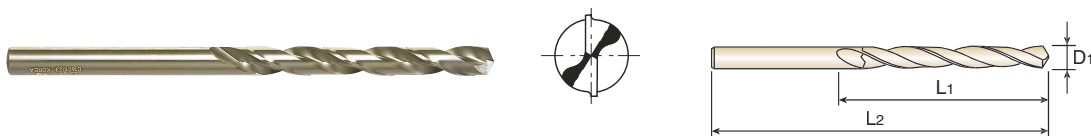




HSSCo5, AIRCRAFT EXTENSION DRILL 135° SPLIT POINT COLORING

- ▶ **Flute Geometry** : Right hand spiral, 30° helix
- ▶ **Point Angle** : 135°:Split point
- ▶ **Application** : Improved chip removal in most materials, especially in deep drilling applications.



HSS Co5
NAS 907
30°
135°
P.176

▶ **Fractional sizes**

Unit : Inch

EDP No.	Diameter		Flute Length L1	Overall Length L2	EDP No.	Diameter		Flute Length L1	Overall Length L2
	Fractional D1	Decimal				Fractional D1	Decimal		
* DL601005	5/64	.0781	1	6	** DL601029	29/64	.4531	4-3/16	6
* DL601006	3/32	.0938	1-1/4	6	** DL601030	15/32	.4688	4-5/16	6
* DL601007	7/64	.1094	1-1/4	6	** DL601031	31/64	.4844	4-3/8	6
* DL601008	1/8	.1250	1-5/8	6	** DL601032	1/2	.5000	4-1/2	6
* DL601009	9/64	.1406	1-3/4	6	* DL604014	7/32	.2188	2-1/2	12
* DL601010	5/32	.1563	2	6	* DL604015	15/64	.2344	2-5/8	12
* DL601011	11/64	.1719	2-1/8	6	** DL604016	1/4	.2500	2-3/4	12
* DL601012	3/16	.1875	2-5/16	6	** DL604017	17/64	.2656	2-7/8	12
* DL601013	13/64	.2031	2-7/16	6	** DL604018	9/32	.2813	2-15/16	12
* DL601014	7/32	.2188	2-1/2	6	** DL604019	19/64	.2969	3-1/16	12
* DL601015	15/64	.2344	2-5/8	6	** DL604020	5/16	.3125	3-3/16	12
** DL601016	1/4	.2500	2-3/4	6	** DL604021	21/64	.3281	3-5/16	12
** DL601017	17/64	.2656	2-7/8	6	** DL604022	11/32	.3438	3-7/16	12
** DL601018	9/32	.2813	2-15/16	6	** DL604023	23/64	.3594	3-1/2	12
** DL601019	19/64	.2969	3-1/16	6	** DL604024	3/8	.3750	3-5/8	12
** DL601020	5/16	.3125	3-3/16	6	** DL604025	25/64	.3906	3-3/4	12
** DL601021	21/64	.3281	3-5/16	6	** DL604026	13/32	.4063	3-7/8	12
** DL601022	11/32	.3438	3-7/16	6	** DL604027	27/64	.4219	3-15/16	12
** DL601023	23/64	.3594	3-1/2	6	** DL604028	7/16	.4375	4-1/16	12
** DL601024	3/8	.3750	3-5/8	6	** DL604029	29/64	.4531	4-3/16	12
** DL601025	25/64	.3906	3-3/4	6	** DL604030	15/32	.4688	4-5/16	12
** DL601026	13/32	.4063	3-7/8	6	** DL604031	31/64	.4844	4-3/8	12
** DL601027	27/64	.4219	3-15/16	6	** DL604032	1/2	.5000	4-1/2	12
** DL601028	7/16	.4375	4-1/16	6					

* 10per package
** 5per package

Tolerance Diameter (Inch)	
up to 1/8(.1250)	0 ~ -.0005
over 1/8(.1250) up to 1/4(.2500)	0 ~ -.0007
over 1/4(.2500) up to 1/2(.5000)	0 ~ -.0010

◎ : 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~							
◎	○				○	○	○		○	○	○



