



OSG GROUP COMPANY

Code
163

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 letter	DIN 1897	HSS Co5
3xD	TYPE FS	130°
h8	40°	BRIGHT FINISH
		TiAIN

Cutting Data

pg 45



UDL Stub Drills

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



Forets extra-courts UDL

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



UDL-Spiralbohrer extra kurz

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



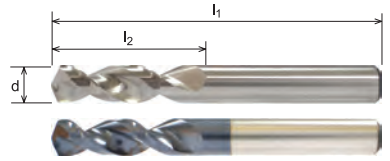
Brocas cortas UDL

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



Сверла UDL короткой серии

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



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		6	26	1630100	1630100A		10
No.60	1.016	6	26	1630102	1630102A	50	10
No.59	1.041	6	26	1630104	1630104A	50	10
No.58	1.067	7	28	1630107	1630107A	50	10
No.57	1.092	7	28	1630109	1630109A	50	10
1.1		7	28	1630110	1630110A		10
1.15		7	28		1630115A	50	10
No.56	1.181	8	30	1630118	1630118A	50	10
3/64	1.191	8	30	1630119	1630119A	50	10
1.2		8	30	1630120	1630120A		10
1.25		8	30	1630125		50	10
1.3		8	30	1630130	1630130A		10
No.55	1.321	9	32	1630132	1630132A	50	10
1.35		9	32	1630135	1630135A	50	10
No.54	1.397	9	32	1630139	1630139A	50	10
1.4		9	32	1630140	1630140A		10
1.45		9	32	1630145	1630145A	50	10
1.5		9	32	1630150	1630150A		10
No.53	1.511	10	34	1630152	1630152A	50	10
1.55		10	34	1630155	1630155A	50	10
1/16	1.587	10	34	1630159	1630159A	50	10
1.6		10	34	1630160	1630160A		10
No.52	1.613	10	34	1630161	1630161A	50	10
1.65		10	34	1630165	1630165A	50	10
1.67		10	34	1630167	1630167A	50	10
1.7		10	34	1630170	1630170A		10
No.51	1.702	11	36	1630169	1630169A	50	10
1.75		11	36	1630175	1630175A	50	10
No.50	1.778	11	36	1630178	1630178A	50	10
1.8		11	36	1630180	1630180A		10
No.49	1.854	11	36	1630185	1630185A	50	10
1.9		11	36	1630190	1630190A		10
No.48	1.930	12	38	1630193	1630193A	50	10
1.95		12	38	1630195	1630195A	50	10
5/64	1.984	12	38	1630198	1630198A	50	10
No.47	1.994	12	38	1630199	1630199A	50	10
2		12	38	1630200	1630200A		10
2.05		12	38	1630205	1630205A	50	10
No.46	2.057	12	38	1630206	1630206A	50	10
No.45	2.083	12	38	1630208	1630208A	50	10
2.1		12	38	1630210	1630210A		10
2.15		13	40	1630215	1630215A	50	10
No.44	2.184	13	40	1630218	1630218A	50	10
2.2		13	40	1630220	1630220A		10
2.25		13	40	1630225	1630225A	50	10
No.43	2.261	13	40	1630226	1630226A	50	10
2.3		13	40	1630230	1630230A		10
2.35		13	40	1630235		50	10
No.42	2.375	14	43	1630237	1630237A	50	10
3/32	2.381	14	43	1630238	1630238A	50	10
2.4		14	43	1630240	1630240A		10
No.41	2.438	14	43	1630244	1630244A	50	10
2.45		14	43	1630245	1630245A	50	10
2.48		14	43		1630248A	50	10
No.40	2.489	14	43	1630249	1630249A	50	10
2.5		14	43	1630250	1630250A		10
No.39	2.527	14	43	1630253	1630253A	50	10
2.55		14	43	1630255		50	10

