



OSG GROUP COMPANY



UDL Jobber Drills

Ideal for use on CNC machines where high productivity and accurate holes are required.



Forets courts UDL

L'outil idéal pour des opérations sur machines CNC requérant une productivité élevée et des trous précis.



UDL-Spiralbohrer kurz

Ideal für den Einsatz auf CNC-Maschinen, wo hohe Produktivität und präzise Bohrungen gefordert sind.



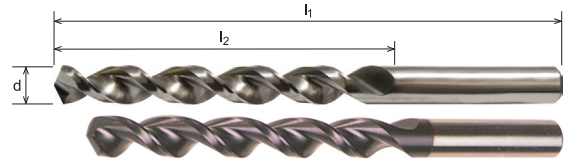
Brocas corrientes UDL

Perfecta para emplearla en máquinas CNC donde se requiere una elevada productividad y taladrar con precisión.



Сверла UDL средней серии

Идеально подходит для использования на станках с ЧПУ, где требуется высокая производительность и точность отверстий.



Code
164

Properties



mm inch wire letter	DIN 338	HSS Co5
5xD	TYPE FS	130°
h8	40°	BRIGHT FINISH TiAIN

Cutting Data

pg 45	
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P								M				K				Ti			Ni			Cu				N				Syn		
1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3
●	●	●	●	●	●			○	○	○		●	●	●	●							○	○	○	○	○	○	○	○	○	○	

d	mm Equiv.	l ₂	l ₁	Code		Qty
				BRIGHT FINISH	TiAIN	
1		12	34	1640100	1640100A	10
No.60	1.016	12	34	1640102	1640102A	10
No.59	1.041	12	34	1640104	1640104A	10
No.58	1.067	14	36	1640107	1640107A	10
No.57	1.092	14	36	1640109	1640109A	10
1.1	14	36	1640110	1640110A	10	
1.15	14	36	1640115	1640115A	10	
No.56	1.181	16	38	1640118	1640118A	10
3/64	1.191	16	38	1640119	1640119A	10
1.2	16	38	1640120	1640120A	10	
1.25	16	38	-	1640125A	10	
1.3	16	38	1640130	1640130A	10	
No.55	1.321	18	40	1640132	1640132A	10
No.54	1.397	18	40	1640139	1640139A	10
1.4	18	40	1640140	1640140A	10	
1.45	18	40	1640145	1640145A	10	
1.5	18	40	1640150	1640150A	10	
No.53	1.511	20	43	1640152	1640152A	10
1.55	20	43	1640155	1640155A	10	
1/16	1.588	20	43	1640159	1640159A	10
1.6	20	43	1640160	1640160A	10	
No.52	1.613	20	43	1640161	1640161A	10
1.62	20	43	1640162	-	10	
1.65	20	43	1640165	1640165A	10	
1.67	20	43	1640167	-	10	
1.7	20	43	1640170	1640170A	10	
No.51	1.702	22	46	1640169	1640169A	10
1.75	22	46	-	1640175A	10	
No.50	1.778	22	46	1640178	1640178A	10
1.8	22	46	1640180	1640180A	10	
No.49	1.854	22	46	1640185	1640185A	10
1.9	22	46	1640190	1640190A	10	
No.48	1.930	24	49	1640193	1640193A	10
5/64	1.984	24	49	1640198	1640198A	10
No.47	1.994	24	49	1640199	1640199A	10
2	24	49	1640200	1640200A	10	
2.05	24	49	1640205	-	10	
No.46	2.057	24	49	1640206	1640206A	10
No.45	2.083	24	49	1640208	1640208A	10
2.1	24	49	1640210	1640210A	10	
2.15	27	53	1640215	1640215A	10	
No.44	2.184	27	53	1640218	1640218A	10
2.2	27	53	1640220	1640220A	10	
No.43	2.261	27	53	1640226	1640226A	10
2.3	27	53	1640230	1640230A	10	
2.35	27	53	1640235	1640235A	10	
No.42	2.375	30	57	1640237	1640237A	10
3/32	2.381	30	57	1640238	1640238A	10
2.4	30	57	1640240	1640240A	10	
No.41	2.438	30	57	1640244	1640244A	10
2.45	30	57	1640245	1640245A	10	
No.40	2.489	30	57	1640249	1640249A	10
2.5	30	57	1640250	1640250A	10	
No.39	2.527	30	57	1640253	1640253A	10
No.38	2.578	30	57	1640258	1640258A	10
2.6	30	57	1640260	1640260A	10	
No.37	2.642	30	57	1640264	1640264A	10
2.7	33	61	1640270	1640270A	10	
No.36	2.705	33	61	1640271	1640271A	10