HSS & HSSCo5, AIRCRAFT EXTENSION DRILL 135° SPLIT POINT

DL601, DL602, DL603, D1631, D1632, D1633 SERIES

WORK MATERIAL	CARBON STEELS		CARBON STEELS		CARBON STEELS		ALLOY STEELS		ALLOY STEELS	
	HARDNESS		~ HRc23		~ HRc23 ~ 28		HRc23 ~ 34		HRc34 ~ 38	
STRENGTH	~ 570 N/mm ²		~ 830 N/mm ²		830 ~ 950 N/mm ²		830 ~ 1110 N/mm ²		1110 ~ 1260 N/mm ²	
DIAMETER	N	S	N	S	N	S	N	S	N	S
0 ~ 3/32	3380	.0010	2550	.0010	1900	.0006	2380	.0008	1400	.0006
3/32 ~ 5/32	2700	.0020	2000	.0020	1500	.0010	1880	.0020	1100	.0008
11/64 ~ 1/4	1700	.0025	1280	.0025	960	.0015	1190	.0025	700	.0010
17/64 ~ 23/64	1050	.0051	780	.0051	590	.0030	730	.0051	430	.0015
3/8 ~ 37/64	750	.0059	560	.0060	425	.0030	520	.0070	310	.0020
19/32 ~ 1	440	.0090	330	.0090	255	.0051	300	.0090	180	.0020
1 ~	260	.0110	195	.0110	145	.0070	180	.0070	107	.0030

WORK MATERIAL	STAINLESS STEELS		TITANIUM ALLOYS		TOOL STEELS		CAST IRON		ALUMINUM ALLOYS	
	HARDNESS		HRc23				~ HRc21			
STRENGTH	830 N/mm ²		410 N/mm ²		~ 270 N/mm ²		~ 800 N/mm ²			
DIAMETER	N	S	N	S	N	S	N	S	N	S
0 ~ 3/32	2550	.0010	1400	.0008	3180	.0016	2250	.0010	6400	.0015
3/32 ~ 5/32	2000	.0020	1100	.0010	2500	.0020	2000	.0020	5000	.0025
11/64 ~ 1/4	1280	.0025	700	.0015	1590	.0025	1280	.0025	3200	.0030
17/64 ~ 23/64	780	.0051	430	.0030	970	.0051	780	.0051	2000	.0070
3/8 ~ 37/64	560	.0060	430	.0030	700	.0070	560	.0060	1400	.0078
19/32 ~ 1	330	.0090	180	.0051	440	.0090	330	.0090	820	.0118
1 ~	195	.0110	107	.0070	240	.1180	195	.0110	490	.0150

WORK MATERIAL	MAGNESIUM ALLOYS		ZINC ALLOYS		PLASTIC	
	HARDNESS					
STRENGTH						
DIAMETER	N	S	N	S	N	S
0 ~ 3/32	8600	.0015	6400	.0015	3380	.0010
3/32 ~ 5/32	6800	.0025	5000	.0025	2700	.0020
11/64 ~ 1/4	4300	.0030	3200	.0030	1700	.0025
17/64 ~ 23/64	2600	.0070	2000	.0070	1050	.0051
3/8 ~ 37/64	1900	.0078	1400	.0078	750	.0060
19/32 ~ 1	1100	.0118	820	.0118	440	.0090
1 ~	660	.0150	490	.0150	260	.0110

N = R.P.M
S =Inch per Revolution(inch/rev.)

i-DREAM DRILLS

DREAM DRILLS

DREAM DRILLS -INOX

DREAM DRILLS -ALU

DREAM DRILLS -MQL TYPE

DREAM DRILLS for HARDENED STEELS

STANDARD CARBIDE DRILLS

MULTI-1 DRILLS

HPD DRILLS

GOLD-P DRILLS

STRAIGHT SHANK DRILLS

AIRCRAFT DRILLS

SILVER & DEMING DRILLS

TAPER SHANK DRILLS

NC SPOTTING DRILLS

COMBINATION DRILL & COUNTER SINK

SPADE DRILLS

TECHNICAL DATA