

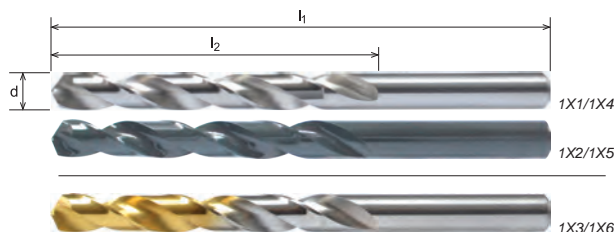
X-Ratio Straight Shank Jobber Drills
For general purpose drilling.

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.



Codes

1X1-1X6

Properties



mm inch	DIN 338	HSS
5xD	TYPE N	118°
h8	30°	BRIGHT FINISH
BLUE FINISH	BRIGHT FINISH WITH TIN TIP	

Cutting Data

pg 41



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 inch	l2	l1	Code								MOQ	Qty ↓ ↑
			Bright Finish		Blue Finish		Bright Finish with TiN Tip		MOQ	Qty ↓ ↑		
			Standard Point	Split Point	Standard Point	Split Point	Standard Point	Split Point				
1	12	34	1X10100		1X20100		1X30100		100	10		
1.1	14	36	1X10110		1X20110		1X30110		100	10		
1.191	3/64	16	38	1X10119		1X20119		1X30119		10		
1.2	16	38	1X10120		1X20120		1X30120		100	10		
1.3	16	38	1X10130		1X20130		1X30130		100	10		
1.4	18	40	1X10140		1X20140		1X30140		100	10		
1.5	18	40	1X10150		1X20150		1X30150		100	10		
1.587	1/16	20	43	1X10159		1X20159		1X30159		10		
1.6	20	43	1X10160		1X20160		1X30160		100	10		
1.7	20	43	1X10170		1X20170		1X30170		100	10		
1.8	22	46	1X10180		1X20180		1X30180		100	10		
1.9	22	46	1X10190		1X20190		1X30190		100	10		
1.984	5/64	24	49	1X10198		1X20198		1X30198		10		
2	24	49	1X10200		1X20200		1X30200		100	10		
2.1	24	49	1X10210		1X20210		1X30210		100	10		
2.2	27	53	1X10220		1X20220		1X30220		100	10		
2.3	27	53	1X10230		1X20230		1X30230		100	10		
2.381	3/32	30	57	1X10238		1X20238		1X30238		10		
2.4	30	57	1X10240		1X20240		1X30240		100	10		
2.5	30	57	1X10250		1X20250		1X30250		100	10		
2.6	30	57	1X10260		1X20260		1X30260		100	10		
2.7	33	61	1X10270		1X20270		1X30270		100	10		
2.778	7/64	33	61	1X10278		1X20278		1X30278		10		
2.8	33	61	1X10280		1X20280		1X30280		100	10		
2.9	33	61	1X10290		1X20290		1X30290		100	10		
3	33	61	1X10300	1X40300	1X20300	1X50300	1X30300	1X60300	100	10		
3.1	36	65	1X10310	1X40310	1X20310	1X50310	1X30310	1X60310	100	10		
3.175	1/8	36	65	1X10318	1X40318	1X20318	1X50318	1X30318	1X60318	10		
3.2	36	65	1X10320	1X40320	1X20320	1X50320	1X30320	1X60320	100	10		
3.3	36	65	1X10330	1X40330	1X20330	1X50330	1X30330	1X60330	100	10		
3.4	39	70	1X10340	1X40340	1X20340	1X50340	1X30340	1X60340	100	10		
3.5	39	70	1X10350	1X40350	1X20350	1X50350	1X30350	1X60350	100	10		
3.572	9/64	39	70	1X10357	1X40357	1X20357	1X50357	1X30357	1X60357	10		
3.6	39	70	1X10360	1X40360	1X20360	1X50360	1X30360	1X60360	100	10		
3.7	39	70	1X10370	1X40370	1X20370	1X50370	1X30370	1X60370	100	10		
3.8	43	75	1X10380	1X40380	1X20380	1X50380	1X30380	1X60380	100	10		
3.9	43	75	1X10390	1X40390	1X20390	1X50390	1X30390	1X60390	100	10		
3.969	5/32	43	75	1X10397	1X40397	1X20397	1X50397	1X30397	1X60397	10		
4	43	75	1X10400	1X40400	1X20400	1X50400	1X30400	1X60400	100	10		
4.1	43	75	1X10410	1X40410	1X20410	1X50410	1X30410	1X60410	100	10		
4.2	43	75	1X10420	1X40420	1X20420	1X50420	1X30420	1X60420	100	10		
4.3	47	80	1X10430	1X40430	1X20430	1X50430	1X30430	1X60430	100	10		
4.366	11/64	47	80	1X10437	1X40437	1X20437	1X50437	1X30437	1X60437	10		
4.4	47	80	1X10440	1X40440	1X20440	1X50440	1X30440	1X60440	100	10		
4.5	47	80	1X10450	1X40450	1X20450	1X50450	1X30450	1X60450	100	10		
4.6	47	80	1X10460	1X40460	1X20460	1X50460	1X30460	1X60460	100	10		
4.7	47	80	1X10470	1X40470	1X20470	1X50470	1X30470	1X60470	100	10		
4.762	3/16	52	86	1X10476	1X40476	1X20476	1X50476	1X30476	1X60476	10		
4.8	52	86	1X10480	1X40480	1X20480	1X50480	1X30480	1X60480	100	10		
4.9	52	86	1X10490	1X40490	1X20490	1X50490	1X30490	1X60490	100	10		
5	52	86	1X10500	1X40500	1X20500	1X50500	1X30500	1X60500	100	10		
5.1	52	86	1X10510	1X40510	1X20510	1X50510	1X30510	1X60510	100	10		
5.159	13/64	52	86	1X10516	1X40516	1X20516	1X50516	1X30516	1X60516	10		
5.2	52	86	1X10520	1X40520	1X20520	1X50520	1X30520	1X60520	100	10		
5.3	52	86	1X10530	1X40530	1X20530	1X50530	1X30530	1X60530	100	10		
5.4	57	93	1X10540	1X40540	1X20540	1X50540	1X30540	1X60540	100	10		
5.5	57	93	1X10550	1X40550	1X20550	1X50550	1X30550	1X60550	100	10		
5.556	7/32	57	93	1X10556	1X40556	1X20556	1X50556	1X30556	1X60556	10		
5.6	57	93	1X10560	1X40560	1X20560	1X50560	1X30560	1X60560	100	10		