d	mm Equiv.	l ₂	l ₁	Code		MOQ	Qty
				Bright Finish	TiAIN		
No.38	2.578	14	43	1630258	1630258A	50	10
2.6		14	43	1630260	1630260A		10
No.37	2.642	14	43	1630264	1630264A	50	10
2.7		16	46	1630270	1630270A		10
No.36	2.705	16	46	1630271	1630271A	50	10
2.75		16	46	1630275	1630275A	50	10
7/64	2.778	16	46	1630278	1630278A	50	10
No.35	2.794	16	46	1630279	1630279A	50	10
2.8		16	46	1630280	1630280A		10
No.34	2.819	16	46	1630282	1630282A	50	10
2.85		16	46	1630285	1630285A	50	10
No.33	2.870	16	46	1630287	1630287A	50	10
2.9		16	46	1630290	1630290A		10
No.32	2.946	16	46	1630295	1630295A	50	10
3		16	46	1630300	1630300A		10
No.31	3.048	18	49	1630305	1630305A	50	10
3.1		18	49	1630310	1630310A		10
3.15		18	49	1630315	1630315A	50	10
1/8	3.175	18	49	1630318	1630318A	50	10
3.2		18	49	1630320	1630320A		10
3.22		18	49	1630322	1630322A	50	10
3.23		18	49	1630323	1630323A	50	10
3.25		18	49	1630325	1630325A	50	10
No.30	3.264	18	49	1630326	1630326A	50	10
3.3		18	49	1630330	1630330A		10
3.35		18	49	1630335	1630335A	50	10
3.4		20	52	1630340	1630340A		10
No.29	3.454	20	52	1630345	1630345A	50	10
3.5		20	52	1630350	1630350A		10
9/64	3.572	20	52	1630357	1630357A	50	10
3.6		20	52	1630360	1630360A		10
No.27	3.658	20	52	1630366	1630366A	50	10
3.7		20	52	1630370	1630370A		10
No.26	3.734	20	52	1630373	1630373A	50	10
No.25	3.797	22	55	1630379	1630379A	50	10
3.8		22	55	1630380	1630380A		10
No.24	3.861	22	55	1630386	1630386A	50	10
3.9		22	55	1630390	1630390A		10
No.23	3.912	22	55	1630391	1630391A	50	10
5/32	3.969	22	55	1630397	1630397A	50	10
No.22	3.988	22	55	1630399	1630399A	50	10
4		22	55	1630400	1630400A		10
No.21	4.039	22	55	1630404	1630404A	50	10
No.20	4.089	22	55	1630409	1630409A	50	10
4.1		22	55	1630410	1630410A		10
4.2		22	55	1630420	1630420A		10
No.19	4.216	22	55	1630422	1630422A	50	10
4.25		22	55	1630425	1630425A	50	10
4.3		24	58	1630430	1630430A		10
No.18	4.305	24	58	1630431	1630431A	50	10
11/64	4.366	24	58	1630437	1630437A	50	10
No.17	4.394	24	58	1630439	1630439A	50	10
4.4		24	58	1630440	1630440A		10
4.45		24	58		1630445A	50	10
No.16	4.496	24	58	1630449	1630449A	50	10
4.5		24	58	1630450	1630450A		10
No.15	4.572	24	58	1630457	1630457A	50	10

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STRAIGHT
SHANK DRILLS



shaping your dreams



UDL Stub Drills

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



Forets extra-courts UDL

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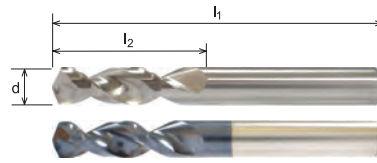


Сверла UDL короткой серии

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OSG GROUP COMPANY



Code
163

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 letter	DIN 1897	HSS Co5
3xD	TYPE FS	
	40°	BRIGHT FINISH TiAIN

Cutting Data	
pg 45	



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		MOQ	Qty ↓
				Bright Finish	TiAIN		

