

## VHM-Bohrer



Solid carbide drills



Punte elicoidali in metallo duro integrale



VHM-Bohrer  
Solid carbide drills  
Punte elicoidali in metallo duro integrale

**D** **Übersicht**  
VHM-Bohrer

**E** **Overview**  
Solid carbide drills

**I** **Sommario**  
Punte elicoidali in metallo duro integrale

**D** Die Schnittwerte für alle Werkzeuge entnehmen Sie bitte unserem separaten Zerspanungshandbuch.

**E** You will find the cutting conditions for all tools in our separate cutting manual.

**I** Per i parametri di lavorazione per tutti gli utensili richiedete il nostro manuale tecnico.

Spiralbohrer / Stub drills / Punte elicoidali















































Norm / Standard	DIN 6539		DIN 338	
Typ / Type / Tipo	N	N	N	N
Bohrtiefe / Depth of drilling / Profondità foro	3xd	3xd	5xd	5xd
Kühlkanäle / Coolant supply / Fori lubrificazione				
Beschichtung / Coating / Rivestimento		ALUNIT®		ALUNIT®
Spitzenwinkel / Lip angle / Angolo affilatura	118°	118°	118°	118°
Ø mm	0,5-20	0,5-14	1-16	1-16
Code / Codice	6146	6147	6156	6157
Seite / Page / Pagina	070	070	072	072

Geeignet für / Suitable for / Adatte per	DIN 6539 (N)	DIN 6539 (N)	DIN 338 (N)	DIN 338 (N)
 Stähle < 400 N/mm² Acciai < 400 N/mm²				
 Stähle < 850 N/mm² Acciai < 850 N/mm²				
 Stähle < 1.100 N/mm² Acciai < 1.100 N/mm²				
 Stähle < 1.300 N/mm² Acciai < 1.300 N/mm²				
 Stähle > 45 HRC Steels > 45 HRC Acciai > 45 HRC				
 Rostfreie Stähle < 850 N/mm² Stainless steels < 850 N/mm² Acciai inossidabili < 850 N/mm²				
 Rostfreie Stähle > 850 N/mm² Stainless steels > 850 N/mm² Acciai inossidabili > 850 N/mm²				
 Grauguss, Temperguss Cast iron, malleable cast iron Ghisa grigia, ghisa malleabile				
 Titan- und Titanlegierung Titanium and titanium alloys Titanio e leghe di Titanio				
 Kupfer, Messing Copper, brass Rame, ottone				
 Aluminium Aluminium Alluminio				
 Kunststoffe Plastics Materie plastiche				

**D** **Übersicht**  
VHM-Bohrer

**E** **Overview**  
Solid carbide drills

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Punte elicoidali in metallo duro integrale

Zentrierbohrer / Centre drills Punte a centrare	NC-Anbohrer / NC-Centre drills / Punte elicoidali NC		Kleinstbohrer / Mini drills Micropunte
			
DIN 333	WN		DIN 1899
RN, Form A			N
		ALUNIT*	
120° / 60°	90°	90°	130°
0,8-5	4-20	4-20	0,3-1,4
6525	6225	6227	6035
075	076	076	077
			
			
			
			
			
			
			
			
			
			



VHM-Bohrer  
Solid carbide drills  
Punte elicoidali in metallo duro integrale

**D** VHM-Spiralbohrer  
kurz, DIN 6539

**Einsatzbereich:**  
Besonders geeignet zum Bohren von hochfesten Stählen, Cr-Ni-Stählen, Hartguss, Grauguss, Stahlguss, Mn-Hartstahl, Bronze, Aluminium mit hohem Siliziumanteil und anderen schwer zerspanbaren Werkstoffen (beschichtete Ausführung).



**E** Solid carbide stub drills,  
short series, DIN 6539

**Range of application:**  
Especially suitable for drilling heat resistant steels, Cr-Ni steels, high carbon steel castings, grey cast iron, cast steels, manganese steels, bronze, aluminium with high percentage silicon and other difficult-to-machine materials (coated design).



**I** Punte elicoidali metallo duro integrale  
serie corta, DIN 6539

**Impiego:**  
Particolarmente adatte per foratura di acciai tenaci, acciai al Ni-Cr, ghisa conchigliata, ghisa grigia, acciaio fuso, acciai al manganese, bronzo, alluminio con elevato tenore di silicio, altri acciai di difficile lavorabilità (modello rivestito).