d	mm Equiv.	l ₂	l ₁	Code		Qty
				BRIGHT FINISH	TiAIN	
2.75		33	61	-	1640275A	10
7/64	2.778	33	61	1640278	1640278A	10
No.35	2.794	33	61	1640279	1640279A	10
2.8	33	61	1640280	1640280A	10	
No.34	2.819	33	61	1640282	1640282A	10
No.33	2.870	33	61	1640287	1640287A	10
2.9	33	61	1640290	1640290A	10	
No.32	2.946	33	61	1640295	1640295A	10
3	33	61	1640300	1640300A	10	
No.31	3.048	36	65	1640305	1640305A	10
3.1	36	65	1640310	1640310A	10	
3.15	36	65	1640315	1640315A	10	
1/8	3.175	36	65	1640318	1640318A	10
3.2	36	65	1640320	1640320A	10	
No.30	3.264	36	65	1640326	1640326A	10
3.3	36	65	1640330	1640330A	10	
3.35	36	65	1640335	1640335A	10	
3.4	39	70	1640340	1640340A	10	
No.29	3.454	39	70	1640345	1640345A	10
3.5	39	70	1640350	1640350A	10	
9/64	3.572	39	70	1640357	1640357A	10
3.6	39	70	1640360	1640360A	10	
No.27	3.658	39	70	1640366	1640366A	10
3.7	39	70	1640370	1640370A	10	
No.26	3.734	39	70	1640373	1640373A	10
No.25	3.797	43	75	1640379	1640379A	10
3.8	43	75	1640380	1640380A	10	
No.24	3.861	43	75	1640386	1640386A	10
3.9	43	75	1640390	1640390A	10	
No.23	3.912	43	75	1640391	1640391A	10
5/32	3.969	43	75	1640397	1640397A	10
No.22	3.988	43	75	1640399	1640399A	10
4	43	75	1640400	1640400A	10	
No.21	4.039	43	75	1640404	1640404A	10
No.20	4.089	43	75	1640409	1640409A	10
4.1	43	75	1640410	1640410A	10	
4.2	43	75	1640420	1640420A	10	
No.19	4.216	43	75	1640422	1640422A	10
4.3	47	80	1640430	1640430A	10	
No.18	4.305	47	80	1640431	1640431A	10
11/64	4.366	47	80	1640437	1640437A	10
No.17	4.394	47	80	1640439	1640439A	10
4.4	47	80	1640440	1640440A	10	
4.45	47	80	1640445	-	10	
No.16	4.496	47	80	1640449	1640449A	10
4.5	47	80	1640450	1640450A	10	
No.15	4.572	47	80	1640457	1640457A	10
4.6	47	80	1640460	1640460A	10	
No.14	4.623	47	80	1640462	1640462A	10
No.13	4.699	47	80	1640469	1640469A	10
4.7	47	80	1640470	1640470A	10	
3/16	4.762	52	86	1640476	1640476A	10
No.12	4.800	52	86	1640479	1640479A	10
4.8	52	86	1640480	1640480A	10	
No.11	4.851	52	86	1640485	1640485A	10
4.9	52	86	1640490	1640490A	10	
No.10	4.915	52	86	1640492	1640492A	10
No.9	4.978	52	86	1640498	1640498A	10

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STRAIGHT
SHANK DRILLS





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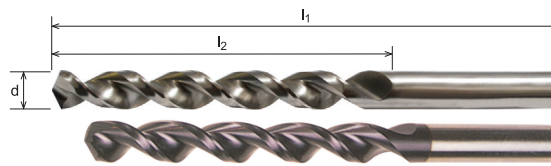
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Code
164

Properties
< 1.5mm Standard Point Pointe Standard Standardspitze Punta estándar Стандартная вершина

>= 1.5mm Split Point Pointe en croix Kreuzschliff Punta afilada en cruz Вершина Split Point
--

P								M				K				Ti			Ni			Cu				N				Syn		
1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3

