



HSS, STRAIGHT SHANK TWIST DRILLS for ALUMINUM

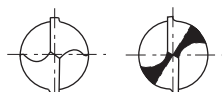
JOBBER

HSS, SPIRALBOHRER für ALUMINIUM mit ZYLINDERSCHAFT

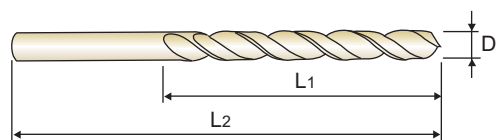
KURZ

► **Application** : Drilling hard, brittle and short-chip materials. i.e., brass, bronze, phosphor bronze and magnesium alloys.

► **Verwendung** : Zum Bohren von harten und spröden Werkstoffen wie Messing, Magnesium-Legierungen, Bronze, Phosphorbronze.



up to 1.5mm over 1.5mm


DIN 338
HSS
W 38°
h8
135°


P.189

Unit : mm

EDP No.	Drill Diameter	Flute Length	Overall Length	EDP No.	Drill Diameter	Flute Length	Overall Length
	D1	L1	L2		D1	L1	L2
D1106015	1.5	18	40	D1106043	4.3	47	80
D1106016	1.6	20	43	D1106044	4.4	47	80
D1106017	1.7	20	43	D1106045	4.5	47	80
D1106018	1.8	22	46	D1106046	4.6	47	80
D1106019	1.9	22	46	D1106047	4.7	47	80
D1106020	2.0	24	49	D1106048	4.8	52	86
D1106021	2.1	24	49	D1106049	4.9	52	86
D1106022	2.2	27	53	D1106050	5.0	52	86
D1106023	2.3	27	53	D1106051	5.1	52	86
D1106024	2.4	30	57	D1106052	5.2	52	86
D1106025	2.5	30	57	D1106053	5.3	52	86
D1106026	2.6	30	57	D1106054	5.4	57	93
D1106027	2.7	33	61	D1106055	5.5	57	93
D1106028	2.8	33	61	D1106056	5.6	57	93
D1106029	2.9	33	61	D1106057	5.7	57	93
D1106030	3.0	33	61	D1106058	5.8	57	93
D1106031	3.1	36	65	D1106059	5.9	57	93
D1106032	3.2	36	65	D1106060	6.0	57	93
D1106033	3.3	36	65	D1106061	6.1	63	101
D1106034	3.4	39	70	D1106062	6.2	63	101
D1106035	3.5	39	70	D1106063	6.3	63	101
D1106036	3.6	39	70	D1106064	6.4	63	101
D1106037	3.7	39	70	D1106065	6.5	63	101
D1106038	3.8	43	75	D1106066	6.6	63	101
D1106039	3.9	43	75	D1106067	6.7	63	101
D1106040	4.0	43	75	D1106068	6.8	69	109
D1106041	4.1	43	75	D1106069	6.9	69	109
D1106042	4.2	43	75	D1106070	7.0	69	109

◎ : Excellent ○ : Good

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

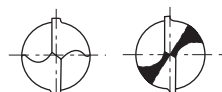
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HSS, SPIRALBOHRER für ALUMINIUM mit ZYLINDERSCHAFT

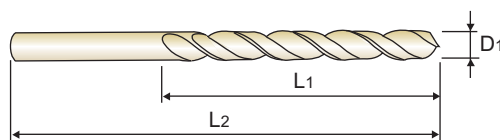
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EDP No.	Drill Diameter	Flute Length	Overall Length	EDP No.	Drill Diameter	Flute Length	Overall Length
	D1	L1	L2		D1	L1	L2
D1106071	7.1	69	109	D1106089	8.9	81	125
D1106072	7.2	69	109	D1106090	9.0	81	125
D1106073	7.3	69	109	D1106091	9.1	81	125
D1106074	7.4	69	109	D1106092	9.2	81	125
D1106075	7.5	69	109	D1106093	9.3	81	125
D1106076	7.6	75	117	D1106094	9.4	81	125
D1106077	7.7	75	117	D1106095	9.5	81	125
D1106078	7.8	75	117	D1106096	9.6	87	133
D1106079	7.9	75	117	D1106097	9.7	87	133
D1106080	8.0	75	117	D1106098	9.8	87	133
D1106081	8.1	75	117	D1106099	9.9	87	133
D1106082	8.2	75	117	D1106100	10.0	87	133
D1106083	8.3	75	117	D1106105	10.5	87	133
D1106084	8.4	75	117	D1106110	11.0	94	142
D1106085	8.5	75	117	D1106115	11.5	94	142
D1106086	8.6	81	125	D1106120	12.0	101	151
D1106087	8.7	81	125	D1106125	12.5	101	151
D1106088	8.8	81	125	D1106130	13.0	101	151

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

HSS, TWIST DRILLS for BRASS, DIN 338
HSS, SPIRALBOHRER für MESSING, DIN338
D1100 SERIES

Unit : mm

WORK MATERIAL	BRASS	
DIAMETER	N	S
2	8750	0.08
3	5850	0.10
4	4400	0.12
5	3500	0.14
6	2900	0.16
7	2500	0.18
8	2200	0.20
9	1950	0.22
10	1750	0.25
11	1600	0.27
12	1450	0.29
13	1350	0.32

N = R.P.M

S = Feed per Revolution (mm/rev.)

HSS, TWIST DRILLS for ALUMINUM, DIN338
HSS, SPIRALBOHRER für ALUMINIUM, DIN338
D1106 SERIES

Unit : mm

WORK MATERIAL	LONG CHIP ALUMINUM ALLOYS		SHORT CHIP ALUMINUM ALLOYS	
DIAMETER	N	S	N	S
2	7950	0.08	5550	0.06
3	5300	0.10	3700	0.07
4	4000	0.12	2800	0.08
5	3200	0.14	2230	0.09
6	2650	0.16	1850	0.10
7	2250	0.18	1600	0.11
8	2000	0.20	1400	0.12
9	1750	0.22	1250	0.14
10	1600	0.25	1100	0.16
11	1450	0.28	1000	0.18
12	1330	0.32	930	0.20
13	1220	0.35	860	0.22

N = R.P.M

S = Feed per Revolution (mm/rev.)