

X-Ratio Straight Shank Jobber Drills
For general purpose drilling.

Forets Extra-Courts à axe droit X-Ratio
À usage général en perçage.

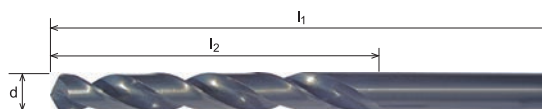
X-Ratio Spiralbohrer, gerade
Für allgemeines Bohren.

Brocas de vástago recto X-Ratio
Para taladrado general.

Сверла средней серии с цилиндрическим хвостовиком серии X-Ratio
Для сверления отверстий общего применения.



OSG GROUP COMPANY



Codes
Códigos
Коды

1X2, 1X5

P	P	P	P	K	K	N	N	N	N
1.1	1.2	1.3	1.4	3.1	3.2	7.1	7.2	7.3	7.4

d		l ₂	l ₁	Code Código Код	
mm	inch			Standard Point Pointe Standard Standardspitze Punta estándar Стандартная вершина	Split Point Pointe en croix Kreuzanschliff Punta afilada en cruz Вершина Split Point
1		12	34	1X20100	-
1.1		14	36	1X20110	-
1.191	3/64	16	38	1X20119	-
1.2		16	38	1X20120	-
1.3		16	38	1X20130	-
1.4		18	40	1X20140	-
1.5		18	40	1X20150	-
1.587	1/16	20	43	1X20159	-
1.6		20	43	1X20160	-
1.7		20	43	1X20170	-
1.8		22	46	1X20180	-
1.9		22	46	1X20190	-
1.984	5/64	24	49	1X20198	-
2		24	49	1X20200	-
2.1		24	49	1X20210	-
2.2		27	53	1X20220	-
2.3		27	53	1X20230	-
2.381	3/32	30	57	1X20238	-
2.4		30	57	1X20240	-
2.5		30	57	1X20250	-
2.6		30	57	1X20260	-
2.7		33	61	1X20270	-
2.778	7/64	33	61	1X20278	-
2.8		33	61	1X20280	-
2.9		33	61	1X20290	-
3		33	61	1X20300	1X50300
3.1		36	65	1X20310	1X50310
3.175	1/8	36	65	1X20318	1X50318
3.2		36	65	1X20320	1X50320
3.3		36	65	1X20330	1X50330
3.4		39	70	1X20340	1X50340
3.5		39	70	1X20350	1X50350
3.572	9/64	39	70	1X20357	1X50357
3.6		39	70	1X20360	1X50360
3.7		39	70	1X20370	1X50370
3.8		43	75	1X20380	1X50380
3.9		43	75	1X20390	1X50390
3.969	5/32	43	75	1X20397	1X50397
4		43	75	1X20400	1X50400
4.1		43	75	1X20410	1X50410
4.2		43	75	1X20420	1X50420
4.3		47	80	1X20430	1X50430
4.366	11/64	47	80	1X20437	1X50437
4.4		47	80	1X20440	1X50440
4.5		47	80	1X20450	1X50450
4.6		47	80	1X20460	1X50460
4.7		47	80	1X20470	1X50470
4.762	3/16	52	86	1X20476	1X50476
4.8		52	86	1X20480	1X50480
4.9		52	86	1X20490	1X50490
5		52	86	1X20500	1X50500
5.1		52	86	1X20510	1X50510
5.159	13/64	52	86	1X20516	1X50516
5.2		52	86	1X20520	1X50520
5.3		52	86	1X20530	1X50530
5.4		57	93	1X20540	1X50540
5.5		57	93	1X20550	1X50550
5.556	7/32	57	93	1X20556	1X50556

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5.6		57	93	1X20560	1X50560
5.7		57	93	1X20570	1X50570
5.8		57	93	1X20580	1X50580
5.9		57	93	1X20590	1X50590
5.953	15/64	57	93	1X20595	1X50595
6		57	93	1X20600	1X50600
6.1		63	101	1X20610	1X50610
6.2		63	101	1X20620	1X50620
6.3		63	101	1X20630	1X50630
6.350	1/4	63	101	1X20635	1X50635
6.4		63	101	1X20640	1X50640
6.5		63	101	1X20650	1X50650
6.6		63	101	1X20660	1X50660
6.7		63	101	1X20670	1X50670
6.747	17/64	69	109	1X20675	1X50675
6.8		69	109	1X20680	1X50680
6.9		69	109	1X20690	1X50690
7		69	109	1X20700	1X50700
7.1		69	109	1X20710	1X50710
7.144	9/32	69	109	1X20714	1X50714
7.2		69	109	1X20720	1X50720
7.3		69	109	1X20730	1X50730
7.4		69	109	1X20740	1X50740
7.5		69	109	1X20750	1X50750
7.541	19/64	75	117	1X20754	1X50754
7.6		75	117	1X20760	1X50760
7.7		75	117	1X20770	1X50770
7.8		75	117	1X20780	1X50780
7.9		75	117	1X20790	1X50790
7.937	5/16	75	117	1X20794	1X50794
8		75	117	1X20800	1X50800
8.1		75	117	1X20810	1X50810
8.2		75	117	1X20820	1X50820
8.3		75	117	1X20830	1X50830
8.334	21/64	75	117	1X20833	1X50833
8.4		75	117	1X20840	1X50840
8.5		75	117	1X20850	1X50850
8.6		81	125	1X20860	1X50860
8.7		81	125	1X20870	1X50870
8.731	11/32	81	125	1X20873	1X50873
8.8		81	125	1X20880	1X50880
8.9		81	125	1X20890	1X50890
9		81	125	1X20900	1X50900
9.1		81	125	1X20910	1X50910
9.128	23/64	81	125	1X20913	1X50913
9.2		81	125	1X20920	1X50920
9.3		81	125	1X20930	1X50930
9.4		81	125	1X20940	1X50940
9.5		81	125	1X20950	1X50950
9.525	3/8	87	133	1X20953	1X50953
9.6		87	133	1X20960	1X50960
9.7		87	133	1X20970	1X50970
9.8		87	133	1X20980	1X50980
9.9		87	133	1X20990	1X50990
9.922	25/64	87	133	1X20992	1X50992
10		87	133	1X21000	1X51000
10.1		87	133	1X21010	1X51010

