



UDL Long Series Drills

Ideal for use on CNC machines where high productivity and accurate holes are required. High performance deep hole drilling.



Forets séries longues UDL

L'outil idéal pour des opérations sur machines CNC requérant une productivité élevée et des trous précis. Perçage de trous profonds haute performance.



UDL-Bohrer lange Serie

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



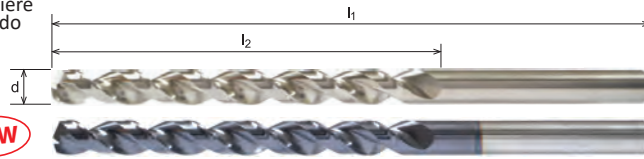
Brocas UDL serie larga

Perfecta para emplearla en máquinas CNC donde se requiere una elevada productividad y taladrar con precisión. Elevado rendimiento en taladrado de orificios profundos.



Сверла UDL длинной серии

Идеально подходит для использования на станках с ЧПУ, где требуется высокая производительность и точность отверстий. Высокая эффективность при сверлении глубоких отверстий.



OSG GROUP COMPANY

Code
110

Properties
Standard Point Pointe Standard Standardspitze Punta estándar Стандартная вершина sizes below 1.5mm
Split Point Pointe en croix Kreuzanschliff Punta afilada en cruz Вершина Split Point 1.5mm and above

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		MOQ	Qty
				Bright Finish	TiAIN		
1		33	56	1100100	1100100A	50	10
No.60	1.016	33	56	1100102		50	10
No.59	1.041	33	56	1100104		50	10
No.58	1.067	37	60	1100107		50	10
No.57	1.092	37	60	1100109		50	10
1.1		37	60	1100110	1100110A	50	10
No.56	1.181	41	65	1100118		50	10
1.2		41	65	1100120	1100120A	50	10
1.3		41	65	1100130	1100130A	50	10
No.55	1.321	45	70	1100132		50	10
No.54	1.397	45	70	1100139		50	10
1.4		45	70	1100140	1100140A	50	10
1.5		45	70	1100150	1100150A	50	10
No.53	1.511	50	76	1100152		50	10
1/16	1.588	50	76	1100159		50	10
1.6		50	76	1100160	1100160A	50	10
No.52	1.613	50	76	1100161		50	10
1.7		50	76	1100170	1100170A	50	10
No.51	1.702	53	80	1100169		50	10
No.50	1.778	53	80	1100178		50	10
1.8		53	80	1100180	1100180A	50	10
No.49	1.854	53	80	1100185		50	10
1.9		53	80	1100190	1100190A	50	10
No.48	1.930	56	85	1100193		50	10
5/64	1.984	56	85	1100198		50	10
No.47	1.994	56	85	1100199		50	10
2		56	85	1100200	1100200A	50	10
No.46	2.057	56	85	1100206		50	10
No.45	2.083	56	85	1100208		50	10
2.1		56	85	1100210	1100210A	50	10
No.44	2.184	59	90	1100218		50	10
2.2		59	90	1100220	1100220A	50	10
No.43	2.261	59	90	1100226		50	10
2.3		59	90	1100230	1100230A	50	10
No.42	2.375	62	95	1100237		50	10
3/32	2.381	62	95	1100238		50	10
2.4		62	95	1100240	1100240A	50	10
No.41	2.438	62	95	1100244		50	10
No.40	2.489	62	95	1100249		50	10
2.5		62	95	1100250	1100250A	50	10
No.39	2.527	62	95	1100253		50	10
No.38	2.578	62	95	1100258		50	10
2.6		62	95	1100260	1100260A	50	10
No.37	2.642	62	95	1100264		50	10
2.7		66	100	1100270	1100270A	50	10
No.36	2.705	66	100	1100271		50	10
7/64	2.778	66	100	1100278		50	10
No.35	2.794	66	100	1100279		50	10
2.8		66	100	1100280	1100280A	50	10
No.34	2.819	66	100	1100282		50	10
No.33	2.870	66	100	1100287		50	10
2.9		66	100	1100290	1100290A	50	10
No.32	2.946	66	100	1100295		50	10
3		66	100	1100300	1100300A	50	10
No.31	3.048	69	106	1100305		50	10

