

Twist drills straight shank Werkö Germany

Drill bits Werkö Precise HSS-R DIN 338N GOLD-LINE

HSS jobber drill with cylindrical shank DIN 338 type N, drill head angle 118°

The drills are of the correctional two flute design with helix angles, flute and pointshapes selected for general purpose applications.

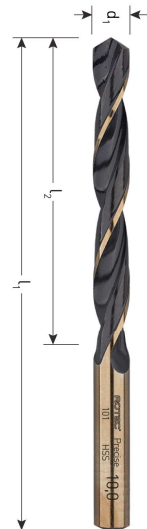
Special designed strong core. **Life time much longer than standard HSS drill bits and fast and precise drilling.**

Application: General-purpose drill, to drill steels with tensile strength up to 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Material groups: 1.1 - 1.4 / 3.1 - 3.3 **Packed per 10 pcs sizes up to 10mm, up to 13.0mm 5 pcs, >13.0 mm 1 pc.**



Article No.	d1 mm	L2 mm	L 1 mm	IMPA
350100	0.3	3	19	63 01 01
350101	0.4	5	20	63 01 02
350102	0.5	6	22	63 01 03
350103	0.6	7	24	63 01 04
350104	0.7	9	28	63 01 05
350105	0.8	10	30	63 01 06
350106	0.9	11	32	63 01 07
350107	1.0	12	34	63 01 08
350108	1.1	14	36	63 01 09
350109	1.2	16	38	63 01 10
350111	1.3	16	38	63 01 11
350112	1.4	18	40	63 01 12
350113	1.5	18	40	63 01 13
350114	1.6	20	43	63 01 14
350115	1.7	20	43	63 01 15
350117	1.8	22	46	63 01 16
350118	1.9	22	46	63 01 17
350119	2.0	24	49	63 01 18
350120	2.1	24	49	63 01 19
350121	2.2	27	53	63 01 20
350123	2.3	27	53	63 01 21
350124	2.4	30	57	63 01 22
350125	2.5	30	57	63 01 23
350126	2.6	30	57	63 01 24
350127	2.7	33	61	63 01 25
350129	2.8	33	61	63 01 26
350130	2.9	33	61	63 01 27
350131	3.0	33	61	63 01 28
350132	3.1	36	65	63 01 29
350133	3.2	36	65	63 01 30
350135	3.3	36	65	63 01 31
350136	3.4	39	70	63 01 32
350137	3.5	39	70	63 01 33
350138	3.6	39	70	63 01 34
350139	3.7	39	70	63 01 35
350141	3.8	43	75	63 01 36
350142	3.9	43	75	63 01 37
350143	4.0	43	75	63 01 38
350144	4.1	43	75	63 01 39
350145	4.2	43	75	63 01 40
350147	4.3	47	80	63 01 41
350148	4.4	47	80	63 01 42
350149	4.5	47	80	63 01 43
350150	4.6	47	80	63 01 44
350151	4.7	47	80	63 01 45
350153	4.8	52	86	63 01 46
350154	4.9	52	86	63 01 47
350155	5.0	52	86	63 01 48
350156	5.1	52	86	63 01 49
350157	5.2	52	86	63 01 50
350159	5.3	52	86	63 01 51
350160	5.4	57	93	63 01 52

