

ZBNR 338 ...
HSS twisted drills
Type "N", tip 118°
Rolled type, cylindrical shank
Normal lengths to DIN338

ZBNR 338 ...
HSS Spiralbohrer
Typ "N", 118° Spitzenwinkel
Rollgewalzte Ausführung
Zylinderschaft
Normallängen nach DIN338

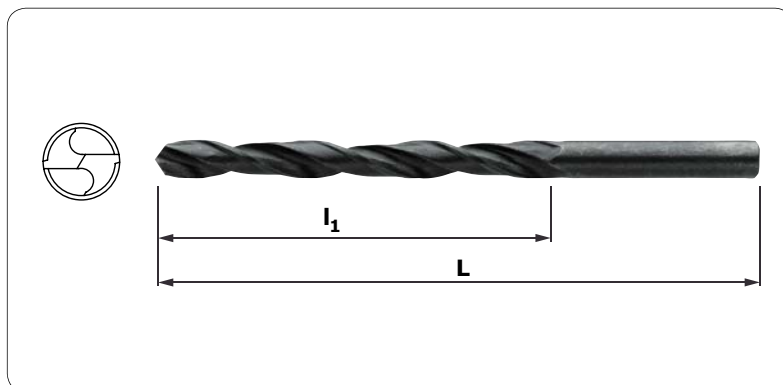
ZBNR 338 ...
Forets en HSS
Type "N", affûtage 118°
Type laminé
Queue cylindrique
Longueur normale selon DIN338

GRP
B13

FAM
204

DIN
338

HS1010
HSS
(OX)



P1 P2 P3 K1 K2 N5

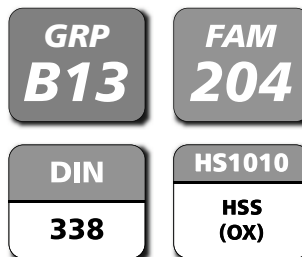
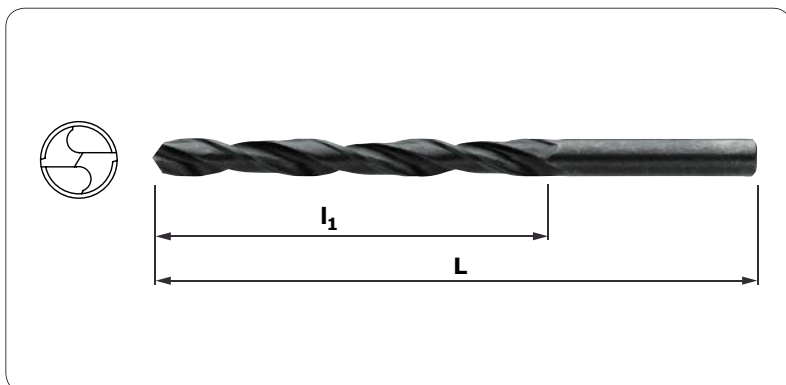
Item Nr.	Designation	ød ₁	L ₁	L
12.13.1652	ZBNR 338 0100 HS1010	1,0	12	34
12.13.1653	ZBNR 338 0110 HS1010	1,1	14	36
12.13.1654	ZBNR 338 0120 HS1010	1,2	16	38
12.13.1655	ZBNR 338 0130 HS1010	1,3	16	38
12.13.1656	ZBNR 338 0140 HS1010	1,4	18	40
12.13.1657	ZBNR 338 0150 HS1010	1,5	18	40
12.13.1658	ZBNR 338 0160 HS1010	1,6	20	43
12.13.1659	ZBNR 338 0170 HS1010	1,7	20	43
12.13.1660	ZBNR 338 0180 HS1010	1,8	22	46
12.13.1661	ZBNR 338 0190 HS1010	1,9	22	46
12.13.1662	ZBNR 338 0200 HS1010	2,0	24	49
12.13.1663	ZBNR 338 0210 HS1010	2,1	24	49
12.13.1664	ZBNR 338 0220 HS1010	2,2	27	53
12.13.1665	ZBNR 338 0230 HS1010	2,3	27	53
12.13.1666	ZBNR 338 0240 HS1010	2,4	30	57
12.13.1667	ZBNR 338 0250 HS1010	2,5	30	57
12.13.1668	ZBNR 338 0260 HS1010	2,6	30	57
12.13.1669	ZBNR 338 0270 HS1010	2,7	33	61
12.13.1670	ZBNR 338 0280 HS1010	2,8	33	61
12.13.1671	ZBNR 338 0290 HS1010	2,9	33	61
12.13.1672	ZBNR 338 0300 HS1010	3,0	33	61
12.13.1673	ZBNR 338 0310 HS1010	3,1	36	65
12.13.1674	ZBNR 338 0320 HS1010	3,2	36	65
12.13.1675	ZBNR 338 0330 HS1010	3,3	36	65
12.13.1676	ZBNR 338 0340 HS1010	3,4	39	70
12.13.1677	ZBNR 338 0350 HS1010	3,5	39	70
12.13.1678	ZBNR 338 0360 HS1010	3,6	39	70
12.13.1679	ZBNR 338 0370 HS1010	3,7	39	70
12.13.1680	ZBNR 338 0380 HS1010	3,8	43	75
12.13.1681	ZBNR 338 0390 HS1010	3,9	43	75
12.13.1682	ZBNR 338 0400 HS1010	4,0	43	75
12.13.1683	ZBNR 338 0410 HS1010	4,1	43	75
12.13.1684	ZBNR 338 0420 HS1010	4,2	43	75
12.13.1685	ZBNR 338 0430 HS1010	4,3	47	80
12.13.1686	ZBNR 338 0440 HS1010	4,4	47	80
12.13.1687	ZBNR 338 0450 HS1010	4,5	47	80
12.13.1688	ZBNR 338 0460 HS1010	4,6	47	80
12.13.1689	ZBNR 338 0470 HS1010	4,7	47	80
12.13.1690	ZBNR 338 0480 HS1010	4,8	52	86
12.13.1691	ZBNR 338 0490 HS1010	4,9	52	86
12.13.1692	ZBNR 338 0500 HS1010	5,0	52	86
12.13.1693	ZBNR 338 0510 HS1010	5,1	52	86
12.13.1694	ZBNR 338 0520 HS1010	5,2	52	86

Item Nr.	Designation	ød ₁	L ₁	L
12.13.1695	ZBNR 338 0530 HS1010	5,3	52	86
12.13.1696	ZBNR 338 0540 HS1010	5,4	57	93
12.13.1697	ZBNR 338 0550 HS1010	5,5	57	93
12.13.1698	ZBNR 338 0560 HS1010	5,6	57	93
12.13.1699	ZBNR 338 0570 HS1010	5,7	57	93
12.13.1700	ZBNR 338 0580 HS1010	5,8	57	93
12.13.1701	ZBNR 338 0590 HS1010	5,9	57	93
12.13.1702	ZBNR 338 0600 HS1010	6,0	57	93
12.13.1703	ZBNR 338 0610 HS1010	6,1	63	101
12.13.1704	ZBNR 338 0620 HS1010	6,2	63	101
12.13.1705	ZBNR 338 0630 HS1010	6,3	63	101
12.13.1706	ZBNR 338 0640 HS1010	6,4	63	101
12.13.1707	ZBNR 338 0650 HS1010	6,5	63	101
12.13.1708	ZBNR 338 0660 HS1010	6,6	63	101
12.13.1709	ZBNR 338 0670 HS1010	6,7	63	101
12.13.1710	ZBNR 338 0680 HS1010	6,8	69	109
12.13.1711	ZBNR 338 0690 HS1010	6,9	69	109
12.13.1712	ZBNR 338 0700 HS1010	7,0	69	109
12.13.1713	ZBNR 338 0710 HS1010	7,1	69	109
12.13.1714	ZBNR 338 0720 HS1010	7,2	69	109
12.13.1715	ZBNR 338 0730 HS1010	7,3	69	109
12.13.1716	ZBNR 338 0740 HS1010	7,4	69	109
12.13.1717	ZBNR 338 0750 HS1010	7,5	69	109
12.13.1718	ZBNR 338 0760 HS1010	7,6	75	117
12.13.1719	ZBNR 338 0770 HS1010	7,7	75	117
12.13.1720	ZBNR 338 0780 HS1010	7,8	75	117
12.13.1721	ZBNR 338 0790 HS1010	7,9	75	117
12.13.1722	ZBNR 338 0800 HS1010	8,0	75	117
12.13.1723	ZBNR 338 0810 HS1010	8,1	75	117
12.13.1724	ZBNR 338 0820 HS1010	8,2	75	117
12.13.1725	ZBNR 338 0830 HS1010	8,3	75	117
12.13.1726	ZBNR 338 0840 HS1010	8,4	75	117
12.13.1727	ZBNR 338 0850 HS1010	8,5	75	117
12.13.1728	ZBNR 338 0860 HS1010	8,6	81	125
12.13.1729	ZBNR 338 0870 HS1010	8,7	81	125
12.13.1730	ZBNR 338 0880 HS1010	8,8	81	125
12.13.1731	ZBNR 338 0890 HS1010	8,9	81	125
12.13.1732	ZBNR 338 0900 HS1010	9,0	81	125
12.13.1733	ZBNR 338 0910 HS1010	9,1	81	125
12.13.1734	ZBNR 338 0920 HS1010	9,2	81	125
12.13.1735	ZBNR 338 0930 HS1010	9,3	81	125
12.13.1736	ZBNR 338 0940 HS1010	9,4	81	125
12.13.1737	ZBNR 338 0950 HS1010	9,5	81	125

ZBNR 338 ...
HSS twisted drills
Type "N", tip 118°
Rolled type, cylindrical shank
Normal lengths to DIN338

ZBNR 338 ...
HSS Spiralbohrer
Typ "N", 118° Spitzenwinkel
Rollgewalzte Ausführung
Zylinderschaft
Normallängen nach DIN338

ZBNR 338 ...
Forets en HSS
Type "N", affûtage 118°
Type laminé
Queue cylindrique
Longueur normale selon DIN338



P1 P2 P3 K1 K2 N5

Item Nr.	Designation	ød ₁	L ₁	L	Item Nr.	Designation	ød ₁	L ₁	L
12.13.1738	ZBNR 338 0960 HS1010	9,6	87	133	12.13.1763	ZBNR 338 1210 HS1010	12,1	101	151
12.13.1739	ZBNR 338 0970 HS1010	9,7	87	133	12.13.1764	ZBNR 338 1220 HS1010	12,2	101	151
12.13.1740	ZBNR 338 0980 HS1010	9,8	87	133	12.13.1765	ZBNR 338 1230 HS1010	12,3	101	151
12.13.1741	ZBNR 338 0990 HS1010	9,9	87	133	12.13.1766	ZBNR 338 1240 HS1010	12,4	101	151
12.13.1742	ZBNR 338 1000 HS1010	10,0	87	133	12.13.1767	ZBNR 338 1250 HS1010	12,5	101	151
12.13.1743	ZBNR 338 1010 HS1010	10,1	87	133	12.13.1768	ZBNR 338 1260 HS1010	12,6	101	151
12.13.1744	ZBNR 338 1020 HS1010	10,2	87	133	12.13.1769	ZBNR 338 1270 HS1010	12,7	101	151
12.13.1745	ZBNR 338 1030 HS1010	10,3	87	133	12.13.1770	ZBNR 338 1280 HS1010	12,8	101	151
12.13.1746	ZBNR 338 1040 HS1010	10,4	87	133	12.13.1771	ZBNR 338 1290 HS1010	12,9	101	151
12.13.1747	ZBNR 338 1050 HS1010	10,5	87	133	12.13.1772	ZBNR 338 1300 HS1010	13,0	101	151
12.13.1748	ZBNR 338 1060 HS1010	10,6	87	133	12.13.1773	ZBNR 338 1350 HS1010	13,5	108	160
12.13.1749	ZBNR 338 1070 HS1010	10,7	94	142	12.13.1774	ZBNR 338 1400 HS1010	14,0	108	160
12.13.1750	ZBNR 338 1080 HS1010	10,8	94	142	12.13.1775	ZBNR 338 1450 HS1010	14,5	114	169
12.13.1751	ZBNR 338 1090 HS1010	10,9	94	142	12.13.1776	ZBNR 338 1500 HS1010	15,0	114	169
12.13.1752	ZBNR 338 1100 HS1010	11,0	94	142	12.13.1777	ZBNR 338 1550 HS1010	15,5	120	178
12.13.1753	ZBNR 338 1110 HS1010	11,1	94	142	12.13.1778	ZBNR 338 1600 HS1010	16,0	120	178
12.13.1754	ZBNR 338 1120 HS1010	11,2	94	142	12.13.1779	ZBNR 338 1650 HS1010	16,5	125	184
12.13.1755	ZBNR 338 1130 HS1010	11,3	94	142	12.13.1780	ZBNR 338 1700 HS1010	17,0	125	184
12.13.1756	ZBNR 338 1140 HS1010	11,4	94	142	12.13.1781	ZBNR 338 1750 HS1010	17,5	130	191
12.13.1757	ZBNR 338 1150 HS1010	11,5	94	142	12.13.1782	ZBNR 338 1800 HS1010	18,0	130	191
12.13.1758	ZBNR 338 1160 HS1010	11,6	94	142	12.13.1783	ZBNR 338 1850 HS1010	18,5	135	198
12.13.1759	ZBNR 338 1170 HS1010	11,7	94	142	12.13.1784	ZBNR 338 1900 HS1010	19,0	135	198
12.13.1760	ZBNR 338 1180 HS1010	11,8	94	142	12.13.1785	ZBNR 338 1950 HS1010	19,5	140	205
12.13.1761	ZBNR 338 1190 HS1010	11,9	101	151	12.13.1786	ZBNR 338 2000 HS1010	20,0	140	205
12.13.1762	ZBNR 338 1200 HS1010	12,0	101	151					

Ordering example :

20 pcs ZBNR 338 1000 HS1010 (Item number 12.13.1742)

*) Minimum order quantities / : diameter 1,0 – 7,0 10 pcs
Mindestbestellmengen / : diameter 7,1 – 14,5 5 pcs
Quantité minimale

*) Series "ZBNR" also available as / : ZBNR 1897 ... to / nach / selon DIN 1897
Reihe "ZBNR" auch verfügbar als / ZBNR 340 ... to / nach / selon DIN 340
Serie "ZBNR" aussi disponible comme / ZBNR 345 ... to / nach / selon DIN 345

ZBNG 338 ...
HSS Twisted drills
Type "N", tip 118°
Ground type, cylindrical shank
Normal lengths to DIN338

ZBNG 338 ...
HSS Spiralbohrer
Typ "N", 118° Spitzenwinkel
Geschliffene Ausführung
Zylinderschaft
Normallängen nach DIN338

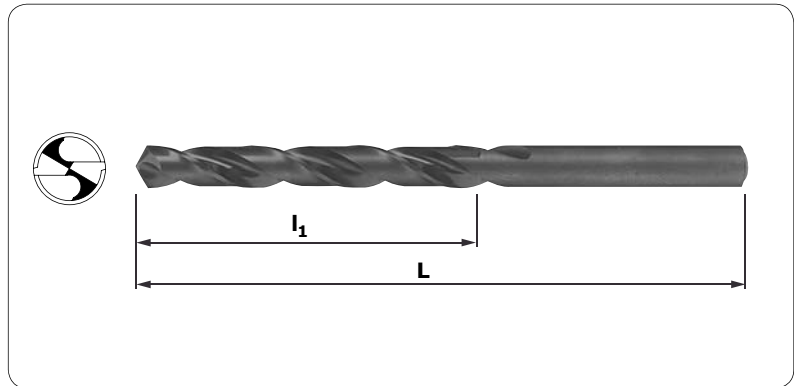
ZBNG 338 ...
Forets en HSS
Type "N", affûtage 118°
Type affûté
Queue cylindrique
Longueur normale selon DIN338

GRP
B13

FAM
205

DIN
338

HS1010
HSS
(OX)