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OSG GROUP COMPANY

Codes

1X1-1X6

Properties



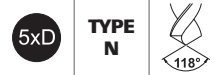
Standard Point
 Pointe Standard
 Standardspitze
 Punta estándar
 Стандартная вершина
 1X1, 1X2, 1X3



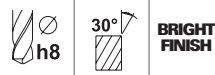
Split Point
 Pointe en croix
 Kreuzanschliff
 Punta afilada en cruz
 Вершина Split Point
 1X4, 1X5, 1X6

mm
inch

DIN 338
HSS



5xD
TYPE N
118°



h8
BRIGHT FINISH



BLUE FINISH
BRIGHT FINISH WITH TIN TIP

Cutting Data

pg 41



appsomtacoza

pg 147

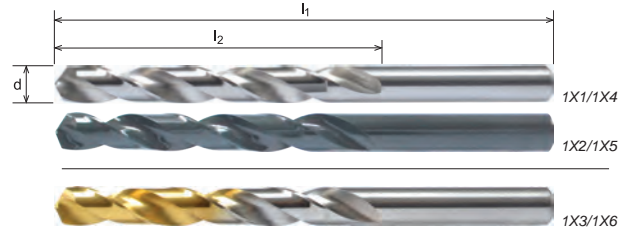
EN X-Ratio Straight Shank Jobber Drills
 For general purpose drilling.

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

DE X-Ratio Spiralbohrer, gerade
 Für allgemeines Bohren.

ES Brocas de vástago recto X-Ratio
 Para taladrado general.

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



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	l ₂	l ₁	Code								MOQ	Qty ↓ ☒
			Bright Finish		Blue Finish		Bright Finish with TiN Tip					
			Standard Point	Split Point	Standard Point	Split Point	Standard Point	Split Point				

... from previous page											
17	125	184	1X11700		1X21700		1X31700			10	1
17.5	130	191	1X11750		1X21750		1X31750			10	1
18	130	191	1X11800		1X21800		1X31800			10	1
18.5	135	198	1X11850		1X21850		1X31850			10	1
19	135	198	1X11900		1X21900		1X31900			10	1
19.5	140	205	1X11950		1X21950		1X31950			10	1
20	140	205	1X12000		1X22000		1X32000			10	1

Not available once current stock is depleted
 Available on request (See MOQ)



STRAIGHT
SHANK DRILLS



shaping your dreams