Article No.	d1 mm	L2 mm	L1mm	IMPA
350161	5.5	57	93	63 01 53
350162	5.6	57	93	63 01 54
350163	5.7	57	93	63 01 55
350165	5.8	57	93	63 01 56
350166	5.9	57	93	63 01 57
350167	6.0	57	93	63 01 58
350168	6.1	63	101	63 01 59
350169	6.2	63	101	63 01 60
350171	6.3	63	101	63 01 61
350172	6.4	63	101	63 01 62
350173	6.5	63	101	63 01 63
350174	6.6	63	101	63 01 64
350175	6.7	63	101	63 01 65
350177	6.8	69	109	63 01 66
350178	6.9	69	109	63 01 67
350179	7.0	69	109	63 01 68
350180	7.1	69	109	63 01 69
350181	7.2	69	109	63 01 70
350183	7.3	69	109	63 01 71
350184	7.4	69	109	63 01 72
350185	7.5	69	109	63 01 73
350186	7.6	75	117	63 01 74
350187	7.7	75	117	63 01 75
350189	7.8	75	117	63 01 76
350190	7.9	75	117	63 01 77
350191	8.0	75	117	63 01 78
350191	8.1	75	117	63 01 79
350193	8.2	75	117	63 01 80
350195	8.3	75	117	63 01 81
350196	8.4	75	117	63 01 82
350197	8.5	75	117	63 01 83
350198	8.6	81	125	63 01 84
350199	8.7	81	125	63 01 85
350201	8.8	81	125	63 01 86
350202	8.9	81	125	63 01 87
350203	9.0	81	125	63 01 88
350204	9.1	81	125	63 01 89
350205	9.2	81	125	63 01 90
350207	9.3	81	125	63 01 91
350208	9.4	81	125	63 01 92
350209	9.5	81	125	63 01 93
350210	9.6	87	133	63 01 94
350211	9.7	87	133	63 01 95
350213	9.8	87	133	63 01 96
350214	9.9	87	133	63 01 97
350215	10.0	87	133	63 01 98
350216	10.1	87	133	-
350217	10.2	87	133	-
350219	10.3	87	133	-
350220	10.4	87	133	-
350221	10.5	87	133	63 01 99
350222	10.6	87	133	-



Other dimensions next page.

Twist drills straight shank Werkö Germany

Drill bits Werkö Precise HSS-R DIN 338N GOLD-LINE

HSS jobber drill with cylindrical shank DIN 338 type N, drill head angle 118°

The drills are of the correctional two flute design with helix angles, flute and pointshapes selected for general purpose applications.

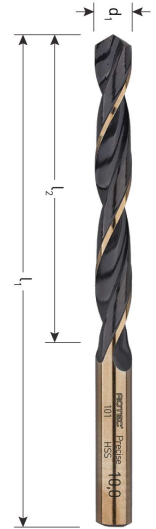
Special designed strong core. **Life time much longer than standard HSS drill bits and fast and precise drilling.**

Application: General-purpose drill, to drill steels with tensile strength up to 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Material groups: 1.1 - 1.4 / 3.1 - 3.3 **Packed per 10 pcs sizes up to 10mm, up to 13.0mm 5 pcs, >13.0 mm 1 pc.**



Article No.	d1 mm	L2 mm	L 1 mm	IMPA
350223	10.7	94	142	-
350225	10.8	94	142	-
350226	10.9	94	142	-
350227	11.0	94	142	63 02 01
350228	11.1	94	142	-
350229	11.2	94	142	-
350231	11.5	94	142	63 02 02
350232	11.7	94	142	-
350234	11.8	94	142	-
350235	11.9	101	151	-
350236	12.0	101	151	63 03 03
350237	12.1	101	151	-
350238	12.2	101	151	-
350240	12.5	101	151	63 02 04
350243	13.0	101	151	63 02 05

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
350245	13.5	108	160	-
350247	14.0	108	160	-
350249	14.5	114	169	-
350252	15.0	114	169	-
350254	15.5	120	178	-
350256	16.0	120	178	-
350258	16.5	125	184	-
350260	17.0	125	184	-
350262	17.5	130	191	-
350264	18.0	130	191	-
350266	18.5	135	198	-
350268	19.0	135	198	-
350270	19.5	140	205	-
350272	20.0	140	205	-



Drill bit SETS Werkö Precise HSS R DIN 338N GOLD-LINE

Complete engineer sets in ABS folding case or in ABS carry box. High performance drill bits for universal applications.

Article No.	Description	IMPA
350275	Drill bit SET Werkö Precise HSS R DIN 338N GOLD-LINE 19 pcs ø1 - 10 / 0,5mm increm. / 1 pc each	63 02 54
350276	Drill bit SET Werkö Precise HSS R DIN 338N GOLD-LINE 25 pcs ø1 - 13 / 0,5mm increm. / 1 pc each	63 02 55
350277	Drill bit SET Werkö Precise HSS R DIN 338N GOLD-LINE 170 pcs ø1 - 8 / 0,5mm increm. / 10 pcs each ø8,5 - 10 / 0,5mm increm. / 5 pcs each	-



Drill bit SETS HSS DIN 338N SILVER-LINE

Complete engineer sets in ABS folding case or in ABS carry box. Economic budget type drill bits.

