

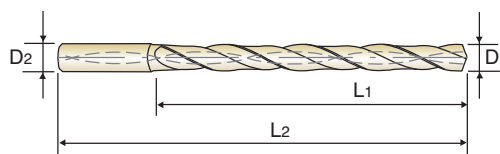


**DREAM DRILLS  
-INOX**

**DH453 SERIES**

**CARBIDE, DREAM DRILLS - INOX with COOLANT HOLES EXTRA LONG**  
**VOLLHARTMETALL DREAM SPIRALBOHRER - INOX mit KÜHLKANAL ÜBERLANG**

- ▶ Narzędzie posiada specjalny kształt rowka wiórowego oraz geometrię ostrza odpowiednie do obróbki stali nierdzewnych
- ▶ Doskonała ewakuacja wiórów dzięki lepszej obróbce powierzchniowej
- ▶ Pocienienie na ścinie wiertła zapewnia doskonałe centrowanie i zwijanie wiórów.
- ▶ Zastosowana powłoka TiAlN zapewnia uzyskanie gładziej powierzchni obrabianych materiałów oraz zwiększa trwałość narzędzia.



DIN 6537 MG h6 m7 140° P.84

8 × D

Unit : mm

EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length	EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAlN	D1	D2	L1	L2	TiAlN	D1	D2	L1	L2
DH453030	3.0	6	34	72	DH453057	5.7	6	57	95
DH453031	3.1	6	34	72	DH453058	5.8	6	57	95
DH453032	3.2	6	34	72	DH453059	5.9	6	57	95
DH453033	3.3	6	34	72	DH453060	6.0	6	57	95
DH453034	3.4	6	34	72	DH453061	6.1	8	76	114
DH453035	3.5	6	34	72	DH453062	6.2	8	76	114
DH453036	3.6	6	34	72	DH453063	6.3	8	76	114
DH453037	3.7	6	34	72	DH453064	6.4	8	76	114
DH453038	3.8	6	43	81	DH453065	6.5	8	76	114
DH453039	3.9	6	43	81	DH453066	6.6	8	76	114
DH453040	4.0	6	43	81	DH453067	6.7	8	76	114
DH453041	4.1	6	43	81	DH453068	6.8	8	76	114
DH453042	4.2	6	43	81	DH453069	6.9	8	76	114
DH453043	4.3	6	43	81	DH453070	7.0	8	76	114
DH453044	4.4	6	43	81	DH453071	7.1	8	76	114
DH453045	4.5	6	43	81	DH453072	7.2	8	76	114
DH453046	4.6	6	43	81	DH453073	7.3	8	76	114
DH453047	4.7	6	43	81	DH453074	7.4	8	76	114
DH453048	4.8	6	57	95	DH453075	7.5	8	76	114
DH453049	4.9	6	57	95	DH453076	7.6	8	76	114
DH453050	5.0	6	57	95	DH453077	7.7	8	76	114
DH453051	5.1	6	57	95	DH453078	7.8	8	76	114
DH453052	5.2	6	57	95	DH453079	7.9	8	76	114
DH453053	5.3	6	57	95	DH453080	8.0	8	76	114
DH453054	5.4	6	57	95	DH453081	8.1	10	95	142
DH453055	5.5	6	57	95	DH453082	8.2	10	95	142
DH453056	5.6	6	57	95	DH453083	8.3	10	95	142

▶ Other shank types are available on your request.

◎ : Excellent ○ : Good

Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Cast Iron	Aluminum	Stainless Steels	Titanium	Mild Steels	Copper	Bronze	CFRP
~HB225	HB225~325	HRc30~45	HRc45~55	HRc55~								
◎	◎	○				○	◎	○	○			



**DH453** SERIES

**CARBIDE, DREAM DRILLS - INOX with COOLANT HOLES** *EXTRA LONG*  
**VOLLHARTMETALL DREAM SPIRALBOHRER - INOX mit KÜHLKANAL** *ÜBERLANG*

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DIN 6537
MG
h6
m7
140°
P.84

8 × D

					Unit : mm				
EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length	EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAlN	D1	D2	L1	L2	TiAlN	D1	D2	L1	L2
DH453084	8.4	10	95	142	DH453105	10.5	12	114	162
DH453085	8.5	10	95	142	DH453106	10.6	12	114	162
DH453086	8.6	10	95	142	DH453107	10.7	12	114	162
DH453087	8.7	10	95	142	DH453108	10.8	12	114	162
DH453088	8.8	10	95	142	DH453109	10.9	12	114	162
DH453089	8.9	10	95	142	DH453110	11.0	12	114	162
DH453090	9.0	10	95	142	DH453111	11.1	12	114	162
DH453091	9.1	10	95	142	DH453112	11.2	12	114	162
DH453092	9.2	10	95	142	DH453113	11.3	12	114	162
DH453093	9.3	10	95	142	DH453114	11.4	12	114	162
DH453094	9.4	10	95	142	DH453115	11.5	12	114	162
DH453095	9.5	10	95	142	DH453116	11.6	12	114	162
DH453096	9.6	10	95	142	DH453117	11.7	12	114	162
DH453097	9.7	10	95	142	DH453118	11.8	12	114	162
DH453098	9.8	10	95	142	DH453119	11.9	12	114	162
DH453099	9.9	10	95	142	DH453120	12.0	12	114	162
DH453100	10.0	10	95	142	DH453125	12.5	14	133	178
DH453101	10.1	12	114	162	DH453130	13.0	14	133	178
DH453102	10.2	12	114	162	DH453135	13.5	14	133	178
DH453103	10.3	12	114	162	DH453140	14.0	14	133	178
DH453104	10.4	12	114	162					