ALLUNIT®

Ø <sub>h7</sub> mm	l1 mm	l2 mm	Z	Code 6146 Art.-Nr.	Code 6147 Art.-Nr.
0,50	26	6	2	0 6146000501 00	0 6147000501 00
0,60	26	6	2	0 6146000601 00	0 6147000601 00
0,70	26	6	2	0 6146000701 00	0 6147000701 00
0,80	26	6	2	0 6146000801 00	0 6147000801 00
0,90	26	6	2	0 6146000901 00	0 6147000901 00
1,00	26	6	2	0 6146001001 00	0 6147001001 00
1,10	28	7	2	0 6146001101 00	0 6147001101 00
1,20	30	8	2	0 6146001201 00	0 6147001201 00
1,30	30	8	2	0 6146001301 00	0 6147001301 00
1,40	32	9	2	0 6146001401 00	0 6147001401 00
1,50	32	9	2	0 6146001501 00	0 6147001501 00
1,60	34	10	2	0 6146001601 00	0 6147001601 00
1,70	34	10	2	0 6146001701 00	0 6147001701 00
1,80	36	11	2	0 6146001801 00	0 6147001801 00
1,90	36	11	2	0 6146001901 00	0 6147001901 00
2,00	38	12	2	0 6146002001 00	0 6147002001 00
2,10	38	12	2	0 6146002101 00	0 6147002101 00
2,20	40	13	2	0 6146002201 00	0 6147002201 00
2,30	40	13	2	0 6146002301 00	0 6147002301 00
2,40	43	14	2	0 6146002401 00	0 6147002401 00
2,50	43	14	2	0 6146002501 00	0 6147002501 00
2,60	43	14	2	0 6146002601 00	0 6147002601 00
2,70	46	16	2	0 6146002701 00	0 6147002701 00
2,80	46	16	2	0 6146002801 00	0 6147002801 00
2,90	46	16	2	0 6146002901 00	0 6147002901 00
3,00	46	16	2	0 6146003001 00	0 6147003001 00
3,10	49	18	2	0 6146003101 00	0 6147003101 00
3,20	49	18	2	0 6146003201 00	0 6147003201 00
3,30	49	18	2	0 6146003301 00	0 6147003301 00
3,40	52	20	2	0 6146003401 00	0 6147003401 00
3,50	52	20	2	0 6146003501 00	0 6147003501 00
3,60	52	20	2	0 6146003601 00	0 6147003601 00
3,70	52	20	2	0 6146003701 00	0 6147003701 00
3,80	55	22	2	0 6146003801 00	0 6147003801 00

1) ≤ Ø 2,90 mm 4-Flächenanschliff / 4-faced point shape / affilatura a 4 spoglie  
≥ Ø 3,00 mm 6-Flächenanschliff / 6-faced point shape / affilatura a 6 spoglie