Article No.	Description	IMPA
350300	Drill bit SET HSS DIN 338N SILVER-LINE 19 pcs ø1 - 10 / 0,5mm increm. / 1 pc each	63 02 54
350301	Drill bit SET HSS DIN 338N SILVER-LINE 25 pcs ø1 - 13 / 0,5mm increm. / 1 pc each	63 02 55
350302	Drill bit SET HSS DIN 338N SILVER-LINE 50 pcs ø1 - 5,9 / 0,1mm increm. / 1 pc each	63 02 57
350303	Drill bit SET HSS DIN 338N SILVER-LINE 41 pcs ø6 - 10 / 0,1mm increm. / 1 pc each	63 02 56
350306	Drill bit SET HSS DIN 338N SILVER-LINE 170 pcs ø1 - 8 / 0,5mm increm. / 10 pcs each ø8,5 - 10 / 0,5mm increm. / 5 pcs each	-



Drill bits TCT CARBIDE TIPPED DIN 338N

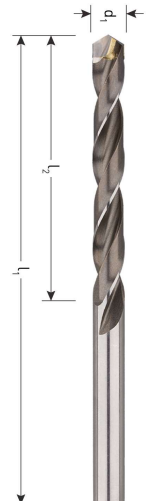
HSS jobber drill with cylindrical shank DIN 338N, TCT Carbide Tipped drill head angle 118°.

Application: Very suitable for drilling operations in high-tensile (tool) steels <1.400 N/mm² such as spring steel, hardened steels < 55HRC etc. For enlarging existing holes or to drill out remains from broken taps or bolts. Material groups: 1.2 - 1.6 / 3.1 - 3.3 / 4.5 - 4.9 / 6.1 - 6.2

Packed per 1 pcs

Article No.	d1 mm	L2 mm	L 1 mm
383020	2.0	15	44
383030	3.0	20	50
383035	3.5	20	50
383040	4.0	25	56
383045	4.5	25	56
383050	5.0	28	63
383055	5.5	28	63

Article No.	d1 mm	L2 mm	L 1 mm
383060	6.0	32	71
383065	6.5	32	71
383070	7.0	40	80
383080	8.0	40	80
383090	9.0	50	90
383100	10.0	56	100



Other dimensions on request available.

Twist drills straight shank HSS-G Gold Line Werkö Germany

Drill bits Werkö HSS-G DIN 338HD-S GOLD-LINE

HSS-G jobber drill with cylindrical shank DIN 338 type HD-S reinforced core, drill head angle 130°.

Ground execution, bright surface, splitpoint according to DIN 1412-C.

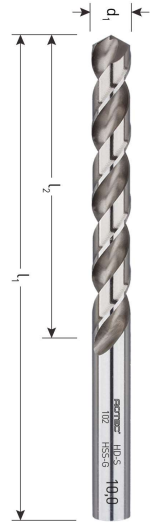
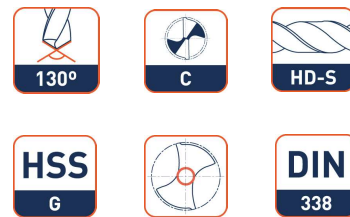
Application; universal drilling but also very suitable for use in CNC-machines, for all kind of steel types, such as steel < 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel silver, graphite, etc. Material groups: 1.1 - 1.4 / 3.1 - 3.3 / 4.2 - 4.12.

Packed per 10 pcs size 0.3-8.0, 5 pcs sizes 8.1-10.0 and 1 pc > 10.0 mm.