▶ Other shank types are available on your request.

◎ : Excellent ○ : Good

Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Cast Iron	Aluminum	Stainless Steels	Titanium	Mild Steels	Copper	Bronze	CFRP
~HB225	HB225~325	HRc30~45	HRc45~55	HRc55~								
◎	◎	○				○	◎	○	○			

- HSS
- I-DREAM DRILLS
- DREAM DRILLS -GENERAL
- DREAM DRILLS -INOX
- DREAM DRILLS -ALU
- DREAM DRILLS -CFRP
- DREAM DRILLS -MQL TYPE
- DREAM DRILLS for HARDENED STEELS
- GENERAL CARBIDE DRILLS
- NC-SPOTTING DRILLS
- CENTER DRILLS
- MULTI-1 DRILLS
- HPD DRILLS
- GOLD-P DRILLS
- STRAIGHT SHANK DRILLS
- TAPER SHANK DRILLS
- NC-SPOTTING DRILLS
- CENTER DRILLS
- SPADE DRILLS
- TECHNICAL DATA



**DREAM DRILLS  
-INOX**

**RECOMMENDED CUTTING CONDITIONS  
EMPFOHLENE SCHNEIDKONDITIONEN**

**CARBIDE, DREAM DRILLS - INOX with COOLANT HOLES, TiAIN COATED  
VOLLHARTMETALL DREAM BOHRER - INOX mit KÜHLKANAL, TiAIN-BESCHICHTET**

**DH451, DH452, DH453 SERIES**

WORK MATERIAL	STAINLESS STEELS		STAINLESS STEELS		ALUMINUM		ALUMINUM		TITANIUM Ti ALLOYS		CARBON STEELS ALLOY STEELS		NON FRERROUS	
	< 800 N/mm <sup>2</sup>		> 800 N/mm <sup>2</sup>		< 10% Si		> 10% Si							
DRILLING SPEED	60 ~ 70 m/min		35 ~ 45 m/min		200 ~ 220 m/min		155 ~ 175 m/min		40 ~ 50 m/min		105 ~ 125 m/min		130 ~ 150 m/min	
DIAMETER	N	S	N	S	N	S	N	S	N	S	N	S	N	S
	1.0	12000	0.02	6200	0.02	48000	0.04	38000	0.03	8100	0.01	26000	0.02	38000
1.5	9000	0.03	5400	0.02	43000	0.05	32000	0.04	7500	0.01	18000	0.03	25500	0.03
2.5	7000	0.04	4200	0.03	25500	0.08	19500	0.06	4500	0.02	10800	0.05	15500	0.05
3.0	7400	0.04	4700	0.02	23000	0.12	18500	0.10	5300	0.03	13000	0.04	16000	0.08
4.0	5600	0.05	3600	0.03	17500	0.18	13900	0.15	4000	0.04	10000	0.05	11900	0.10
5.0	4400	0.05	2800	0.03	14000	0.20	11000	0.18	3200	0.05	8000	0.05	9500	0.12
6.0	3700	0.06	2400	0.04	11700	0.25	9300	0.25	2650	0.06	6600	0.06	8000	0.15
8.0	2800	0.08	1800	0.06	8800	0.30	7000	0.30	2000	0.07	5000	0.08	6000	0.18
10.0	2200	0.10	1400	0.08	7000	0.40	5600	0.35	1600	0.08	4000	0.10	4800	0.22
12.0	1900	0.12	1200	0.10	5800	0.50	4600	0.40	1300	0.10	3300	0.12	4000	0.26
14.0	1600	0.15	1000	0.12	5000	0.60	4000	0.50	1100	0.12	2800	0.15	3400	0.30
16.0	1400	0.20	900	0.15	4380	0.80	3500	0.60	1000	0.14	2500	0.20	3000	0.40
18.0	1250	0.22	800	0.17	3900	1.00	3100	0.70	900	0.16	2200	0.22	2650	0.45
20.0	1120	0.24	720	0.19	3500	1.20	2800	0.80	800	0.18	2000	0.24	2400	0.50

► Recommend to reduce the feed rate as following

**Feed 100%** : DH451(3xD), DH452(5XD)  
**Feed 85%** : DH453(8xD)

N = R.P.M  
 S = Feed per Revolution (mm/rev.)