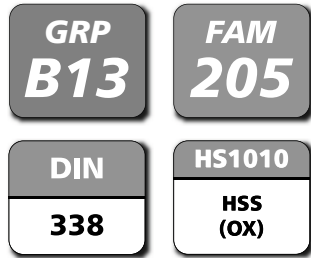
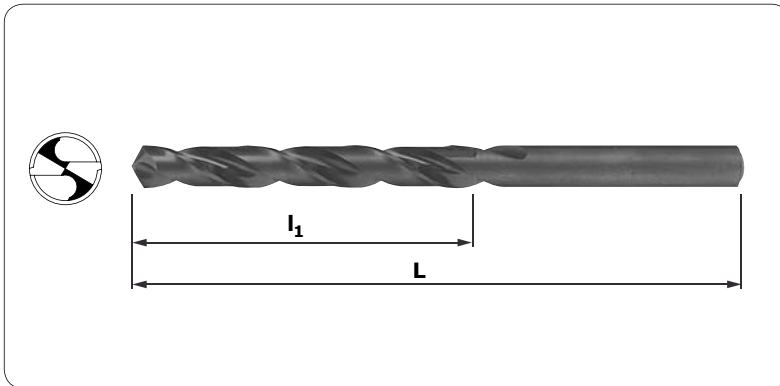
P1 P2 P3 M1 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	I ₁	L	Item Nr.	Designation	ød ₁	I ₁	L
12.13.1787	ZBNG 338 0020 HS1010	0,20	2,5	19	12.13.1830	ZBNG 338 0235 HS1010	2,35	27	53
12.13.1788	ZBNG 338 0025 HS1010	0,25	3	19	12.13.1831	ZBNG 338 0240 HS1010	2,40	30	57
12.13.1789	ZBNG 338 0030 HS1010	0,30	3	19	12.13.1832	ZBNG 338 0245 HS1010	2,45	30	57
12.13.1790	ZBNG 338 0035 HS1010	0,35	4	19	12.13.1833	ZBNG 338 0250 HS1010	2,50	30	57
12.13.1791	ZBNG 338 0040 HS1010	0,40	5	20	12.13.1834	ZBNG 338 0255 HS1010	2,55	30	57
12.13.1792	ZBNG 338 0045 HS1010	0,45	5	20	12.13.1835	ZBNG 338 0260 HS1010	2,60	30	57
12.13.1793	ZBNG 338 0050 HS1010	0,50	6	22	12.13.1836	ZBNG 338 0265 HS1010	2,65	30	57
12.13.1794	ZBNG 338 0055 HS1010	0,55	7	24	12.13.1837	ZBNG 338 0270 HS1010	2,70	33	61
12.13.1795	ZBNG 338 0060 HS1010	0,60	7	24	12.13.1838	ZBNG 338 0275 HS1010	2,75	33	61
12.13.1796	ZBNG 338 0065 HS1010	0,65	8	26	12.13.1839	ZBNG 338 0280 HS1010	2,80	33	61
12.13.1797	ZBNG 338 0070 HS1010	0,70	9	28	12.13.1840	ZBNG 338 0285 HS1010	2,85	33	61
12.13.1798	ZBNG 338 0075 HS1010	0,75	9	28	12.13.1841	ZBNG 338 0290 HS1010	2,90	33	61
12.13.1799	ZBNG 338 0080 HS1010	0,80	10	28	12.13.1842	ZBNG 338 0295 HS1010	2,95	33	61
12.13.1800	ZBNG 338 0085 HS1010	0,85	10	30	12.13.1843	ZBNG 338 0300 HS1010	3,00	33	61
12.13.1801	ZBNG 338 0090 HS1010	0,90	11	31	12.13.1844	ZBNG 338 0305 HS1010	3,05	36	65
12.13.1802	ZBNG 338 0095 HS1010	0,95	11	32	12.13.1845	ZBNG 338 0310 HS1010	3,10	36	65
12.13.1803	ZBNG 338 0100 HS1010	1,00	12	34	12.13.1846	ZBNG 338 0315 HS1010	3,15	36	65
12.13.1804	ZBNG 338 0105 HS1010	1,05	12	34	12.13.1847	ZBNG 338 0320 HS1010	3,20	36	65
12.13.1805	ZBNG 338 0110 HS1010	1,10	14	36	12.13.1848	ZBNG 338 0325 HS1010	3,25	36	65
12.13.1806	ZBNG 338 0115 HS1010	1,15	14	36	12.13.1849	ZBNG 338 0330 HS1010	3,30	36	65
12.13.1807	ZBNG 338 0120 HS1010	1,20	16	38	12.13.1850	ZBNG 338 0335 HS1010	3,35	36	65
12.13.1808	ZBNG 338 0125 HS1010	1,25	16	38	12.13.1851	ZBNG 338 0340 HS1010	3,40	39	70
12.13.1809	ZBNG 338 0130 HS1010	1,30	16	38	12.13.1852	ZBNG 338 0345 HS1010	3,45	39	70
12.13.1810	ZBNG 338 0135 HS1010	1,35	18	40	12.13.1853	ZBNG 338 0350 HS1010	3,50	39	70
12.13.1811	ZBNG 338 0140 HS1010	1,40	18	40	12.13.1854	ZBNG 338 0355 HS1010	3,55	39	70
12.13.1812	ZBNG 338 0145 HS1010	1,45	18	40	12.13.1855	ZBNG 338 0360 HS1010	3,60	39	70
12.13.1813	ZBNG 338 0150 HS1010	1,50	18	40	12.13.1856	ZBNG 338 0365 HS1010	3,65	39	70
12.13.1814	ZBNG 338 0155 HS1010	1,55	20	43	12.13.1857	ZBNG 338 0370 HS1010	3,70	39	70
12.13.1815	ZBNG 338 0160 HS1010	1,60	20	43	12.13.1858	ZBNG 338 0375 HS1010	3,75	39	70
12.13.1816	ZBNG 338 0165 HS1010	1,65	20	43	12.13.1859	ZBNG 338 0380 HS1010	3,80	43	75
12.13.1817	ZBNG 338 0170 HS1010	1,70	20	43	12.13.1860	ZBNG 338 0385 HS1010	3,85	43	75
12.13.1818	ZBNG 338 0175 HS1010	1,75	22	46	12.13.1861	ZBNG 338 0390 HS1010	3,90	43	75
12.13.1819	ZBNG 338 0180 HS1010	1,80	22	46	12.13.1862	ZBNG 338 0395 HS1010	3,95	43	75
12.13.1820	ZBNG 338 0185 HS1010	1,85	22	46	12.13.1863	ZBNG 338 0400 HS1010	4,00	43	75
12.13.1821	ZBNG 338 0190 HS1010	1,90	22	46	12.13.1864	ZBNG 338 0405 HS1010	4,05	43	75
12.13.1822	ZBNG 338 0195 HS1010	1,95	24	49	12.13.1865	ZBNG 338 0410 HS1010	4,10	43	75
12.13.1823	ZBNG 338 0200 HS1010	2,00	24	49	12.13.1866	ZBNG 338 0415 HS1010	4,15	43	75
12.13.1824	ZBNG 338 0205 HS1010	2,05	24	49	12.13.1867	ZBNG 338 0420 HS1010	4,20	43	75
12.13.1825	ZBNG 338 0210 HS1010	2,10	24	49	12.13.1868	ZBNG 338 0425 HS1010	4,25	43	75
12.13.1826	ZBNG 338 0215 HS1010	2,15	27	53	12.13.1869	ZBNG 338 0430 HS1010	4,30	47	80
12.13.1827	ZBNG 338 0220 HS1010	2,20	27	53	12.13.1870	ZBNG 338 0435 HS1010	4,35	47	80
12.13.1828	ZBNG 338 0225 HS1010	2,25	27	53	12.13.1871	ZBNG 338 0440 HS1010	4,40	47	80
12.13.1829	ZBNG 338 0230 HS1010	2,30	27	53	12.13.1872	ZBNG 338 0445 HS1010	4,45	47	80

ZBNG 338 ...
HSS Twisted drills
Type "N", tip 118°
Ground type, cylindrical shank
Normal lengths to DIN338

ZBNG 338 ...
HSS Spiralbohrer
Typ "N", 118° Spitzenwinkel
Geschliffene Ausführung
Zylinderschaft
Normallängen nach DIN338

ZBNG 338 ...
Forets en HSS
Type "N", affûtage 118°
Type affûté
Queue cylindrique
Longueur normale selon DIN338



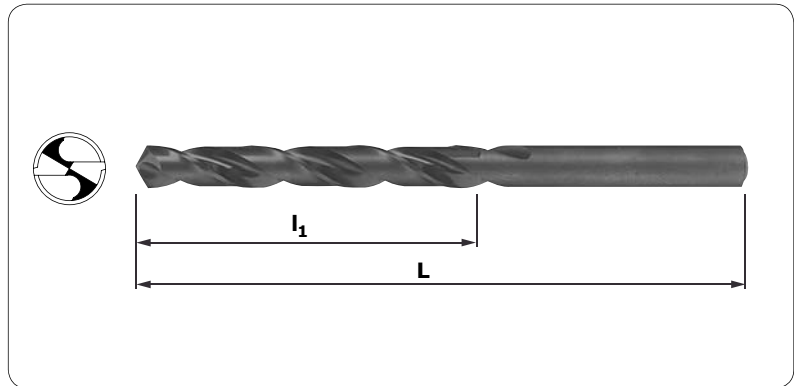
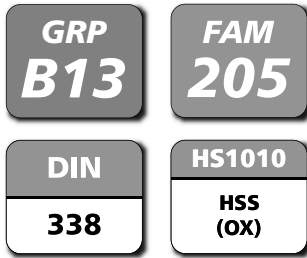
P1 P2 P3 M1 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	l ₁	L	Item Nr.	Designation	ød ₁	l ₁	L
12.13.1873	ZBNG 338 0450 HS1010	4,50	47	80	12.13.1916	ZBNG 338 0770 HS1010	7,70	75	117
12.13.1874	ZBNG 338 0455 HS1010	4,55	47	80	12.13.1917	ZBNG 338 0775 HS1010	7,75	75	117
12.13.1875	ZBNG 338 0460 HS1010	4,60	47	80	12.13.1918	ZBNG 338 0780 HS1010	7,80	75	117
12.13.1876	ZBNG 338 0465 HS1010	4,65	47	80	12.13.1919	ZBNG 338 0790 HS1010	7,90	75	117
12.13.1877	ZBNG 338 0470 HS1010	4,70	47	80	12.13.1920	ZBNG 338 0800 HS1010	8,00	75	117
12.13.1878	ZBNG 338 0475 HS1010	4,75	47	80	12.13.1921	ZBNG 338 0810 HS1010	8,10	75	117
12.13.1879	ZBNG 338 0480 HS1010	4,80	52	86	12.13.1922	ZBNG 338 0820 HS1010	8,20	75	117
12.13.1880	ZBNG 338 0485 HS1010	4,85	52	86	12.13.1923	ZBNG 338 0825 HS1010	8,25	75	117
12.13.1881	ZBNG 338 0490 HS1010	4,90	52	86	12.13.1924	ZBNG 338 0830 HS1010	8,30	75	117
12.13.1882	ZBNG 338 0495 HS1010	4,95	52	86	12.13.1925	ZBNG 338 0840 HS1010	8,40	75	117
12.13.1883	ZBNG 338 0500 HS1010	5,00	52	86	12.13.1926	ZBNG 338 0850 HS1010	8,50	75	117
12.13.1884	ZBNG 338 0510 HS1010	5,10	52	86	12.13.1927	ZBNG 338 0860 HS1010	8,60	81	125
12.13.1885	ZBNG 338 0520 HS1010	5,20	52	86	12.13.1928	ZBNG 338 0870 HS1010	8,70	81	125
12.13.1886	ZBNG 338 0525 HS1010	5,25	52	86	12.13.1929	ZBNG 338 0875 HS1010	8,75	81	125
12.13.1887	ZBNG 338 0530 HS1010	5,30	52	86	12.13.1930	ZBNG 338 0880 HS1010	8,80	81	125
12.13.1888	ZBNG 338 0540 HS1010	5,40	57	93	12.13.1931	ZBNG 338 0890 HS1010	8,90	81	125
12.13.1889	ZBNG 338 0550 HS1010	5,50	57	93	12.13.1932	ZBNG 338 0900 HS1010	9,00	81	125
12.13.1890	ZBNG 338 0560 HS1010	5,60	57	93	12.13.1933	ZBNG 338 0910 HS1010	9,10	81	125
12.13.1891	ZBNG 338 0570 HS1010	5,70	57	93	12.13.1934	ZBNG 338 0920 HS1010	9,20	81	125
12.13.1892	ZBNG 338 0575 HS1010	5,75	57	93	12.13.1935	ZBNG 338 0925 HS1010	9,25	81	125
12.13.1893	ZBNG 338 0580 HS1010	5,80	57	93	12.13.1936	ZBNG 338 0930 HS1010	9,30	81	125
12.13.1894	ZBNG 338 0590 HS1010	5,90	57	93	12.13.1937	ZBNG 338 0940 HS1010	9,40	81	125
12.13.1895	ZBNG 338 0600 HS1010	6,00	57	93	12.13.1938	ZBNG 338 0950 HS1010	9,50	81	125
12.13.1896	ZBNG 338 0610 HS1010	6,10	63	101	12.13.1939	ZBNG 338 0960 HS1010	9,60	87	133
12.13.1897	ZBNG 338 0620 HS1010	6,20	63	101	12.13.1940	ZBNG 338 0970 HS1010	9,70	87	133
12.13.1898	ZBNG 338 0625 HS1010	6,25	63	101	12.13.1941	ZBNG 338 0975 HS1010	9,75	87	133
12.13.1899	ZBNG 338 0630 HS1010	6,30	63	101	12.13.1942	ZBNG 338 0980 HS1010	9,80	87	133
12.13.1900	ZBNG 338 0635 HS1010	6,35	63	101	12.13.1943	ZBNG 338 0990 HS1010	9,90	87	133
12.13.1901	ZBNG 338 0640 HS1010	6,40	63	101	12.13.1944	ZBNG 338 1000 HS1010	10,00	87	133
12.13.1902	ZBNG 338 0650 HS1010	6,50	63	101	12.13.1945	ZBNG 338 1010 HS1010	10,10	87	133
12.13.1903	ZBNG 338 0660 HS1010	6,60	63	101	12.13.1946	ZBNG 338 1020 HS1010	10,20	87	133
12.13.1904	ZBNG 338 0670 HS1010	6,70	63	101	12.13.1947	ZBNG 338 1025 HS1010	10,25	87	133
12.13.1905	ZBNG 338 0675 HS1010	6,75	69	109	12.13.1948	ZBNG 338 1030 HS1010	10,30	87	133
12.13.1906	ZBNG 338 0680 HS1010	6,80	69	109	12.13.1949	ZBNG 338 1040 HS1010	10,40	87	133
12.13.1907	ZBNG 338 0690 HS1010	6,90	69	109	12.13.1950	ZBNG 338 1050 HS1010	10,50	87	133
12.13.1908	ZBNG 338 0700 HS1010	7,00	69	109	12.13.1951	ZBNG 338 1060 HS1010	10,60	87	133
12.13.1909	ZBNG 338 0710 HS1010	7,10	69	109	12.13.1952	ZBNG 338 1070 HS1010	10,70	94	142
12.13.1910	ZBNG 338 0720 HS1010	7,20	69	109	12.13.1953	ZBNG 338 1075 HS1010	10,75	94	142
12.13.1911	ZBNG 338 0725 HS1010	7,25	69	109	12.13.1954	ZBNG 338 1080 HS1010	10,80	94	142
12.13.1912	ZBNG 338 0730 HS1010	7,30	69	109	12.13.1955	ZBNG 338 1090 HS1010	10,90	94	142
12.13.1913	ZBNG 338 0740 HS1010	7,40	69	109	12.13.1956	ZBNG 338 1100 HS1010	11,00	94	142
12.13.1914	ZBNG 338 0750 HS1010	7,50	69	109	12.13.1957	ZBNG 338 1110 HS1010	11,10	94	142
12.13.1915	ZBNG 338 0760 HS1010	7,60	75	117	12.13.1958	ZBNG 338 1120 HS1010	11,20	94	142

ZBNG 338 ...
HSS Twisted drills
Type "N", tip 118°
Ground type
Cylindrical shank
Normal lengths to DIN338

ZBNG 338 ...
HSS Spiralbohrer
Typ "N", 118° Spitzenwinkel
Geschliffene Ausführung
Zylinderschaft
Normallängen nach DIN338

ZBNG 338 ...
Forets en HSS
Type "N", affûtage 118°
Type affûté
Queue cylindrique
Longueur normale selon DIN338



Item Nr.	Designation	ød ₁	I ₁	L	Item Nr.	Designation	ød ₁	I ₁	L
12.13.1959	ZBNG 338 1125 HS1010	11,25	94	142	12.13.1984	ZBNG 338 1330 HS1010	13,30	108	160
12.13.1960	ZBNG 338 1130 HS1010	11,30	94	142	12.13.1985	ZBNG 338 1340 HS1010	13,40	108	160
12.13.1961	ZBNG 338 1140 HS1010	11,40	94	142	12.13.1986	ZBNG 338 1350 HS1010	13,50	108	160
12.13.1962	ZBNG 338 1150 HS1010	11,50	94	142	12.13.1987	ZBNG 338 1360 HS1010	13,60	108	160
12.13.1963	ZBNG 338 1160 HS1010	11,60	94	142	12.13.1988	ZBNG 338 1370 HS1010	13,70	108	160
12.13.1964	ZBNG 338 1170 HS1010	11,70	94	142	12.13.1989	ZBNG 338 1375 HS1010	13,75	108	160
12.13.1965	ZBNG 338 1175 HS1010	11,75	94	142	12.13.1990	ZBNG 338 1380 HS1010	13,80	108	160
12.13.1966	ZBNG 338 1180 HS1010	11,80	94	142	12.13.1991	ZBNG 338 1390 HS1010	13,90	108	160
12.13.1967	ZBNG 338 1190 HS1010	11,90	101	151	12.13.1992	ZBNG 338 1400 HS1010	14,00	108	160
12.13.1968	ZBNG 338 1200 HS1010	12,00	101	151	12.13.1993	ZBNG 338 1425 HS1010	14,25	114	169
12.13.1969	ZBNG 338 1210 HS1010	12,10	101	151	12.13.1994	ZBNG 338 1450 HS1010	14,50	114	169
12.13.1970	ZBNG 338 1220 HS1010	12,20	101	151	12.13.1995	ZBNG 338 1475 HS1010	14,75	114	169
12.13.1971	ZBNG 338 1225 HS1010	12,25	101	151	12.13.1996	ZBNG 338 1500 HS1010	15,00	114	169
12.13.1972	ZBNG 338 1230 HS1010	12,30	101	151	12.13.1997	ZBNG 338 1525 HS1010	15,25	120	178
12.13.1973	ZBNG 338 1240 HS1010	12,40	101	151	12.13.1998	ZBNG 338 1550 HS1010	15,50	120	178
12.13.1974	ZBNG 338 1250 HS1010	12,50	101	151	12.13.1999	ZBNG 338 1575 HS1010	15,75	120	178
12.13.1975	ZBNG 338 1260 HS1010	12,60	101	151	12.13.2000	ZBNG 338 1580 HS1010	15,80	120	178
12.13.1976	ZBNG 338 1270 HS1010	12,70	101	151	12.13.2001	ZBNG 338 1600 HS1010	16,00	120	178
12.13.1977	ZBNG 338 1275 HS1010	12,75	101	151	12.13.2002	ZBNG 338 1650 HS1010	16,50	125	184
12.13.1978	ZBNG 338 1280 HS1010	12,80	101	151	12.13.2003	ZBNG 338 1700 HS1010	17,00	125	184
12.13.1979	ZBNG 338 1290 HS1010	12,90	101	151	12.13.2004	ZBNG 338 1750 HS1010	17,50	130	191
12.13.1980	ZBNG 338 1300 HS1010	13,00	101	151	12.13.2005	ZBNG 338 1800 HS1010	18,00	130	191
12.13.1981	ZBNG 338 1310 HS1010	13,10	108	160	12.13.2006	ZBNG 338 1850 HS1010	18,50	135	198
12.13.1982	ZBNG 338 1320 HS1010	13,20	108	160	12.13.2007	ZBNG 338 1900 HS1010	19,00	135	198
12.13.1983	ZBNG 338 1325 HS1010	13,25	108	160	12.13.2008	ZBNG 338 1950 HS1010	19,50	140	205
					12.13.2009	ZBNG 338 2000 HS1010	20,00	140	205

Ordering example :

