09	.19	.00	.10
8,00	8,00	20	63	3	923.208...	.09	.19	.00	.10
10,00	10,00	22	72	3	923.210...	.09	.19	.00	.10
12,00	12,00	22	73	3	923.212...	.09	.19	.00	.10
16,00	16,00	25	75	3	923.216...	.09	.19	.00	.10
20,00	20,00	32	100	3	923.220...	.09	.19	.00	.10

Artikel-Nr. 923.3...

VHM – Bohrnutenfräser
Solid carbide slotting end mill

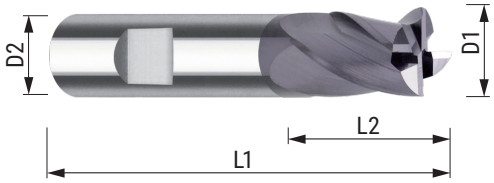


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
1,00	6,00	5	57	3	923.301...	.00	.10
2,00	6,00	6	57	3	923.302...	.00	.10
3,00	6,00	7	57	3	923.303...	.00	.10
4,00	6,00	8	57	3	923.304...	.00	.10
5,00	6,00	10	57	3	923.305...	.00	.10
6,00	6,00	10	57	3	923.306...	.00	.10
8,00	8,00	16	63	3	923.308...	.00	.10
10,00	10,00	19	72	3	923.310...	.00	.10
12,00	12,00	22	83	3	923.312...	.00	.10
16,00	16,00	26	92	3	923.316...	.00	.10
20,00	20,00	32	104	3	923.320...	.00	.10

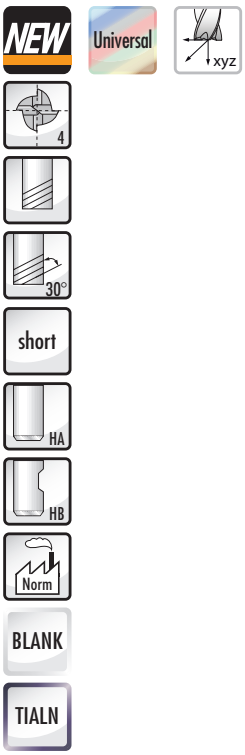


Artikel-Nr. 924.4...

VHM – Bohrnutenfräser
Solid carbide slotting end mill

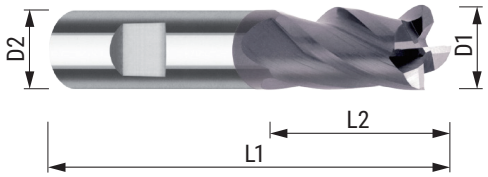


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA blank	HB blank	HA	HB
1,00	6,00	5	50	4	924.401...	.09	.19	.00	.10
2,00	6,00	7	50	4	924.402...	.09	.19	.00	.10
3,00	6,00	8	50	4	924.403...	.09	.19	.00	.10
4,00	6,00	11	50	4	924.404...	.09	.19	.00	.10
5,00	6,00	13	50	4	924.405...	.09	.19	.00	.10
6,00	6,00	16	50	4	924.406...	.09	.19	.00	.10
8,00	8,00	20	63	4	924.408...	.09	.19	.00	.10
10,00	10,00	22	72	4	924.410...	.09	.19	.00	.10
12,00	12,00	22	73	4	924.412...	.09	.19	.00	.10
16,00	16,00	25	75	4	924.416...	.09	.19	.00	.10
20,00	20,00	32	100	4	924.420...	.09	.19	.00	.10

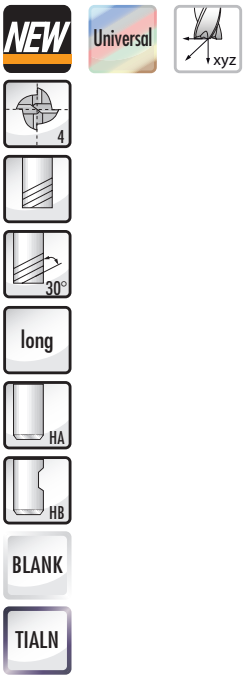


Artikel-Nr. 924.5...

VHM – Bohrnutenfräser
Solid carbide slotting end mill

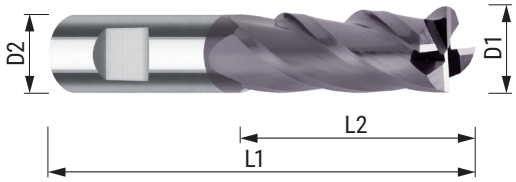


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA blank	HB blank	HA	HB
1,00	6,00	3	50	4	924.501...	.09	.19	.00	.10
2,00	6,00	4	50	4	924.502...	.09	.19	.00	.10
3,00	6,00	6	50	4	924.503...	.09	.19	.00	.10
4,00	6,00	8	50	4	924.504...	.09	.19	.00	.10
5,00	6,00	8	50	4	924.505...	.09	.19	.00	.10
6,00	6,00	13	57	4	924.506...	.09	.19	.00	.10
8,00	8,00	19	63	4	924.508...	.09	.19	.00	.10
10,00	10,00	22	72	4	924.510...	.09	.19	.00	.10
12,00	12,00	26	83	4	924.512...	.09	.19	.00	.10
16,00	16,00	32	92	4	924.516...	.09	.19	.00	.10
20,00	20,00	38	104	4	924.520...	.09	.19	.00	.10

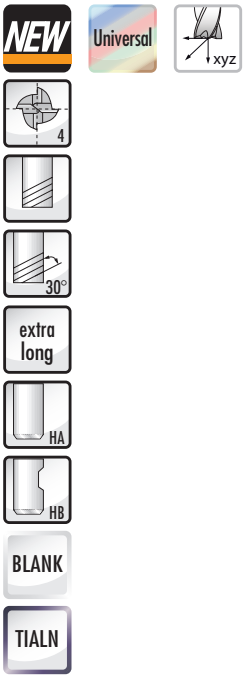


Artikel-Nr. 924.6...

VHM – Bohrnutenfräser
Solid carbide slotting end mill

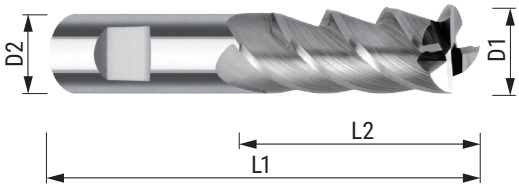


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA blank	HB blank	HA	HB
3,00	6,00	12	50	4	924.603...	.09	.19	.00	.10
4,00	6,00	15	50	4	924.604...	.09	.19	.00	.10
5,00	6,00	20	60	4	924.605...	.09	.19	.00	.10
6,00	6,00	20	60	4	924.606...	.09	.19	.00	.10
8,00	8,00	25	70	4	924.608...	.09	.19	.00	.10
10,00	10,00	30	90	4	924.610...	.09	.19	.00	.10
12,00	12,00	30	90	4	924.612...	.09	.19	.00	.10
16,00	16,00	50	110	4	924.616...	.09	.19	.00	.10
20,00	20,00	55	110	4	924.620...	.09	.19	.00	.10



Artikel-Nr. 934.1...