Article No.	d1 mm	L2 mm	L 1 mm	Article No.	d1 mm	L2 mm	L 1 mm
380200	1.0	12	34	380261	6.1	63	101
380201	1.1	14	36	380262	6.2	63	101
380202	1.2	16	38	380264	6.3	63	101
380204	1.3	16	38	380265	6.4	63	101
380205	1.4	18	40	380266	6.5	63	101
380206	1.5	18	40	380267	6.6	63	101
380207	1.6	20	43	380270	6.8	69	109
380208	1.7	20	43	380271	6.9	69	109
380210	1.8	22	46	380272	7.0	69	109
380211	1.9	22	46	380273	7.1	69	109
380212	2.0	24	49	380274	7.2	69	109
380213	2.1	24	49	380276	7.3	69	109
380214	2.2	27	53	380277	7.4	69	109
380216	2.3	27	53	380278	7.5	69	109
380217	2.4	30	57	380279	7.6	75	117
380218	2.5	30	57	380280	7.7	75	117
380219	2.6	30	57	380282	7.8	75	117
380220	2.7	33	61	380283	7.9	75	117
380222	2.8	33	61	380284	8.0	75	117
380223	2.9	33	61	380285	8.1	75	117
380224	3.0	33	61	380286	8.2	75	117
380225	3.1	36	65	380288	8.3	75	117
380226	3.2	36	65	380289	8.4	75	117
380228	3.3	36	65	380290	8.5	75	117
380229	3.4	39	70	380291	8.6	81	125
380230	3.5	39	70	380292	8.7	81	125
380231	3.6	39	70	380294	8.8	81	125
380232	3.7	39	70	380295	8.9	81	125
380234	3.8	43	75	380296	9.0	81	125
380235	3.9	43	75	380297	9.1	81	125
380236	4.0	43	75	380298	9.2	81	125
380237	4.1	43	75	380300	9.3	81	125
380238	4.2	43	75	380301	9.4	81	125
380240	4.3	47	80	380302	9.5	81	125
380241	4.4	47	80	380303	9.6	87	133
380242	4.5	47	80	380304	9.7	87	133
380243	4.6	47	80	380306	9.8	87	133
380244	4.7	47	80	380307	9.9	87	133
380246	4.8	52	86	380308	10.0	87	133
380247	4.9	52	86	380310	10.2	87	133
380248	5.0	52	86	380314	10.5	87	133
380249	5.1	52	86	380320	11.0	94	142
380250	5.2	52	86	380325	11.5	94	142
380252	5.3	52	86	380331	12.0	101	151
380253	5.4	57	93	380337	12.5	101	151
380254	5.5	57	93	380343	13.0	101	151
380255	5.6	57	93	380349	13.5	108	160
380256	5.7	57	93	380355	14.0	108	160
380258	5.8	57	93	380361	14.5	114	169
380259	5.9	57	93	380366	15.0	114	169
380260	6.0	57	93	380372	15.5	120	178

Article No.	d1 mm	L2 mm	L 1 mm
380378	16.0	120	178
380384	16.5	125	184
380390	17.0	125	184
380396	17.5	130	191
380402	18.0	130	191
380408	18.5	135	198
380414	19.0	135	198
380420	19.5	140	205
380426	20.0	140	205



Drill bit SETS HSS-G DIN 338HD-S GOLD-LINE

Complete engineer sets in ABS folding case or in ABS carry box. High performance drill bits.

Article No.	Description	IMPA
380430	Drill bit SET HSS-G DIN 338HD-S GOLD-LINE 19 pcs ø1 - 10 / 0,5mm increm. / 1 pc each	63 02 54
380431	Drill bit SET HSS-G DIN 338HD-S GOLD-LINE 25 pcs ø1 - 13 / 0,5mm increm. / 1 pc each	63 02 55
380432	Drill bit SET HSS-G DIN 338HD-S GOLD-LINE 50 pcs ø1 - 5,9 / 0,1mm increm. / 1 pc each	63 02 57
380433	Drill bit SET HSS-G DIN 338HD-S GOLD-LINE 41 pcs ø6 - 10 / 0,1mm increm. / 1 pc each	63 02 56
380434	Drill bit SET HSS-G DIN 338HD-S GOLD-LINE 170 pcs ø1 - 8 / 0,5mm increm. / 10 pcs each ø8,5 - 10 / 0,5mm increm. / 5 pcs each	-



Twist drills straight shank HSS-Co Gold Line Werkö Germany

Drill bits Werkö HSS-Co5 DIN 338HD-S GOLD-LINE Cobalt

HSS-Co5 jobber drill with cylindrical shank DIN 338 type HD-S reinforced core, drill head angle 130°.

Ground execution, bright surface, splitpoint according to DIN 1412-C. High precision and long tool life.