ALLUNIT®

Ø <sub>h7</sub> mm	l1 mm	l2 mm	Z	Code 6146 Art.-Nr.	Code 6147 Art.-Nr.
3,90	55	22	2	0 6146003901 00	0 6147003901 00
4,00	55	22	2	0 6146004001 00	0 6147004001 00
4,10	55	22	2	0 6146004101 00	0 6147004101 00
4,20	55	22	2	0 6146004201 00	0 6147004201 00
4,30	58	24	2	0 6146004301 00	0 6147004301 00
4,40	58	24	2	0 6146004401 00	0 6147004401 00
4,50	58	24	2	0 6146004501 00	0 6147004501 00
4,60	58	24	2	0 6146004601 00	0 6147004601 00
4,70	58	24	2	0 6146004701 00	0 6147004701 00
4,80	62	26	2	0 6146004801 00	0 6147004801 00
4,90	62	26	2	0 6146004901 00	0 6147004901 00
5,00	62	26	2	0 6146005001 00	0 6147005001 00
5,10	62	26	2	0 6146005101 00	0 6147005101 00
5,20	62	26	2	0 6146005201 00	0 6147005201 00
5,30	62	26	2	0 6146005301 00	0 6147005301 00
5,40	66	28	2	0 6146005401 00	0 6147005401 00
5,50	66	28	2	0 6146005501 00	0 6147005501 00
5,60	66	28	2	0 6146005601 00	0 6147005601 00
5,70	66	28	2	0 6146005701 00	0 6147005701 00
5,80	66	28	2	0 6146005801 00	0 6147005801 00
5,90	66	28	2	0 6146005901 00	0 6147005901 00
6,00	66	28	2	0 6146006001 00	0 6147006001 00
6,10	70	31	2	0 6146006101 00	0 6147006101 00
6,20	70	31	2	0 6146006201 00	0 6147006201 00
6,30	70	31	2	0 6146006301 00	0 6147006301 00
6,40	70	31	2	0 6146006401 00	0 6147006401 00
6,50	70	31	2	0 6146006501 00	0 6147006501 00
6,60	70	31	2	0 6146006601 00	0 6147006601 00
6,70	70	31	2	0 6146006701 00	0 6147006701 00
6,80	74	34	2	0 6146006801 00	0 6147006801 00
6,90	74	34	2	0 6146006901 00	0 6147006901 00
7,00	74	34	2	0 6146007001 00	0 6147007001 00
7,10	74	34	2	0 6146007101 00	0 6147007101 00
7,20	74	34	2	0 6146007201 00	0 6147007201 00
7,30	74	34	2	0 6146007301 00	0 6147007301 00
7,40	74	34	2	0 6146007401 00	0 6147007401 00
7,50	74	34	2	0 6146007501 00	0 6147007501 00
7,60	79	36	2	0 6146007601 00	0 6147007601 00
7,70	79	36	2	0 6146007701 00	0 6147007701 00
7,80	79	36	2	0 6146007801 00	0 6147007801 00
7,90	79	36	2	0 6146007901 00	0 6147007901 00
8,00	79	36	2	0 6146008001 00	0 6147008001 00
8,10	79	36	2	0 6146008101 00	0 6147008101 00
8,20	79	36	2	0 6146008201 00	0 6147008201 00
8,30	79	36	2	0 6146008301 00	0 6147008301 00
8,40	79	36	2	0 6146008401 00	0 6147008401 00
8,50	79	36	2	0 6146008501 00	0 6147008501 00
8,60	84	40	2	0 6146008601 00	0 6147008601 00
8,70	84	40	2	0 6146008701 00	0 6147008701 00
8,80	84	40	2	0 6146008801 00	0 6147008801 00
8,90	84	40	2	0 6146008901 00	0 6147008901 00
9,00	84	40	2	0 6146009001 00	0 6147009001 00
9,10	84	40	2	0 6146009101 00	0 6147009101 00
9,20	84	40	2	0 6146009201 00	0 6147009201 00
9,30	84	40	2	0 6146009301 00	0 6147009301 00
9,40	84	40	2	0 6146009401 00	0 6147009401 00
9,50	84	40	2	0 6146009501 00	0 6147009501 00
9,60	89	43	2	0 6146009601 00	0 6147009601 00
9,70	89	43	2	0 6146009701 00	0 6147009701 00
9,80	89	43	2	0 6146009801 00	0 6147009801 00



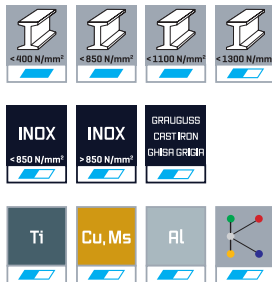
VHM-Bohrer  
Solidi carbide drills  
Punte elicoidali in metallo duro integrale

ALLUNIT®

Ø <sub>H7</sub> mm	l1 mm	l2 mm	Z	Code 6146 Art.-Nr.	Code 6147 Art.-Nr.
9,90	89	43	2	0 6146009901 00	0 6147009901 00
10,00	89	43	2	0 6146010001 00	0 6147010001 00
10,20	89	43	2	0 6146010201 00	0 6147010201 00
10,50	89	43	2	0 6146010501 00	0 6147010501 00
10,80	95	47	2	0 6146010801 00	0 6147010801 00
11,00	95	47	2	0 6146011001 00	0 6147011001 00
11,50	95	47	2	0 6146011501 00	0 6147011501 00
12,00	102	51	2	0 6146012001 00	0 6147012001 00
12,50	102	51	2	0 6146012501 00	0 6147012501 00
13,00	102	51	2	0 6146013001 00	0 6147013001 00
13,50	107	54	2	0 6146013501 00	0 6147013501 00
14,00	107	54	2	0 6146014001 00	0 6147014001 00
14,50	111	56	2	0 6146014501 00	
15,00	111	56	2	0 6146015001 00	
15,50	115	58	2	0 6146015501 00	
16,00	115	58	2	0 6146016001 00	
16,50	119	60	2	0 6146016501 00	
17,00	119	60	2	0 6146017001 00	
17,50	123	62	2	0 6146017501 00	
18,00	123	62	2	0 6146018001 00	
18,50	127	64	2	0 6146018501 00	
19,00	127	64	2	0 6146019001 00	
19,50	131	66	2	0 6146019501 00	
20,00	131	66	2	0 6146020001 00	