VHM – Schaftfräser
Solid carbide mill

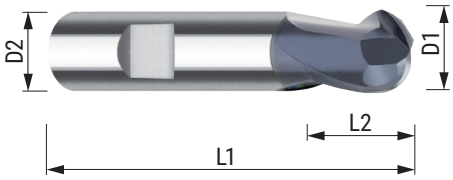


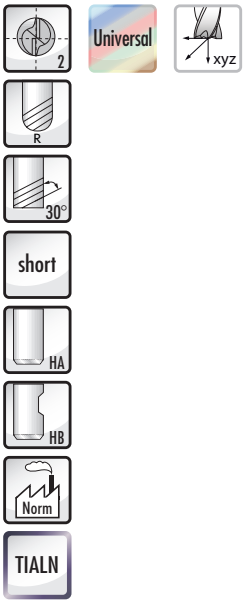


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
4,00	6,00	8	62	4	934.104...	.00	.10
5,00	6,00	15	62	4	934.105...	.00	.10
6,00	6,00	18	62	4	934.106...	.00	.10
8,00	8,00	24	68	4	934.108...	.00	.10
10,00	10,00	30	80	4	934.110...	.00	.10
12,00	12,00	36	93	4	934.112...	.00	.10
16,00	16,00	48	108	4	934.116...	.00	.10
20,00	20,00	60	126	4	934.120...	.00	.10

Artikel-Nr. 942.1...

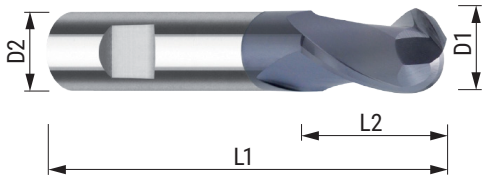
VHM – Radiusfräser
Solid carbide ball nose mill





D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
1,00	6,00	3	50	2	942.101...	.00	.10
2,00	6,00	4	50	2	942.102...	.00	.10
3,00	6,00	5	50	2	942.103...	.00	.10
4,00	6,00	6	50	2	942.104...	.00	.10
5,00	6,00	7	50	2	942.105...	.00	.10
6,00	6,00	7	51	2	942.106...	.00	.10
8,00	8,00	9	63	2	942.108...	.00	.10
10,00	10,00	10	60	2	942.110...	.00	.10
12,00	12,00	14	73	2	942.112...	.00	.10
16,00	16,00	16	75	2	942.116...	.00	.10
20,00	20,00	20	82	2	942.120...	.00	.10

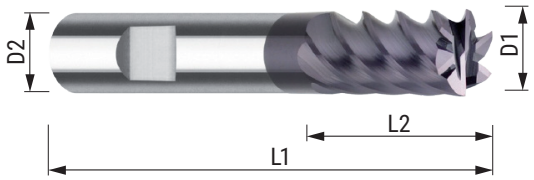
Artikel-Nr. 942.2...



VHM – Radiusfräser
Solid carbide ball nose mill

D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
6,00	6,00	10	57	2	942.206...	.00	.10
8,00	8,00	16	63	2	942.208...	.00	.10
10,00	10,00	19	72	2	942.210...	.00	.10
12,00	12,00	22	83	2	942.212...	.00	.10
16,00	16,00	26	92	2	942.216...	.00	.10
20,00	20,00	32	104	2	942.220...	.00	.10

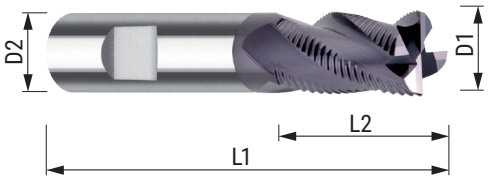
Artikel-Nr. 936.2...



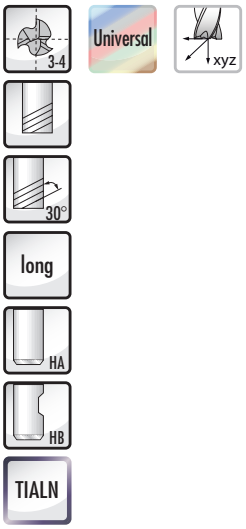
VHM – Schaftfräser
Solid carbide mill

D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
6,00	6,00	13	57	6	936.206...	.00	.10
8,00	8,00	19	63	6	936.208...	.00	.10
10,00	10,00	22	72	6	936.210...	.00	.10
12,00	12,00	26	83	6	936.212...	.00	.10
16,00	16,00	32	92	6	936.216...	.00	.10
16,00	16,00	65	120	6	936.21601...	.00	.10
20,00	20,00	38	104	8	936.220...	.00	.10
20,00	20,00	75	135	8	936.22001...	.00	.10

Artikel-Nr. **953.1...**

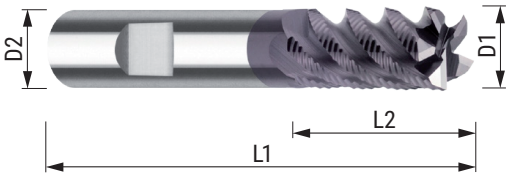


VHM – Schruppfräser
Solid carbide roughing mill

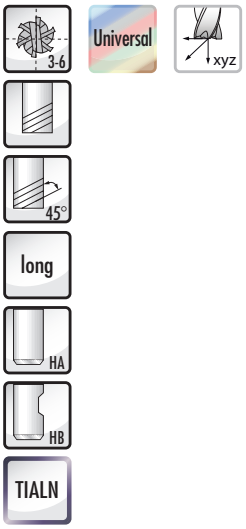


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
3,00	6,00	6	57	3	953.103...	.00	.10
4,00	6,00	8	57	3	953.104...	.00	.10
5,00	6,00	10	57	3	953.105...	.00	.10
6,00	6,00	16	57	3	953.106...	.00	.10
8,00	8,00	16	63	3	953.108...	.00	.10
10,00	10,00	22	72	4	953.110...	.00	.10
12,00	12,00	26	83	4	953.112...	.00	.10
16,00	16,00	32	92	4	953.116...	.00	.10
20,00	20,00	38	104	4	953.120...	.00	.10

Artikel-Nr. **953.2...**



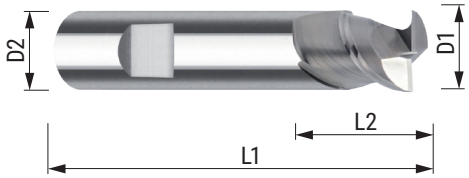
VHM – Schruppfräser
Solid carbide roughing mill

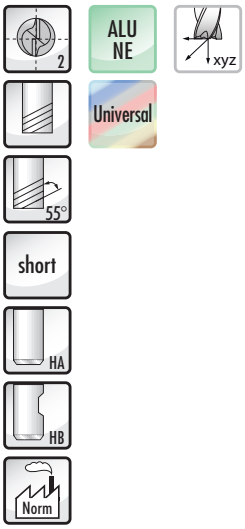


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
4,00	6,00	11	57	3	953.204...	.00	.10
5,00	6,00	13	57	4	953.205...	.00	.10
6,00	6,00	16	57	4	953.206...	.00	.10
8,00	8,00	16	63	4	953.208...	.00	.10
10,00	10,00	22	72	4	953.210...	.00	.10
12,00	12,00	28	83	4	953.212...	.00	.10
16,00	16,00	32	92	5	953.216...	.00	.10
20,00	20,00	38	104	6	953.220...	.00	.10

Artikel-Nr. 940.2...