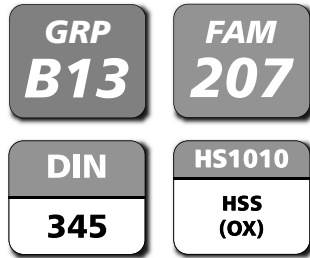
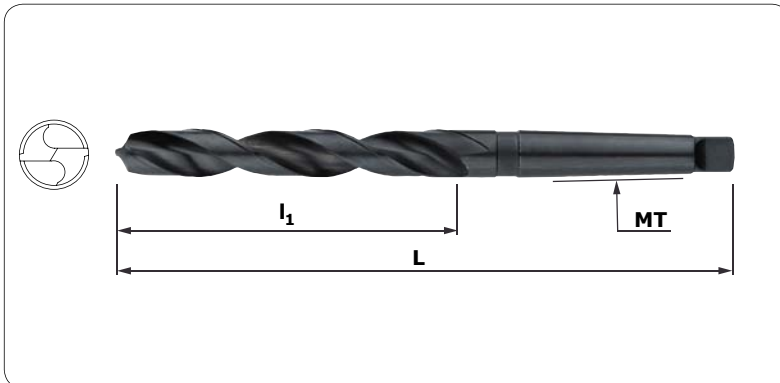
20 pcs ZBNG 338 1200 HS1010 (Item number 12.13.1968)

*) Series "ZBNR" also available as / : ZBNR 1897 ... to / nach / selon DIN 1897
Reihe "ZBNR" auch verfügbar als / ZBNR 340 ... to / nach / selon DIN 340
Serie "ZBNR" aussi disponible comme ZBNR 345 ... to / nach / selon DIN 345

ZBNG 345 ...
HSS twisted drills
Type "N", tip 118°
Milled and ground to size
Morse taper shank
Normal lengths to DIN345

ZBNG 345 ...
HSS Spiralbohrer
Typ "N", 118° Spitzenwinkel
Gefräst und geschliffen
Morsekegelschaft
Normallängen nach DIN345

ZBNG 345 ...
Forets en HSS
Type "N", affûtage 118°
Fraisé et affûté
Queue cône morse
Longueur normale selon DIN345

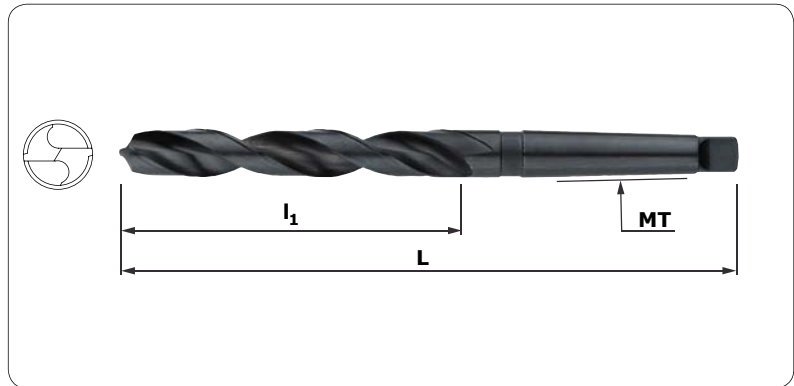
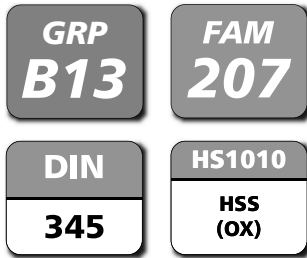


Item Nr.	Designation	ød ₁	l ₁	L	MT	Item Nr.	Designation	ød ₁	l ₁	L	MT
12.13.2145	ZBNG 345 1300 HS1010	13,00	101	182	1	12.13.2188	ZBNG 345 2375 HS1010	23,75	160	281	3
12.13.2146	ZBNG 345 1325 HS1010	13,25	108	189	1	12.13.2189	ZBNG 345 2400 HS1010	24,00	160	281	3
12.13.2147	ZBNG 345 1350 HS1010	13,50	108	189	1	12.13.2190	ZBNG 345 2425 HS1010	24,25	160	281	3
12.13.2148	ZBNG 345 1375 HS1010	13,75	108	189	1	12.13.2191	ZBNG 345 2450 HS1010	24,50	160	281	3
12.13.2149	ZBNG 345 1400 HS1010	14,00	108	189	2	12.13.2192	ZBNG 345 2475 HS1010	24,75	160	281	3
12.13.2150	ZBNG 345 1425 HS1010	14,25	114	212	2	12.13.2193	ZBNG 345 2500 HS1010	25,00	160	281	3
12.13.2151	ZBNG 345 1450 HS1010	14,50	114	212	2	12.13.2194	ZBNG 345 2525 HS1010	25,25	165	286	3
12.13.2152	ZBNG 345 1475 HS1010	14,75	114	212	2	12.13.2195	ZBNG 345 2550 HS1010	25,50	165	286	3
12.13.2153	ZBNG 345 1500 HS1010	15,00	114	212	2	12.13.2196	ZBNG 345 2575 HS1010	25,75	165	286	3
12.13.2154	ZBNG 345 1525 HS1010	15,25	120	218	2	12.13.2197	ZBNG 345 2600 HS1010	26,00	165	286	3
12.13.2155	ZBNG 345 1550 HS1010	15,50	120	218	2	12.13.2198	ZBNG 345 2625 HS1010	26,25	165	286	3
12.13.2156	ZBNG 345 1575 HS1010	15,75	120	218	2	12.13.2199	ZBNG 345 2650 HS1010	26,50	165	286	3
12.13.2157	ZBNG 345 1600 HS1010	16,00	120	218	2	12.13.2200	ZBNG 345 2675 HS1010	26,75	170	291	3
12.13.2158	ZBNG 345 1625 HS1010	16,25	125	223	2	12.13.2201	ZBNG 345 2700 HS1010	27,00	170	291	3
12.13.2159	ZBNG 345 1650 HS1010	16,50	125	223	2	12.13.2202	ZBNG 345 2725 HS1010	27,25	170	291	3
12.13.2160	ZBNG 345 1675 HS1010	16,75	125	223	2	12.13.2203	ZBNG 345 2750 HS1010	27,50	170	291	3
12.13.2161	ZBNG 345 1700 HS1010	17,00	125	223	2	12.13.2204	ZBNG 345 2775 HS1010	27,75	170	291	3
12.13.2162	ZBNG 345 1725 HS1010	17,25	130	228	2	12.13.2205	ZBNG 345 2800 HS1010	28,00	170	291	3
12.13.2163	ZBNG 345 1750 HS1010	17,50	130	228	2	12.13.2206	ZBNG 345 2825 HS1010	28,25	175	296	3
12.13.2164	ZBNG 345 1775 HS1010	17,75	130	228	2	12.13.2207	ZBNG 345 2850 HS1010	28,50	175	296	3
12.13.2165	ZBNG 345 1800 HS1010	18,00	130	228	2	12.13.2208	ZBNG 345 2875 HS1010	28,75	175	296	3
12.13.2166	ZBNG 345 1825 HS1010	18,25	135	233	2	12.13.2209	ZBNG 345 2900 HS1010	29,00	175	296	3
12.13.2167	ZBNG 345 1850 HS1010	18,50	135	233	2	12.13.2210	ZBNG 345 2925 HS1010	29,25	175	296	3
12.13.2168	ZBNG 345 1875 HS1010	18,75	135	233	2	12.13.2211	ZBNG 345 2950 HS1010	29,50	175	296	3
12.13.2169	ZBNG 345 1900 HS1010	19,00	135	233	2	12.13.2212	ZBNG 345 2975 HS1010	29,75	175	296	3
12.13.2170	ZBNG 345 1925 HS1010	19,25	140	238	2	12.13.2213	ZBNG 345 3000 HS1010	30,00	175	296	3
12.13.2171	ZBNG 345 1950 HS1010	19,50	140	238	2	12.13.2214	ZBNG 345 3025 HS1010	30,25	180	301	3
12.13.2172	ZBNG 345 1975 HS1010	19,75	140	238	2	12.13.2215	ZBNG 345 3050 HS1010	30,50	180	301	3
12.13.2173	ZBNG 345 2000 HS1010	20,00	140	238	2	12.13.2216	ZBNG 345 3075 HS1010	30,75	180	301	3
12.13.2174	ZBNG 345 2025 HS1010	20,25	145	243	2	12.13.2217	ZBNG 345 3100 HS1010	31,00	180	301	3
12.13.2175	ZBNG 345 2050 HS1010	20,50	145	243	2	12.13.2218	ZBNG 345 3125 HS1010	31,25	180	301	3
12.13.2176	ZBNG 345 2075 HS1010	20,75	145	243	2	12.13.2219	ZBNG 345 3150 HS1010	31,50	180	301	3
12.13.2177	ZBNG 345 2100 HS1010	21,00	145	243	2	12.13.2220	ZBNG 345 3175 HS1010	31,75	185	306	3
12.13.2178	ZBNG 345 2125 HS1010	21,25	150	248	2	12.13.2221	ZBNG 345 3200 HS1010	32,00	185	334	4
12.13.2179	ZBNG 345 2150 HS1010	21,50	150	248	2	12.13.2222	ZBNG 345 3250 HS1010	32,50	185	334	4
12.13.2180	ZBNG 345 2175 HS1010	21,75	150	248	2	12.13.2223	ZBNG 345 3300 HS1010	33,00	185	334	4
12.13.2181	ZBNG 345 2200 HS1010	22,00	150	248	2	12.13.2224	ZBNG 345 3350 HS1010	33,50	185	334	4
12.13.2182	ZBNG 345 2225 HS1010	22,25	150	248	2	12.13.2225	ZBNG 345 3400 HS1010	34,00	190	339	4
12.13.2183	ZBNG 345 2250 HS1010	22,50	155	253	2	12.13.2226	ZBNG 345 3450 HS1010	34,50	190	339	4
12.13.2184	ZBNG 345 2275 HS1010	22,75	155	253	2	12.13.2227	ZBNG 345 3500 HS1010	35,00	190	339	4
12.13.2185	ZBNG 345 2300 HS1010	23,00	155	253	2	12.13.2228	ZBNG 345 3550 HS1010	35,50	190	339	4
12.13.2186	ZBNG 345 2325 HS1010	23,25	155	276	3	12.13.2229	ZBNG 345 3600 HS1010	36,00	195	344	4
12.13.2187	ZBNG 345 2350 HS1010	23,50	155	276	3	12.13.2230	ZBNG 345 3650 HS1010	36,50	195	344	4

ZBNG 345 ...
HSS twisted drills
Type "N", tip 118°
Milled and ground to size
Morse taper shank
Normal lengths to DIN345

ZBNG 345 ...
HSS Spiralbohrer
Typ "N", 118° Spitzenwinkel
Gefräst und geschliffen
Morsekegelschaft
Normallängen nach DIN345

ZBNG 345 ...
Forets en HSS
Type "N", affûtage 118°
Fraisé et affûté
Queue cône morse
Longueur normale selon DIN345



Item Nr.	Designation	ød ₁	L ₁	L	MT	Item Nr.	Designation	ød ₁	L ₁	L	MT
12.13.2231	ZBNG 345 3700 HS1010	37,00	195	344	4	12.13.2245	ZBNG 345 4400 HS1010	44,00	210	359	4
12.13.2232	ZBNG 345 3750 HS1010	37,50	195	344	4	12.13.2246	ZBNG 345 4450 HS1010	44,50	210	359	4
12.13.2233	ZBNG 345 3800 HS1010	38,00	200	349	4	12.13.2247	ZBNG 345 4500 HS1010	45,00	210	364	4
12.13.2234	ZBNG 345 3850 HS1010	38,50	200	349	4	12.13.2248	ZBNG 345 4550 HS1010	45,50	215	364	4
12.13.2235	ZBNG 345 3900 HS1010	39,00	200	349	4	12.13.2249	ZBNG 345 4600 HS1010	46,00	215	364	4
12.13.2236	ZBNG 345 3950 HS1010	39,50	200	349	4	12.13.2250	ZBNG 345 4650 HS1010	46,50	215	364	4
12.13.2237	ZBNG 345 4000 HS1010	40,00	200	349	4	12.13.2251	ZBNG 345 4700 HS1010	47,00	215	364	4
12.13.2238	ZBNG 345 4050 HS1010	40,50	205	354	4	12.13.2252	ZBNG 345 4750 HS1010	47,50	215	364	4
12.13.2239	ZBNG 345 4100 HS1010	41,00	205	354	4	12.13.2253	ZBNG 345 4800 HS1010	48,00	220	369	4
12.13.2240	ZBNG 345 4150 HS1010	41,50	205	354	4	12.13.2254	ZBNG 345 4850 HS1010	48,50	220	369	4
12.13.2241	ZBNG 345 4200 HS1010	42,00	205	354	4	12.13.2255	ZBNG 345 4900 HS1010	49,00	220	369	4
12.13.2242	ZBNG 345 4250 HS1010	42,50	205	354	4	12.13.2256	ZBNG 345 4950 HS1010	49,50	220	369	4
12.13.2243	ZBNG 345 4300 HS1010	43,00	210	359	4	12.13.2257	ZBNG 345 5000 HS1010	50,00	220	369	4
12.13.2244	ZBNG 345 4350 HS1010	43,50	210	359	4						

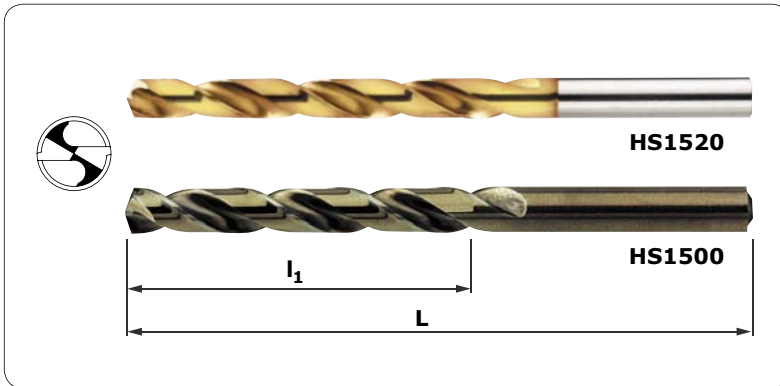
Ordering example :
2 pcs ZBNG 345 4250 HS1010 (Item number 12.13.2242)

*) Also available in / ø3 - ø13mm and ø50 - ø90mm
Auch verfügbar in /
Aussi disponible en

CBNG 338 ...
 HSSE-Co twisted drills
 Type "N", tip 135°
 Ground type
 Cylindrical shank
 Normal lengths to DIN338

CBNG 338 ...
 HSSE-Co Spiralbohrer
 typ "N", 135° Spitzenwinkel
 Geschliffene Ausführung
 Cylinderschaft
 Normallängen nach DIN338

CBNG 338 ...
 Forets en HSSE-Co
 Type "N", affûtage 135°
 Type affûté
 Queue cylindrique
 Longueur normale selon DIN338



GRP B11 **FAM 206**

DIN 338 **HS1500 HSSE-Co5** **HS1520 HSSE-Co5 +TiN**

- P1 P2 P3 P4 P5 M1 M2 K1 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	l ₁	L	HS1500	HS1520	Item Nr.	Designation	ød ₁	l ₁	L	HS1500	HS1520
12.11 ...	CBNG 338 0100	1,0	12	34	...2010	...2114	12.11 ...	CBNG 338 0530	5,3	52	86	...2053	
12.11 ...	CBNG 338 0110	1,1	14	36	...2011		12.11 ...	CBNG 338 0540	5,4	57	93	...2054	
12.11 ...	CBNG 338 0120	1,2	16	38	...2012		12.11 ...	CBNG 338 0550	5,5	57	93	...2055	...2125
12.11 ...	CBNG 338 0130	1,3	16	38	...2013		12.11 ...	CBNG 338 0560	5,6	57	93	...2056	
12.11 ...	CBNG 338 0140	1,4	18	40	...2014		12.11 ...	CBNG 338 0570	5,7	57	93	...2057	
12.11 ...	CBNG 338 0150	1,5	18	40	...2015	...2115	12.11 ...	CBNG 338 0580	5,8	57	93	...2058	
12.11 ...	CBNG 338 0160	1,6	20	43	...2016		12.11 ...	CBNG 338 0590	5,9	57	93	...2059	
12.11 ...	CBNG 338 0170	1,7	20	43	...2017		12.11 ...	CBNG 338 0600	6,0	57	93	...2060	...2126
12.11 ...	CBNG 338 0180	1,8	22	46	...2018		12.11 ...	CBNG 338 0610	6,1	63	101	...2061	
12.11 ...	CBNG 338 0190	1,9	22	46	...2019		12.11 ...	CBNG 338 0620	6,2	63	101	...2062	
12.11 ...	CBNG 338 0200	2,0	24	49	...2020	...2116	12.11 ...	CBNG 338 0630	6,3	63	101	...2063	
12.11 ...	CBNG 338 0210	2,1	24	49	...2021		12.11 ...	CBNG 338 0640	6,4	63	101	...2064	
12.11 ...	CBNG 338 0220	2,2	27	53	...2022		12.11 ...	CBNG 338 0650	6,5	63	101	...2065	...2127
12.11 ...	CBNG 338 0230	2,3	27	53	...2023		12.11 ...	CBNG 338 0660	6,6	63	101	...2066	
12.11 ...	CBNG 338 0240	2,4	30	57	...2024		12.11 ...	CBNG 338 0670	6,7	63	101	...2067	
12.11 ...	CBNG 338 0250	2,5	30	57	...2025	...2117	12.11 ...	CBNG 338 0680	6,8	69	109	...2068	...2128
12.11 ...	CBNG 338 0260	2,6	30	57	...2026		12.11 ...	CBNG 338 0690	6,9	69	109	...2069	
12.11 ...	CBNG 338 0270	2,7	33	61	...2027		12.11 ...	CBNG 338 0700	7,0	69	109	...2070	...2129
12.11 ...	CBNG 338 0280	2,8	33	61	...2028		12.11 ...	CBNG 338 0710	7,1	69	109	...2071	
12.11 ...	CBNG 338 0290	2,9	33	61	...2029		12.11 ...	CBNG 338 0720	7,2	69	109	...2072	
12.11 ...	CBNG 338 0300	3,0	33	61	...2030	...2118	12.11 ...	CBNG 338 0730	7,3	69	109	...2073	
12.11 ...	CBNG 338 0310	3,1	36	65	...2031		12.11 ...	CBNG 338 0740	7,4	69	109	...2074	
12.11 ...	CBNG 338 0320	3,2	36	65	...2032		12.11 ...	CBNG 338 0750	7,5	69	109	...2075	...2130
12.11 ...	CBNG 338 0330	3,3	36	65	...2033	...2119	12.11 ...	CBNG 338 0760	7,6	69	109	...2076	
12.11 ...	CBNG 338 0340	3,4	39	70	...2034		12.11 ...	CBNG 338 0770	7,7	75	117	...2077	
12.11 ...	CBNG 338 0350	3,5	39	70	...2035	...2120	12.11 ...	CBNG 338 0780	7,8	75	117	...2078	
12.11 ...	CBNG 338 0360	3,6	39	70	...2036		12.11 ...	CBNG 338 0790	7,9	75	117	...2079	
12.11 ...	CBNG 338 0370	3,7	39	70	...2037		12.11 ...	CBNG 338 0800	8,0	75	117	...2080	...2131
12.11 ...	CBNG 338 0380	3,8	43	75	...2038		12.11 ...	CBNG 338 0810	8,1	75	117	...2081	
12.11 ...	CBNG 338 0390	3,9	43	75	...2039		12.11 ...	CBNG 338 0820	8,2	75	117	...2082	
12.11 ...	CBNG 338 0400	4,0	43	75	...2040	...2121	12.11 ...	CBNG 338 0830	8,3	75	117	...2083	
12.11 ...	CBNG 338 0410	4,1	43	75	...2041		12.11 ...	CBNG 338 0840	8,4	75	117	...2084	
12.11 ...	CBNG 338 0420	4,2	43	75	...2042	...2122	12.11 ...	CBNG 338 0850	8,5	75	117	...2085	...2132
12.11 ...	CBNG 338 0430	4,3	47	80	...2043		12.11 ...	CBNG 338 0860	8,6	81	125	...2086	
12.11 ...	CBNG 338 0440	4,4	47	80	...2044		12.11 ...	CBNG 338 0870	8,7	81	125	...2087	
12.11 ...	CBNG 338 0450	4,5	47	80	...2045	...2123	12.11 ...	CBNG 338 0880	8,8	81	125	...2088	
12.11 ...	CBNG 338 0460	4,6	47	80	...2046		12.11 ...	CBNG 338 0890	8,9	81	125	...2089	
12.11 ...	CBNG 338 0470	4,7	47	80	...2047		12.11 ...	CBNG 338 0900	9,0	81	125	...2090	...2133
12.11 ...	CBNG 338 0480	4,8	52	86	...2048		12.11 ...	CBNG 338 0910	9,1	81	125	...2091	
12.11 ...	CBNG 338 0490	4,9	52	86	...2049		12.11 ...	CBNG 338 0920	9,2	81	125	...2092	
12.11 ...	CBNG 338 0500	5,0	52	86	...2050	...2124	12.11 ...	CBNG 338 0930	9,3	81	125	...2093	
12.11 ...	CBNG 338 0510	5,1	52	86	...2051		12.11 ...	CBNG 338 0940	9,4	81	125	...2094	
12.11 ...	CBNG 338 0520	5,2	52	86	...2052		12.11 ...	CBNG 338 0950	9,5	81	125	...2095	...2134