... from previous page

4.6		24	58	1630460	1630460A		10
No.14	4.623	24	58		1630462A	50	10
No.13	4.699	24	58	1630469	1630469A	50	10
4.7		24	58	1630470	1630470A		10
4.75		24	58	1630475	1630475A	50	10
3/16	4.762	26	62	1630476	1630476A	50	10
No.12	4.800	26	62	1630479	1630479A	50	10
4.8		26	62	1630480	1630480A		10
No.11	4.851	26	62	1630485	1630485A	50	10
4.9		26	62	1630490	1630490A		10
No.10	4.915	26	62	1630492	1630492A	50	10
No.9	4.978	26	62	1630498	1630498A	50	10
5		26	62	1630500	1630500A		10
No.8	5.055	26	62	1630506	1630506A	50	10
5.1		26	62	1630510	1630510A		10
No.7	5.105	26	62	1630511	1630511A	50	10
13/64	5.159	26	62	1630516	1630516A	50	10
No.6	5.182	26	62	1630518	1630518A	50	10
5.2		26	62	1630520	1630520A		10
No.5	5.220	26	62	1630522	1630522A	50	10
5.3		26	62	1630530	1630530A		10
No.4	5.309	28	66	1630532	1630532A	50	10
5.4		28	66	1630540	1630540A		10
No.3	5.410	28	66	1630541	1630541A	50	10
5.5		28	66	1630550	1630550A		10
7/32	5.556	28	66	1630556	1630556A	50	10
5.6		28	66	1630560	1630560A		10
No.2	5.613	28	66	1630561	1630561A	50	10
5.7		28	66	1630570	1630570A		10
5.75		28	66	1630575	1630575A	50	10
No.1	5.791	28	66	1630579	1630579A	50	10
5.8		28	66	1630580	1630580A		10
5.9		28	66	1630590	1630590A		10
LTR.A	5.944	28	66	1630594	1630594A	50	10
15/64	5.953	28	66	1630595	1630595A	50	10
6		28	66	1630600	1630600A		10
LTR.B	6.045	31	70	1630605	1630605A	30	10
6.1		31	70	1630610	1630610A		10
LTR.C	6.147	31	70	1630615	1630615A	30	10
6.2		31	70	1630620	1630620A		10
LTR.D	6.248	31	70	1630625	1630625A	30	10
6.3		31	70	1630630	1630630A		10
LTR.E	6.350	31	70	1630634	1630634A	30	10
1/4	6.350	31	70	1630635	1630635A	30	10
6.4		31	70	1630640	1630640A		10
6.5		31	70	1630650	1630650A		10
LTR.F	6.528	31	70	1630653	1630653A	30	10
6.6		31	70	1630660	1630660A		10
LTR.G	6.629	31	70	1630663	1630663A	30	10
6.7		31	70	1630670	1630670A		10
LTR.H	6.756	34	74	1630676	1630676A	30	10
17/64	6.747	34	74	1630677	1630677A	30	10
6.8		34	74	1630680	1630680A		10
6.9		34	74	1630690	1630690A		10
LTR.I	6.909	34	74	1630691	1630691A	30	10
7		34	74	1630700	1630700A		10
LTR.J	7.036	34	74	1630704	1630704A	30	10