VHM – Alu-cutter
Solid carbide Alu-cutter

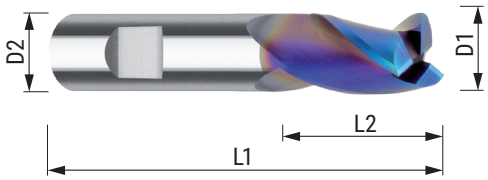


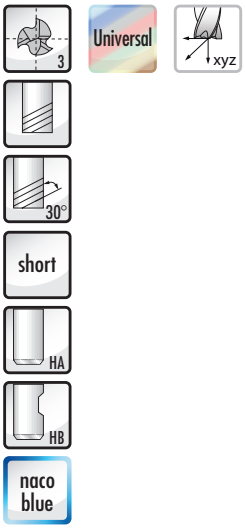


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
3,00	6,00	4	50	2	940.203...	.00	.10
4,00	6,00	5	50	2	940.204...	.00	.10
5,00	6,00	6	50	2	940.205...	.00	.10
6,00	6,00	7	50	2	940.206...	.00	.10
8,00	8,00	8	58	2	940.208...	.00	.10
10,00	10,00	10	66	2	940.210...	.00	.10
12,00	12,00	12	72	2	940.212...	.00	.10
14,00	14,00	14	75	2	940.214...	.00	.10
16,00	16,00	16	82	2	940.216...	.00	.10
18,00	18,00	18	84	2	940.218...	.00	.10
20,00	20,00	20	92	2	940.220...	.00	.10

Artikel-Nr. 935...

VHM – Bohrnutenfräser
Solid carbide slotting end mill

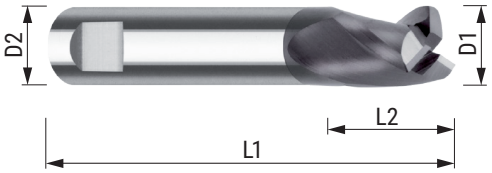


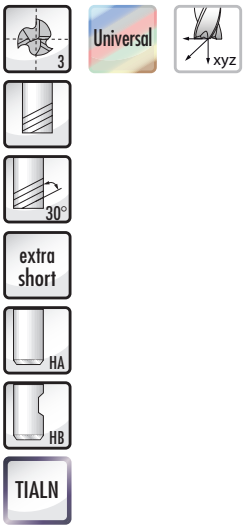


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
1,00	6,00	2	50	3	935.001...	.00	.10
2,00	6,00	3	50	3	935.002...	.00	.10
3,00	6,00	4	50	3	935.003...	.00	.10
4,00	6,00	5	50	3	935.004...	.00	.10
5,00	6,00	6	50	3	935.005...	.00	.10
6,00	6,00	7	50	3	935.006...	.00	.10
7,00	8,00	9	58	3	935.007...	.00	.10
8,00	8,00	9	58	3	935.008...	.00	.10
9,00	10,00	11	66	3	935.009...	.00	.10
10,00	10,00	11	66	3	935.010...	.00	.10
12,00	12,00	14	72	3	935.012...	.00	.10

Artikel-Nr. 943.2...

VHM – Bohrnutenfräser
Solid carbide slotting end mill

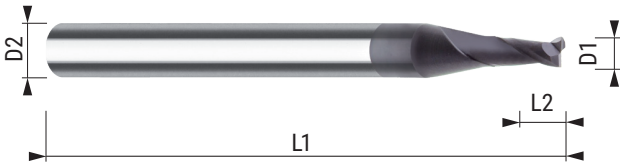


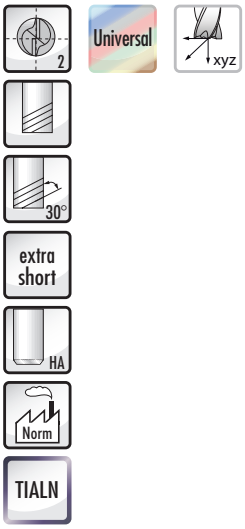


D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
2,00	6,00	4	38	3	943.202...	.00	.10
3,00	6,00	5	38	3	943.203...	.00	.10
4,00	6,00	7	38	3	943.204...	.00	.10
5,00	6,00	8	38	3	943.205...	.00	.10
6,00	6,00	8	38	3	943.206...	.00	.10
8,00	8,00	11	43	3	943.208...	.00	.10
10,00	10,00	13	50	3	943.210...	.00	.10
12,00	12,00	15	55	3	943.212...	.00	.10
16,00	16,00	18	62	3	943.216...	.00	.10
20,00	20,00	22	75	3	943.220...	.00	.10

Artikel-Nr. 913.2...

VHM – Bohrnutenfräser
Solid carbide slotting end mill

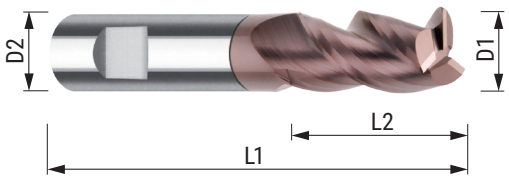




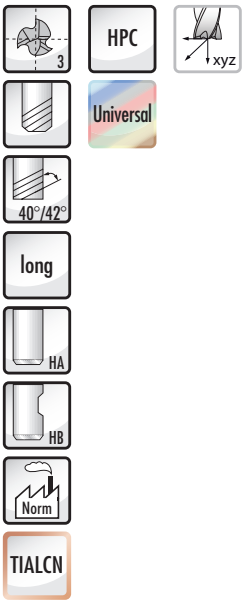
D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.
0,50	3,00	1	38	2	913.205.00
0,60	3,00	1	38	2	913.206.00
0,70	3,00	1	38	2	913.207.00
0,80	3,00	1	38	2	913.208.00
0,90	3,00	1	38	2	913.209.00
1,00	3,00	2	38	2	913.210.00
1,10	3,00	2	38	2	913.211.00
1,20	3,00	2	38	2	913.212.00
1,40	3,00	2	38	2	913.214.00
1,50	3,00	2	38	2	913.215.00
1,60	3,00	2	38	2	913.216.00
1,70	3,00	3	38	2	913.217.00
1,80	3,00	3	38	2	913.218.00
1,90	3,00	3	38	2	913.219.00
2,00	3,00	3	38	2	913.220.00
2,50	3,00	3	38	2	913.225.00
3,00	3,00	3	38	2	913.230.00

Artikel-Nr. 925.0...

VHM – Schaftfräser
Solid carbide mill

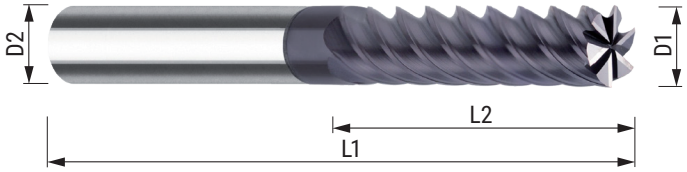


D1	D2 h6	L2	L1	EF	Z	Artikel-Nr./ Article-No.	HA	HB
3,00	6,00	8	57	0,10	3	925.003...	.00	.10
4,00	6,00	11	57	0,13	3	925.004...	.00	.10
5,00	6,00	13	57	0,18	3	925.005...	.00	.10
6,00	6,00	13	57	0,20	3	925.006...	.00	.10
8,00	8,00	19	63	0,20	3	925.008...	.00	.10
10,00	10,00	22	72	0,30	3	925.010...	.00	.10
12,00	12,00	26	83	0,30	3	925.012...	.00	.10
16,00	16,00	32	92	0,40	3	925.016...	.00	.10
20,00	20,00	38	104	0,50	3	925.020...	.00	.10

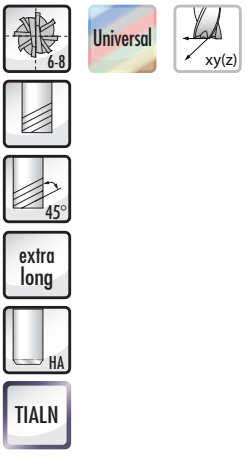


Artikel-Nr. 927...