CBNG 338 ...
 HSSE-Co twisted drills
 Type "N", tip 135°
 Ground type
 Cylindrical shank
 Normal lengths to DIN338

CBNG 338 ...
 HSSE-Co Spiralbohrer
 typ "N", 135° Spitzenwinkel
 Geschliffene Ausführung
 Zylinderschaft
 Normallängen nach DIN338

CBNG 338 ...
 Forets en HSSE-Co
 Type "N", affûtage 135°
 Type affûté
 Queue cylindrique
 Longueur normale selon DIN338

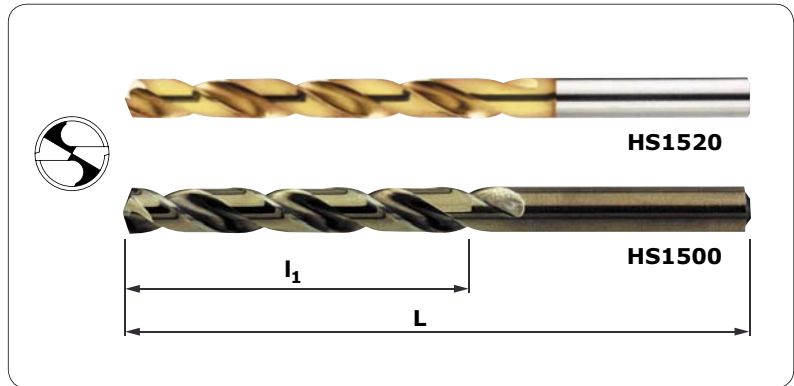
**GRP
B11**

**FAM
206**

**DIN
338**

**HS1500
HSSE-Co5**

**HS1520
HSSE-Co5
+TiN**



P1 P2 P3 P4 P5 M1 M2 K1 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	I ₁	L	HS1500	HS1520
12.11 ...	CBNG 338 0960	9,6	87	133	...2096	
12.11 ...	CBNG 338 0970	9,7	87	133	...2097	
12.11 ...	CBNG 338 0980	9,8	87	133	...2098	
12.11 ...	CBNG 338 0990	9,9	87	133	...2099	
12.11 ...	CBNG 338 1000	10,0	87	133	...2100	...2135
12.11 ...	CBNG 338 1020	10,2	87	133	...2101	...2136
12.11 ...	CBNG 338 1050	10,5	87	133	...2102	...2137
12.11 ...	CBNG 338 1100	11,0	94	142	...2103	...2138
12.11 ...	CBNG 338 1150	11,5	94	142	...2104	...2133

Item Nr.	Designation	ød ₁	I ₁	L	HS1500	HS1520
12.11 ...	CBNG 338 1200	12,0	101	151	...2105	...2140
12.11 ...	CBNG 338 1250	12,5	101	151	...2106	...2141
12.11 ...	CBNG 338 1300	13,0	101	151	...2107	...2142
12.11 ...	CBNG 338 1350	13,5	108	160	...2108	...2143
12.11 ...	CBNG 338 1400	14,0	108	160	...2109	...2144
12.11 ...	CBNG 338 1450	14,5	114	169	...2110	
12.11 ...	CBNG 338 1500	15,0	114	169	...2111	
12.11 ...	CBNG 338 1550	15,5	120	178	...2112	
12.11 ...	CBNG 338 1600	16,0	120	178	...2113	

Ordering example :

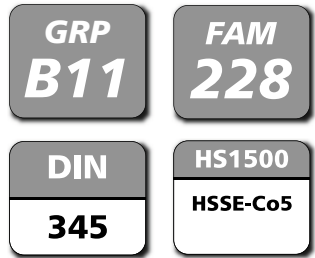
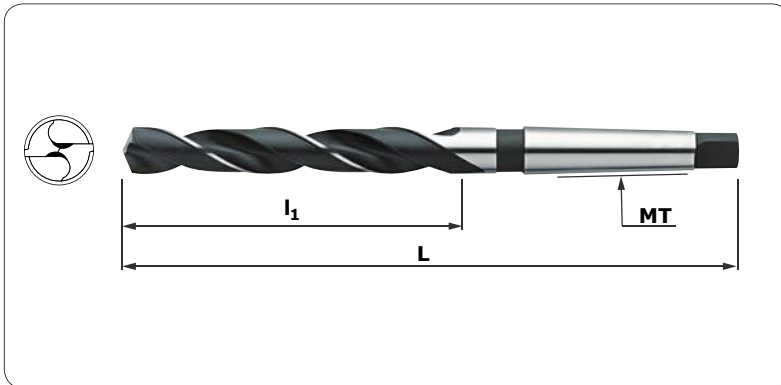
5 pcs CBNG 338 1000 HS1500 (Item number 12.11.2100)

*) Series "ZBNR" also available as / : ZBNR 1897 ... to / nach / selon DIN 1897
 Reihe "ZBNR" auch verfügbar als / ZBNR 340 ... to / nach / selon DIN 340
 Serie "ZBNR" aussi disponible comme ZBNR 345 ...

CBNG 345 ...
 HSSE-Co twisted drills
 Type "N", tip 135°
 Ground type
 Morse taper shank
 Normal lengths to DIN345

CBNG 345 ...
 HSSE-Co Spiralbohrer
 typ "N", 135° Spitzenwinkel
 Geschliffene Ausführung
 Morsekegelschaft
 Normallängen nach DIN345

CBNG 345 ...
 Forets en HSS
 Type "N", affûtage 135°
 Type affûté
 Queue cône morse
 Longueur normale selon DIN345



P1 P2 P3 P4 P5 M1 M2 K1 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	l ₁	L	MT	Item Nr.	Designation	ød ₁	l ₁	L	MT
12.11.1652	CBNG 345 0700 HS1500	7,0	69	150	1	12.11.1678	CBNG 345 2250 HS1500	22,5	155	253	2
12.11.1653	CBNG 345 0800 HS1500	8,0	75	156	1	12.11.1679	CBNG 345 2300 HS1500	23,0	155	253	2
12.11.1654	CBNG 345 0900 HS1500	9,0	81	162	1	12.11.1680	CBNG 345 2350 HS1500	23,5	155	276	3
12.11.1655	CBNG 345 1000 HS1500	10,0	87	168	1	12.11.1681	CBNG 345 2400 HS1500	24,0	160	281	3
12.11.1656	CBNG 345 1100 HS1500	11,0	94	175	1	12.11.1682	CBNG 345 2450 HS1500	24,5	160	281	3
12.11.1657	CBNG 345 1200 HS1500	12,0	101	182	1	12.11.1683	CBNG 345 2500 HS1500	25,0	160	281	3
12.11.1658	CBNG 345 1250 HS1500	12,5	101	182	1	12.11.1684	CBNG 345 2550 HS1500	25,5	165	286	3
12.11.1659	CBNG 345 1300 HS1500	13,0	101	182	1	12.11.1685	CBNG 345 2600 HS1500	26,0	165	286	3
12.11.1660	CBNG 345 1350 HS1500	13,5	108	189	1	12.11.1686	CBNG 345 2650 HS1500	26,5	165	286	3
12.11.1661	CBNG 345 1400 HS1500	14,0	108	189	1	12.11.1687	CBNG 345 2700 HS1500	27,0	170	291	3
12.11.1662	CBNG 345 1450 HS1500	14,5	114	212	2	12.11.1688	CBNG 345 2750 HS1500	27,5	170	291	3
12.11.1663	CBNG 345 1500 HS1500	15,0	114	212	2	12.11.1689	CBNG 345 2800 HS1500	28,0	170	291	3
12.11.1664	CBNG 345 1550 HS1500	15,5	120	218	2	12.11.1690	CBNG 345 2850 HS1500	28,5	175	296	3
12.11.1665	CBNG 345 1600 HS1500	16,0	120	218	2	12.11.1691	CBNG 345 2900 HS1500	29,0	175	296	3
12.11.1666	CBNG 345 1650 HS1500	16,5	125	223	2	12.11.1692	CBNG 345 2950 HS1500	29,5	175	296	3
12.11.1667	CBNG 345 1700 HS1500	17,0	125	223	2	12.11.1693	CBNG 345 3000 HS1500	30,0	175	296	3
12.11.1668	CBNG 345 1750 HS1500	17,5	130	228	2	12.11.1694	CBNG 345 3100 HS1500	31,0	180	301	3
12.11.1669	CBNG 345 1800 HS1500	18,0	130	228	2	12.11.1695	CBNG 345 3200 HS1500	32,0	185	334	4
12.11.1670	CBNG 345 1850 HS1500	18,5	135	233	2	12.11.1696	CBNG 345 3300 HS1500	33,0	185	334	4
12.11.1671	CBNG 345 1900 HS1500	19,0	135	233	2	12.11.1697	CBNG 345 3400 HS1500	34,0	190	339	4
12.11.1672	CBNG 345 1950 HS1500	19,5	140	238	2	12.11.1698	CBNG 345 3500 HS1500	35,0	190	339	4
12.11.1673	CBNG 345 2000 HS1500	20,0	140	238	2	12.11.1699	CBNG 345 3600 HS1500	36,0	195	344	4
12.11.1674	CBNG 345 2050 HS1500	20,5	145	243	2	12.11.1700	CBNG 345 3700 HS1500	37,0	195	344	4
12.11.1675	CBNG 345 2100 HS1500	21,0	145	243	2	12.11.1701	CBNG 345 3800 HS1500	38,0	200	349	4
12.11.1676	CBNG 345 2150 HS1500	21,5	150	248	2	12.11.16702	CBNG 345 3900 HS1500	39,0	200	349	4
12.11.1677	CBNG 345 2200 HS1500	22,0	150	248	2	12.11.16703	CBNG 345 4000 HS1500	40,0	200	349	4

Ordering example :
 5 pcs CBNG 345 2500 HS1500 (Item number 12.11.1683)

TLDS 1897 ...
 HSSE-Co PHD twisted drill
 Type "S", tip 130°
 Cylindrical shank
 Short lengths to DIN1897
 Self centering drill for high
 volume production

TLDS 1897 ...
 HSSE-Co PHD Spiralbohrer
 Typ "S", tip 130°
 Zylinderschaft
 Kurz nach DIN1897
 Selbstzentrierender Bohrer für
 Serienherstellung

TLDS 1897 ...
 Forets PHD en HSSE-Co
 Type "S", affûtage 130°
 Queue cylindrique
 Longueur courte selon DIN1897
 Forets pour production en série

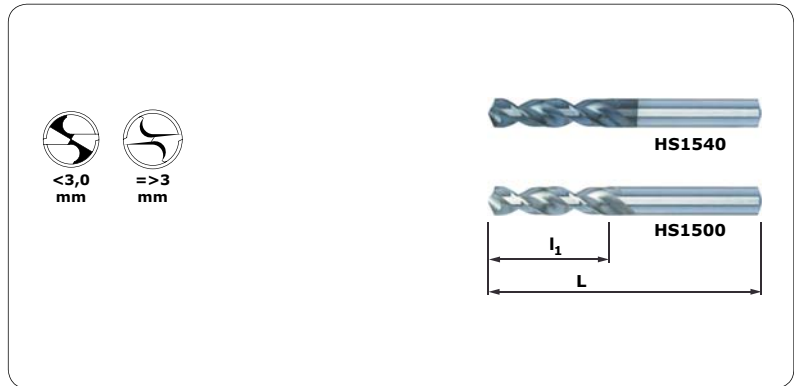
**GRP
B11**

**FAM
102**

**DIN
1897**

**HS1500
HSSE-Co5**

**HS1540
HSSE-Co5
+TiAlN**



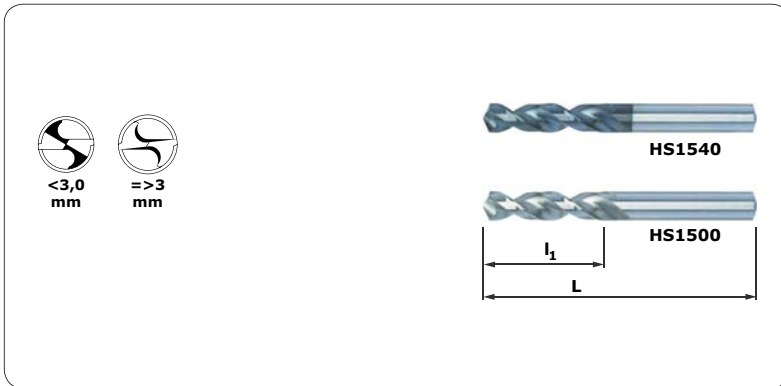
P1 P2 P3 P4 P5 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	l ₁	L	HS1500	HS1540	Item Nr.	Designation	ød ₁	l ₁	L	HS1500	HS1540
12.11 ...	TLDS 1897 0100	1,0	6	26	...1316	...1540	12.11 ...	TLDS 1897 0500	5,0	26	62	...1396	...1580
12.11 ...	TLDS 1897 0110	1,1	7	28	...1317	...1541	12.11 ...	TLDS 1897 0510	5,1	26	62	...1397	...1581
12.11 ...	TLDS 1897 0120	1,2	8	30	...1318	...1542	12.11 ...	TLDS 1897 0520	5,2	26	62	...1398	...1582
12.11 ...	TLDS 1897 0130	1,3	8	30	...1319	...1543	12.11 ...	TLDS 1897 0530	5,3	26	62	...1399	...1583
12.11 ...	TLDS 1897 0140	1,4	9	32	...1320	...1544	12.11 ...	TLDS 1897 0540	5,4	28	66	...1360	...1584
12.11 ...	TLDS 1897 0150	1,5	9	32	...1321	...1545	12.11 ...	TLDS 1897 0550	5,5	28	66	...1361	...1585
12.11 ...	TLDS 1897 0160	1,6	10	34	...1322	...1546	12.11 ...	TLDS 1897 0560	5,6	28	66	...1362	...1586
12.11 ...	TLDS 1897 0170	1,7	10	34	...1323	...1547	12.11 ...	TLDS 1897 0570	5,7	28	66	...1363	...1587
12.11 ...	TLDS 1897 0180	1,8	11	36	...1324	...1548	12.11 ...	TLDS 1897 0580	5,8	28	66	...1364	...1588
12.11 ...	TLDS 1897 0190	1,9	11	36	...1325	...1549	12.11 ...	TLDS 1897 0590	5,9	28	66	...1365	...1589
12.11 ...	TLDS 1897 0200	2,0	12	38	...1326	...1550	12.11 ...	TLDS 1897 0600	6,0	28	66	...1366	...1590
12.11 ...	TLDS 1897 0210	2,1	12	38	...1327	...1551	12.11 ...	TLDS 1897 0610	6,1	31	70	...1367	...1591
12.11 ...	TLDS 1897 0220	2,2	13	40	...1328	...1552	12.11 ...	TLDS 1897 0660	6,2	31	70	...1368	...1592
12.11 ...	TLDS 1897 0230	2,3	13	40	...1329	...1553	12.11 ...	TLDS 1897 0630	6,3	31	70	...1369	...1593
12.11 ...	TLDS 1897 0240	2,4	14	43	...1330	...1554	12.11 ...	TLDS 1897 0640	6,4	31	70	...1370	...1594
12.11 ...	TLDS 1897 0250	2,5	14	43	...1331	...1555	12.11 ...	TLDS 1897 0650	6,5	31	70	...1371	...1595
12.11 ...	TLDS 1897 0260	2,6	14	43	...1332	...1556	12.11 ...	TLDS 1897 0660	6,6	31	70	...1372	...1596
12.11 ...	TLDS 1897 0270	2,7	16	46	...1333	...1557	12.11 ...	TLDS 1897 0670	6,7	31	70	...1373	...1597
12.11 ...	TLDS 1897 0280	2,8	16	46	...1334	...1558	12.11 ...	TLDS 1897 0680	6,8	34	74	...1374	...1598
12.11 ...	TLDS 1897 0290	2,9	16	46	...1335	...1559	12.11 ...	TLDS 1897 0690	6,9	34	74	...1375	...1599
12.11 ...	TLDS 1897 0300	3,0	16	46	...1336	...1560	12.11 ...	TLDS 1897 0700	7,0	34	74	...1376	...1600
12.11 ...	TLDS 1897 0310	3,1	18	49	...1337	...1561	12.11 ...	TLDS 1897 0710	7,1	34	74	...1377	...1601
12.11 ...	TLDS 1897 0320	3,2	18	49	...1338	...1562	12.11 ...	TLDS 1897 0720	7,2	34	74	...1378	...1602
12.11 ...	TLDS 1897 0330	3,3	18	49	...1339	...1563	12.11 ...	TLDS 1897 0730	7,3	34	74	...1379	...1603
12.11 ...	TLDS 1897 0340	3,4	20	52	...1340	...1564	12.11 ...	TLDS 1897 0770	7,4	34	74	...1380	...1604
12.11 ...	TLDS 1897 0350	3,5	20	52	...1341	...1565	12.11 ...	TLDS 1897 0750	7,5	34	74	...1381	...1605
12.11 ...	TLDS 1897 0360	3,6	20	52	...1342	...1566	12.11 ...	TLDS 1897 0760	7,6	37	79	...1382	...1606
12.11 ...	TLDS 1897 0370	3,7	20	52	...1343	...1567	12.11 ...	TLDS 1897 0770	7,7	37	79	...1383	...1607
12.11 ...	TLDS 1897 0380	3,8	22	55	...1344	...1568	12.11 ...	TLDS 1897 0780	7,8	37	79	...1384	...1608
12.11 ...	TLDS 1897 0390	3,9	22	55	...1345	...1569	12.11 ...	TLDS 1897 0790	7,9	37	79	...1385	...1609
12.11 ...	TLDS 1897 0400	4,0	22	55	...1346	...1570	12.11 ...	TLDS 1897 0800	8,0	37	79	...1386	...1610
12.11 ...	TLDS 1897 0410	4,1	22	55	...1347	...1571	12.11 ...	TLDS 1897 0810	8,1	37	79	...1387	...1611
12.11 ...	TLDS 1897 0420	4,2	22	55	...1348	...1572	12.11 ...	TLDS 1897 0820	8,2	37	79	...1388	...1612
12.11 ...	TLDS 1897 0430	4,3	24	58	...1349	...1573	12.11 ...	TLDS 1897 0830	8,3	37	79	...1389	...1613
12.11 ...	TLDS 1897 0440	4,4	24	58	...1350	...1574	12.11 ...	TLDS 1897 0840	8,4	37	79	...1390	...1614
12.11 ...	TLDS 1897 0450	4,5	24	58	...1351	...1575	12.11 ...	TLDS 1897 0850	8,5	37	79	...1391	...1615
12.11 ...	TLDS 1897 0460	4,6	24	58	...1352	...1576	12.11 ...	TLDS 1897 0860	8,6	40	84	...1392	...1616
12.11 ...	TLDS 1897 0470	4,7	24	58	...1353	...1577	12.11 ...	TLDS 1897 0870	8,7	40	84	...1393	...1617
12.11 ...	TLDS 1897 0480	4,8	26	62	...1354	...1578	12.11 ...	TLDS 1897 0880	8,8	40	84	...1394	...1618
12.11 ...	TLDS 1897 0490	4,9	26	62	...1355	...1579	12.11 ...	TLDS 1897 0890	8,9	40	84	...1395	...1619