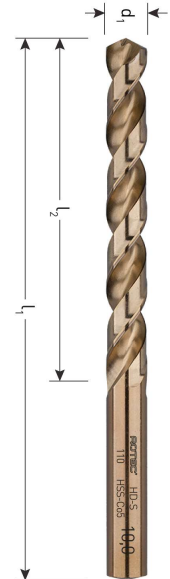
Application; For drilling of difficult to cut materials such as austenitic stainless steel, spring steel, CrNi-steel, Mn-steel, titanium (alloys) and other short chipping steels with tensile strength <1.000 N/mm². Material groups: 1.1 - 1.4 / 2.1 - 2.2 / 3.1 - 3.3 / 4.1 - 4.11 / 5.3 - 5.4.

Packed per 10 pcs size 0.3-8.0, 5 pcs sizes 8.1-10.0 and 1 pc > 10.0 mm.



Article No.	d1 mm	L2 mm	L 1 mm	IMPA
380101	1.0	12	34	63 02 06
380102	1.1	14	36	-
380103	1.2	16	38	-
380104	1.3	16	38	-
380105	1.4	18	40	-
380106	1.5	18	40	63 02 07
380107	1.6	20	43	-
380108	1.7	20	43	-
380109	1.8	22	46	-
380110	1.9	22	46	-
380111	2.0	24	49	63 02 08
380112	2.1	24	49	-
380113	2.2	27	53	-
380114	2.3	27	53	-
380115	2.4	30	57	-
380116	2.5	30	57	63 02 09
380117	2.6	30	57	-
380118	2.7	33	61	-
380119	2.8	33	61	-
380120	2.9	33	61	-
380121	3.0	33	61	63 02 10
380122	3.1	36	65	-
380123	3.2	36	65	-
380124	3.3	36	65	-
380125	3.4	39	70	-
380126	3.5	39	70	63 02 11
380127	3.6	39	70	-
380128	3.7	39	70	-
380129	3.8	43	75	-
380130	3.9	43	75	-
380131	4.0	43	75	63 02 12
380132	4.1	43	75	-
380133	4.2	43	75	-
380134	4.3	47	80	-
380135	4.4	47	80	-
380136	4.5	47	80	63 02 13
380137	4.6	47	80	-
380138	4.7	47	80	-
380139	4.8	52	86	-
380140	4.9	52	86	-
380141	5.0	52	86	63 02 14
380142	5.1	52	86	-
380143	5.2	52	86	-
380144	5.3	52	86	-
380145	5.4	57	93	-
380146	5.5	57	93	63 02 15
380147	5.6	57	93	-
380148	5.7	57	93	-
380149	5.8	57	93	-
380150	5.9	57	93	-
380151	6.0	57	93	63 02 16

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
380152	6.1	63	101	-
380153	6.2	63	101	-
380154	6.3	63	101	-
380155	6.4	63	101	-
380156	6.5	63	101	63 02 17
380157	6.6	63	101	-
380158	6.7	69	109	-
380159	6.8	69	109	-
380160	6.9	69	109	-
380161	7.0	69	109	63 02 18
380162	7.1	69	109	-
380163	7.2	69	109	-
380164	7.3	69	109	-
380165	7.4	69	109	-
380166	7.5	69	109	63 02 19
380167	7.6	75	117	-
380168	7.7	75	117	-
380169	7.8	75	117	-
380170	7.9	75	117	-
380171	8.0	75	117	63 02 20
380172	8.5	75	117	63 02 21
380173	9.0	81	125	63 02 22
380174	9.5	81	125	63 02 23
380175	10.0	87	133	63 02 24
380176	10.2	87	133	-
380177	10.5	87	133	63 02 25
380178	11.0	94	142	63 02 26
380179	11.5	94	142	63 02 27
380180	12.0	101	151	63 02 28
380181	12.5	101	151	63 02 29
380182	13.0	101	151	63 02 30
380183	14.0	108	160	-
380184	15.0	114	169	-
380185	16.0	120	178	-



Drill bit SETS HSS-Co5 DIN 338HD-S GOLD-LINE Cobalt

Complete engineer sets in ABS folding case or in ABS carry box. High performance drill bits.