VHM – Schaftfräser
Solid carbide mill

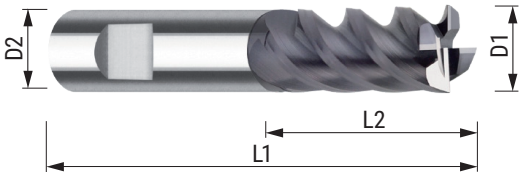


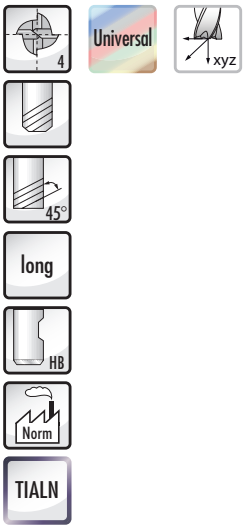
D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.
6,00	6,00	26	70	6	927.060.00
8,00	8,00	36	90	6	927.080.00
10,00	10,00	46	100	6	927.100.00
12,00	12,00	56	110	6	927.120.00
16,00	16,00	66	130	6	927.160.00
20,00	20,00	76	140	8	927.200.00



Artikel-Nr. 928...

VHM – Schaftfräser
Solid carbide mill

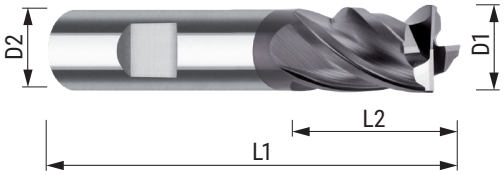


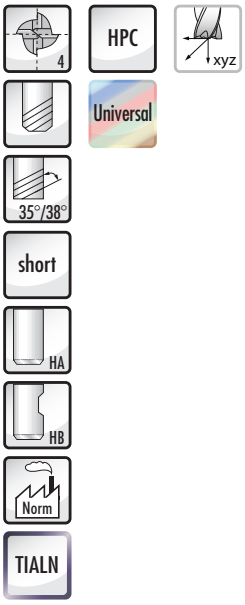


D1	D2 h6	L2	L1	EF	Z	Artikel-Nr./ Article-No.
2,00	6,00	8	57	0,05	4	928.002.00
3,00	6,00	14	57	0,05	4	928.003.00
4,00	6,00	18	57	0,10	4	928.004.00
5,00	6,00	20	57	0,10	4	928.005.00
6,00	6,00	22	57	0,10	4	928.006.00
8,00	8,00	30	63	0,15	4	928.008.00
10,00	10,00	33	72	0,15	4	928.100.00
12,00	12,00	34	83	0,20	4	928.120.00
16,00	16,00	38	92	0,20	4	928.160.00
20,00	20,00	47	104	0,30	4	928.200.00

Artikel-Nr. 973.1...

VHM – Schaftfräser **Starmax**
Solid carbide mill

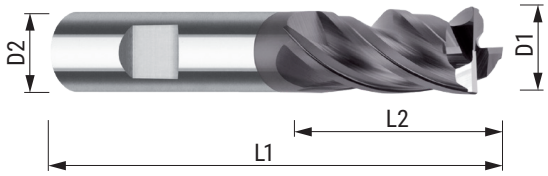




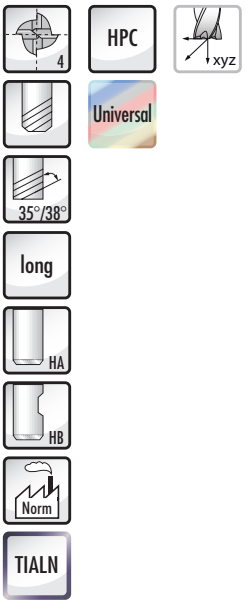
D1	D2 h6	L2	L1	Z	Artikel-Nr./ Article-No.	HA	HB
3,00	6,00	6	54	4	973.103...	.00	.10
4,00	6,00	8	54	4	973.104...	.00	.10
5,00	6,00	9	54	4	973.105...	.00	.10
6,00	6,00	10	54	4	973.106...	.00	.10
8,00	8,00	12	58	4	973.108...	.00	.10
10,00	10,00	14	66	4	973.110...	.00	.10
12,00	12,00	16	73	4	973.112...	.00	.10
14,00	14,00	18	75	4	973.114...	.00	.10
16,00	16,00	22	82	4	973.116...	.00	.10
18,00	18,00	24	84	4	973.118...	.00	.10
20,00	20,00	26	92	4	973.120...	.00	.10

Artikel-Nr. 973.2...

VHM – Schaftfräser **Starmax**
Solid carbide mill

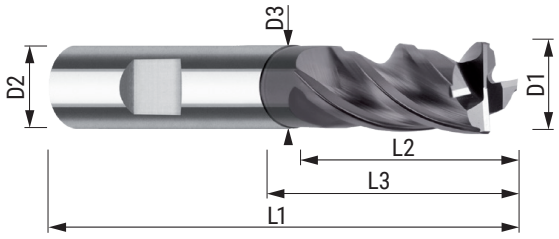


D1	D2 h6	L2	L1	EF	Z	Artikel-Nr./ Article-No.	HA	HB
3,00	6,00	8	57	0,10	4	973.203...	.00	.10
4,00	6,00	11	57	0,13	4	973.204...	.00	.10
5,00	6,00	13	57	0,18	4	973.205...	.00	.10
6,00	6,00	13	57	0,20	4	973.206...	.00	.10
8,00	8,00	19	63	0,20	4	973.208...	.00	.10
10,00	10,00	22	72	0,30	4	973.210...	.00	.10
12,00	12,00	26	83	0,30	4	973.212...	.00	.10
14,00	14,00	26	83	0,30	4	973.214...	.00	.10
16,00	16,00	32	92	0,40	4	973.216...	.00	.10
18,00	18,00	32	92	0,40	4	973.218...	.00	.10
20,00	20,00	38	104	0,50	4	973.220...	.00	.10

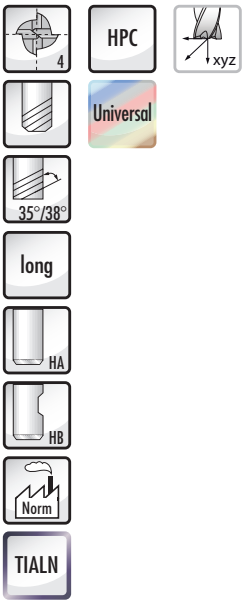


Artikel-Nr. 973.3...