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Propriétés
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Eigenschaften
Propiedades
Свойства

1X2
Standard Point
Pointe Standard
Standardspitze
Punta estándar
Стандартная вершина

1X5
Split Point
Pointe en croix
Kreuzanschliff
Punta afilada en cruz
Вершина Split Point

mm	DIN	HSS
inch	338	
5xD	TYPE N	118°
h8	30°	BLUE FINISH

Cutting Data
Données de coupe
Schnittdaten
Datos de corte
Характеристики резания

pg 61



Qty



10 ≤ 9.9mm
5 ≤ 13.0mm
1 > 13.0mm



**STRAIGHT
SHANK DRILLS**
FORETS À
QUEUE DROITE
BOHRER MIT
ZYLINDERSCHAFT
BROCAS DE
MANGO RECTO
СВЕРЛА С
ЦИЛИНДРИЧЕСКИМ
ХВОСТОВИКОМ





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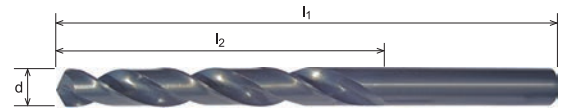
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10.2		87	133	1X21020	1X51020
10.3		87	133	1X21030	1X51030
10.319	13/32	87	133	1X21032	1X51032
10.4		87	133	1X21040	1X51040
10.5		87	133	1X21050	1X51050
10.6		87	133	1X21060	1X51060
10.7		94	142	1X21070	1X51070
10.716	27/64	94	142	1X21072	1X51072
10.8		94	142	1X21080	1X51080
10.9		94	142	1X21090	1X51090
11		94	142	1X21100	1X51100
11.1		94	142	1X21110	1X51110
11.112	7/16	94	142	1X21111	1X51111
11.2		94	142	1X21120	1X51120
11.3		94	142	1X21130	1X51130
11.4		94	142	1X21140	1X51140
11.5		94	142	1X21150	1X51150
11.509	29/64	94	142	1X21151	1X51151
11.6		94	142	1X21160	1X51160
11.7		94	142	1X21170	1X51170
11.8		94	142	1X21180	1X51180
11.9		101	151	1X21190	1X51190
11.906	15/32	101	151	1X21191	1X51191
12		101	151	1X21200	1X51200
12.1		101	151	1X21210	1X51210
12.3		101	151	1X21230	1X51230
12.303	31/64	101	151	1X21229	1X51229
12.4		101	151	1X21240	1X51240
12.5		101	151	1X21250	1X51250
12.6		101	151	1X21260	1X51260
12.7		101	151	1X21270	1X51270
12.700	1/2	101	151	1X21269	1X51269
12.8		101	151	1X21280	1X51280

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12.9		101	151	1X21290	1X51290
13		101	151	1X21300	1X51300
13.097	33/64	101	151	1X21309	1X51309
13.1		101	151	1X21310	1X51310
13.2		101	151	1X21320	1X51320
13.25		108	160	1X21325	1X51325
13.3		108	160	1X21330	1X51330
13.4		108	160	1X21340	1X51340
13.494	17/32	108	160	1X21349	1X51349
13.5		108	160	1X21350	1X51350
13.6		108	160	1X21360	1X51360
13.7		108	160	1X21370	1X51370
13.8		108	160	1X21380	1X51380
13.891	35/64	108	160	1X21389	1X51389
14		108	160	1X21400	1X51400
14.25		114	169	1X21425	1X51425
14.287	9/16	114	169	1X21429	1X51429
14.5		114	169	1X21450	1X51450
14.684	37/64	114	169	1X21468	1X51468
14.75		114	169	1X21475	1X51475
15		114	169	1X21500	1X51500
15.25		120	178	1X21525	1X51525
15.5		120	178	1X21550	1X51550
15.75		120	178	1X21575	1X51575
15.875	5/8	120	178	1X21588	1X51588
16		120	178	1X21600	1X51600
16.5		125	184	1X21650	1X51650
17		125	184	1X21700	1X51700
17.5		130	191	1X21750	1X51750
18		130	191	1X21800	1X51800
18.5		135	198	1X21850	1X51850
19		135	198	1X21900	1X51900
19.5		140	205	1X21950	1X51950
20		140	205	1X22000	1X52000



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shaping your dreams