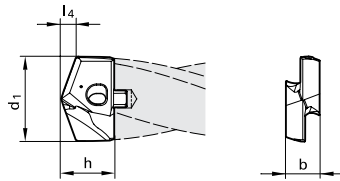




Guhring no.	4112	4115
	Guhring std.	Guhring std.
Standard		
Tool material	Solid carbide	Solid carbide
Application	Steel	Stainless Steel
Surface finish	F	a
Tolerance	m7	m7
Point angle	140°	140°



Code no.	for drill.	for pilot.	d1	l4	b	h	AVAILABILITY	
	holder size	holder size						
11,000	110	110	11.00	2.10	4.50	7.50	•	•
11,200	110	110	11.20	2.10	4.50	7.50	•	○
11,500	115	110	11.50	2.10	4.50	7.50	•	•
11,510	115	110	11.51	2.10	4.50	7.50	○	○
11,700	115	110	11.70	2.10	4.50	7.50	○	○
11,800	115	110	11.80	2.10	4.50	7.50	•	○
11,910	115	110	11.91	2.20	4.50	7.50	•	○
12,000	120	120	12.00	2.20	5.00	7.70	•	•
12,100	120	120	12.10	2.20	5.00	7.70	○	○
12,200	120	120	12.20	2.20	5.00	7.70	•	○
12,300	120	120	12.30	2.20	5.00	7.70	○	○
12,500	125	120	12.50	2.30	5.00	7.70	•	•
12,600	125	120	12.60	2.30	5.00	7.70	○	○
12,700	125	120	12.70	2.30	5.00	7.70	•	○
12,800	125	120	12.80	2.30	5.00	7.70	•	○
12,900	125	120	12.90	2.30	5.00	7.70	○	○
13,000	130	130	13.00	2.40	5.50	8.50	•	•
13,100	130	130	13.10	2.40	5.50	8.50	•	○
13,490	130	130	13.49	2.40	5.50	8.50	○	○
13,500	140	130	13.50	2.40	5.50	8.50	•	•
13,600	140	130	13.60	2.40	5.50	8.50	○	○
13,700	140	130	13.70	2.40	5.50	8.50	○	○
13,800	140	130	13.80	2.50	5.50	8.50	•	○
13,890	140	130	13.89	2.50	5.50	8.50	○	○
14,000	140	140	14.00	2.50	6.00	9.60	•	•
14,100	140	140	14.10	2.50	6.00	9.60	○	○
14,290	140	140	14.29	2.60	6.00	9.60	○	○
14,400	140	140	14.40	2.60	6.00	9.60	○	○
14,500	140	140	14.50	2.60	6.00	9.60	•	•
14,600	145	140	14.60	2.70	6.00	9.60	○	•
14,680	145	140	14.68	2.70	6.00	9.60	○	○
14,700	145	140	14.70	2.70	6.00	9.60	○	•
14,800	145	140	14.80	2.70	6.00	9.60	•	○
15,000	150	140	15.00	2.70	6.00	9.80	•	•
15,080	150	140	15.08	2.70	6.00	9.80	○	○
15,100	150	140	15.10	2.70	6.00	9.80	•	○
15,200	150	140	15.20	2.80	6.00	9.80	•	○
15,300	150	140	15.30	2.80	6.00	9.80	○	○
15,480	150	140	15.48	2.80	6.00	9.80	○	○

• Australian stock item ○ German stock item



INTERCHANGEABLE INSERTS HT 800

DRILLS

Guhring no.

4112

4115

Standard

Guhring std.

Guhring std.