VHM – Schaftfräser **Starmax**
Solid carbide mill

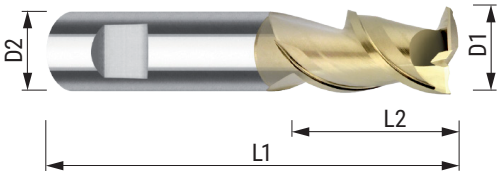


D1	D2 h6	L2	L1	D3	L3	EF	Z	Artikel-Nr./ Article-No.	HA	HB
3,00	6,00	11	57	3,60	21	0,10	4	973.303...	.00	.10
4,00	6,00	11	57	3,60	21	0,13	4	973.304...	.00	.10
5,00	6,00	13	57	4,60	21	0,18	4	973.305...	.00	.10
6,00	6,00	13	57	5,50	21	0,20	4	973.306...	.00	.10
8,00	8,00	19	63	7,50	27	0,20	4	973.308...	.00	.10
10,00	10,0	22	72	9,50	32	0,30	4	973.310...	.00	.10
12,00	12,00	26	83	11,50	38	0,30	4	973.312...	.00	.10
14,00	14,00	26	83	13,50	42	0,30	4	973.314...	.00	.10
16,00	16,00	32	92	15,50	44	0,40	4	973.316...	.00	.10
18,00	18,00	32	92	17,50	50	0,40	4	973.318...	.00	.10
20,00	20,00	38	104	19,50	54	0,50	4	973.320...	.00	.10



Artikel-Nr. 941.1...

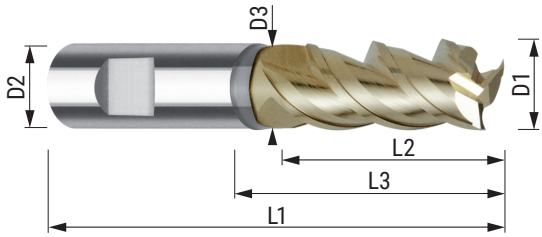
VHM – Alu-cutter
Solid carbide Alu-cutter



D1	D2 h6	L2	L1	D3	L3	EF	Z	Artikel-Nr./ Article-No.	HA	HB
2,00	6,00	8	57	1,90	16	0,05	2	941.102...	.00	.10
3,00	6,00	8	57	2,90	18	0,10	2	941.103...	.00	.10
4,00	6,00	11	57	3,90	18	0,10	2	941.104...	.00	.10
5,00	6,00	13	57	4,90	20	0,10	2	941.105...	.00	.10
6,00	6,00	13	57	5,90	20	0,10	2	941.106...	.00	.10
8,00	8,00	19	63	7,70	26	0,10	2	941.108...	.00	.10
10,00	10,00	22	72	9,70	29	0,10	2	941.110...	.00	.10
12,00	12,00	26	83	11,70	36	0,10	2	941.112...	.00	.10
14,00	14,00	26	83	13,70	36	0,10	2	941.114...	.00	.10
16,00	16,00	32	92	15,70	42	0,10	2	941.116...	.00	.10
18,00	18,00	32	92	17,50	42	0,10	2	941.118...	.00	.10
20,00	20,00	38	104	19,50	52	0,10	2	941.120...	.00	.10

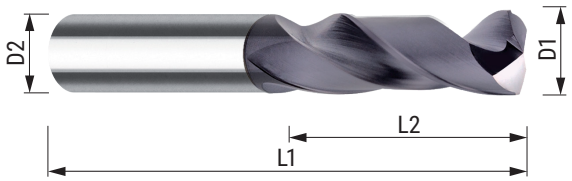
Artikel-Nr. 945...

VHM – Alu-cutter
Solid carbide Alu-cutter



D1	D2 h6	L2	L1	D3	L3	Z	Artikel-Nr./ Article-No.	HA blank	HB blank	HA	HB
3,00	6,00	12	38	-	-	3	945.030...	.00	.10	.11	.19
4,00	6,00	12	54	3,80	18	3	945.040...	.00	.10	.11	.19
5,00	6,00	15	54	4,80	18	3	945.050...	.00	.10	.11	.19
6,00	6,00	16	57	5,80	21	3	945.060...	.00	.10	.11	.19
8,00	8,00	22	63	7,80	28	3	945.080...	.00	.10	.11	.19
10,00	10,00	25	72	9,70	33	3	945.100...	.00	.10	.11	.19
12,00	12,00	28	83	11,70	39	3	945.120...	.00	.10	.11	.19
16,00	16,00	35	93	15,70	45	3	945.160...	.00	.10	.11	.19
20,00	20,00	40	104	19,70	54	3	945.200...	.00	.10	.11	.19
25,00	25,00	45	121	23,00	65	3	945.250...	.00	.10	.11	.19

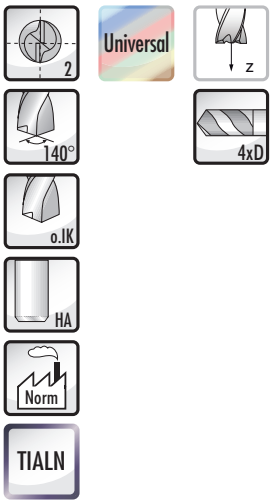
Artikel-Nr. **504...**



D1	D2	L2	L1	Artikel-Nr./ Article-No.
1,00	4,00	7	45	504.010.00
1,10	4,00	7	45	504.011.00
1,20	4,00	7	45	504.012.00
1,30	4,00	7	45	504.013.00
1,40	4,00	7	45	504.014.00
1,50	4,00	14	55	504.015.00
1,60	4,00	14	55	504.016.00
1,70	4,00	14	55	504.017.00
1,80	4,00	14	55	504.018.00
1,90	4,00	14	55	504.019.00
2,00	4,00	20	55	504.020.00
2,10	4,00	20	55	504.021.00
2,20	4,00	20	55	504.022.00
2,30	4,00	20	55	504.023.00
2,40	4,00	20	55	504.024.00
2,50	4,00	20	55	504.025.00
2,60	4,00	20	55	504.026.00
2,70	4,00	20	55	504.027.00
2,80	4,00	20	55	504.028.00
2,90	4,00	20	55	504.029.00
3,00	6,00	20	62	504.030.00
3,10	6,00	20	62	504.031.00
3,20	6,00	20	62	504.032.00
3,25	6,00	20	62	504.325.00
3,30	6,00	20	62	504.033.00
3,40	6,00	20	62	504.034.00
3,50	6,00	20	62	504.035.00
3,60	6,00	20	62	504.036.00
3,70	6,00	20	62	504.037.00
3,80	6,00	24	66	504.038.00
3,90	6,00	24	66	504.039.00
4,00	6,00	24	66	504.040.00
4,10	6,00	24	66	504.041.00
4,20	6,00	24	66	504.042.00
4,30	6,00	24	66	504.043.00
4,40	6,00	24	66	504.044.00
4,50	6,00	24	66	504.045.00
4,60	6,00	24	66	504.046.00
4,65	6,00	24	66	504.465.00
4,70	6,00	24	66	504.047.00
4,80	6,00	28	66	504.048.00
4,90	6,00	28	66	504.049.00