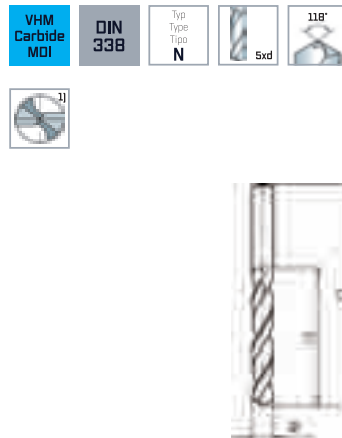
**D** VHM-Spiralbohrer  
lang, DIN 338

**Einsatzbereich:**  
Besonders geeignet zum Bohren von hochfesten Stählen, Cr-Ni-Stählen, Hartguss, Grauguss, Stahlguss, Mn-Hartstahl, Bronze, Aluminium mit hohem Siliziumanteil und anderen schwer zerspanbaren Werkstoffen [beschichtete Ausführung].



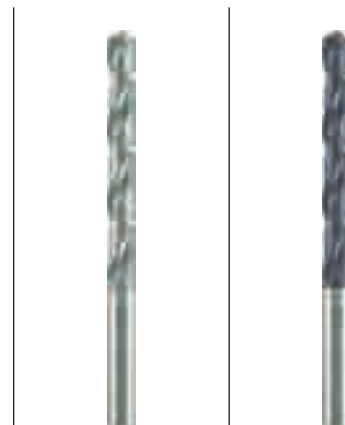
**E** Solid carbide  
jobber drills  
long series, DIN 338

**Range of application:**  
Especially suitable for drilling heat resistant steels, Cr-Ni steels, high carbon steel castings, grey cast iron, cast steels, manganese steels, bronze, aluminium with high percentage silicon and other difficult-to-machine materials [coated design].



**I** Punte elicoidali metallo  
duro integrale  
serie lunga, DIN 338

**Impiego:**  
Particolarmente adatte per foratura di acciai tenaci, acciai al Ni-Cr, ghisa conchigliata, ghisa grigia, acciaio fuso, acciai al manganese, bronzo, alluminio con elevato tenore di silicio, altri acciai di difficile lavorabilità [modello rivestito].