d	mm Equiv.	l ₂	l ₁	Code		MOQ	Qty
				Bright Finish	TiAIN		
3.1		69	106	1100310	1100310A	50	10
1/8	3.175	69	106	1100318		50	10
3.2		69	106	1100320	1100320A	50	10
No.30	3.264	69	106	1100326		50	10
3.3		69	106	1100330	1100330A	50	10
3.4		73	112	1100340	1100340A	50	10
No.29	3.454	73	112	1100345		50	10
3.5		73	112	1100350	1100350A	50	10
No.28	3.569	73	112	1100356		50	10
9/64	3.572	73	112	1100357		50	10
3.6		73	112	1100360	1100360A	50	10
No.27	3.658	73	112	1100366		50	10
3.7		73	112	1100370	1100370A	50	10
No.26	3.734	73	112	1100373		50	10
No.25	3.797	78	119	1100379		50	10
3.8		78	119	1100380	1100380A	50	10
No.24	3.861	78	119	1100386		50	10
3.9		78	119	1100390	1100390A	50	10
No.23	3.912	78	119	1100391		50	10
5/32	3.969	78	119	1100397		50	10
No.22	3.988	78	119	1100399		50	10
4		78	119	1100400	1100400A	50	10
No.21	4.039	78	119	1100404		50	10
No.20	4.089	78	119	1100409		50	10
4.1		78	119	1100410	1100410A	50	10
4.2		78	119	1100420	1100420A	50	10
No.19	4.215	78	119	1100422		50	10
4.3		82	126	1100430	1100430A	50	10
No.18	4.305	82	126	1100431		50	10
11/64	4.366	82	126	1100437		50	10
No.17	4.394	82	126	1100439		50	10
4.4		82	126	1100440	1100440A	50	10
No.16	4.496	82	126	1100449		50	10
4.5		82	126	1100450	1100450A	50	10
No.15	4.572	82	126	1100457		50	10
4.6		82	126	1100460	1100460A	50	10
No.14	4.623	82	126	1100462		50	10
No.13	4.699	82	126	1100469		50	10
4.7		82	126	1100470	1100470A	50	10
3/16	4.762	87	132	1100476		50	10
No.12	4.800	87	132	1100479		50	10
4.8		87	132	1100480	1100480A	50	10
No.11	4.851	87	132	1100485		50	10
4.9		87	132	1100490	1100490A	50	10
No.10	4.915	87	132	1100492		50	10
No.9	4.978	87	132	1100498		50	10
5		87	132	1100500	1100500A	50	10
No.8	5.055	87	132	1100506		50	10
5.1		87	132	1100510	1100510A	50	10
No.7	5.105	87	132	1100511		50	10
13/64	5.159	87	132	1100516		50	10
No.6	5.182	87	132	1100518		50	10
5.2		87	132	1100520	1100520A	50	10
No.5	5.220	87	132	1100522		50	10

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mm inch wire	DIN 340	HSS Co5
10xD	TYPE FS	130°
h8	40°	BRIGHT FINISH TiAIN

Cutting Data	
pg 46	





OSG GROUP COMPANY

Code
110

Properties

Standard Point
Pointe Standard
Standardspitze
Punta estándar
Стандартная вершина
sizes below 1.5mm

Split Point
Pointe en croix
Kreuzanschliff
Punta afilada en cruz
Вершина Split Point
1.5mm and above

mm inch wire
DIN 340
HSS Co5

10xD
TYPE FS
130°

h8
40°
BRIGHT FINISH
TiAIN

Cutting Data

pg 46

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Ideal for use on CNC machines where high productivity and accurate holes are required. High performance deep hole drilling.