VHM – Spiralbohrer 4xD
Solid carbide drill

.00 HA Schaft/Shank
.10 HB Schaft/Shank
.20 HE Schaft/Shank

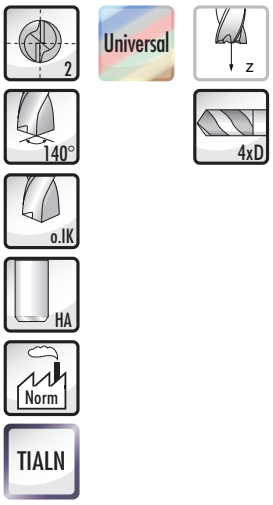


D1	D2	L2	L1	Artikel-Nr./ Article-No.
5,00	6,00	28	66	504.050.00
5,10	6,00	28	66	504.051.00
5,20	6,00	28	66	504.052.00
5,30	6,00	28	66	504.053.00
5,40	6,00	28	66	504.054.00
5,50	6,00	28	66	504.055.00
5,55	6,00	28	66	504.555.00
5,60	6,00	28	66	504.056.00
5,70	6,00	28	66	504.057.00
5,80	6,00	28	66	504.058.00
5,90	6,00	28	66	504.059.00
6,00	6,00	28	66	504.060.00
6,10	8,00	34	79	504.061.00
6,20	8,00	34	79	504.062.00
6,30	8,00	34	79	504.063.00
6,40	8,00	34	79	504.064.00
6,50	8,00	34	79	504.065.00
6,60	8,00	34	79	504.066.00
6,70	8,00	34	79	504.067.00
6,80	8,00	34	79	504.068.00
6,90	8,00	34	79	504.069.00
7,00	8,00	34	79	504.070.00
7,10	8,00	41	79	504.071.00
7,20	8,00	41	79	504.072.00
7,30	8,00	41	79	504.073.00
7,40	8,00	41	79	504.074.00
7,50	8,00	41	79	504.075.00
7,60	8,00	41	79	504.076.00
7,70	8,00	41	79	504.077.00
7,80	8,00	41	79	504.078.00
7,90	8,00	41	79	504.079.00

Artikel-Nr. **504...**

VHM – Spiralbohrer 4xD
Solid carbide drill

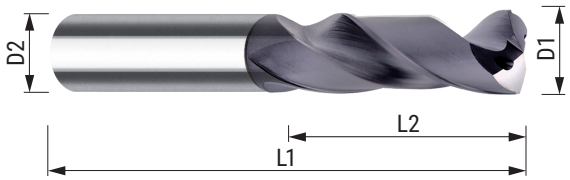
.00 HA Schaft/Shank
.10 HB Schaft/Shank
.20 HE Schaft/Shank



D1	D2	L2	L1	Artikel-Nr./ Article-No.
8,00	8,00	41	79	504.080.00
8,10	10,00	47	89	504.081.00
8,20	10,00	47	89	504.082.00
8,30	10,00	47	89	504.083.00
8,40	10,00	47	89	504.084.00
8,50	10,00	47	89	504.085.00
8,60	10,00	47	89	504.086.00
8,70	10,00	47	89	504.087.00
8,80	10,00	47	89	504.088.00
8,90	10,00	47	89	504.089.00
9,00	10,00	47	89	504.090.00
9,10	10,00	47	89	504.091.00
9,20	10,00	47	89	504.092.00
9,30	10,00	47	89	504.093.00
9,40	10,00	47	89	504.094.00
9,50	10,00	47	89	504.095.00
9,60	10,00	47	89	504.096.00
9,70	10,00	47	89	504.097.00
9,80	10,00	47	89	504.098.00
9,90	10,00	47	89	504.099.00
10,00	10,00	47	89	504.100.00
10,10	12,00	55	102	504.101.00
10,20	12,00	55	102	504.102.00
10,30	12,00	55	102	504.103.00
10,40	12,00	55	102	504.104.00
10,50	12,00	55	102	504.105.00
10,60	12,00	55	102	504.106.00
10,70	12,00	55	102	504.107.00
10,80	12,00	55	102	504.108.00
10,90	12,00	55	102	504.109.00
11,00	12,00	55	102	504.110.00
11,10	12,00	55	102	504.111.00
11,20	12,00	55	102	504.112.00
11,30	12,00	55	102	504.113.00
11,40	12,00	55	102	504.114.00
11,50	12,00	55	102	504.115.00
11,60	12,00	55	102	504.116.00
11,70	12,00	55	102	504.117.00
11,80	12,00	55	102	504.118.00
11,90	12,00	55	102	504.119.00
12,00	12,00	55	102	504.120.00
12,20	14,00	60	107	504.122.00
12,30	14,00	60	107	504.123.00
12,50	14,00	60	107	504.125.00
12,80	14,00	60	107	504.128.00

D1	D2	L2	L1	Artikel-Nr./ Article-No.
13,00	14,00	60	107	504.130.00
13,50	14,00	60	107	504.135.00
13,80	14,00	60	107	504.138.00
14,00	14,00	60	107	504.140.00
14,20	16,00	65	115	504.142.00
14,50	16,00	65	115	504.145.00
14,80	16,00	65	115	504.148.00
15,00	16,00	65	115	504.150.00
15,10	16,00	65	115	504.151.00
15,20	16,00	65	115	504.152.00
15,50	16,00	65	115	504.155.00
15,80	16,00	65	115	504.158.00
16,00	16,00	65	115	504.160.00
16,50	18,00	73	123	504.165.00
16,80	18,00	73	123	504.168.00
17,00	18,00	73	123	504.170.00
17,30	18,00	73	123	504.173.00
17,50	18,00	73	123	504.175.00
17,70	18,00	73	123	504.177.00
17,80	18,00	73	123	504.178.00
18,00	18,00	73	123	504.180.00
18,50	20,00	79	131	504.185.00
19,00	20,00	79	131	504.190.00
19,30	20,00	79	131	504.193.00
19,50	20,00	79	131	504.195.00
19,80	20,00	79	131	504.198.00
20,00	20,00	79	131	504.200.00

Artikel-Nr. **604...**

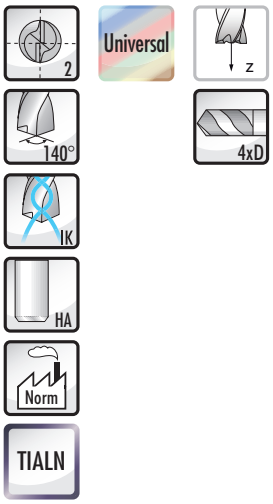


D1	D2	L2	L1	Artikel-Nr./ Article-No.
3,00	6,00	20	62	604.030.00
3,10	6,00	20	62	604.031.00
3,20	6,00	20	62	604.032.00
3,25	6,00	20	62	604.325.00
3,30	6,00	20	62	604.033.00
3,40	6,00	20	62	604.034.00
3,50	6,00	20	62	604.035.00
3,60	6,00	20	62	604.036.00
3,70	6,00	20	62	604.037.00
3,80	6,00	24	66	604.038.00
3,90	6,00	24	66	604.039.00
4,00	6,00	24	66	604.040.00
4,10	6,00	24	66	604.041.00
4,20	6,00	24	66	604.042.00
4,30	6,00	24	66	604.043.00
4,40	6,00	24	66	604.044.00
4,50	6,00	24	66	604.045.00
4,60	6,00	24	66	604.046.00
4,65	6,00	24	66	604.465.00
4,70	6,00	24	66	604.047.00
4,80	6,00	28	66	604.048.00
4,90	6,00	28	66	604.049.00
5,00	6,00	28	66	604.050.00
5,10	6,00	28	66	604.051.00
5,20	6,00	28	66	604.052.00
5,30	6,00	28	66	604.053.00
5,40	6,00	28	66	604.054.00
5,50	6,00	28	66	604.055.00
5,55	6,00	28	66	604.555.00
5,60	6,00	28	66	604.056.00
5,70	6,00	28	66	604.057.00
5,80	6,00	28	66	604.058.00
5,90	6,00	28	66	604.059.00
6,00	6,00	28	66	604.060.00
6,10	8,00	34	79	604.061.00
6,20	8,00	34	79	604.062.00
6,30	8,00	34	79	604.063.00
6,40	8,00	34	79	604.064.00
6,50	8,00	34	79	604.065.00
6,60	8,00	34	79	604.066.00
6,70	8,00	34	79	604.067.00
6,80	8,00	34	79	604.068.00
6,90	8,00	34	79	604.069.00