Tool material

Solid carbide

Solid carbide

Application

Steel

Stainless Steel

Surface finish

F

a

Tolerance

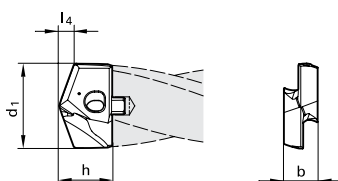
m7

m7

Point angle

140°

140°

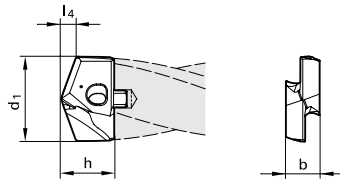


Code no.	for drill. holder size	for pilot. holder size	d1 mm	l4 mm	b mm	h mm	AVAILABILITY
15,500	155	140	15.50	2.80	6.00	9.80	• •
15,600	155	140	15.60	2.90	6.00	9.80	○ ○
15,700	155	140	15.70	2.90	6.00	9.80	○ ○
15,800	155	140	15.80	2.90	6.00	9.80	○ ○
15,870	155	140	15.87	2.90	6.00	9.80	• •
16,000	160	160	16.00	2.90	7.00	11.00	• •
16,270	160	160	16.27	3.00	7.00	11.00	○ ○
16,500	165	160	16.50	3.00	7.00	11.00	• •
16,670	165	160	16.67	3.00	7.00	11.00	○ •
17,000	170	160	17.00	3.10	7.00	11.00	• •
17,070	170	160	17.07	3.10	7.00	11.00	○ ○
17,460	170	160	17.46	3.10	7.00	11.00	○ ○
17,500	175	160	17.50	3.20	7.00	11.00	• •
17,600	175	160	17.60	3.20	7.00	11.00	• ○
17,860	175	160	17.86	3.30	7.00	11.00	○ •
18,000	180	180	18.00	3.30	8.00	12.60	• •
18,260	180	180	18.26	3.40	8.00	12.60	○ ○
18,500	185	180	18.50	3.40	8.00	12.60	• •
18,650	185	180	18.65	3.40	8.00	12.60	○ ○
19,000	190	180	19.00	3.50	8.00	12.60	• •
19,050	190	180	19.05	3.50	8.00	12.60	• •
19,250	190	180	19.25	3.60	8.00	12.60	• •
19,450	190	180	19.45	3.60	8.00	12.60	○ ○
19,500	195	180	19.50	3.60	8.00	12.60	• •
19,600	195	180	19.60	3.60	8.00	12.60	• ○
19,840	195	180	19.84	3.70	8.00	12.60	○ ○
20,000	200	180	20.00	3.70	9.00	13.90	• •
20,240	200	200	24.24	3.70	9.00	13.90	○ ○
20,500	205	200	20.50	3.80	9.00	13.90	• •
20,640	205	200	20.64	3.80	9.00	13.90	○ ○
21,000	210	200	21.00	3.90	9.00	13.90	• •
21,030	210	200	21.03	3.90	9.00	13.90	○ ○
21,100	210	200	21.10	3.90	9.00	13.90	○ ○
21,430	210	200	21.43	3.90	9.00	13.90	○ ○
21,500	215	200	21.50	4.00	9.00	13.90	• •
21,830	215	200	21.83	4.00	9.00	13.90	○ ○
22,000	220	220	22.00	4.10	10.00	15.30	• •
22,220	220	220	22.22	4.10	10.00	15.30	• •
22,500	225	220	22.50	4.10	10.00	15.30	• •

• Australian stock item ○ German stock item



Guhring no.	4112	4115
	Guhring std.	Guhring std.
Standard		
Tool material	Solid carbide	Solid carbide
Application	Steel	Stainless Steel
Surface finish	F	a
Tolerance	m7	m7
Point angle	140°	140°