ALLUNIT®

$\emptyset_{h7}$ mm	l1 mm	l2 mm	Z	Code 6156 Art.-Nr.	Code 6157 Art.-Nr.
1,00	34	12	2	0 6156001001 00	0 6157001001 00
1,10	36	14	2	0 6156001101 00	0 6157001101 00
1,20	38	16	2	0 6156001201 00	0 6157001201 00
1,30	38	16	2	0 6156001301 00	0 6157001301 00
1,40	40	18	2	0 6156001401 00	0 6157001401 00
1,50	40	18	2	0 6156001501 00	0 6157001501 00
1,60	43	20	2	0 6156001601 00	0 6157001601 00
1,70	43	20	2	0 6156001701 00	0 6157001701 00
1,80	46	22	2	0 6156001801 00	0 6157001801 00
1,90	46	22	2	0 6156001901 00	0 6157001901 00
2,00	49	24	2	0 6156002001 00	0 6157002001 00
2,10	49	24	2	0 6156002101 00	0 6157002101 00
2,20	53	27	2	0 6156002201 00	0 6157002201 00
2,30	53	27	2	0 6156002301 00	0 6157002301 00
2,40	57	30	2	0 6156002401 00	0 6157002401 00
2,50	57	30	2	0 6156002501 00	0 6157002501 00
2,60	57	30	2	0 6156002601 00	0 6157002601 00
2,70	61	33	2	0 6156002701 00	0 6157002701 00
2,80	61	33	2	0 6156002801 00	0 6157002801 00
2,90	61	33	2	0 6156002901 00	0 6157002901 00
3,00	61	33	2	0 6156003001 00	0 6157003001 00
3,10	65	36	2	0 6156003101 00	0 6157003101 00
3,20	65	36	2	0 6156003201 00	0 6157003201 00
3,30	65	36	2	0 6156003301 00	0 6157003301 00
3,40	70	39	2	0 6156003401 00	0 6157003401 00
3,50	70	39	2	0 6156003501 00	0 6157003501 00
3,60	70	39	2	0 6156003601 00	0 6157003601 00
3,70	70	39	2	0 6156003701 00	0 6157003701 00
3,80	75	43	2	0 6156003801 00	0 6157003801 00
3,90	75	43	2	0 6156003901 00	0 6157003901 00
4,00	75	43	2	0 6156004001 00	0 6157004001 00
4,10	75	43	2	0 6156004101 00	0 6157004101 00
4,20	75	43	2	0 6156004201 00	0 6157004201 00
4,30	80	47	2	0 6156004301 00	0 6157004301 00
4,40	80	47	2	0 6156004401 00	0 6157004401 00
4,50	80	47	2	0 6156004501 00	0 6157004501 00
4,60	80	47	2	0 6156004601 00	0 6157004601 00
4,70	80	47	2	0 6156004701 00	0 6157004701 00
4,80	86	52	2	0 6156004801 00	0 6157004801 00
4,90	86	52	2	0 6156004901 00	0 6157004901 00
5,00	86	52	2	0 6156005001 00	0 6157005001 00
5,10	86	52	2	0 6156005101 00	0 6157005101 00
5,20	86	52	2	0 6156005201 00	0 6157005201 00
5,30	86	52	2	0 6156005301 00	0 6157005301 00
5,40	93	57	2	0 6156005401 00	0 6157005401 00
5,50	93	57	2	0 6156005501 00	0 6157005501 00
5,60	93	57	2	0 6156005601 00	0 6157005601 00
5,70	93	57	2	0 6156005701 00	0 6157005701 00
5,80	93	57	2	0 6156005801 00	0 6157005801 00
5,90	93	57	2	0 6156005901 00	0 6157005901 00
6,00	93	57	2	0 6156006001 00	0 6157006001 00
6,10	101	63	2	0 6156006101 00	0 6157006101 00
6,20	101	63	2	0 6156006201 00	0 6157006201 00
6,30	101	63	2	0 6156006301 00	0 6157006301 00
6,40	101	63	2	0 6156006401 00	0 6157006401 00
6,50	101	63	2	0 6156006501 00	0 6157006501 00
6,60	101	63	2	0 6156006601 00	0 6157006601 00
6,70	101	63	2	0 6156006701 00	0 6157006701 00
6,80	109	69	2	0 6156006801 00	0 6157006801 00
6,90	109	69	2	0 6156006901 00	0 6157006901 00

1]  $\leq \emptyset 2,90$  mm 4-Flächenanschliff / 4-faced point shape / affilatura a 4 spoglie  
 $\geq \emptyset 3,00$  mm 6-Flächenanschliff / 6-faced point shape / affilatura a 6 spoglie