VHM – Spiralbohrer 4xD

Solid carbide drill

.00 HA Schaft/Shank
.10 HB Schaft/Shank
.20 HE Schaft/Shank

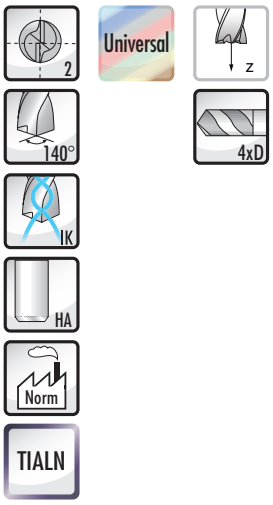


D1	D2	L2	L1	Artikel-Nr./ Article-No.
7,00	8,00	34	79	604.070.00
7,10	8,00	41	79	604.071.00
7,20	8,00	41	79	604.072.00
7,30	8,00	41	79	604.073.00
7,40	8,00	41	79	604.074.00
7,50	8,00	41	79	604.075.00
7,60	8,00	41	79	604.076.00
7,70	8,00	41	79	604.077.00
7,80	8,00	41	79	604.078.00
7,90	8,00	41	79	604.079.00
8,00	8,00	41	79	604.080.00
8,10	10,00	47	89	604.081.00
8,20	10,00	47	89	604.082.00
8,30	10,00	47	89	604.083.00
8,40	10,00	47	89	604.084.00
8,50	10,00	47	89	604.085.00
8,60	10,00	47	89	604.086.00
8,70	10,00	47	89	604.087.00
8,80	10,00	47	89	604.088.00
8,90	10,00	47	89	604.089.00
9,00	10,00	47	89	604.090.00
9,10	10,00	47	89	604.091.00
9,20	10,00	47	89	604.092.00
9,30	10,00	47	89	604.093.00
9,40	10,00	47	89	604.094.00
9,50	10,00	47	89	604.095.00
9,60	10,00	47	89	604.096.00
9,70	10,00	47	89	604.097.00
9,80	10,00	47	89	604.098.00
9,90	10,00	47	89	604.099.00

Artikel-Nr. **604...**

VHM – Spiralbohrer 4xD
Solid carbide drill

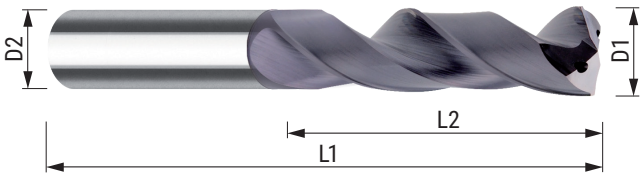
.00 HA Schaft/Shank
.10 HB Schaft/Shank
.20 HE Schaft/Shank



D1	D2	L2	L1	Artikel-Nr./ Article-No.
10,00	10,00	47	89	604.100.00
10,10	12,00	55	102	604.101.00
10,20	12,00	55	102	604.102.00
10,30	12,00	55	102	604.103.00
10,40	12,00	55	102	604.104.00
10,50	12,00	55	102	604.105.00
10,60	12,00	55	102	604.106.00
10,70	12,00	55	102	604.107.00
10,80	12,00	55	102	604.108.00
10,90	12,00	55	102	604.109.00
11,00	12,00	55	102	604.110.00
11,10	12,00	55	102	604.111.00
11,20	12,00	55	102	604.112.00
11,30	12,00	55	102	604.113.00
11,40	12,00	55	102	604.114.00
11,50	12,00	55	102	604.115.00
11,60	12,00	55	102	604.116.00
11,70	12,00	55	102	604.117.00
11,80	12,00	55	102	604.118.00
11,90	12,00	55	102	604.119.00
12,00	12,00	55	102	604.120.00
12,20	14,00	60	107	604.122.00
12,30	14,00	60	107	604.123.00
12,50	14,00	60	107	604.125.00
12,80	14,00	60	107	604.128.00
13,00	14,00	60	107	604.130.00
13,50	14,00	60	107	604.135.00
13,80	14,00	60	107	604.138.00
14,00	14,00	60	107	604.140.00
14,20	16,00	65	115	604.142.00
14,50	16,00	65	115	604.145.00
14,80	16,00	65	115	604.148.00
15,00	16,00	65	115	604.150.00
15,10	16,00	65	115	604.151.00
15,20	16,00	65	115	604.152.00
15,50	16,00	65	115	604.155.00
15,80	16,00	65	115	604.158.00
16,00	16,00	65	115	604.160.00
16,50	18,00	73	123	604.165.00
16,80	18,00	73	123	604.168.00
17,00	18,00	73	123	604.170.00
17,30	18,00	73	123	604.173.00
17,50	18,00	73	123	604.175.00
17,70	18,00	73	123	604.177.00
17,80	18,00	73	123	604.178.00

D1	D2	L2	L1	Artikel-Nr./ Article-No.
18,00	18,00	73	123	604.180.00
18,50	20,00	79	131	604.185.00
19,00	20,00	79	131	604.190.00
19,30	20,00	79	131	604.193.00
19,50	20,00	79	131	604.195.00
19,80	20,00	79	131	604.198.00
20,00	20,00	79	131	604.200.00