TLDS 1897 ...
 HSSE-Co PHD twisted drill
 Type "S", tip 130°
 Cylindrical shank
 Short lengths to DIN1897
 Self centering drill for high
 volume production

TLDS 1897 ...
 HSSE-Co PHD Spiralbohrer
 Typ "S", tip 130°
 Zylinderschaft
 Kurz nach DIN1897
 Selbstzentrierender Bohrer für
 Serienherstellung

TLDS 1897 ...
 Forets PHD en HSSE-Co
 Type "S", affûtage 130°
 Queue cylindrique
 Longueur courte selon DIN1897
 Forets pour production en série



GRP B11	FAM 102
DIN 1897	HS1500 HSSE-Co5
	HS1540 HSSE-Co5 +TiAlN

Item Nr.	Designation	$\varnothing d_1$	l_1	L	HS1500	HS1540	Item Nr.	Designation	$\varnothing d_1$	l_1	L	HS1500	HS1540
12.11 ...	TLDS 1897 0900	9,0	40	84	...1396	...1620	12.11 ...	TLDS 1897 1250	12,5	51	102	...1412	...1636
12.11 ...	TLDS 1897 0910	9,1	40	84	...1397	...1621	12.11 ...	TLDS 1897 1300	13,0	51	102	...1413	...1637
12.11 ...	TLDS 1897 0920	9,2	40	84	...1398	...1622	12.11 ...	TLDS 1897 1350	13,5	54	107	...1414	...1638
12.11 ...	TLDS 1897 0930	9,3	40	84	...1399	...1623	12.11 ...	TLDS 1897 1400	14,0	54	107	...1415	...1639
12.11 ...	TLDS 1897 0940	9,4	40	84	...1400	...1624	12.11 ...	TLDS 1897 1450	14,5	56	111	...1416	...1640
12.11 ...	TLDS 1897 0950	9,5	40	84	...1401	...1625	12.11 ...	TLDS 1897 1500	15,0	56	111	...1417	...1641
12.11 ...	TLDS 1897 0960	9,6	43	89	...1402	...1626	12.11 ...	TLDS 1897 1550	15,5	58	115	...1418	...1642
12.11 ...	TLDS 1897 0970	9,7	43	89	...1403	...1627	12.11 ...	TLDS 1897 1600	16,0	58	115	...1419	...1643
12.11 ...	TLDS 1897 0980	9,8	43	89	...1404	...1628	12.11 ...	TLDS 1897 1650	16,5	60	119	...1420	...1644
12.11 ...	TLDS 1897 0990	9,9	43	89	...1405	...1629	12.11 ...	TLDS 1897 1700	17,0	60	119	...1421	...1645
12.11 ...	TLDS 1897 1000	10,0	43	89	...1406	...1630	12.11 ...	TLDS 1897 1750	17,5	62	123	...1422	...1646
12.11 ...	TLDS 1897 1020	10,2	43	89	...1407	...1631	12.11 ...	TLDS 1897 1800	18,0	62	123	...1423	...1647
12.11 ...	TLDS 1897 1050	10,5	43	89	...1408	...1632	12.11 ...	TLDS 1897 1850	18,5	64	127	...1424	...1648
12.11 ...	TLDS 1897 1100	11,0	47	95	...1409	...1633	12.11 ...	TLDS 1897 1900	19,0	64	127	...1425	...1649
12.11 ...	TLDS 1897 1150	11,5	47	95	...1410	...1634	12.11 ...	TLDS 1897 1950	19,5	66	131	...1426	...1650
12.11 ...	TLDS 1897 1200	12,0	51	102	...1411	...1635	12.11 ...	TLDS 1897 2000	20,0	66	131	...1427	...1651

Ordering example :

5 pcs TLDS 1897 1000 HS1500 (Item number 12.11.1406)

TLDS 338 ...
 HSSE-Co PHD twisted drill
 Type "S", tip 130°
 Cylindrical shank
 Normal lengths to DIN338
 Self centering drill for high
 volume production

TLDS 338 ...
 HSSE-Co PHD Spiralbohrer
 Typ "S", tip 130°
 Zylinderschaft
 Normallänge nach DIN338
 Selbstzentrierender Bohrer für
 Serienherstellung

TLDS 338 ...
 Forets PHD en HSSE-Co
 Type "S", affûtage 130°
 Queue cylindrique
 Longueur normale selon DIN338
 Forets pour production en série

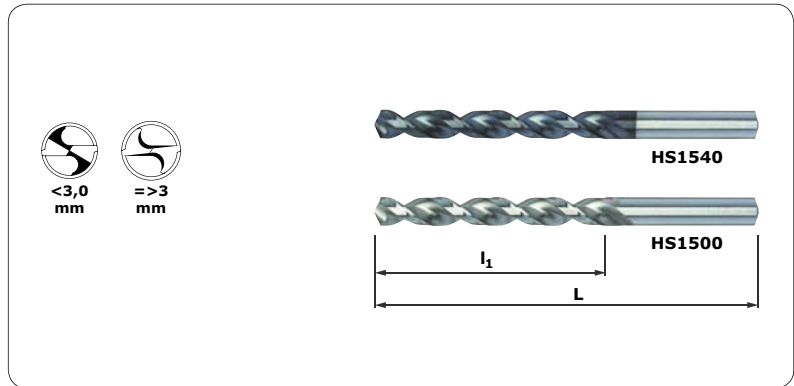
**GRP
B11**

**FAM
101**

**DIN
338**

**HS1500
HSSE-Co5**

**HS1540
HSSE-Co5
+TiAlN**



P1 P2 P3 P4 P5 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ϕd_1	I_1	L	HS1500	HS1540	Item Nr.	Designation	ϕd_1	I_1	L	HS1500	HS1540
12.11 ...	TLDS 338 0100	1,0	12	34	...1001	...1211	12.11 ...	TLDS 338 0500	5,0	52	86	...1041	...1251
12.11 ...	TLDS 338 0110	1,1	14	36	...1002	...1212	12.11 ...	TLDS 338 0510	5,1	52	86	...1042	...1252
12.11 ...	TLDS 338 0120	1,2	16	38	...1003	...1213	12.11 ...	TLDS 338 0520	5,2	52	86	...1043	...1253
12.11 ...	TLDS 338 0130	1,3	16	38	...1004	...1214	12.11 ...	TLDS 338 0530	5,3	52	86	...1044	...1254
12.11 ...	TLDS 338 0140	1,4	18	40	...1005	...1215	12.11 ...	TLDS 338 0540	5,4	57	93	...1045	...1255
12.11 ...	TLDS 338 0150	1,5	18	40	...1006	...1216	12.11 ...	TLDS 338 0550	5,5	57	93	...1046	...1256
12.11 ...	TLDS 338 0160	1,6	20	43	...1007	...1217	12.11 ...	TLDS 338 0560	5,6	57	93	...1047	...1257
12.11 ...	TLDS 338 0170	1,7	20	43	...1008	...1218	12.11 ...	TLDS 338 0570	5,7	57	93	...1048	...1258
12.11 ...	TLDS 338 0180	1,8	22	46	...1009	...1219	12.11 ...	TLDS 338 0580	5,8	57	93	...1049	...1259
12.11 ...	TLDS 338 0190	1,9	22	46	...1010	...1220	12.11 ...	TLDS 338 0590	5,9	57	93	...1050	...1260
12.11 ...	TLDS 338 0200	2,0	24	49	...1011	...1221	12.11 ...	TLDS 338 0600	6,0	57	93	...1051	...1265
12.11 ...	TLDS 338 0210	2,1	24	49	...1012	...1222	12.11 ...	TLDS 338 0610	6,1	63	101	...1052	...1262
12.11 ...	TLDS 338 0220	2,2	27	53	...1013	...1223	12.11 ...	TLDS 338 0620	6,2	63	101	...1053	...1263
12.11 ...	TLDS 338 0230	2,3	27	53	...1014	...1224	12.11 ...	TLDS 338 0630	6,3	63	101	...1054	...1264
12.11 ...	TLDS 338 0240	2,4	30	57	...1012	...1225	12.11 ...	TLDS 338 0640	6,4	63	101	...1052	...1265
12.11 ...	TLDS 338 0250	2,5	30	57	...1016	...1226	12.11 ...	TLDS 338 0650	6,5	63	101	...1056	...1266
12.11 ...	TLDS 338 0260	2,6	30	57	...1017	...1227	12.11 ...	TLDS 338 0660	6,6	63	101	...1057	...1267
12.11 ...	TLDS 338 0270	2,7	33	61	...1018	...1228	12.11 ...	TLDS 338 0670	6,7	63	101	...1058	...1268
12.11 ...	TLDS 338 0280	2,8	33	61	...1019	...1229	12.11 ...	TLDS 338 0680	6,8	69	109	...1059	...1269
12.11 ...	TLDS 338 0290	2,9	33	61	...1020	...1230	12.11 ...	TLDS 338 0690	6,9	69	109	...1060	...1270
12.11 ...	TLDS 338 0300	3,0	33	61	...1021	...1231	12.11 ...	TLDS 338 0700	7,0	69	109	...1061	...1271
12.11 ...	TLDS 338 0310	3,1	36	65	...1022	...1232	12.11 ...	TLDS 338 0710	7,1	69	109	...1062	...1272
12.11 ...	TLDS 338 0320	3,2	36	65	...1023	...1233	12.11 ...	TLDS 338 0720	7,2	69	109	...1063	...1273
12.11 ...	TLDS 338 0330	3,3	36	65	...1024	...1234	12.11 ...	TLDS 338 0730	7,3	69	109	...1064	...1274
12.11 ...	TLDS 338 0340	3,4	39	70	...1025	...1235	12.11 ...	TLDS 338 0740	7,4	69	109	...1065	...1275
12.11 ...	TLDS 338 0350	3,5	39	70	...1026	...1236	12.11 ...	TLDS 338 0750	7,5	69	109	...1066	...1276
12.11 ...	TLDS 338 0360	3,6	39	70	...1027	...1237	12.11 ...	TLDS 338 0760	7,6	75	117	...1067	...1277
12.11 ...	TLDS 338 0370	3,7	39	70	...1028	...1238	12.11 ...	TLDS 338 0770	7,7	75	117	...1068	...1278
12.11 ...	TLDS 338 0380	3,8	43	75	...1029	...1239	12.11 ...	TLDS 338 0780	7,8	75	117	...1069	...1279
12.11 ...	TLDS 338 0390	3,9	43	75	...1030	...1240	12.11 ...	TLDS 338 0790	7,9	75	117	...1070	...1280
12.11 ...	TLDS 338 0400	4,0	43	75	...1031	...1241	12.11 ...	TLDS 338 0800	8,0	75	117	...1071	...1281
12.11 ...	TLDS 338 0410	4,1	43	75	...1032	...1242	12.11 ...	TLDS 338 0810	8,1	75	117	...1072	...1282
12.11 ...	TLDS 338 0420	4,2	43	75	...1033	...1243	12.11 ...	TLDS 338 0820	8,2	75	117	...1073	...1283
12.11 ...	TLDS 338 0430	4,3	47	80	...1034	...1244	12.11 ...	TLDS 338 0830	8,3	75	117	...1074	...1284
12.11 ...	TLDS 338 0440	4,4	47	80	...1035	...1245	12.11 ...	TLDS 338 0840	8,4	75	117	...1075	...1285
12.11 ...	TLDS 338 0450	4,5	47	80	...1036	...1246	12.11 ...	TLDS 338 0850	8,5	75	117	...1076	...1286
12.11 ...	TLDS 338 0460	4,6	47	80	...1037	...1247	12.11 ...	TLDS 338 0860	8,6	81	125	...1077	...1287
12.11 ...	TLDS 338 0470	4,7	47	80	...1038	...1248	12.11 ...	TLDS 338 0870	8,7	81	125	...1078	...1288
12.11 ...	TLDS 338 0480	4,8	52	86	...1039	...1249	12.11 ...	TLDS 338 0880	8,8	81	125	...1079	...1289
12.11 ...	TLDS 338 0490	4,9	52	86	...1040	...1250	12.11 ...	TLDS 338 0890	8,9	81	125	...1080	...1290

TLDS 338 ...

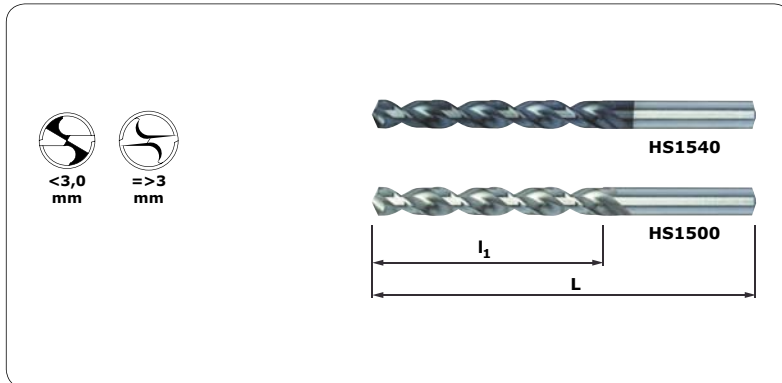
HSSE-Co PHD twisted drill
Type "S", tip 130°
Cylindrical shank
Normal lengths to DIN338
Self centering drill for high
volume production

TLDS 338 ...

HSSE-Co PHD Spiralbohrer
Typ "S", tip 130°
Zylinderschaft
Normallänge nach DIN338
Selbstzentrierender Bohrer für
Serienherstellung

TLDS 338 ...

