



OSG GROUP COMPANY

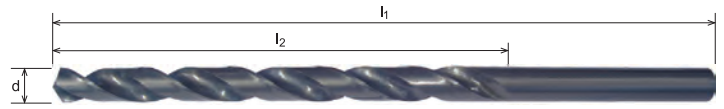
**Straight Shank Long Series Drills**  
For long reach drilling.

**Forets longs à queue cylindrique**  
À usage perçage profond.

**Bohrer mit Zylinderschaft, lange Serie**  
Für Bohren mit langer Reichweite.

**Brocas de serie larga mango recto**  
Para taladrado de largo alcance.

**Сверла с цилиндрическим  
хвостовиком длинной серии**  
Сверла назначения для сверления  
глубоких отверстий.



**Codes**  
**116, 117**

**Properties**



mm inch	DIN 340	HSS
10xD	TYPE N	118°
h8	30°	BLUE FINISH

**Cutting Data**



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 <sub>2</sub>	l <sub>1</sub>	Code	Qty
mm	inch				
1		33	56	1160100	10
1.1		37	60	1160110	10
1.2		41	65	1160120	10
1.3		41	65	1160130	10
1.4		45	70	1160140	10
1.5		45	70	1160150	10
1.587	1/16	50	76	1170159	10
1.6		50	76	1160160	10
1.7		50	76	1160170	10
1.8		53	80	1160180	10
1.9		53	80	1160190	10
2		56	85	1160200	10
2.1		56	85	1160210	10
2.2		59	90	1160220	10
2.3		59	90	1160230	10
2.381	3/32	62	95	1170238	10
2.4		62	95	1160240	10
2.5		62	95	1160250	10
2.6		62	95	1160260	10
2.7		66	100	1160270	10
2.8		66	100	1160280	10
2.9		66	100	1160290	10
3		66	100	1160300	10
3.1		69	106	1160310	10
3.175	1/8	69	106	1170318	10
3.2		69	106	1160320	10
3.3		69	106	1160330	10
3.4		73	112	1160340	10
3.5		73	112	1160350	10
3.6		73	112	1160360	10
3.7		73	112	1160370	10
3.8		78	119	1160380	10
3.9		78	119	1160390	10
3.969	5/32	78	119	1170397	10
4		78	119	1160400	10
4.1		78	119	1160410	10
4.2		78	119	1160420	10
4.3		82	126	1160430	10
4.4		82	126	1160440	10
4.5		82	126	1160450	10
4.6		82	126	1160460	10
4.7		82	126	1160470	10
4.762	3/16	87	132	1170476	10
4.8		87	132	1160480	10
4.9		87	132	1160490	10
5		87	132	1160500	10
5.1		87	132	1160510	10
5.2		87	132	1160520	10
5.3		87	132	1160530	10
5.4		91	139	1160540	10
5.5		91	139	1160550	10
5.556	7/32	91	139	1170556	10
5.6		91	139	1160560	10
5.7		91	139	1160570	10
5.8		91	139	1160580	10

d		l <sub>2</sub>	l <sub>1</sub>	Code	Qty
mm	inch				
5.9		91	139	1160590	10
6		91	139	1160600	10
6.1		97	148	1160610	10
6.2		97	148	1160620	10
6.3		97	148	1160630	10
6.350	1/4	97	148	1170635	10
6.4		97	148	1160640	10
6.5		97	148	1160650	10
6.6		97	148	1160660	10
6.7		97	148	1160670	10
6.8		102	156	1160680	10
6.9		102	156	1160690	10
7		102	156	1160700	10
7.1		102	156	1160710	10
7.144	9/32	102	156	1170714	10
7.2		102	156	1160720	10
7.3		102	156	1160730	10
7.4		102	156	1160740	10
7.5		102	156	1160750	10
7.6		109	165	1160760	10
7.7		109	165	1160770	10
7.8		109	165	1160780	10
7.9		109	165	1160790	10
7.937	5/16	109	165	1170794	10
8		109	165	1160800	10
8.2		109	165	1160820	10
8.5		109	165	1160850	10
8.731	11/32	115	175	1170873	10
8.8		115	175	1160880	10
9		115	175	1160900	10
9.2		115	175	1160920	10
9.5		115	175	1160950	10
9.525	3/8	121	184	1170953	5
9.8		121	184	1160980	5
10		121	184	1161000	5
10.2		121	184	1161020	5
10.319	13/32	121	184	1171032	5
10.5		121	184	1161050	5
10.8		128	195	1161080	5
11		128	195	1161100	5
11.112	7/16	128	195	1171111	5
11.2		128	195	1161120	5
11.5		128	195	1161150	5
11.8		128	195	1161180	5
12		134	205	1161200	5
12.2		134	205	1161220	5
12.5		134	205	1161250	5
12.700	1/2	134	205	1171270	5
12.8		134	205	1161280	5
13		134	205	1161300	5
14		140	214	1161400	1
14.287	9/16	144	220	1171429	1
15		144	220	1161500	1
15.875	5/8	149	227	1171588	1
16		149	227	1161600	1



STRAIGHT  
SHANK DRILLS



shaping your dreams