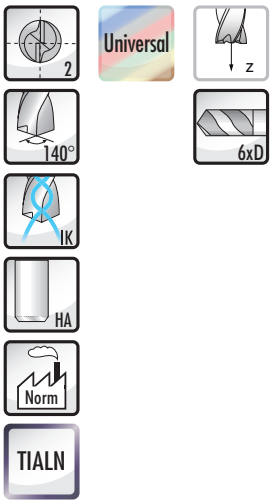
Artikel-Nr. **614...**



VHM – Spiralbohrer 6xD

Solid carbide drill

.00 HA Schaft/Shank
.10 HB Schaft/Shank
.20 HE Schaft/Shank



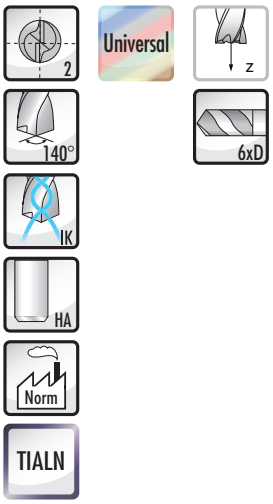
D1	D2	L2	L1	NL	Artikel-Nr./ Article-No.
1,00	3,00	10	55	6,50	614.010.00
1,10	3,00	12	55	9,50	614.011.00
1,20	3,00	12	55	9,50	614.012.00
1,30	3,00	12	55	9,50	614.013.00
1,40	3,00	12	55	9,50	614.014.00
1,50	3,00	12	55	9,50	614.015.00
1,60	3,00	16	55	13,00	614.016.00
1,70	3,00	16	55	13,00	614.017.00
1,80	3,00	16	55	13,00	614.018.00
1,90	3,00	16	55	13,00	614.019.00
2,00	3,00	16	57	13,00	614.020.00
2,10	3,00	21	57	21,00	614.021.00
2,20	3,00	21	57	21,00	614.022.00
2,30	3,00	21	57	21,00	614.023.00
2,40	3,00	21	57	21,00	614.024.00
2,50	3,00	21	57	21,00	614.025.00
2,60	3,00	21	57	21,00	614.026.00
2,70	3,00	21	57	21,00	614.027.00
2,80	3,00	21	57	21,00	614.028.00
2,90	3,00	21	57	21,00	614.029.00
3,00	6,00	28	66	23,00	614.030.00
3,10	6,00	28	66	23,00	614.031.00
3,20	6,00	28	66	23,00	614.032.00
3,30	6,00	28	66	23,00	614.033.00
3,40	6,00	28	66	23,00	614.034.00
3,50	6,00	28	66	23,00	614.035.00
3,60	6,00	28	66	23,00	614.036.00
3,65	6,00	28	66	23,00	614.365.00
3,70	6,00	28	66	23,00	614.037.00
3,80	6,00	36	74	29,00	614.038.00
3,90	6,00	36	74	29,00	614.039.00
4,00	6,00	36	74	29,00	614.040.00
4,10	6,00	36	74	29,00	614.041.00
4,20	6,00	36	74	29,00	614.042.00
4,30	6,00	36	74	29,00	614.043.00
4,40	6,00	36	74	29,00	614.044.00
4,50	6,00	36	74	29,00	614.045.00
4,60	6,00	36	74	29,00	614.046.00
4,65	6,00	36	74	29,00	614.465.00
4,70	6,00	36	74	29,00	614.047.00
4,80	6,00	44	82	35,00	614.048.00
4,90	6,00	44	82	35,00	614.049.00

D1	D2	L2	L1	NL	Artikel-Nr./ Article-No.
5,00	6,00	44	82	35,00	614.050.00
5,10	6,00	44	82	35,00	614.051.00
5,20	6,00	44	82	35,00	614.052.00
5,30	6,00	44	82	35,00	614.053.00
5,40	6,00	44	82	35,00	614.054.00
5,50	6,00	44	82	35,00	614.055.00
5,55	6,00	44	82	35,00	614.555.00
5,60	6,00	44	82	35,00	614.056.00
5,70	6,00	44	82	35,00	614.057.00
5,80	6,00	44	82	35,00	614.058.00
5,90	6,00	44	82	35,00	614.059.00
6,00	6,00	44	82	35,00	614.060.00
6,10	8,00	53	91	43,00	614.061.00
6,20	8,00	53	91	43,00	614.062.00
6,30	8,00	53	91	43,00	614.063.00
6,40	8,00	53	91	43,00	614.064.00
6,50	8,00	53	91	43,00	614.065.00
6,60	8,00	53	91	43,00	614.066.00
6,70	8,00	53	91	43,00	614.067.00
6,80	8,00	53	91	43,00	614.068.00
6,90	8,00	53	91	43,00	614.069.00
7,00	8,00	53	91	43,00	614.070.00
7,10	8,00	53	91	43,00	614.071.00
7,20	8,00	53	91	43,00	614.072.00
7,30	8,00	53	91	43,00	614.073.00
7,40	8,00	53	91	43,00	614.074.00
7,50	8,00	53	91	43,00	614.075.00
7,60	8,00	53	91	43,00	614.076.00
7,70	8,00	53	91	43,00	614.077.00
7,80	8,00	53	91	43,00	614.078.00
7,90	8,00	53	91	43,00	614.079.00

Artikel-Nr. **614...**

VHM – Spiralbohrer 6xD
Solid carbide drill

.00 HA Schaft/Shank
.10 HB Schaft/Shank
.20 HE Schaft/Shank



D1	D2	L2	L1	NL	Artikel-Nr./ Article-No.
8,00	8,00	53	91	43,00	614.080.00
8,10	10,00	61	103	49,00	614.081.00
8,20	10,00	61	103	49,00	614.082.00
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8,40	10,00	61	103	49,00	614.084.00
8,50	10,00	61	103	49,00	614.085.00
8,60	10,00	61	103	49,00	614.086.00
8,70	10,00	61	103	49,00	614.087.00
8,80	10,00	61	103	49,00	614.088.00
8,90	10,00	61	103	49,00	614.089.00
9,00	10,00	61	103	49,00	614.090.00
9,10	10,00	61	103	49,00	614.091.00
9,20	10,00	61	103	49,00	614.092.00
9,30	10,00	61	103	49,00	614.093.00
9,40	10,00	61	103	49,00	614.094.00
9,50	10,00	61	103	49,00	614.095.00
9,55	10,00	61	103	49,00	614.955.00
9,60	10,00	61	103	49,00	614.096.00
9,70	10,00	61	103	49,00	614.097.00
9,80	10,00	61	103	49,00	614.098.00
9,90	10,00	61	103	49,00	614.099.00
10,00	10,00	61	103	49,00	614.100.00
10,10	12,00	71	118	56,00	614.101.00
10,20	12,00	71	118	56,00	614.102.00
10,30	12,00	71	118	56,00	614.103.00
10,40	12,00	71	118	56,00	614.104.00
10,50	12,00	71	118	56,00	614.105.00
10,60	12,00	71	118	56,00	614.106.00
10,70	12,00	71	118	56,00	614.107.00
10,80	12,00	71	118	56,00	614.108.00
10,90	12,00	71	118	56,00	614.109.00
11,00	12,00	71	118	56,00	614.110.00
11,10	12,00	71	118	56,00	614.111.00
11,20	12,00	71	118	56,00	614.112.00
11,30	12,00	71	118	56,00	614.113.00
11,40	12,00	71	118	56,00	614.114.00
11,50	12,00	71	118	56,00	614.115.00
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11,60	12,00	71	118	56,00	614.116.00
11,70	12,00	71	118	56,00	614.117.00
11,80	12,00	71	118	56,00	614.118.00
11,90	12,00	71	118	56,00	614.119.00
12,00	12,00	71	118	56,00	614.120.00
12,20	14,00	77	124	60,00	614.122.00
12,30	14,00	77	124	60,00	614.123.00
12,50	14,00	77	124	60,00	614.125.00
12,80	14,00	77	124	60,00	614.128.00

D1	D2	L2	L1	NL	Artikel-Nr./ Article-No.
13,00	14,00	77	124	60,00	614.130.00
13,50	14,00	77	124	60,00	614.135.00
13,80	14,00	77	124	60,00	614.138.00
14,00	14,00	77	124	60,00	614.140.00
14,50	16,00	83	133	63,00	614.145.00
14,80	16,00	83	133	63,00	614.148.00
15,00	16,00	83	133	63,00	614.150.00
15,50	16,00	83	133	63,00	614.155.00
15,80	16,00	83	133	63,00	614.158.00
16,00	16,00	83	133	63,00	614.160.00
16,50	18,00	93	143	71,00	614.165.00
16,80	18,00	93	143	71,00	614.168.00
17,00	18,00	93	143	71,00	614.170.00
17,50	18,00	93	143	71,00	614.175.00
17,80	18,00	93	143	71,00	614.178.00
18,00	18,00	93	143	71,00	614.180.00
18,50	20,00	101	153	77,00	614.185.00
19,00	20,00	101	153	77,00	614.190.00
19,50	20,00	101	153	77,00	614.195.00
20,00	20,00	101	153	77,00	614.200.00

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