Article No.	Description	IMPA
380186	Drill bit SET HSS-Co5 DIN 338HD-S GOLD-LINE 19 pcs ø1 - 10 / 0,5mm increm. / 1 pc each	63 02 54
380187	Drill bit SET HSS-Co5 DIN 338HD-S GOLD-LINE 25 pcs ø1 - 13 / 0,5mm increm. / 1 pc each	63 02 55
380188	Drill bit SET HSS-Co5 DIN 338HD-S SILVER-LINE 170 pcs ø1 - 8 / 0,5mm increm. / 10 pcs each ø8,5 - 10 / 0,5mm increm. / 5 pcs each	-
380189	Drill bit SET HSS-Co5 DIN 338HD-S SILVER-LINE 202 pcs (metal case) ø1 - 8 / 0,5mm increm. / 10 pcs each + ø3.3 & 4,2 10 pcs each ø8,5 - 10 / 0,5mm increm. / 5 pcs each ø10,5 - 13 / 0,5mm increm. / 2 pcs each	-



Many other drill types and dimensions available.

See for examples our website:

<https://www.repairmanagement.nl/products/cutting-tools/>

Twist drills Morse Taper HSS Silver Line Werkö Germany

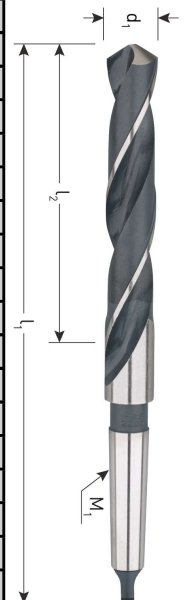
Morse Taper shank Drill bits Werkö HSS DIN 345 SILVER-LINE

HSS Morse Taper shank twist drill DIN 345 type HSS-N short milled & ground flutes, point with thinned web DIN 1412-A and point angle 118°. Type N-spiral. Taper connection according to DIN 228B.

Application; General-purpose use on most common materials such as steel and cast iron. Material groups: 1.1 - 1.4 / 3.1 - 3.3 / 4.11 - 4.12.