Forets PHD en HSSE-Co
Type "S", affûtage 130°
Queue cylindrique
Longueur normale selon DIN338
Forets pour production en série



GRP
B11

FAM
101

DIN
338

HS1500
HSSE-Co5

HS1540
HSSE-Co5
+TiAlN

P1 P2 P3 P4 P5 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	$\varnothing d_1$	l_1	L	HS1500	HS1540	Item Nr.	Designation	$\varnothing d_1$	l_1	L	HS1500	HS1540
12.11 ...	TLDS 338 0900	9,0	81	125	...1081	...1291	12.11 ...	TLDS 338 1100	11,0	94	142	...1094	...1304
12.11 ...	TLDS 338 0910	9,1	81	125	...1082	...1292	12.11 ...	TLDS 338 1150	11,5	94	142	...1095	...1305
12.11 ...	TLDS 338 0920	9,2	81	125	...1083	...1293	12.11 ...	TLDS 338 1200	12,0	101	151	...1096	...1306
12.11 ...	TLDS 338 0930	9,3	81	125	...1084	...1294	12.11 ...	TLDS 338 1250	12,5	101	151	...1097	...1307
12.11 ...	TLDS 338 0940	9,4	81	125	...1085	...1295	12.11 ...	TLDS 338 1300	13,0	101	151	...1098	...1308
12.11 ...	TLDS 338 0950	9,5	81	125	...1086	...1296	12.11 ...	TLDS 338 1400	14,0	108	160	...1099	...1309
12.11 ...	TLDS 338 0960	9,6	87	133	...1087	...1297	12.11 ...	TLDS 338 1500	15,0	114	169	...1100	...1310
12.11 ...	TLDS 338 0970	9,7	87	133	...1088	...1298	12.11 ...	TLDS 338 1600	16,0	120	178	...1101	...1311
12.11 ...	TLDS 338 0980	9,8	87	133	...1089	...1299	12.11 ...	TLDS 338 1700	17,0	125	184	...1102	...1312
12.11 ...	TLDS 338 0990	9,9	87	133	...1090	...1300	12.11 ...	TLDS 338 1800	18,0	130	191	...1103	...1313
12.11 ...	TLDS 338 1000	10,0	87	133	...1091	...1309	12.11 ...	TLDS 338 1900	19,0	135	198	...1104	...1314
12.11 ...	TLDS 338 1020	10,2	87	133	...1092	...1302	12.11 ...	TLDS 338 2000	20,0	140	205	...1105	...1315
12.11 ...	TLDS 338 1050	10,5	87	133	...1093	...1303							

Ordering example :

5 pcs TLDS 338 1000 HS1500 (Item number 12.11.1091)

TLDS 340 ...
 HSSE-Co PHD twisted drill
 Type "S", tip 130°
 Cylindrical shank
 Long lengths to DIN340
 Self centering drill for high
 volume production

TLDS 340 ...
 HSSE-Co PHD Spiralbohrer
 Typ "S", tip 130°
 Zylinderschaft
 Lang nach DIN340
 Selbstzentrierender Bohrer für
 Serienherstellung

TLDS 340 ...
 Forets PHD en HSSE-Co
 Type "S", affûtage 130°
 Queue cylindrique
 Longueur longue selon DIN340
 Forets pour production en série

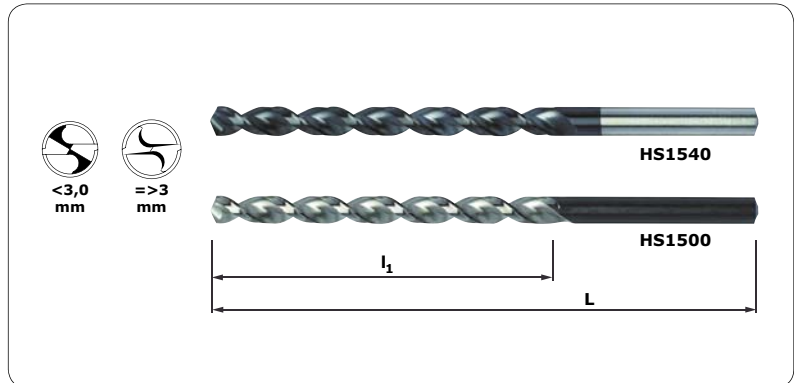
**GRP
B11**

**FAM
103**

**DIN
340**

**HS1500
HSSE-Co5**

**HS1540
HSSE-Co5
+TiAlN**



P1 P2 P3 P4 P5 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ϕd_1	l_1	L	HS1500	HS1540	Item Nr.	Designation	ϕd_1	l_1	L	HS1500	HS1540
12.11 ...	TLDS 340 0200	2,0	56	85	...2258	...2285	12.11 ...	TLDS 340 0750	7,5	102	156	...2272	...2299
12.11 ...	TLDS 340 0250	2,5	62	95	...2259	...2286	12.11 ...	TLDS 340 0800	8,0	109	165	...2273	...2300
12.11 ...	TLDS 340 0300	3,0	66	100	...2260	...2287	12.11 ...	TLDS 340 0850	8,5	109	165	...2274	...2301
12.11 ...	TLDS 340 0330	3,3	69	106	...2261	...2288	12.11 ...	TLDS 340 0900	9,0	115	175	...2275	...2302
12.11 ...	TLDS 340 0350	3,5	73	112	...2262	...2289	12.11 ...	TLDS 340 0950	9,5	115	175	...2276	...2303
12.11 ...	TLDS 340 0400	4,0	78	119	...2263	...2290	12.11 ...	TLDS 340 1000	10,0	121	184	...2277	...2304
12.11 ...	TLDS 340 0420	4,2	78	119	...2264	...2291	12.11 ...	TLDS 340 1020	10,2	121	184	...2278	...2305
12.11 ...	TLDS 340 0450	4,5	82	126	...2265	...2292	12.11 ...	TLDS 340 1050	10,5	121	184	...2279	...2306
12.11 ...	TLDS 340 0500	5,0	87	132	...2266	...2293	12.11 ...	TLDS 340 1100	11,0	128	195	...2280	...2307
12.11 ...	TLDS 340 0550	5,5	91	139	...2267	...2294	12.11 ...	TLDS 340 1150	11,5	128	195	...2281	...2308
12.11 ...	TLDS 340 0600	6,0	91	139	...2268	...2295	12.11 ...	TLDS 340 1200	12,0	134	205	...2282	...2309
12.11 ...	TLDS 340 0650	6,5	97	148	...2269	...2296	12.11 ...	TLDS 340 1250	12,5	134	205	...2283	...2310
12.11 ...	TLDS 340 0680	6,8	102	156	...2270	...2297	12.11 ...	TLDS 340 1300	13,0	134	205	...2284	...2311
12.11 ...	TLDS 340 0700	7,0	102	156	...2271	...2298							

Ordering example :

5 pcs TLDS 340 1000 HS1500 (Item number 12.11.2277)

TLDX 338 ...

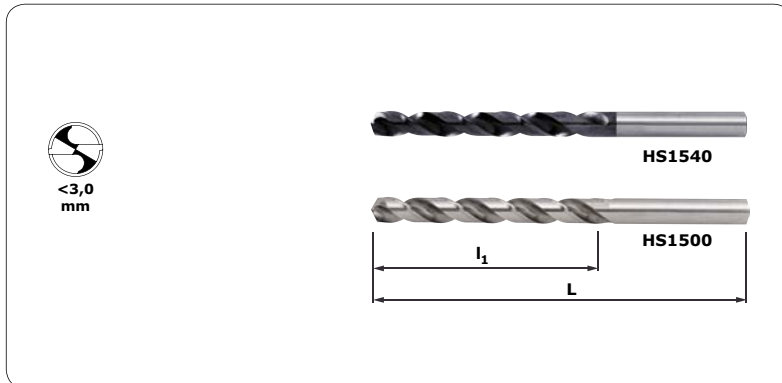
HSSE-Co PXD twisted drill
 Type "S", tip 130°
 Cylindrical shank
 Normal lengths to DIN338
 Self centering drill for stainless
 steels

TLDX 338 ...

HSSE-Co PXD Spiralbohrer
 Typ "S", tip 130°
 Zylinderschaft
 Normallänge nach DIN338
 Selbstzentrierender Bohrer für
 Nichtrostende Stähle

TLDX 338 ...

Forets PXD en HSSE-Co
 Type "S", affûtage 130°
 Queue cylindrique
 Longueur normale selon DIN338
 Forets pour des aciers
 inoxydable

**GRP
B11****FAM
208****DIN
338****HS1500
HSSE-Co5****HS1540
HSSE-Co5
+TiAlN**

P1 P2 P3 P4 P5 M1 M2 K1 N1 N2 N4 N5

Item Nr.	Designation	$\varnothing d_1$	l_1	L	HS1500	HS1540	Item Nr.	Designation	$\varnothing d_1$	l_1	L	HS1500	HS1540
12.11 ...	TLDX 338 0100	1,0	12	34	...2312	...2382	12.11 ...	TLDX 338 0450	4,5	47	80	...2347	...2392
12.11 ...	TLDX 338 0110	1,1	14	36	...2313		12.11 ...	TLDX 338 0460	4,6	47	80	...2348	
12.11 ...	TLDX 338 0120	1,2	16	38	...2314		12.11 ...	TLDX 338 0470	4,7	47	80	...2349	
12.11 ...	TLDX 338 0130	1,3	16	38	...2315		12.11 ...	TLDX 338 0480	4,8	52	86	...2350	
12.11 ...	TLDX 338 0140	1,4	18	40	...2316		12.11 ...	TLDX 338 0490	4,9	52	86	...2351	
12.11 ...	TLDX 338 0150	1,5	18	40	...2317	...2383	12.11 ...	TLDX 338 0500	5,0	52	86	...2352	...2393
12.11 ...	TLDX 338 0160	1,6	20	43	...2318		12.11 ...	TLDX 338 0510	5,1	52	86	...2353	
12.11 ...	TLDX 338 0170	1,7	20	43	...2319		12.11 ...	TLDX 338 0520	5,2	52	86	...2354	
12.11 ...	TLDX 338 0180	1,8	22	46	...2320		12.11 ...	TLDX 338 0530	5,3	52	86	...2355	
12.11 ...	TLDX 338 0190	1,9	22	46	...2321		12.11 ...	TLDX 338 0540	5,4	57	93	...2356	
12.11 ...	TLDX 338 0200	2,0	24	49	...2322	...2384	12.11 ...	TLDX 338 0550	5,5	57	93	...2357	...2394
12.11 ...	TLDX 338 0210	2,1	24	49	...2323		12.11 ...	TLDX 338 0560	5,6	57	93	...2358	
12.11 ...	TLDX 338 0220	2,2	27	53	...2324		12.11 ...	TLDX 338 0570	5,7	57	93	...2359	
12.11 ...	TLDX 338 0230	2,3	27	53	...2325		12.11 ...	TLDX 338 0580	5,8	57	93	...2360	
12.11 ...	TLDX 338 0240	2,4	30	57	...2326		12.11 ...	TLDX 338 0590	5,9	57	93	...2361	
12.11 ...	TLDX 338 0250	2,5	30	57	...2327	...2385	12.11 ...	TLDX 338 0600	6,0	57	93	...2362	...2395
12.11 ...	TLDX 338 0260	2,6	30	57	...2328		12.11 ...	TLDX 338 0620	6,2	63	101	...2363	
12.11 ...	TLDX 338 0270	2,7	33	61	...2329		12.11 ...	TLDX 338 0650	6,5	63	101	...2364	...2396
12.11 ...	TLDX 338 0280	2,8	33	61	...2330		12.11 ...	TLDX 338 0680	6,8	69	109	...2365	...2397
12.11 ...	TLDX 338 0290	2,9	33	61	...2331		12.11 ...	TLDX 338 0700	7,0	69	109	...2366	...2398
12.11 ...	TLDX 338 0300	3,0	33	61	...2332	...2386	12.11 ...	TLDX 338 0750	7,5	69	109	...2367	...2399
12.11 ...	TLDX 338 0310	3,1	36	65	...2333		12.11 ...	TLDX 338 0800	8,0	75	117	...2368	...2400
12.11 ...	TLDX 338 0320	3,2	36	65	...2334	...2387	12.11 ...	TLDX 338 0850	8,5	75	117	...2369	...2401
12.11 ...	TLDX 338 0330	3,3	36	65	...2335	...2388	12.11 ...	TLDX 338 0900	9,0	81	125	...2370	...2402
12.11 ...	TLDX 338 0340	3,4	39	70	...2336		12.11 ...	TLDX 338 0950	9,5	81	125	...2371	...2403
12.11 ...	TLDX 338 0350	3,5	39	70	...2337	...2389	12.11 ...	TLDX 338 1000	10,0	87	133	...2372	...2404
12.11 ...	TLDX 338 0360	3,6	39	70	...2338		12.11 ...	TLDX 338 1020	10,2	87	133	...2373	...2405
12.11 ...	TLDX 338 0370	3,7	39	70	...2339		12.11 ...	TLDX 338 1050	10,5	87	133	...2374	...2406
12.11 ...	TLDX 338 0380	3,8	43	75	...2340		12.11 ...	TLDX 338 1100	11,0	94	142	...2375	...2407
12.11 ...	TLDX 338 0390	3,9	43	75	...2341		12.11 ...	TLDX 338 1150	11,5	94	142	...2376	...2408
12.11 ...	TLDX 338 0400	4,0	43	75	...2342	...2390	12.11 ...	TLDX 338 1200	12,0	101	151	...2377	...2409
12.11 ...	TLDX 338 0410	4,1	43	75	...2343		12.11 ...	TLDX 338 1250	12,5	101	151	...2378	...2410
12.11 ...	TLDX 338 0420	4,2	43	75	...2344	...2391	12.11 ...	TLDX 338 1300	13,0	101	151	...2379	...2411
12.11 ...	TLDX 338 0430	4,3	47	80	...2345		12.11 ...	TLDX 338 1350	13,5	108	160	...2380	...2412
12.11 ...	TLDX 338 0440	4,4	47	80	...2346		12.11 ...	TLDX 338 1400	14,0	108	160	...2381	...2413

Ordering example :

5 pcs TLDX 338 1000 HS1500 (Item number 12.11.2372)

CDRC 60 ... HS ...
HSS Center drills, 60°

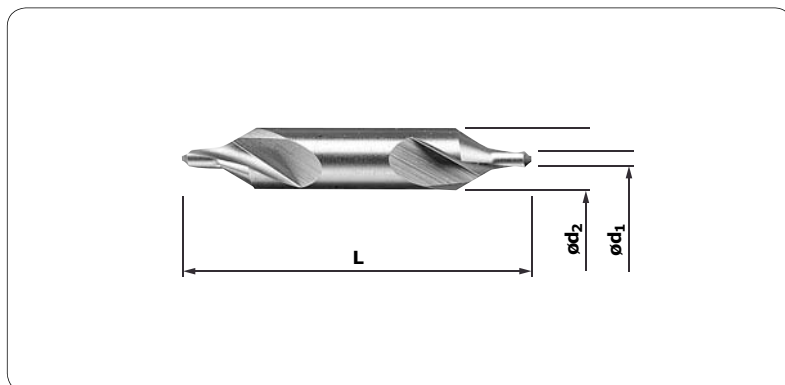
CDRC 60 ... HS ...
HSS Zentrierbohrer, 60°

CDRC 60 ... HS ...
Forets à centrer en HSS, 60°

GRP
B11

FAM
210

HS1000
HSS



P1 P2 P3 M1 K1 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	ød ₂	L	Standard
12.11.2440	CDRC 60 0,50-3,15 HS1000	0,50	3,15	25	DIN 333 A (ISO)
12.11.2441	CDRC 60 0,63-3,15 HS1000	0,63	3,15	25	DIN 333 A
12.11.2442	CDRC 60 0,75-3,50 HS1000	0,75	3,5	35	N.F.E 66063
12.11.2443	CDRC 60 0,80-3,15 HS1000	0,80	3,15	25	DIN 333 A (ISO)
12.11.2444	CDRC 60 1,00-3,15 HS1000	1,00	3,15	31	DIN 333 A (ISO)
12.11.2445	CDRC 60 1,00-4,00 HS1000	1,00	4,0	35	N.F.E 66063
12.11.2446	CDRC 60 1,25-3,15 HS1000	1,25	3,2	31	DIN 333 A (ISO)
12.11.2447	CDRC 60 1,25-4,00 HS1000	1,25	4,0	35	DIN 333 A (OLD)
12.11.2448	CDRC 60 1,50-5,00 HS1000	1,50	5,0	40	N.F.E 66063
12.11.2449	CDRC 60 1,60-4,00 HS1000	1,60	4,0	35	DIN 333 A (ISO)
12.11.2450	CDRC 60 1,60-5,00 HS1000	1,60	5,0	40	DIN 333 A (OLD)
12.11.2451	CDRC 60 2,00-5,00 HS1000	2,00	5,0	40	DIN 333 A (ISO)
12.11.2452	CDRC 60 2,00-6,00 HS1000	2,00	6,0	45	N.F.E 66063
12.11.2453	CDRC 60 2,00-6,30 HS1000	2,00	6,3	45	DIN 333 A (OLD)
12.11.2454	CDRC 60 2,50-6,30 HS1000	2,50	6,3	45	DIN 333 A (ISO)
12.11.2455	CDRC 60 2,50-8,00 HS1000	2,50	8,0	50	N.F.E 66063
12.11.2456	CDRC 60 3,00-10,0 HS1000	3,00	10,0	55	N.F.E 66063
12.11.2457	CDRC 60 3,15-8,00 HS1000	3,15	8,0	50	DIN 333 A (ISO)
12.11.2458	CDRC 60 3,15-10,0 HS1000	3,15	10,0	55	DIN 333 A (OLD)
12.11.2459	CDRC 60 3,50-10,0 HS1000	3,50	10,0	55	N.F.E 66063
12.11.2460	CDRC 60 4,00-10,0 HS1000	4,00	10,0	55	DIN 333 A (ISO)
12.11.2461	CDRC 60 4,00-12,0 HS1000	4,00	12,0	63	N.F.E 66063
12.11.2462	CDRC 60 4,00-12,5 HS1000	4,00	12,5	63	DIN 333 A (OLD)
12.11.2463	CDRC 60 5,00-12,5 HS1000	5,00	12,5	63	DIN 333 A (ISO)
12.11.2464	CDRC 60 5,00-14,0 HS1000	5,00	14,0	69	N.F.E 66063
12.11.2465	CDRC 60 5,00-16,0 HS1000	5,00	16,0	71	DIN 333 A (OLD)
12.11.2466	CDRC 60 6,00-18,0 HS1000	6,00	18,0	77	N.F.E 66063
12.11.2467	CDRC 60 6,30-16,0 HS1000	6,30	16,0	71	DIN 333 A (ISO)
12.11.2468	CDRC 60 6,30-20,0 HS1000	6,30	20,0	80	DIN 333 A (OLD)
12.11.2469	CDRC 60 8,00-20,0 HS1000	8,00	20,0	80	DIN 333 A (ISO)
12.11.2470	CDRC 60 10,0-25,0 HS1000	10,00	25,0	100	DIN 333 A (ISO)
12.11.2471	CDRC 60 12,5-31,5 HS1000	12,50	31,5	125	DIN 333 A (ISO)

Ordering example :
5 pcs CDRC 60 4,00-10,0 HS1000 (Item number 12.11.2460)

CDRN 90 ... HS ...
HSSE-Co NC-Drills, 90°

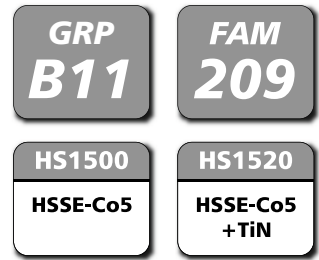
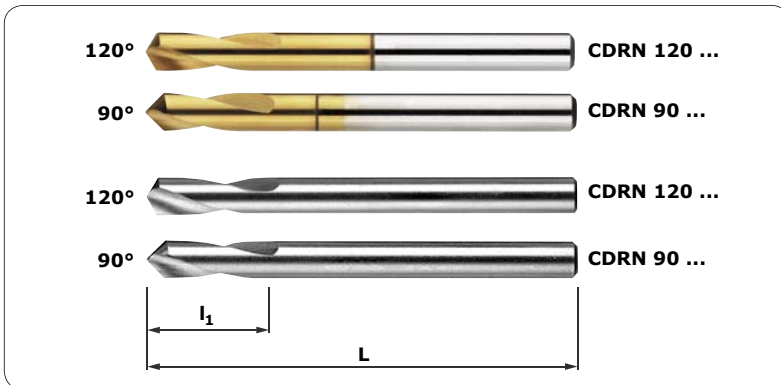
CDRN 120 ... HS ...
HSSE-Co NC-Drills, 120°