Code no.	for drill.	for pilot.	d1	l4	b	h	AVAILABILITY	
	holder size	holder size						
22,620	225	220	22.62	4.20	10.00	15.30	○	○
23,000	230	220	23.00	4.20	10.00	15.30	●	●
23,020	230	220	23.02	4.20	10.00	15.30	○	○
23,420	230	220	23.42	4.30	10.00	15.30	○	○
23,500	235	220	23.50	4.30	10.00	15.30	●	●
23,810	235	220	23.81	4.40	10.00	15.30	○	○
24,000	240	240	24.00	4.40	11.00	15.80	●	●
24,100	240	240	24.10	4.40	11.00	15.80	○	○
24,210	240	240	24.21	4.50	11.00	15.80	○	○
24,500	245	240	24.50	4.50	11.00	15.80	●	●
24,610	245	240	24.61	4.50	11.00	15.80	○	○
25,000	250	240	25.00	4.60	11.00	15.80	●	●
25,400	250	240	25.40	4.70	11.00	15.80	●	●
25,500	255	240	25.50	4.70	11.00	15.80	○	○
25,670	255	240	25.67	4.70	11.00	15.80	○	○
25,700	255	240	25.70	4.70	11.00	15.80	○	○
25,810	255	240	25.81	4.70	11.00	15.80	○	○
26,000	260	260	26.00	4.80	12.00	20.00	●	●
26,190	260	260	26.19	4.80	12.00	20.00	○	○
26,500	260	260	26.50	4.90	12.00	20.00	○	○
26,590	260	260	26.59	4.90	12.00	20.00	○	○
27,000	270	260	27.00	5.00	12.00	20.00	●	●
27,500	270	260	27.50	5.10	12.00	20.00	○	○
27,700	270	260	27.70	5.10	12.00	20.00	○	○
27,780	270	260	27.78	5.10	12.00	20.00	○	○
28,000	280	280	28.00	5.10	13.00	20.70	●	●
28,180	280	280	28.18	5.20	13.00	20.70	○	○
28,500	280	280	28.50	5.20	13.00	20.70	○	○
28,580	280	280	28.58	5.30	13.00	20.70	○	○
29,000	290	280	29.00	5.30	13.00	20.70	●	○
29,370	290	280	29.37	5.40	13.00	20.70	○	●
29,500	290	280	29.50	5.40	13.00	20.70	○	●
29,770	290	280	29.77	5.50	13.00	20.70	○	○
30,000	300	300	30.00	5.50	14.00	22.30	●	●
30,160	300	300	30.16	5.50	14.00	22.30	○	○
30,500	300	300	30.50	5.60	14.00	22.30	○	○
30,960	300	300	30.96	5.70	14.00	22.30	○	○
31,000	310	300	31.00	5.70	14.00	22.30	●	○
31,500	310	300	31.50	5.80	14.00	22.30	●	○

● Australian stock item ○ German stock item



INTERCHANGEABLE INSERTS HT 800

DRILLS

Guhring no.

4112

4115

Standard

Guhring std.

Guhring std.

Tool material

Solid carbide

Solid carbide

Application

Steel

Stainless Steel

Surface finish

F

a

Tolerance

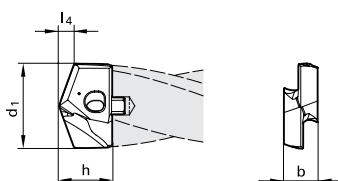
m7

m7

Point angle

140°

140°



Code no.	for drill. holder size	for pilot. holder size	d1 mm	l4 mm	b mm	h mm	AVAILABILITY
31,750	310	300	31.75	5.80	14.00	22.30	• ○
32,000	320	320	32.00	5.90	15.00	23.10	• •
32,500	320	320	32.50	6.00	15.00	23.10	○ ○
32,540	320	320	32.54	6.00	15.00	23.10	○ ○
32,940	320	320	34.94	6.00	15.00	23.10	○ ○
33,000	330	320	33.00	6.10	15.00	23.10	• ○
33,340	330	320	33.34	6.10	15.00	23.10	○ ○
33,500	330	320	33.50	6.10	15.00	23.10	○ ○
34,000	340	320	34.00	6.20	15.00	23.10	• •
34,130	340	320	34.13	6.30	15.00	23.10	○ ○
34,500	340	320	34.50	6.30	15.00	23.10	○ ○
34,930	340	320	34.93	6.40	15.00	23.10	○ ○
35,000	350	360	35.00	6.40	15.00	23.10	○ •
35,500	350	360	35.50	6.50	15.00	23.10	○ ○
35,720	350	360	35.72	6.50	15.00	23.10	○ ○
36,000	360	360	36.00	6.60	16.00	23.90	• •
36,500	360	360	36.50	6.70	16.00	23.90	○ ○
36,510	360	360	36.51	6.70	16.00	23.90	○ ○
37,000	370	360	37.00	6.80	16.00	23.90	○ •
37,310	370	360	37.31	6.80	16.00	23.90	○ ○
37,500	370	360	37.50	6.90	16.00	23.90	• ○
38,000	380	360	38.00	7.00	16.00	23.90	• ○
38,100	380	360	38.10	7.00	16.00	23.90	○ ○
38,460	380	360	38.46	7.00	16.00	23.90	○ ○
38,500	380	360	38.50	7.10	16.00	23.90	○ ○
39,000	390	360	39.00	7.10	16.00	23.90	○ ○
39,500	390	360	39.50	7.20	16.00	23.90	○ ○
40,000	390	360	40.00	7.30	16.00	23.90	• •
Heads for aluminium Cast Iron and 150° available							

• Australian stock item ○ German stock item