Packed per 1 piece

Article No.	d1 mm	L2 mm	L 1 mm	M1	IMPA	Article No.	d1 mm	L2 mm	L 1 mm	M1	IMPA
350360	10.0	87	168	MT1	63 03 01	350414	37.0	195	344	MT4	63 03 50
350361	10.5	87	168	MT1	63 03 02	350415	37.5	195	344	MT4	-
350362	11.0	94	175	MT1	63 03 03	350416	38.0	200	349	MT4	63 03 51
350363	11.5	94	175	MT1	63 03 04	350417	38.5	200	349	MT4	-
350364	12.0	101	182	MT1	63 03 05	350418	39.0	200	349	MT4	63 03 52
350365	12.5	101	182	MT1	63 03 06	350419	39.5	200	349	MT4	-
350366	13.0	101	182	MT1	63 03 07	350420	40.0	200	349	MT4	63 03 53
350367	13.5	108	189	MT1	63 03 08	350421	40.5	205	354	MT4	-
350368	14.0	108	189	MT1	63 03 09	350422	41.0	205	354	MT4	63 03 54
350369	14.5	114	212	MT2	63 03 10	350423	41.5	205	354	MT4	-
350370	15.0	114	212	MT2	63 03 11	350424	42.0	205	354	MT4	63 03 55
350371	15.5	120	218	MT2	63 03 12	350425	42.5	205	354	MT4	-
350372	16.0	120	218	MT2	63 03 13	350426	43.0	210	359	MT4	63 03 56
350373	16.5	125	223	MT2	63 03 14	350427	43.5	210	359	MT4	-
350374	17.0	125	223	MT2	63 03 15	350428	44.0	210	359	MT4	63 03 57
350375	17.5	130	228	MT2	63 03 16	350429	44.5	210	359	MT4	-
350376	18.0	130	228	MT2	63 03 17	350430	45.0	215	364	MT4	63 03 58
350377	18.5	135	233	MT2	63 03 18	350431	45.5	215	364	MT4	-
350378	19.0	135	233	MT2	63 03 19	350432	46.0	215	364	MT4	63 03 59
350379	19.5	140	238	MT2	63 03 20	350433	46.5	215	364	MT4	-
350380	20.0	140	238	MT2	63 03 21	350434	47.0	215	364	MT4	63 03 60
350381	20.5	145	243	MT2	63 03 22	350435	47.5	215	364	MT4	-
350382	21.0	145	243	MT2	63 03 23	350436	48.0	220	369	MT4	63 03 61
350383	21.5	150	248	MT2	63 03 24	350437	48.5	220	369	MT4	-
350384	22.0	150	248	MT2	63 03 25	350438	49.0	220	369	MT4	63 03 62
350385	22.5	155	253	MT2	63 03 26	350439	49.5	220	369	MT4	-
350386	23.0	155	253	MT2	63 03 27	350440	50.0	220	369	MT4	63 03 63
350387	23.5	155	276	MT3	63 03 28	350441	51.0	225	412	MT5	63 03 64
350388	24.0	160	281	MT3	63 03 29	350442	52.0	225	412	MT5	63 03 65
350389	24.5	160	281	MT3	63 03 30	350443	53.0	225	412	MT5	63 03 66
350390	25.0	160	281	MT3	63 03 31	350444	54.0	230	417	MT5	63 03 67
350391	25.5	165	286	MT3	63 03 32	350445	55.0	230	417	MT5	63 03 68
350392	26.0	165	286	MT3	63 03 33	350446	56.0	230	417	MT5	63 03 69
350393	26.5	165	286	MT3	63 03 34	350447	57.0	230	417	MT5	63 03 70
350394	27.0	170	291	MT3	63 03 35	350448	58.0	235	422	MT5	63 03 71
350395	27.5	170	291	MT3	63 03 36	350449	59.0	235	422	MT5	63 03 72
350396	28.0	170	291	MT3	63 03 37	350450	60.0	235	422	MT5	63 03 73
350397	28.5	175	296	MT3	63 03 38	350451	61.0	240	427	MT5	63 03 74
350398	29.0	175	296	MT3	63 03 39	350452	62.0	240	427	MT5	63 03 75
350399	29.5	175	296	MT3	63 03 40	350453	63.0	240	427	MT5	63 03 76
350400	30.0	175	296	MT3	63 03 41	350454	64.0	245	432	MT5	63 03 77
350401	30.5	180	301	MT3	63 03 42	350455	65.0	245	432	MT5	63 03 78
350402	31.0	180	301	MT3	63 03 43	350456	66.0	250	437	MT5	63 03 79
350403	31.5	180	301	MT4	63 03 44	350457	67.0	250	437	MT5	63 03 80
350404	32.0	185	334	MT4	63 03 45	350458	68.0	250	437	MT5	63 03 81
350405	32.5	185	334	MT4	-	350459	69.0	250	437	MT5	63 03 82
350406	33.0	185	334	MT4	63 03 46	350460	70.0	250	437	MT5	63 03 83
350407	33.5	185	334	MT4	-	350461	71.0	255	442	MT5	63 03 84
350408	34.0	190	339	MT4	63 03 47	350462	72.0	255	442	MT5	63 03 85
350409	34.5	190	339	MT4	-	350463	73.0	255	442	MT5	63 03 86
350410	35.0	190	339	MT4	63 03 48	350464	74.0	255	442	MT5	63 03 87
350411	35.5	190	339	MT4	-	350465	75.0	255	442	MT5	63 03 88
350412	36.0	195	344	MT4	63 03 49	350466	76.0	255	442	MT5	63 03 89
350413	36.5	195	344	MT4	-	350467	77.0	260	514	MT5	-



Twist drills and Centre drills

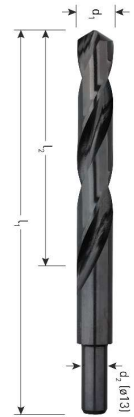
Reduced shank Drill bits HSS-R DIN 338 SILVER-LINE

Reduced shank twist drill DIN 338 type HSS-R Jobber drill bit, DIN 338, roll forged, point angle 118°, type N-spiral, steam tempered, shank reduced to $\phi 13\text{mm}$.

Application; General-purpose drill bit, to drill steels with tensile strength up to 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Material groups: 1.1 - 1.4 / 3.1 - 3.3.