CDRN 90 ... HS ...
HSSE-Co NC-Anbohrer, 90°

CDRN 120 ... HS ...
HSSE-Co NC-Anbohrer, 120°

CDRN 90 ... HS ...
HSSE-Co Forets à pointer, 90°

CDRN 120 ... HS ...
HSSE-Co Forets à pointer, 120°



- P1 P2 P3 P4 P5 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	ød ₂	L	HS1500	HS1520
	90°					
12.11 ...	DRN 90 0200	2	8	49	...2414	
12.11 ...	DRN 90 0300	3	10	50	...2415	...1762
12.11 ...	DRN 90 0400	4	12	52	...2416	...1763
12.11 ...	DRN 90 0500	5	15	60	...2417	...1764
12.11 ...	DRN 90 0600	6	20	66	...2418	...1765
12.11 ...	DRN 90 0800	8	25	79	...2419	...1766
12.11 ...	DRN 90 1000	10	25	89	...2420	...1767
12.11 ...	DRN 90 1200	12	30	102	...2421	...1768
12.11 ...	DRN 90 1400	14	35	115	...2422	
12.11 ...	DRN 90 1600	16	35	115	...2423	...1769
12.11 ...	DRN 90 1800	18	40	130	...2424	...1770
12.11 ...	DRN 90 2000	20	40	131	...2425	...1771
12.11 ...	DRN 90 2500	25	45	138	...2426	...1772
	120°					
12.11 ...	CDRN 120 0200	2	8	49	...2427	
12.11 ...	CDRN 120 0300	3	10	50	...2428	...1773
12.11 ...	CDRN 120 0400	4	12	52	...2429	...1774
12.11 ...	CDRN 120 0500	5	15	60	...2430	...1775
12.11 ...	CDRN 120 0600	6	20	66	...2431	...1776
12.11 ...	CDRN 120 0800	8	25	79	...2432	...1777
12.11 ...	CDRN 120 1000	10	25	89	...2433	...1778
12.11 ...	CDRN 120 1200	12	30	102	...2434	...1779
12.11 ...	CDRN 120 1400	14	35	115	...2435	
12.11 ...	CDRN 120 1600	16	35	115	...2436	...1780
12.11 ...	CDRN 120 1800	18	40	130	...2437	...1781
12.11 ...	CDRN 120 2000	20	40	131	...2438	...1782
12.11 ...	CDRN 120 2500	25	45	138	...2439	...1783

Ordering example :
5 pcs CDRN 120 0600 HS1500 (Item number 12.11.2431)

BNCT 338 ...
Carbide tipped twisted drill
Cylindrical shank
Normal length to DIN338

BNCT 338 ...
HM Bestückte Spiralbohrer,
Zylinderschaft
Normallängen nach DIN338

BNCT 338 ...
Forets plaqué en carbure
Queue cylindrique
Longueur normale selon DIN338

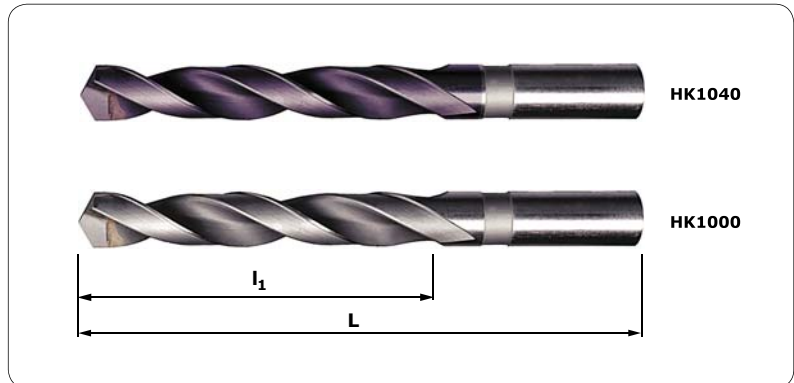
GRP
B12

FAM
115

DIN
338

HK1000
Carbide Tip

HK1040
Carbide Tip
+TiAlN



P1 P2 P3 P4 P5 P6 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	l ₁	L	HK1000	HK1040	Item Nr.	Designation	ød ₁	l ₁	L	HK1000	HK1040
12.12 ...	BNCT 338 0200	2,00	24	49	...1001	...1049	12.12 ...	BNCT 338 1100	11,00	94	142	...1025	...1073
12.12 ...	BNCT 338 0250	2,50	30	57	...1002	...1050	12.12 ...	BNCT 338 1150	11,50	94	142	...1026	...1074
12.12 ...	BNCT 338 0300	3,00	33	61	...1003	...1051	12.12 ...	BNCT 338 1185	11,85	101	151	...1027	...1075
12.12 ...	BNCT 338 0320	3,20	36	65	...1004	...1052	12.12 ...	BNCT 338 1200	12,00	101	151	...1028	...1076
12.12 ...	BNCT 338 0350	3,50	39	70	...1005	...1053	12.12 ...	BNCT 338 1250	12,50	101	151	...1029	...1077
12.12 ...	BNCT 338 0400	4,00	43	75	...1006	...1054	12.12 ...	BNCT 338 1300	13,00	101	151	...1030	...1078
12.12 ...	BNCT 338 0420	4,20	43	75	...1007	...1055	12.12 ...	BNCT 338 1350	13,50	108	160	...1031	...1079
12.12 ...	BNCT 338 0450	4,50	47	80	...1008	...1056	12.12 ...	BNCT 338 1385	13,85	108	160	...1033	...1081
12.12 ...	BNCT 338 0500	5,00	52	86	...1009	...1057	12.12 ...	BNCT 338 1400	14,00	108	160	...1034	...1082
12.12 ...	BNCT 338 0550	5,50	57	93	...1010	...1058	12.12 ...	BNCT 338 1450	14,50	114	169	...1035	...1083
12.12 ...	BNCT 338 0600	6,00	57	93	...1011	...1059	12.12 ...	BNCT 338 1500	15,00	114	169	...1036	...1084
12.12 ...	BNCT 338 0650	6,50	63	101	...1012	...1060	12.12 ...	BNCT 338 1550	15,50	120	178	...1037	...1085
12.12 ...	BNCT 338 0680	6,80	69	109	...1013	...1061	12.12 ...	BNCT 338 1585	15,85	120	178	...1038	...1086
12.12 ...	BNCT 338 0700	7,00	69	109	...1014	...1062	12.12 ...	BNCT 338 1600	16,00	120	178	...1039	...1087
12.12 ...	BNCT 338 0750	7,50	69	109	...1015	...1063	12.12 ...	BNCT 338 1650	16,50	125	184	...1040	...1088
12.12 ...	BNCT 338 0785	7,85	75	117	...1016	...1064	12.12 ...	BNCT 338 1700	17,00	125	184	...1041	...1089
12.12 ...	BNCT 338 0800	8,00	75	117	...1017	...1065	12.12 ...	BNCT 338 1750	17,50	130	191	...1042	...1090
12.12 ...	BNCT 338 0850	8,50	75	117	...1018	...1066	12.12 ...	BNCT 338 1800	18,00	130	191	...1043	...1091
12.12 ...	BNCT 338 0900	9,00	81	125	...1019	...1067	12.12 ...	BNCT 338 1850	18,50	135	198	...1044	...1092
12.12 ...	BNCT 338 0950	9,50	81	125	...1020	...1068	12.12 ...	BNCT 338 1900	19,00	135	198	...1045	...1093
12.12 ...	BNCT 338 0985	9,85	87	133	...1021	...1069	12.12 ...	BNCT 338 1950	19,50	140	205	...1046	...1094
12.12 ...	BNCT 338 1000	10,00	87	133	...1022	...1070	12.12 ...	BNCT 338 1985	19,85	140	205	...1047	...1095
12.12 ...	BNCT 338 1020	10,20	87	133	...1023	...1071	12.12 ...	BNCT 338 2000	20,00	140	205	...1048	...1096
12.12 ...	BNCT 338 1050	10,50	87	133	...1024	...1072							

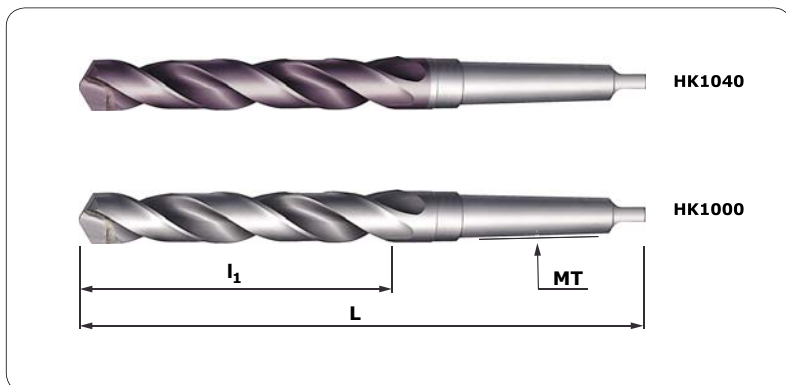
Ordering example :

5 pcs BNCT 338 0985 HK1040 (Item number 12.12.1069)

BNCT 345 ...
Carbide tipped twisted drill
Morse taper shank
Normal length to DIN345

BNCT 345 ...
HM Bestückte Spiralbohrer
Morsekegelschaft
Normallängen nach DIN345

BNCT 345 ...
Forets plaqué en carbure
Queue cylindrique
Longueur normale selon DIN345



GRP
B12

FAM
166

DIN
345

HK1000
Carbide Tip

HK1040
Carbide Tip +TiAlN

P1 P2 P3 P4 P5 P6 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	L ₁	L	MT	HK1000	HK1040
12.12 ...	BNCT 345 1000	10,00	87	168	1	...1097	...1129
12.12 ...	BNCT 345 1050	10,50	87	168	1	...1098	...1130
12.12 ...	BNCT 345 1100	11,00	94	175	1	...1099	...1131
12.12 ...	BNCT 345 1150	11,50	94	175	1	...1100	...1132
12.12 ...	BNCT 345 1185	11,85	94	175	1	...1101	...1133
12.12 ...	BNCT 345 1200	12,00	101	182	1	...1102	...1134
12.12 ...	BNCT 345 1250	12,50	101	182	1	...1103	...1135
12.12 ...	BNCT 345 1300	13,00	101	182	1	...1104	...1136
12.12 ...	BNCT 345 1350	13,50	108	189	1	...1105	...1137
12.12 ...	BNCT 345 1385	13,85	108	189	1	...1106	...1138
12.12 ...	BNCT 345 1400	14,00	108	189	1	...1107	...1139
12.12 ...	BNCT 345 1450	14,50	114	212	2	...1108	...1140
12.12 ...	BNCT 345 1500	15,00	114	212	2	...1109	...1141
12.12 ...	BNCT 345 1550	15,50	120	218	2	...1110	...1142
12.12 ...	BNCT 345 1585	15,85	120	218	2	...1111	...1143
12.12 ...	BNCT 345 1600	16,00	120	218	2	...1112	...1144
12.12 ...	BNCT 345 1650	16,50	125	223	2	...1113	...1145
12.12 ...	BNCT 345 1700	17,00	125	223	2	...1114	...1146
12.12 ...	BNCT 345 1750	17,50	130	228	2	...1115	...1147
12.12 ...	BNCT 345 1800	18,00	130	228	2	...1116	...1148
12.12 ...	BNCT 345 1850	18,50	135	233	2	...1117	...1149
12.12 ...	BNCT 345 1900	19,00	135	233	2	...1118	...1150
12.12 ...	BNCT 345 1950	19,50	140	238	2	...1119	...1151
12.12 ...	BNCT 345 1985	19,85	140	238	2	...1120	...1152
12.12 ...	BNCT 345 2000	20,00	140	238	2	...1121	...1153
12.12 ...	BNCT 345 2100	21,00	145	243	2	...1122	...1154
12.12 ...	BNCT 345 2185	21,85	150	248	2	...1123	...1155
12.12 ...	BNCT 345 2200	22,00	150	248	2	...1124	...1156
12.12 ...	BNCT 345 2300	23,00	155	253	2	...1125	...1157
12.12 ...	BNCT 345 2400	24,00	160	281	3	...1126	...1158
12.12 ...	BNCT 345 2500	25,00	160	281	3	...1127	...1159
12.12 ...	BNCT 345 3000	30,00	175	296	3	...1128	...1160

Ordering example :
5 pcs BNCT 345 1985 HK1000 (Item number 12.12.1120)

SCD 3D 2...
Solid carbide twisted drill
Cylindrical shank
Short lengths to DIN6539

SCD 3D 2...
Vollhartmetall Spiralbohrer
Zylinderschaft
Kurz nach DIN6539

SCD 3D 2...
Forets en carbure monobloc
Queue cylindrique
Longueur courte selon DIN6539

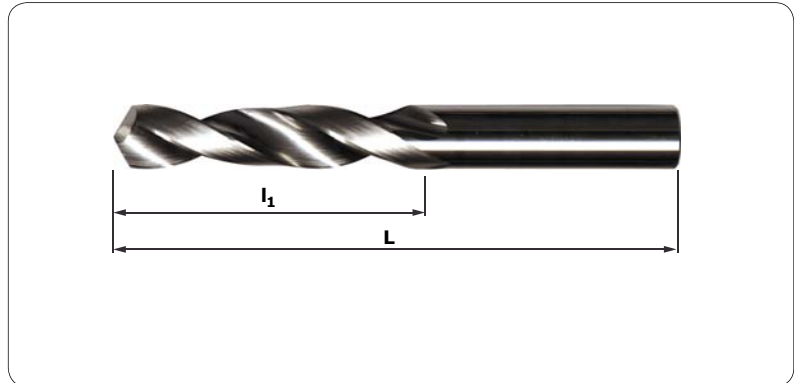
**GRP
B14**

**FAM
298**

**DIN
6539**

**SC1000
K10**

**SC1045
K10
+TiAlN**



P1 P2 P3 P4 P5 P6 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	I ₁	L	SC1000	SC1045	Item Nr.	Designation	ød ₁	I ₁	L	SC1000	SC1045
12.14 ...	SCD 3D 2020	2,0	12	38	...1001	...1081	12.14 ...	SCD 3D 2060	6,0	28	66	...1041	...1121
12.14 ...	SCD 3D 2021	2,1	12	38	...1002	...1082	12.14 ...	SCD 3D 2061	6,1	31	70	...1042	...1122
12.14 ...	SCD 3D 2022	2,2	13	40	...1003	...1083	12.14 ...	SCD 3D 2062	6,2	31	70	...1043	...1123
12.14 ...	SCD 3D 2023	2,3	13	40	...1004	...1084	12.14 ...	SCD 3D 2063	6,3	31	70	...1044	...1124
12.14 ...	SCD 3D 2024	2,4	14	43	...1005	...1085	12.14 ...	SCD 3D 2064	6,4	31	70	...1045	...1125
12.14 ...	SCD 3D 2025	2,5	14	43	...1006	...1086	12.14 ...	SCD 3D 2065	6,5	31	70	...1046	...1126
12.14 ...	SCD 3D 2026	2,6	14	43	...1007	...1087	12.14 ...	SCD 3D 2068	6,8	34	74	...1047	...1127
12.14 ...	SCD 3D 2027	2,7	16	46	...1008	...1088	12.14 ...	SCD 3D 2070	7,0	34	74	...1048	...1128
12.14 ...	SCD 3D 2028	2,8	16	46	...1009	...1089	12.14 ...	SCD 3D 2075	7,5	34	74	...1049	...1129
12.14 ...	SCD 3D 2029	2,9	16	46	...1010	...1090	12.14 ...	SCD 3D 2078	7,8	37	79	...1050	...1130
12.14 ...	SCD 3D 2030	3,0	16	46	...1011	...1091	12.14 ...	SCD 3D 2080	8,0	37	79	...1051	...1131
12.14 ...	SCD 3D 2031	3,1	18	49	...1012	...1092	12.14 ...	SCD 3D 2085	8,5	37	79	...1052	...1132
12.14 ...	SCD 3D 2032	3,2	18	49	...1013	...1093	12.14 ...	SCD 3D 2090	9,0	40	84	...1053	...1133
12.14 ...	SCD 3D 2033	3,3	18	49	...1014	...1094	12.14 ...	SCD 3D 2095	9,5	40	84	...1054	...1134
12.14 ...	SCD 3D 2034	3,4	20	52	...1015	...1095	12.14 ...	SCD 3D 2098	9,8	43	89	...1055	...1135
12.14 ...	SCD 3D 2035	3,5	20	52	...1016	...1096	12.14 ...	SCD 3D 2100	10,0	43	89	...1056	...1136
12.14 ...	SCD 3D 2036	3,6	20	52	...1017	...1097	12.14 ...	SCD 3D 2102	10,2	43	89	...1057	...1137
12.14 ...	SCD 3D 2037	3,7	20	52	...1018	...1098	12.14 ...	SCD 3D 2105	10,5	43	89	...1058	...1138
12.14 ...	SCD 3D 2038	3,8	22	55	...1019	...1099	12.14 ...	SCD 3D 2108	10,8	47	95	...1059	...1139
12.14 ...	SCD 3D 2039	3,9	22	55	...1020	...1100	12.14 ...	SCD 3D 2110	11,0	47	95	...1060	...1140
12.14 ...	SCD 3D 2040	4,0	22	55	...1021	...1101	12.14 ...	SCD 3D 2112	11,2	47	95	...1061	...1141
12.14 ...	SCD 3D 2041	4,1	22	55	...1022	...1102	12.14 ...	SCD 3D 2115	11,5	47	95	...1062	...1142
12.14 ...	SCD 3D 2042	4,2	22	55	...1023	...1103	12.14 ...	SCD 3D 2118	11,8	47	95	...1063	...1143
12.14 ...	SCD 3D 2043	4,3	24	58	...1024	...1104	12.14 ...	SCD 3D 2120	12,0	51	102	...1064	...1144
12.14 ...	SCD 3D 2044	4,4	24	58	...1025	...1105	12.14 ...	SCD 3D 2125	12,5	51	102	...1065	...1145
12.14 ...	SCD 3D 2045	4,5	24	58	...1026	...1106	12.14 ...	SCD 3D 2130	13,0	51	102	...1066	...1146
12.14 ...	SCD 3D 2046	4,6	24	58	...1027	...1107	12.14 ...	SCD 3D 2135	13,5	54	107	...1067	...1147
12.14 ...	SCD 3D 2047	4,7	24	58	...1028	...1108	12.14 ...	SCD 3D 2140	14,0	54	107	...1068	...1148
12.14 ...	SCD 3D 2048	4,8	26	62	...1029	...1109	12.14 ...	SCD 3D 2145	14,5	56	111	...1069	...1149
12.14 ...	SCD 3D 2049	4,9	26	62	...1030	...1110	12.14 ...	SCD 3D 2150	15,0	56	111	...1070	...1150
12.14 ...	SCD 3D 2050	5,0	26	62	...1031	...1111	12.14 ...	SCD 3D 2155	15,5	58	115	...1071	...1151
12.14 ...	SCD 3D 2051	5,1	26	62	...1032	...1112	12.14 ...	SCD 3D 2160	16,0	58	115	...1072	...1152
12.14 ...	SCD 3D 2052	5,2	26	62	...1033	...1113	12.14 ...	SCD 3D 2165	16,5	60	119	...1073	...1153
12.14 ...	SCD 3D 2053	5,3	26	66	...1034	...1114	12.14 ...	SCD 3D 2170	17,0	60	119	...1074	...1154
12.14 ...	SCD 3D 2054	5,4	28	66	...1035	...1115	12.14 ...	SCD 3D 2175	17,5	62	123	...1075	...1155
12.14 ...	SCD 3D 2055	5,5	28	66	...1036	...1116	12.14 ...	SCD 3D 2180	18,0	62	123	...1076	...1156
12.14 ...	SCD 3D 2056	5,6	28	66	...1037	...1117	12.14 ...	SCD 3D 2185	18,5	64	127	...1077	...1157
12.14 ...	SCD 3D 2057	5,7	28	66	...1038	...1118	12.14 ...	SCD 3D 2190	19,0	64	127	...1078	...1158
12.14 ...	SCD 3D 2058	5,8	28	66	...1039	...1119	12.14 ...	SCD 3D 2195	19,5	66	131	...1079	...1159
12.14 ...	SCD 3D 2059	5,9	28	66	...1040	...1120	12.14 ...	SCD 3D 2200	20,0	66	131	...1080	...1160