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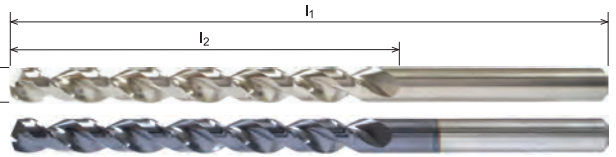
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NEW



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		MOQ	Qty
				Bright Finish	TiAIN		
... from previous page							
5.3		87	132	1100530	1100530A	50	10
No.4	5.309	91	139	1100532		50	10
5.4		91	139	1100540	1100540A	50	10
No.3	5.410	91	139	1100541		50	10
5.5		91	139	1100550	1100550A	50	10
7/32	5.556	91	139	1100556		50	10
5.6		91	139	1100560	1100560A	50	10
No.2	5.613	91	139	1100561		50	10
5.7		91	139	1100570	1100570A	50	10
No.1	5.791	91	139	1100579		50	10
5.8		91	139	1100580	1100580A	50	10
5.9		91	139	1100590	1100590A	50	10
15/64	5.953	91	139	1100595		50	10
6		91	139	1100600	1100600A	50	10
6.1		97	148	1100610	1100610A	30	10
6.2		97	148	1100620	1100620A	30	10
6.3		97	148	1100630	1100630A	30	10
1/4	6.350	97	148	1100635		30	10
6.4		97	148	1100640	1100640A	30	10
6.5		97	148	1100650	1100650A	30	10
6.6		97	148	1100660	1100660A	30	10
6.7		97	148	1100670	1100670A	30	10
17/64	6.747	102	156	1100677		30	10
6.8		102	156	1100680	1100680A	30	10
6.9		102	156	1100690	1100690A	30	10
7		102	156	1100700	1100700A	30	10
7.1		102	156	1100710	1100710A	30	10
9/32	7.144	102	156	1100714		30	10
7.2		102	156	1100720	1100720A	30	10
7.3		102	156	1100730	1100730A	30	10
7.4		102	156	1100740	1100740A	30	10
7.5		102	156	1100750	1100750A	30	10
19/64	7.541	109	165	1100754		30	10
7.6		109	165	1100760	1100760A	30	10
7.7		109	165	1100770	1100770A	30	10

d	mm Equiv.	l ₂	l ₁	Code		MOQ	Qty
				Bright Finish	TiAIN		
7.8		109	165	1100780	1100780A	30	10
7.9		109	165	1100790	1100790A	30	10
5/16	7.937	109	165	1100794		30	10
8		109	165	1100800	1100800A	30	10
8.1		109	165	1100810	1100810A	30	10
8.2		109	165	1100820	1100820A	30	10
8.3		109	165	1100830	1100830A	30	10
21/64	8.334	109	165	1100833		30	10
8.4		109	165	1100840	1100840A	30	10
8.5		109	165	1100850	1100850A	30	10
8.6		115	175	1100860	1100860A	30	10
8.7		115	175	1100870	1100870A	30	10
11/32	8.731	115	175	1100873		30	10
8.8		115	175	1100880	1100880A	30	10
8.9		115	175	1100890	1100890A	30	10
9		115	175	1100900	1100900A	30	10
9.1		115	175	1100910	1100910A	30	10
23/64	9.128	115	175	1100913		30	10
9.2		115	175	1100920	1100920A	30	10
9.3		115	175	1100930	1100930A	30	10
9.4		115	175	1100940	1100940A	30	10
9.5		115	175	1100950	1100950A	30	10
3/8	9.525	121	184	1100953		30	5
9.6		121	184	1100960	1100960A	30	5
9.7		121	184	1100970	1100970A	30	5
9.8		121	184	1100980	1100980A	30	5
9.9		121	184	1100990	1100990A	30	5
25/64	9.922	121	184	1100992		30	5
10		121	184	1101000	1101000A	30	5
13/32	10.319	121	184	1101032		20	5
27/64	10.716	128	195	1101072		20	5
7/16	11.112	128	195	1101111		20	5
29/64	11.509	128	195	1101151		20	5
15/32	11.906	134	205	1101191		20	5
12.3		134	205	1101230		20	5
12.7		134	205	1101270		20	5

Available on request (See MOQ)



STRAIGHT SHANK DRILLS



shaping your dreams