Fortsetzung / Continuation / Continuazione ▶



VHM-Bohrer  
 Solid carbide drills  
 Punte elicoidali in metallo duro integrale

ALLUNIT®

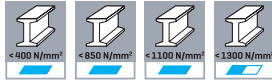
Ø <sub>R7</sub> mm	l1 mm	l2 mm	Z	Code 6156 Art.-Nr.	Code 6157 Art.-Nr.
7,00	109	69	2	0 6156007001 00	0 6157007001 00
7,10	109	69	2	0 6156007101 00	0 6157007101 00
7,20	109	69	2	0 6156007201 00	0 6157007201 00
7,30	109	69	2	0 6156007301 00	0 6157007301 00
7,40	109	69	2	0 6156007401 00	0 6157007401 00
7,50	109	69	2	0 6156007501 00	0 6157007501 00
7,60	117	75	2	0 6156007601 00	0 6157007601 00
7,70	117	75	2	0 6156007701 00	0 6157007701 00
7,80	117	75	2	0 6156007801 00	0 6157007801 00
7,90	117	75	2	0 6156007901 00	0 6157007901 00
8,00	117	75	2	0 6156008001 00	0 6157008001 00
8,10	117	75	2	0 6156008101 00	0 6157008101 00
8,20	117	75	2	0 6156008201 00	0 6157008201 00
8,30	117	75	2	0 6156008301 00	0 6157008301 00
8,40	117	75	2	0 6156008401 00	0 6157008401 00
8,50	117	75	2	0 6156008501 00	0 6157008501 00
8,60	125	81	2	0 6156008601 00	0 6157008601 00
8,70	125	81	2	0 6156008701 00	0 6157008701 00
8,80	125	81	2	0 6156008801 00	0 6157008801 00
8,90	125	81	2	0 6156008901 00	0 6157008901 00
9,00	125	81	2	0 6156009001 00	0 6157009001 00
9,10	125	81	2	0 6156009101 00	0 6157009101 00
9,20	125	81	2	0 6156009201 00	0 6157009201 00
9,30	125	81	2	0 6156009301 00	0 6157009301 00
9,40	125	81	2	0 6156009401 00	0 6157009401 00
9,50	125	81	2	0 6156009501 00	0 6157009501 00
9,60	133	87	2	0 6156009601 00	0 6157009601 00
9,70	133	87	2	0 6156009701 00	0 6157009701 00
9,80	133	87	2	0 6156009801 00	0 6157009801 00
9,90	133	87	2	0 6156009901 00	0 6157009901 00
10,00	133	87	2	0 6156010001 00	0 6157010001 00
10,20	133	87	2	0 6156010201 00	0 6157010201 00
10,50	133	87	2	0 6156010501 00	0 6157010501 00
10,80	142	94	2	0 6156010801 00	0 6157010801 00
11,00	142	94	2	0 6156011001 00	0 6157011001 00
11,50	142	94	2	0 6156011501 00	0 6157011501 00
12,00	151	101	2	0 6156012001 00	0 6157012001 00
12,50	151	101	2	0 6156012501 00	0 6157012501 00
13,00	151	101	2	0 6156013001 00	0 6157013001 00
13,50	160	108	2	0 6156013501 00	0 6157013501 00
14,00	160	108	2	0 6156014001 00	0 6157014001 00
14,50	169	114	2	0 6156014501 00	0 6157014501 00
15,00	169	114	2	0 6156015001 00	0 6157015001 00
15,50	178	120	2	0 6156015501 00	0 6157015501 00
16,00	178	120	2	0 6156016001 00	0 6157016001 00



**D** **VHM-Zentrierbohrer**  
DIN 333

**Einsatzbereich:**

Zentrierbohrer zum Herstellen von Zentrierbohrungen nach DIN 332 Blatt 1, Form A [ohne Schutzsenkung].



**E** **Solid carbide centre drills**  
DIN 333

**Range of application:**

Centre-drills for the production of centre-holes according to DIN 332 sheet 1, form A [without protective chamfer].



**I** **Punte a centrare metallo duro integrale**  
DIN 333

**Impiego:**

Esecuzione fori di centraggio secondo DIN 332 part 1. Forma A [Senza smusso di protezione].



d1 <sub>k13</sub> mm	d2 <sub>h7</sub> mm	l1 mm	Ø <sup>1)</sup>	Code 6525 Art.-Nr.
0,80	3,15	25	4-6	0 6525000801 00
1,00	3,15	31,5	4-8	0 6525001001 00
1,25	3,15	31,5	8-10	0 6525001201 00
1,60	4	35,5	10-15	0 6525001601 00
2,00	5	40	15-20	0 6525002001 00
2,50	6,3	45	20-30	0 6525002501 00
3,15	8	50	30-40	0 6525003101 00
4,00	10	56	40-63	0 6525004001 00
5,00	12,5	63	63-100	0 6525005001 00

1) Ø für Werkstück / workpiece / utensile



VHM-Bohrer  
Solid carbide drills  
Punte elicoidali in metallo duro integrale

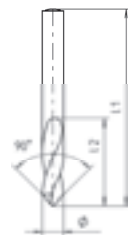
**D** VHM-NC-Anbohrer  
90°

**Einsatzbereich:**  
Spezialbohrer für besonders genaues und schnelles Anbohren auf NC-Maschinen, Lehrenbohrwerken usw. Zum Zentrieren und Anfasen von Gewindebohrungen.