d	mm Equiv.	l2	l1	Code		MOQ	Qty ↓
				Bright Finish	TiAIN		

7.1		34	74	1630710	1630710A		10
LTR.K	7.137	34	74	1630713	1630713A	30	10
9/32	7.144	34	74	1630714	1630714A	30	10
7.2		34	74	1630720	1630720A		10
7.25		34	74	1630725	1630725A	30	10
7.3		34	74	1630730	1630730A		10
LTR.L	7.366	34	74	1630737	1630737A	30	10
7.4		34	74	1630740	1630740A		10
LTR.M	7.493	34	74	1630749	1630749A	30	10
7.5		34	74	1630750	1630750A		10
19/64	7.541	37	79	1630754	1630754A	30	10
7.6		37	79	1630760	1630760A		10
LTR.N	7.671	37	79	1630767	1630767A	30	10
7.7		37	79	1630770	1630770A		10
7.8		37	79	1630780	1630780A		10
7.9		37	79	1630790	1630790A		10
5/16	7.937	37	79	1630794	1630794A	30	10
8		37	79	1630800	1630800A		10
LTR.O	8.026	37	79	1630803	1630803A	30	10
8.1		37	79	1630810	1630810A		10
8.2		37	79	1630820	1630820A		10
LTR.P	8.204	37	79	1630821	1630821A	30	10
8.3		37	79	1630830	1630830A		10
21/64	8.334	37	79	1630833	1630833A	30	10
8.4		37	79	1630840	1630840A		10
LTR.Q	8.433	37	79	1630843	1630843A	30	10
8.5		37	79	1630850	1630850A		10
8.6		40	84	1630860	1630860A		10
LTR.R	8.611	40	84	1630861	1630861A	30	10
8.7		40	84	1630870	1630870A		10
11/32	8.731	40	84	1630873	1630873A	30	10
8.8		40	84	1630880	1630880A		10
LTR.S	8.839	40	84	1630884	1630884A	30	10
8.9		40	84	1630890	1630890A		10
9		40	84	1630900	1630900A		10
LTR.T	9.093	40	84	1630909	1630909A	30	10
9.1		40	84	1630910	1630910A		10
23/64	9.128	40	84	1630913	1630913A	30	10
9.2		40	84	1630920	1630920A		10
9.3		40	84	1630930	1630930A		10
LTR.U	9.347	40	84	1630935	1630935A	30	10
9.4		40	84	1630940	1630940A		10
9.5		40	84	1630950	1630950A		10
3/8	9.525	43	89	1630953	1630953A	30	5
LTR.V	9.576	43	89	1630958	1630958A	30	5
9.6		43	89	1630960	1630960A		5
9.7		43	89	1630970	1630970A		5
9.8		43	89	1630980	1630980A		5
LTR.W	9.804	43	89	1630981	1630981A	30	5
9.9		43	89	1630990	1630990A		5
25/64	9.922	43	89	1630992	1630992A	30	5
10		43	89	1631000	1631000A		5
LTR.X	10.084	43	89	1631008	1631008A	20	5
10.2		43	89	1631020	1631020A		5
LTR.Y	10.262	43	89	1631026	1631026A	20	5
13/32	10.319	43	89	1631032	1631032A	20	5
LTR.Z	10.490	43	89	1631049	1631049A	20	5

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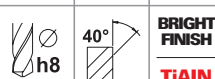
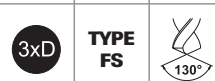




OSG GROUP COMPANY

Code
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Properties



Cutting Data

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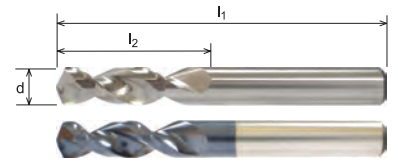
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P				M				K				Ti			Ni			Cu				N				Syn						
1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○							○	○	○	○	○	○	○	○	○	○	○

d	mm Equiv.	l ₂	l ₁	Code		MOQ	Qty
				Bright Finish	TiAIN		
... from previous page							
10.5		43	89	1631050	1631050A	5	
27/64	10.716	47	95	1631072	1631072A	20	5
10.8		47	95	1631080	1631080A	5	
11		47	95	1631100	1631100A	5	
7/16	11.112	47	95	1631111	1631111A	20	5
11.2		47	95	1631120	1631120A	5	
11.5		47	95	1631150	1631150A	5	
29/64	11.509	47	95	1631151	1631151A	20	5
15/32	11.906	51	102		1631191A	20	5

d	mm Equiv.	l ₂	l ₁	Code		MOQ	Qty
				Bright Finish	TiAIN		
12		51	102	1631200	1631200A		5
31/64	12.303	51	102	1631229	1631229A	20	5
12.5		51	102	1631250	1631250A		5
1/2	12.700	51	102	1631269	1631269A	20	5
13		51	102	1631300	1631300A		5
33/64	13.097	51	102	1631310	1631310A	20	1
17/32	13.494	54	107	1631349			20
35/64	13.891	54	107	1631389	1631389A	20	1
14		54	107	1631400			20

Available on request (See MOQ)



STRAIGHT SHANK DRILLS



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