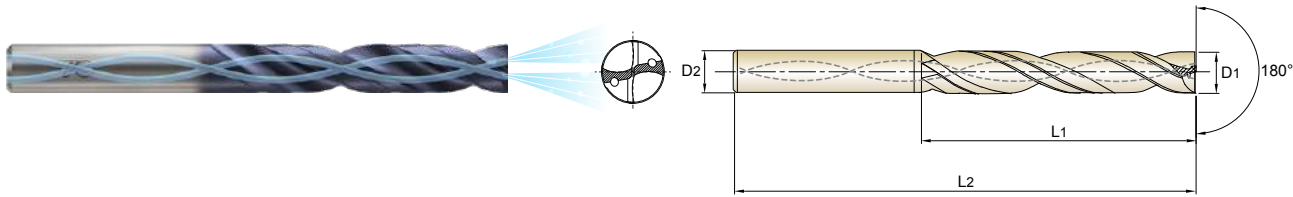


TiAIN-COATED SOLID CARBIDE DREAM DRILLS

DH450 SERIES

- ▶ 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.
- ▶ CARBIDE, DREAM DRILLS - FLAT BOTTOM with Coolant Holes
- ▶ Pilot Drilling for 5XD



Technical drawing of a reamer. The drawing shows a side view and a cross-section. The side view is labeled with 'h6' and 'h7'. The cross-section is labeled with '180°' and '20 bar'. The material is specified as 'CARBIDE'.

h6

h7

180°

20 bar

CARBIDE

P. 57

LONG

5 × D

EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TIAlN	D1	D2	L1	L2
DH450030	3.0	6	28	66
DH450031	3.1	6	28	66
DH450032	3.2	6	28	66
DH450033	3.3	6	28	66
DH450034	3.4	6	28	66
DH450035	3.5	6	28	66
DH450036	3.6	6	28	66
DH450037	3.7	6	28	66
DH450038	3.8	6	36	74
DH450039	3.9	6	36	74
DH450040	4.0	6	36	74
DH450041	4.1	6	36	74
DH450042	4.2	6	36	74
DH450043	4.3	6	36	74
DH450044	4.4	6	36	74
DH450045	4.5	6	36	74
DH450046	4.6	6	36	74
DH450047	4.7	6	36	74
DH450048	4.8	6	44	82
DH450049	4.9	6	44	82
DH450050	5.0	6	44	82
DH450051	5.1	6	44	82
DH450052	5.2	6	44	82
DH450053	5.3	6	44	82
DH450054	5.4	6	44	82
DH450055	5.5	6	44	82

► Other diameters and shank types are available upon request.

				Unit : mm
EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TA1N	D1	D2	L1	L2
DH450056	5.6	6	44	82
DH450057	5.7	6	44	82
DH450058	5.8	6	44	82
DH450059	5.9	6	44	82
DH450060	6.0	6	44	82
DH450061	6.1	8	53	91
DH450062	6.2	8	53	91
DH450063	6.3	8	53	91
DH450064	6.4	8	53	91
DH450065	6.5	8	53	91
DH450066	6.6	8	53	91
DH450067	6.7	8	53	91
DH450068	6.8	8	53	91
DH450069	6.9	8	53	91
DH450070	7.0	8	53	91
DH450071	7.1	8	53	91
DH450072	7.2	8	53	91
DH450073	7.3	8	53	91
DH450074	7.4	8	53	91
DH450075	7.5	8	53	91
DH450076	7.6	8	53	91
DH450077	7.7	8	53	91
DH450078	7.8	8	53	91
DH450079	7.9	8	53	91
DH450080	8.0	8	53	91
DH450081	8.1	10	61	103

▶ NEXT PAGE

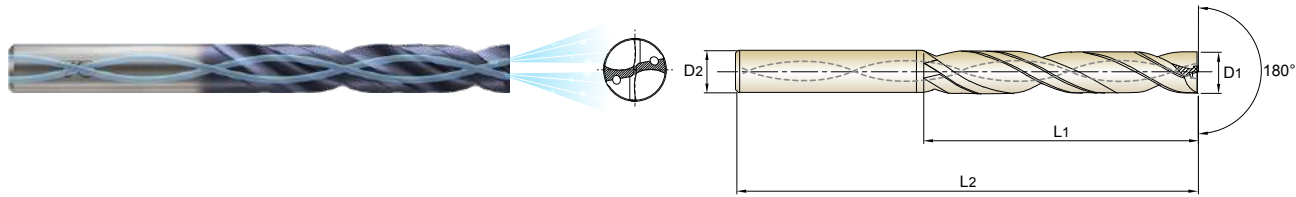
◎ : Excellent ○ : Good

[illegible]

TiAIN-COATED SOLID CARBIDE DREAM DRILLS

DH450 SERIES

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- ▶ 180 degree point angle enables drilling of flat, inclined and curved surfaces.
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- ▶ CARBIDE, DREAM DRILLS - FLAT BOTTOM with Coolant Holes
- ▶ Pilot Drilling for 5XD



P. 57

LONG

5 × D

EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAlN	D ₁	D ₂	L ₁	L ₂
DH450082	8.2	10	61	103
DH450083	8.3	10	61	103
DH450084	8.4	10	61	103
DH450085	8.5	10	61	103
DH450086	8.6	10	61	103
DH450087	8.7	10	61	103
DH450088	8.8	10	61	103
DH450089	8.9	10	61	103
DH450090	9.0	10	61	103
DH450091	9.1	10	61	103
DH450092	9.2	10	61	103
DH450093	9.3	10	61	103
DH450094	9.4	10	61	103
DH450095	9.5	10	61	103
DH450096	9.6	10	61	103
DH450097	9.7	10	61	103
DH450098	9.8	10	61	103
DH450099	9.9	10	61	103
DH450100	10.0	10	61	103
DH450102	10.2	12	71	118
DH450105	10.5	12	71	118
DH450108	10.8	12	71	118

► Other diameters and shank types are available upon request.



– Chamfer (Data as Below)

- Double Margin (2XD Single Margin)
Hole Straightness and roundness provide good alignments

EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAIN	D1	D2	L1	L2
DH450110	11.0	12	71	118
DH450115	11.5	12	71	118
DH450118	11.8	12	71	118
DH450119	11.9	12	71	118
DH450120	12.0	12	71	118
DH450125	12.5	14	77	124
DH450130	13.0	14	77	124
DH450135	13.5	14	77	124
DH450140	14.0	14	77	124
DH450145	14.5	16	83	133
DH450150	15.0	16	83	133
DH450155	15.5	16	83	133
DH450160	16.0	16	83	133
DH450165	16.5	18	93	143
DH450170	17.0	18	93	143
DH450175	17.5	18	93	143
DH450180	18.0	18	93	143
DH450185	18.5	20	101	153
DH450190	19.0	20	101	153
DH450195	19.5	20	101	153
DH450200	20.0	20	101	153

Drill Diameter (mm)	Corner Chamfer (mm)
Ø3.0 - Ø6.0	0.06
Ø6.1 - Ø10.0	0.12
Ø10.1 - Ø14.0	0.18
Ø14.1 - Ø20.0	0.26

◎ : Excellent ○ : Good

[illegible]