**E** Solid carbide  
NC-Centre drills  
90°

**Range of application:**  
Special drills of highest efficiency for more precise and faster drilling-work on NC-machines, boring tools etc. Designed for centering and chamfering of center-holes.



**I** Punte elicoidali NC  
metallo duro integrale  
angolo 90°

**Impiego:**  
Punte speciali per l'esecuzione di fori di centraggio particolarmente esatti su macchina NC, forature per calibri, ecc. Per centratura e smusso di fori per maschiatura.



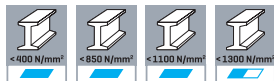
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Ø <sub>H6</sub> mm	l1 mm	l2 mm	Code 6225 Art.-Nr.	Code 6227 Art.-Nr.
4,00	55	12	0 6225004001 00	0 6227004001 00
5,00	62	14	0 6225005001 00	0 6227005001 00
6,00	66	16	0 6225006001 00	0 6227006001 00
8,00	79	21	0 6225008001 00	0 6227008001 00
10,00	89	25	0 6225010001 00	0 6227010001 00
12,00	102	30	0 6225012001 00	0 6227012001 00
16,00	115	37,5	0 6225016001 00	0 6227016001 00
20,00	131	45	0 6225020001 00	0 6227020001 00

**D** **VHM-Kleinstbohrer**  
mit zylindrischem schaft,  
DIN 1899

**Einsatzbereich:**

Besonders geeignet zum Bohren von hochfesten Stählen, Cr-Ni-Stählen, Hartguss, Grauguss, Stahlguss, Mn-Hartstahl, Bronze, Aluminium mit hohem Siliziumanteil und anderen schwer zerspanbaren Werkstoffen.



**E** **Solid carbide mini drills**  
with cylindrical shank,  
DIN 1899

**Range of application:**

Especially suitable for drilling heat resistant steels, Cr-Ni steels, high carbon steel castings, grey cast iron, cast steels, manganese steels, bronze, aluminium with high percentage silicon and other difficult-to-machine materials.



**I** **Micropunte metallo duro integrale**  
codolo cilindrico, DIN 1899

**Impiego:**

Particolarmente adatte per foratura di acciai tenaci, acciai al Ni-Cr, ghisa conchigliata, ghisa grigia, acciaio fuso, acciai al manganese, bronzo, alluminio con elevato tenore di silicio, altri acciai di difficile lavorabilità.



d1 <sub>h7</sub> mm	d2 <sub>h6</sub> mm	l1 mm	l2 mm	Z	Code 6035 Art.-Nr.
0,30	1,00	25	2,2	2	0 6035000301 00
0,35	1,00	25	2,8	2	0 6035000351 00
0,40	1,00	25	3,6	2	0 6035000401 00
0,45	1,00	25	3,6	2	0 6035000451 00
0,50	1,00	25	4,0	2	0 6035000501 00
0,55	1,00	25	4,5	2	0 6035000551 00
0,60	1,00	25	4,5	2	0 6035000601 00
0,65	1,00	25	5,0	2	0 6035000651 00
0,70	1,00	25	5,6	2	0 6035000701 00
0,75	1,00	25	5,6	2	0 6035000751 00
0,80	1,50	25	6,3	2	0 6035000801 00
0,85	1,50	25	6,3	2	0 6035000851 00
0,90	1,50	25	7,1	2	0 6035000901 00
0,95	1,50	25	7,1	2	0 6035000951 00
1,00	1,50	25	8,0	2	0 6035001001 00
1,05	1,50	25	8,0	2	0 6035001051 00
1,10	1,50	25	9,0	2	0 6035001101 00
1,15	1,50	25	9,0	2	0 6035001151 00
1,20	1,50	25	10,0	2	0 6035001201 00
1,25	1,50	25	10,0	2	0 6035001251 00
1,30	1,50	25	10,0	2	0 6035001301 00
1,35	1,50	25	11,2	2	0 6035001351 00
1,40	1,50	25	11,2	2	0 6035001401 00

Hinweis: 4-Flächenanschliff / Remark: 4-faced point shape / Att: 4 spoglie

VHM-Bohrer  
Solid carbide drills  
Punte elicoidali in metallo duro integrale