d	mm Equiv.	l2	l1	Code		Qty
				BRIGHT FINISH	TiAIN	

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5		52	86	1640500	1640500A	10
No.8	5.055	52	86	1640506	1640506A	10
5.1		52	86	1640510	1640510A	10
No.7	5.105	52	86	1640511	1640511A	10
13/64	5.159	52	86	1640516	1640516A	10
No.6	5.182	52	86	1640518	1640518A	10
5.2		52	86	1640520	1640520A	10
No.5	5.220	52	86	1640522	1640522A	10
5.3		52	86	1640530	1640530A	10
No.4	5.309	57	93	1640532	1640532A	10
5.4		57	93	1640540	1640540A	10
No.3	5.410	57	93	1640541	1640541A	10
5.5		57	93	1640550	1640550A	10
7/32	5.556	57	93	1640556	1640556A	10
5.6		57	93	1640560	1640560A	10
No.2	5.613	57	93	1640561	1640561A	10
5.7		57	93	1640570	1640570A	10
5.75		57	93	1640575	1640575A	10
No.1	5.791	57	93	1640579	1640579A	10
5.8		57	93	1640580	1640580A	10
5.9		57	93	1640590	1640590A	10
LTR.A	5.944	57	93	1640594	1640594A	10
15/64	5.953	57	93	1640595	1640595A	10
6		57	93	1640600	1640600A	10
LTR.B	6.045	63	101	1640605	1640605A	10
6.1		63	101	1640610	1640610A	10
LTR.C	6.147	63	101	1640615	1640615A	10
6.2		63	101	1640620	1640620A	10
LTR.D	6.248	63	101	1640625	1640625A	10
6.3		63	101	1640630	1640630A	10
LTR.E	6.350	63	101	1640634	1640634A	10
1/4	6.350	63	101	1640635	1640635A	10
6.4		63	101	1640640	1640640A	10
6.5		63	101	1640650	1640650A	10
LTR.F	6.528	63	101	1640653	1640653A	10
6.6		63	101	1640660	1640660A	10
LTR.G	6.629	63	101	1640663	1640663A	10
6.7		63	101	1640670	1640670A	10
LTR.H	6.756	69	109	1640676	1640676A	10
17/64	6.747	69	109	1640677	1640677A	10
6.8		69	109	1640680	1640680A	10
6.9		69	109	1640690	1640690A	10
LTR.I	6.909	69	109	1640691	1640691A	10
7		69	109	1640700	1640700A	10
LTR.J	7.036	69	109	1640704	1640704A	10
7.1		69	109	1640710	1640710A	10
LTR.K	7.137	69	109	1640713	1640713A	10
9/32	7.144	69	109	1640714	1640714A	10
7.2		69	109	1640720	1640720A	10
7.25		69	109	1640725	1640725A	10
7.3		69	109	1640730	1640730A	10
LTR.L	7.366	69	109	1640737	1640737A	10
7.4		69	109	1640740	1640740A	10
LTR.M	7.493	69	109	1640749	1640749A	10
7.5		69	109	1640750	1640750A	10
19/64	7.541	75	117	1640754	1640754A	10

d	mm Equiv.	l2	l1	Code		Qty
				BRIGHT FINISH	TiAIN	

7.6		75	117	1640760	1640760A	10
LTR.N	7.671	75	117	1640767	1640767A	10
7.7		75	117	1640770	1640770A	10
7.8		75	117	1640780	1640780A	10
7.9		75	117	1640790	1640790A	10
5/16	7.937	75	117	1640794	1640794A	10
8		75	117	1640800	1640800A	10
LTR.O	8.026	75	117	1640803	1640803A	10
8.1		75	117	1640810	1640810A	10
LTR.P	8.204	75	117	1640821	1640821A	10
21/64	8.334	75	117	1640833	-	10
LTR.Q	8.433	75	117	1640843	1640843A	10
8.5		75	117	1640850	1640850A	10
LTR.R	8.611	81	125	-	1640861A	10
8.7		81	125	1640870	-	10
11/32	8.731	81	125	1640873	1640873A	10
8.8		81	125	1640880	-	10
LTR.S	8.839	81	125	1640884	1640884A	10
9		81	125	1640900	1640900A	10
23/64	9.128	81	125	1640913	1640913A	10
9.2		81	125	1640920	1640920A	10
9.3		81	125	-	1640930A	10
LTR.U	9.347	81	125	1640935	1640935A	10
9.5		81	125	1640950	1640950A	10
3/8	9.525	87	133	1640953	1640953A	10
LTR.V	9.576	87	133	1640958	1640958A	10
9.6		87	133	1640960	1640960A	10
9.7		87	133	1640970	1640970A	10
LTR.W	9.804	87	133	1640981	1640981A	10
25/64	9.922	87	133	1640992	1640992A	5
10		87	133	1641000	1641000A	5
LTR.Y	10.262	87	133	-	1641026A	5
13/32	10.319	87	133	1641032	1641032A	5
LTR.Z	10.490	87	133	-	1641049A	5
10.5		87	133	1641050	1641050A	5
27/64	10.716	94	142	1641072	1641072A	5
11		94	142	1641100	1641100A	5
7/16	11.112	94	142	1641111	1641111A	5
11.5		94	142	1641150	1641150A	5
29/64	11.509	94	142	1641151	-	5
15/32	11.906	101	151	1641191	-	5
12		101	151	1641200	1641200A	5
31/64	12.303	101	151	1641229	1641229A	5
12.5		101	151	1641250	1641250A	5
1/2	12.700	101	151	1641269	1641269A	5
13		101	151	1641300	1641300A	5
33/64	13.097	101	151	1641310	-	1
17/32	13.494	108	160	1641349	1641349A	1
35/64	13.891	108	160	1641389	-	1
14		108	160	-	1641400A	1
9/16	14.287	114	169	1641429	1641429A	1
14.5		114	169	1641450	-	1
37/64	14.684	114	169	1641468	-	1
19/32	15.081	120	178	-	1641508A	1
39/64	15.478	120	178	1641548	-	1
5/8	15.875	120	178	1641588	-	1

mm inch wire letter	DIN 338	HSS Co5
5xD	TYPE FS	130°
h8	40°	BRIGHT FINISH TiAIN

Cutting Data	
pg 45	

Available on request