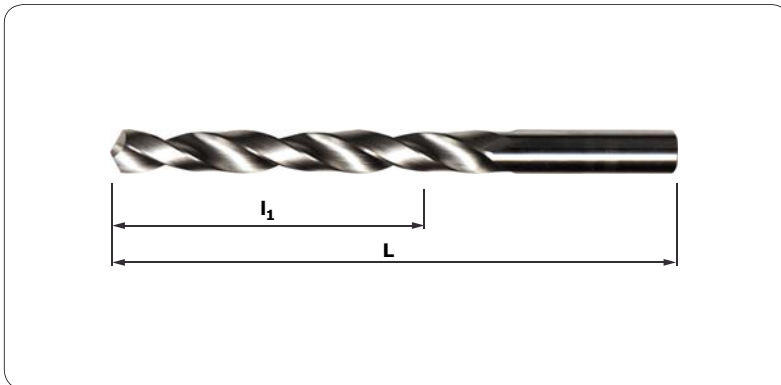
Ordering example :
5 pcs SCD 3D 2068 SC1000 (Item number 12.14.1047)



SCD 5D 2...
Solid carbide twisted drill
Cylindrical shank
Normal lengths to DIN338

SCD 5D 2...
Volhartmetall Spiralbohrer
Zylinderschaft
Normallängen nach DIN338

SCD 5D 2...
Forets en carbure monobloc
Queue cylindrique
Longueur normale selon DIN338



**GRP
B14**

**FAM
299**

**DIN
338**

**SC1000
K10**

**SC1045
K10
+TiAlN**

P1 P2 P3 P4 P5 P6 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	I ₁	L	SC1000	SC1045	Item Nr.	Designation	ød ₁	I ₁	L	SC1000	SC1045
12.14 ...	SCD 5D 2020	2,0	24	49	...1161	...1227	12.14 ...	SCD 5D 2053	5,3	52	86	...1194	...1260
12.14 ...	SCD 5D 2021	2,1	24	49	...1162	...1228	12.14 ...	SCD 5D 2054	5,4	57	93	...1195	...1261
12.14 ...	SCD 5D 2022	2,2	27	53	...1163	...1229	12.14 ...	SCD 5D 2055	5,5	57	93	...1196	...1262
12.14 ...	SCD 5D 2023	2,3	27	53	...1164	...1230	12.14 ...	SCD 5D 2056	5,6	57	93	...1197	...1263
12.14 ...	SCD 5D 2024	2,4	30	57	...1165	...1231	12.14 ...	SCD 5D 2057	5,7	57	93	...1198	...1264
12.14 ...	SCD 5D 2025	2,5	30	57	...1166	...1232	12.14 ...	SCD 5D 2058	5,8	57	93	...1199	...1265
12.14 ...	SCD 5D 2026	2,6	30	57	...1167	...1233	12.14 ...	SCD 5D 2059	5,9	57	93	...1200	...1266
12.14 ...	SCD 5D 2027	2,7	33	61	...1168	...1234	12.14 ...	SCD 5D 2060	6,0	57	93	...1201	...1267
12.14 ...	SCD 5D 2028	2,8	33	61	...1169	...1235	12.14 ...	SCD 5D 2061	6,1	63	101	...1202	...1268
12.14 ...	SCD 5D 2029	2,9	33	61	...1170	...1236	12.14 ...	SCD 5D 2062	6,2	63	101	...1203	...1269
12.14 ...	SCD 5D 2030	3,0	33	61	...1171	...1237	12.14 ...	SCD 5D 2063	6,3	63	101	...1204	...1270
12.14 ...	SCD 5D 2031	3,1	36	65	...1172	...1238	12.14 ...	SCD 5D 2064	6,4	63	101	...1205	...1271
12.14 ...	SCD 5D 2032	3,2	36	65	...1173	...1239	12.14 ...	SCD 5D 2065	6,5	63	101	...1206	...1272
12.14 ...	SCD 5D 2033	3,3	36	65	...1174	...1240	12.14 ...	SCD 5D 2068	6,8	69	109	...1207	...1273
12.14 ...	SCD 5D 2034	3,4	39	70	...1175	...1241	12.14 ...	SCD 5D 2070	7,0	69	109	...1208	...1274
12.14 ...	SCD 5D 2035	3,5	39	70	...1176	...1242	12.14 ...	SCD 5D 2075	7,5	69	109	...1209	...1275
12.14 ...	SCD 5D 2036	3,6	39	70	...1177	...1243	12.14 ...	SCD 5D 2080	8,0	75	117	...1210	...1276
12.14 ...	SCD 5D 2037	3,7	39	70	...1178	...1244	12.14 ...	SCD 5D 2085	8,5	75	117	...1211	...1277
12.14 ...	SCD 5D 2038	3,8	43	75	...1179	...1245	12.14 ...	SCD 5D 2090	9,0	81	125	...1212	...1278
12.14 ...	SCD 5D 2039	3,9	43	75	...1180	...1246	12.14 ...	SCD 5D 2095	9,5	81	125	...1213	...1279
12.14 ...	SCD 5D 2040	4,0	43	75	...1181	...1247	12.14 ...	SCD 5D 2100	10,0	87	133	...1214	...1280
12.14 ...	SCD 5D 2041	4,1	43	75	...1182	...1248	12.14 ...	SCD 5D 2105	10,5	87	133	...1215	...1281
12.14 ...	SCD 5D 2042	4,2	43	75	...1183	...1249	12.14 ...	SCD 5D 2110	11,0	94	142	...1216	...1282
12.14 ...	SCD 5D 2043	4,3	47	80	...1184	...1250	12.14 ...	SCD 5D 2115	11,5	94	142	...1217	...1283
12.14 ...	SCD 5D 2044	4,4	47	80	...1185	...1251	12.14 ...	SCD 5D 2120	12,0	101	151	...1218	...1284
12.14 ...	SCD 5D 2045	4,5	47	80	...1186	...1252	12.14 ...	SCD 5D 2125	12,5	101	151	...1219	...1285
12.14 ...	SCD 5D 2046	4,6	47	80	...1187	...1253	12.14 ...	SCD 5D 2130	13,0	101	151	...1220	...1286
12.14 ...	SCD 5D 2047	4,7	47	80	...1188	...1254	12.14 ...	SCD 5D 2135	13,5	108	160	...1221	...1287
12.14 ...	SCD 5D 2048	4,8	52	86	...1189	...1255	12.14 ...	SCD 5D 2140	14,0	108	160	...1222	...1288
12.14 ...	SCD 5D 2049	4,9	52	86	...1190	...1256	12.14 ...	SCD 5D 2145	14,5	114	169	...1223	...1289
12.14 ...	SCD 5D 2050	5,0	52	86	...1191	...1257	12.14 ...	SCD 5D 2150	15,0	114	169	...1224	...1290
12.14 ...	SCD 5D 2051	5,1	52	86	...1192	...1258	12.14 ...	SCD 5D 2155	15,5	120	178	...1225	...1291
12.14 ...	SCD 5D 2052	5,2	52	86	...1193	...1259	12.14 ...	SCD 5D 2160	16,0	120	178	...1226	...1292

Ordering example :
5 pcs SCD 5D 2068 SC1000 (Item number 12.14.1207)

SCD 3D 3...

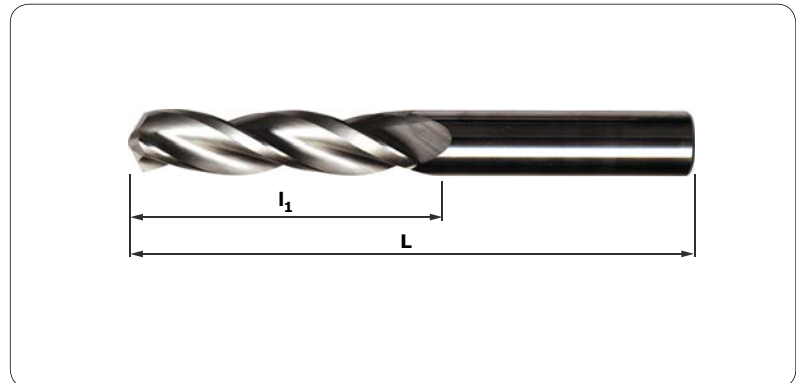
Solid carbide twisted drill
Three flutes, cylindrical shank
Short lengths to DIN1897

SCD 3D 3...

Vollhartmetall Spiralbohrer
3 Schneiden, Zylinderschaft
Kurz nach DIN1897

SCD 3D 3...

Forets en carbure monobloc
3 Dents, queue cylindrique
Longueur courte selon DIN1897

**GRP
B14****FAM
301****DIN****1897****SC1000****K10****SC1045****K10
+TiAlN**

P1 P2 P3 P4 P5 P6 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	$\varnothing d_1$	l_1	L	SC1000	SC1045	Item Nr.	Designation	$\varnothing d_1$	l_1	L	SC1000	SC1045
12.14 ...	SCD 3D 3030	3,0	16	46	...1293	...1327	12.14 ...	SCD 3D 3102	10,2	43	89	...1317	...1364
12.14 ...	SCD 3D 3032	3,2	18	49	...1294	...1328	12.14 ...	SCD 3D 3105	10,5	43	89	...1318	...1365
12.14 ...	SCD 3D 3035	3,5	20	52	...1295	...1329	12.14 ...	SCD 3D 3108	10,8	47	95	...1319	...1366
12.14 ...	SCD 3D 3038	3,8	22	55	...1296	...1330	12.14 ...	SCD 3D 3110	11,0	47	95	...1320	...1367
12.14 ...	SCD 3D 3040	4,0	22	55	...1297	...1331	12.14 ...	SCD 3D 3115	11,5	47	95	...1321	...1368
12.14 ...	SCD 3D 3042	4,2	22	55	...1298	...1332	12.14 ...	SCD 3D 3118	11,8	47	95	...1322	...1369
12.14 ...	SCD 3D 3045	4,5	24	58	...1299	...1333	12.14 ...	SCD 3D 3120	12,0	51	102	...1323	...1370
12.14 ...	SCD 3D 3048	4,8	26	62	...1300	...1334	12.14 ...	SCD 3D 3125	12,5	51	102	...1324	...1371
12.14 ...	SCD 3D 3050	5,0	26	62	...1301	...1335	12.14 ...	SCD 3D 3130	13,0	51	102	...1325	...1372
12.14 ...	SCD 3D 3052	5,2	26	62	...1302	...1336	12.14 ...	SCD 3D 3135	13,5	54	107	...1326	...1373
12.14 ...	SCD 3D 3055	5,5	28	66	...1303	...1337	12.14 ...	SCD 3D 3140	14,0	54	107	...1327	...1374
12.14 ...	SCD 3D 3058	5,8	28	66	...1304	...1338	12.14 ...	SCD 3D 3145	14,5	56	111	...1328	...1375
12.14 ...	SCD 3D 3060	6,0	28	66	...1305	...1339	12.14 ...	SCD 3D 3150	15,0	56	111	...1329	...1376
12.14 ...	SCD 3D 3065	6,5	31	70	...1306	...1340	12.14 ...	SCD 3D 3155	15,5	58	115	...1330	...1377
12.14 ...	SCD 3D 3068	6,8	34	74	...1307	...1341	12.14 ...	SCD 3D 3160	16,0	58	115	...1331	...1378
12.14 ...	SCD 3D 3070	7,0	34	74	...1308	...1342	12.14 ...	SCD 3D 3165	16,5	60	119	...1332	...1379
12.14 ...	SCD 3D 3075	7,5	34	74	...1309	...1343	12.14 ...	SCD 3D 3170	17,0	60	119	...1333	...1380
12.14 ...	SCD 3D 3078	7,8	37	79	...1310	...1344	12.14 ...	SCD 3D 3175	17,5	62	123	...1334	...1381
12.14 ...	SCD 3D 3080	8,0	37	79	...1311	...1345	12.14 ...	SCD 3D 3180	18,0	62	123	...1335	...1382
12.14 ...	SCD 3D 3085	8,5	37	79	...1312	...1346	12.14 ...	SCD 3D 3185	18,5	64	127	...1336	...1383
12.14 ...	SCD 3D 3090	9,0	40	84	...1313	...1347	12.14 ...	SCD 3D 3190	19,0	64	127	...1337	...1384
12.14 ...	SCD 3D 3095	9,5	40	84	...1314	...1348	12.14 ...	SCD 3D 3195	19,5	66	131	...1338	...1385
12.14 ...	SCD 3D 3098	9,8	43	89	...1315	...1349	12.14 ...	SCD 3D 3200	20,0	66	131	...1339	...1386
12.14 ...	SCD 3D 3100	10,0	43	89	...1316	...1350							

Ordering example :

5 pcs SCD 3D 3068 SC1000 (Item number 12.14.1354)

CDRN 90 ... SC
Solid carbide center drills, 90°

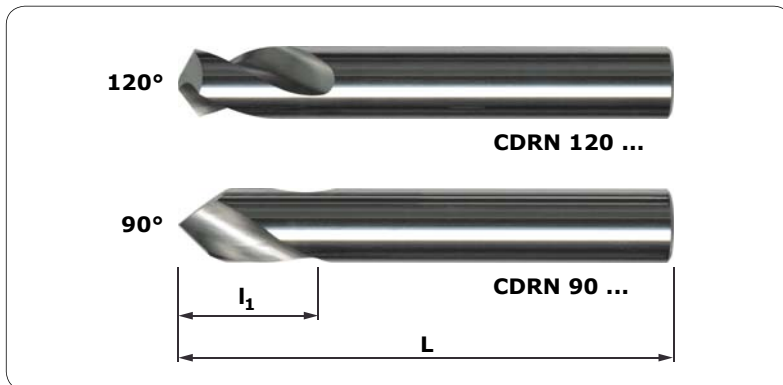
CDRN 120 ... SC
Solid carbide center drills, 120°

CDRN 90 ... SC
Vollhartmetall NC-Anbohrer, 90°

CDRN 120 ... SC
Vollhartmetall NC-Anbohrer,
120°

CDRN 90 ... SC
Forets à pointer en carbure
monobloc, 90°

CDRN 120 ... SC
Forets à pointer en carbure
monobloc, 120°



GRP
B14

FAM
302

SC1000
K10

P1 P2 P3 P4 P5 P6 M1 M2 K1 K2 N1 N2 N4 N5

Item Nr.	Designation	ød ₁	ød ₂	L	D	
	90°					
12.14.1387	CDRN 90 0300 SC1000	3,00	10,0	40,0	3,00	
12.14.1388	CDRN 90 0400 SC1000	4,00	12,0	40,0	4,00	
12.14.1389	CDRN 90 0500 SC1000	5,00	15,0	50,0	5,00	
12.14.1390	CDRN 90 0600 SC1000	6,00	20,0	50,0	6,00	
12.14.1391	CDRN 90 0800 SC1000	8,00	22,0	63,0	8,00	
12.14.1392	CDRN 90 1000 SC1000	10,00	23,0	72,0	10,00	
12.14.1393	CDRN 90 1200 SC1000	12,00	25,0	83,0	12,00	
12.14.1394	CDRN 90 1400 SC1000	14,00	26,0	83,0	14,00	
12.14.1395	CDRN 90 1600 SC1000	16,00	28,0	92,0	16,00	
12.14.1396	CDRN 90 2000 SC1000	20,00	30,0	104,0	20,00	
	120°					
12.14.1397	CDRN 120 0300 SC1000	3,00	10,0	40,0	3,00	
12.14.1398	CDRN 120 0400 SC1000	4,00	12,0	40,0	4,00	
12.14.1399	CDRN 120 0500 SC1000	5,00	15,0	50,0	5,00	
12.14.1400	CDRN 120 0600 SC1000	6,00	20,0	50,0	6,00	
12.14.1401	CDRN 120 0800 SC1000	8,00	22,0	63,0	8,00	
12.14.1402	CDRN 120 1000 SC1000	10,00	23,0	72,0	10,00	
12.14.1403	CDRN 120 1200 SC1000	12,00	25,0	83,0	12,00	
12.14.1404	CDRN 120 1400 SC1000	14,00	26,0	83,0	14,00	
12.14.1405	CDRN 120 1600 SC1000	16,00	28,0	92,0	16,00	
12.14.1406	CDRN 120 2000 SC1000	20,00	30,0	104,0	20,00	

Ordering example :

5 pcs CDRN 120 0600 SC1000 (Item number 12.14.1400)