CARBIDE, DREAM DRILLS - FLAT BOTTOM

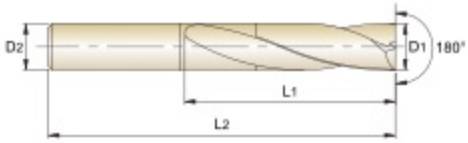
SHORT

VHM, DREAM DRILLS - FLACHBOHRER
DREAM DRILLS - FOND PLAT, FORET CARBURE MONOBLOC
PUNTE IN MD DREAM DRILLS, TESTA PIANA

KURZ
COURTE
CORTA

- For holes on various angled surfaces.
- 180 degree point angle enables drilling of flat, inclined and curved surfaces.
- Optimized flute shape for excellent chip evacuation.
- High strength cutting edge to improve tool life and versatility drilling.
- For through holes, minimized burrs at entrance and exit when drilling thin plate.

- Für Bohrungen auf verschiedenen abgewinkelten Flächen.
- Der 180-Grad-Spitzenwinkel ermöglicht das Bohren von flachen, geneigten und gekrümmten Oberflächen.
- Optimierte Nutenform für hervorragende Spanabfuhr.
- Hochfeste Schneide zur Verbesserung der Standzeit und Vielseitigkeit beim Bohren.
- Für Durchgangsbohrungen, minimierter Grat am Ein- und Austritt beim Bohren von dünnen Blechen.



CARBIDE | 20° | h6 | h7 | 180° | X Coating | p.A114

2× D

Recommended Toolholder

	PlainShank	Page
◉	SHRINKFITHOLDER	D47-72
◎	HYDRAULICCHUCK	D15-46
○	ERCOLLETCHUCK	D73-115

Unit : mm

EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAlN	D1	D2	L1	L2
DPP447030	**3.0**	6	16	50
DPP447031	**3.1**	6	16	50
DPP447032	**3.2**	6	16	50
DPP447033	**3.3**	6	16	50
DPP447034	**3.4**	6	18	50
DPP447035	**3.5**	6	18	50
DPP447036	**3.6**	6	18	50
DPP447037	**3.7**	6	18	50
DPP447038	**3.8**	6	18	50
DPP447039	**3.9**	6	18	50
DPP447040	**4.0**	6	18	50
DPP447041	**4.1**	6	20	60
DPP447042	**4.2**	6	20	60
DPP447043	**4.3**	6	20	60
DPP447044	**4.4**	6	20	60
DPP447045	**4.5**	6	22	60
DPP447046	**4.6**	6	22	60
DPP447047	**4.7**	6	22	60
DPP447048	**4.8**	6	22	60
DPP447049	**4.9**	6	22	60
DPP447050	**5.0**	6	22	60
DPP447051	**5.1**	6	24	60
DPP447052	**5.2**	6	24	60
DPP447053	**5.3**	6	24	60
DPP447054	**5.4**	6	24	60
DPP447055	**5.5**	6	24	60
DPP447056	**5.6**	6	24	60
DPP447057	**5.7**	6	26	60

EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAlN	D1	D2	L1	L2
DPP447058	**5.8**	6	26	60
DPP447059	**5.9**	6	26	60
DPP447060	**6.0**	6	26	60
DPP447061	**6.1**	8	28	70
DPP447062	**6.2**	8	28	70
DPP447063	**6.3**	8	28	70
DPP447064	**6.4**	8	30	70
DPP447065	**6.5**	8	30	70
DPP447066	**6.6**	8	30	70
DPP447067	**6.7**	8	30	70
DPP447068	**6.8**	8	30	70
DPP447069	**6.9**	8	30	70
DPP447070	**7.0**	8	30	70
DPP447071	**7.1**	8	34	70
DPP447072	**7.2**	8	34	70
DPP447073	**7.3**	8	34	70
DPP447074	**7.4**	8	34	70
DPP447075	**7.5**	8	34	70
DPP447076	**7.6**	8	34	70
DPP447077	**7.7**	8	34	70
DPP447078	**7.8**	8	34	70
DPP447079	**7.9**	8	34	70
DPP447080	**8.0**	8	34	70
DPP447081	**8.1**	10	38	80
DPP447082	**8.2**	10	38	80
DPP447083	**8.3**	10	38	80

- Other diameters and shank types are available upon request.

▶ NEXT PAGE

◎ : Excellent ○ : Good

ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	○	○	◎	○	○	○			○			◎	○				

ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommended	○	○																			

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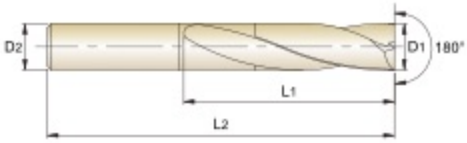

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Unit : mm

EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAlN	D_1	D_2	L_1	L_2
DPP447084	**8.4**	10	38	80
DPP447085	**8.5**	10	38	80
DPP447086	**8.6**	10	38	80
DPP447087	**8.7**	10	40	80
DPP447088	**8.8**	10	40	80
DPP447089	**8.9**	10	40	80
DPP447090	**9.0**	10	40	80
DPP447091	**9.1**	10	42	80
DPP447092	**9.2**	10	42	80
DPP447093	**9.3**	10	42	80
DPP447094	**9.4**	10	42	80
DPP447095	**9.5**	10	42	80
DPP447096	**9.6**	10	42	80
DPP447097	**9.7**	10	45	80
DPP447098	**9.8**	10	45	80
DPP447099	**9.9**	10	45	80
DPP447100	**10.0**	10	45	80
DPP447101	**10.1**	12	46	90
DPP447102	**10.2**	12	46	90
DPP447103	**10.3**	12	46	90
DPP447104	**10.4**	12	48	90
DPP447105	**10.5**	12	48	90
DPP447106	**10.6**	12	48	90
DPP447107	**10.7**	12	48	90
DPP447108	**10.8**	12	48	90
DPP447109	**10.9**	12	48	90
DPP447110	**11.0**	12	48	90
DPP447111	**11.1**	12	50	90

EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAlN	D_1	D_2	L_1	L_2
DPP447112	**11.2**	12	50	90
DPP447113	**11.3**	12	50	90
DPP447114	**11.4**	12	50	90
DPP447115	**11.5**	12	50	90
DPP447116	**11.6**	12	50	90
DPP447117	**11.7**	12	52	90
DPP447118	**11.8**	12	52	90
DPP447119	**11.9**	12	52	90
DPP447120	**12.0**	12	52	90
DPP447125	**12.5**	14	54	100
DPP447130	**13.0**	14	56	100
DPP447135	**13.5**	14	58	100
DPP447140	**14.0**	14	58	100
DPP447145	**14.5**	16	62	105
DPP447150	**15.0**	16	62	105
DPP447155	**15.5**	16	64	115
DPP447160	**16.0**	16	64	115
DPP447165	**16.5**	18	70	125
DPP447170	**17.0**	18	70	125
DPP447175	**17.5**	18	70	125
DPP447180	**18.0**	18	70	125
DPP447185	**18.5**	20	75	135
DPP447190	**19.0**	20	75	135
DPP447195	**19.5**	20	75	145
DPP447200	**20.0**	20	75	145

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