



OSG GROUP COMPANY



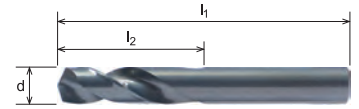
Straight Shank Stub Drills
A robust drill suited to portable drill application.

Forets extra courts à queue droite
Un foret robuste adapté aux applications de perçage portatives.

Bohrer mit Zylinderschaft, extra kurz
Ein robuster, für tragbare Bohrgeräte geeigneter Bohrer.

Brocas cortas de mango recto
Una broca resistente adaptada a las aplicaciones de taladrado móviles.

Сверла с цилиндрическим хвостовиком короткой серии
Прочное сверло для применения в портативных дрелях.



| Code |
|------------|
| 141 |

| Properties | | |
|---|----------|-------------|
| <p>Standard Point Pointe Standard Standardspitze Punta estándar Стандартная вершина</p> | | |
| mm | DIN 1897 | HSS |
| 3xD | TYPE N | |
| | 30° | BLUE FINISH |

| Cutting Data | |
|--------------|--|
| pg 42 | |

| 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 | Qty |
|-----|----------------|----------------|---------|-----|
| 1.5 | 9 | 32 | 1410150 | 10 |
| 1.6 | 10 | 34 | 1410160 | 10 |
| 1.8 | 11 | 36 | 1410180 | 10 |
| 2 | 12 | 38 | 1410200 | 10 |
| 2.1 | 12 | 38 | 1410210 | 10 |
| 2.2 | 13 | 40 | 1410220 | 10 |
| 2.3 | 13 | 40 | 1410230 | 10 |
| 2.4 | 14 | 43 | 1410240 | 10 |
| 2.5 | 14 | 43 | 1410250 | 10 |
| 2.6 | 14 | 43 | 1410260 | 10 |
| 2.7 | 16 | 46 | 1410270 | 10 |
| 2.8 | 16 | 46 | 1410280 | 10 |
| 2.9 | 16 | 46 | 1410290 | 10 |
| 3 | 16 | 46 | 1410300 | 10 |
| 3.1 | 18 | 49 | 1410310 | 10 |
| 3.2 | 18 | 49 | 1410320 | 10 |
| 3.3 | 18 | 49 | 1410330 | 10 |
| 3.4 | 20 | 52 | 1410340 | 10 |
| 3.5 | 20 | 52 | 1410350 | 10 |
| 3.6 | 20 | 52 | 1410360 | 10 |
| 3.7 | 20 | 52 | 1410370 | 10 |
| 3.8 | 22 | 55 | 1410380 | 10 |
| 3.9 | 22 | 55 | 1410390 | 10 |
| 4 | 22 | 55 | 1410400 | 10 |
| 4.1 | 22 | 55 | 1410410 | 10 |
| 4.2 | 22 | 55 | 1410420 | 10 |
| 4.3 | 24 | 58 | 1410430 | 10 |
| 4.4 | 24 | 58 | 1410440 | 10 |
| 4.5 | 24 | 58 | 1410450 | 10 |
| 4.6 | 24 | 58 | 1410460 | 10 |
| 4.7 | 24 | 58 | 1410470 | 10 |
| 4.8 | 26 | 62 | 1410480 | 10 |
| 4.9 | 26 | 62 | 1410490 | 10 |
| 5 | 26 | 62 | 1410500 | 10 |
| 5.1 | 26 | 62 | 1410510 | 10 |
| 5.2 | 26 | 62 | 1410520 | 10 |
| 5.3 | 26 | 62 | 1410530 | 10 |
| 5.4 | 28 | 66 | 1410540 | 10 |
| 5.5 | 28 | 66 | 1410550 | 10 |
| 5.6 | 28 | 66 | 1410560 | 10 |
| 5.7 | 28 | 66 | 1410570 | 10 |
| 5.8 | 28 | 66 | 1410580 | 10 |
| 5.9 | 28 | 66 | 1410590 | 10 |
| 6 | 28 | 66 | 1410600 | 10 |
| 6.1 | 31 | 70 | 1410610 | 10 |
| 6.2 | 31 | 70 | 1410620 | 10 |
| 6.3 | 31 | 70 | 1410630 | 10 |
| 6.4 | 31 | 70 | 1410640 | 10 |

| d | l ₂ | l ₁ | Code | Qty |
|------|----------------|----------------|---------|-----|
| 6.5 | 31 | 70 | 1410650 | 10 |
| 6.8 | 34 | 74 | 1410680 | 10 |
| 7 | 34 | 74 | 1410700 | 10 |
| 7.2 | 34 | 74 | 1410720 | 10 |
| 7.5 | 34 | 74 | 1410750 | 10 |
| 7.8 | 37 | 79 | 1410780 | 10 |
| 8 | 37 | 79 | 1410800 | 10 |
| 8.2 | 37 | 79 | 1410820 | 10 |
| 8.5 | 37 | 79 | 1410850 | 10 |
| 8.8 | 40 | 84 | 1410880 | 10 |
| 9 | 40 | 84 | 1410900 | 10 |
| 9.5 | 40 | 84 | 1410950 | 10 |
| 9.8 | 43 | 89 | 1410980 | 5 |
| 10 | 43 | 89 | 1411000 | 5 |
| 10.2 | 43 | 89 | 1411020 | 5 |
| 10.5 | 43 | 89 | 1411050 | 5 |
| 10.8 | 47 | 95 | 1411080 | 5 |
| 11 | 47 | 95 | 1411100 | 5 |
| 11.2 | 47 | 95 | 1411120 | 5 |
| 11.5 | 47 | 95 | 1411150 | 5 |
| 11.8 | 47 | 95 | 1411180 | 5 |
| 12 | 51 | 102 | 1411200 | 5 |
| 12.2 | 51 | 102 | 1411220 | 5 |
| 12.5 | 51 | 102 | 1411250 | 5 |
| 12.8 | 51 | 102 | 1411280 | 5 |
| 13 | 51 | 102 | 1411300 | 5 |
| 13.2 | 51 | 102 | 1411320 | 1 |
| 13.5 | 54 | 107 | 1411350 | 1 |
| 13.8 | 54 | 107 | 1411380 | 1 |
| 14 | 54 | 107 | 1411400 | 1 |
| 14.5 | 56 | 111 | 1411450 | 1 |
| 15 | 56 | 111 | 1411500 | 1 |
| 15.5 | 58 | 115 | 1411550 | 1 |
| 16 | 58 | 115 | 1411600 | 1 |
| 16.5 | 60 | 119 | 1411650 | 1 |
| 17 | 60 | 119 | 1411700 | 1 |
| 17.5 | 62 | 123 | 1411750 | 1 |
| 18 | 62 | 123 | 1411800 | 1 |
| 18.5 | 64 | 127 | 1411850 | 1 |
| 19 | 64 | 127 | 1411900 | 1 |
| 19.5 | 66 | 131 | 1411950 | 1 |
| 20 | 66 | 131 | 1412000 | 1 |
| 21 | 68 | 136 | 1412100 | 1 |
| 22 | 70 | 141 | 1412200 | 1 |
| 23 | 72 | 146 | 1412300 | 1 |
| 24 | 75 | 151 | 1412400 | 1 |
| 25 | 75 | 151 | 1412500 | 1 |

Not available once current stock is depleted



STRAIGHT SHANK DRILLS



shaping your dreams