Packed per 1 piece

Article No.	d1 mm	L2 mm	L 1 mm	d2 mm	Article No.	d1 mm	L2 mm	L 1 mm	d2 mm
353040	13.5	108	160	13.0	353050	18.5	135	200	13.0
353041	14.0	108	160	13.0	353051	19.0	135	200	13.0
353042	14.5	114	169	13.0	353052	19.5	140	205	13.0
353043	15.0	114	169	13.0	353053	20.0	140	205	13.0
353044	15.5	120	178	13.0	353054	21.0	145	215	13.0
353045	16.0	120	178	13.0	353055	22.0	145	215	13.0
353046	16.5	125	185	13.0	353056	23.0	150	220	13.0
353047	17.0	125	185	13.0	353057	24.0	150	245	13.0
353048	17.5	130	195	13.0	353058	25.0	160	245	13.0
353049	18.0	130	195	13.0	353059	26.0	160	245	13.0



Reduced shank Drill bits HSS-R DIN 338 SILVER-LINE

Reduced shank twist drill DIN 338 type HSS-R Jobber drill bit, DIN 338, roll forged, point angle 118°, type N-spiral, steam tempered, shank reduced to $\phi 10\text{mm}$.

Application; General-purpose drill bit, to drill steels with tensile strength up to 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Material groups: 1.1 - 1.4 / 3.1 - 3.3.

Packed per 1 piece

Article No.	d1 mm	L2 mm	L 1 mm	d2 mm	Article No.	d1 mm	L2 mm	L 1 mm	d2 mm
353001	10.5	87	133	10.0	353011	15.5	120	178	10.0
353002	11.0	94	142	10.0	353012	16.0	120	178	10.0
353003	11.5	94	142	10.0	353013	16.5	125	185	10.0
353004	12.0	101	151	10.0	353014	17.0	125	185	10.0
353005	12.5	101	151	10.0	353015	17.5	130	195	10.0
353006	13.0	101	151	10.0	353016	18.0	130	195	10.0
353007	13.5	108	160	10.0	353017	18.5	135	200	10.0
353008	14.0	108	160	10.0	353018	19.0	135	200	10.0
353009	14.5	114	169	10.0	353019	19.5	140	205	10.0
353010	15.0	114	169	10.0	353020	20.0	140	205	10.0



Drill bits HSS-G DIN 338-H BRASS

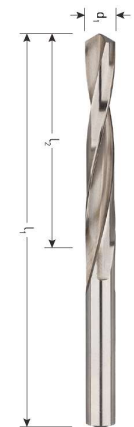
HSS-G Jobber drill bit, DIN 338, ground flute, point angle 118°, type H-spiral.

Application; For drilling of most short-chipping hard materials such as cast-iron, brass, bronze, zinc, hard plastics, etc.

Material groups: 4.6 - 4.9 - 4.12.

Packed per 10 pcs.

Article No.	d1 mm	L2 mm	L 1 mm	Article No.	d1 mm	L2 mm	L 1 mm
380800	1.0	12	34	380860	6.0	57	93
380805	1.5	18	40	380865	6.5	63	101
380810	2.0	24	49	380872	7.0	69	109
380818	2.5	30	57	380877	7.5	69	109
380824	3.0	33	61	380882	8.0	75	117
380830	3.5	39	70	380887	8.5	75	117
380835	4.0	43	75	380896	9.0	81	125
380841	4.5	47	80	380891	9.5	81	125
380846	5.0	52	86	380898	10.0	87	133
380854	5.5	57	93				

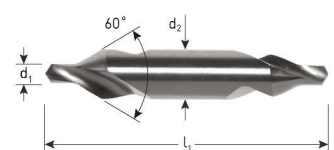


Centre Drill bits HSS-G DIN 333-A

HSS-G Centre drill bit, ground, 60° chamfer, according to DIN 333-A, right-hand cutting.

Packed per 1 piece.

Article No.	d1 mm	d2 mm	L 1 mm	IMPA	Article No.	d1 mm	d2 mm	L 1 mm	IMPA
360140	1.0	3.15	31.5	63 05 01	360145	3.15	8.0	50.0	63 05 05
360141	1.25	3.15	31.5	-	360146	4.0	10.0	56.0	63 05 06
360142	1.6	4.0	35.5	63 05 02	360147	5.0	12.5	63.0	-
360143	2.0	5.0	40.0	63 05 03	360148	6.3	16.0	71.0	63 05 07
360144	2.5	6.3	45.0	63 05 04	360149	8.0	20.0	80.0	-



Many other drill types and dimensions available.

See for examples our website:

<https://www.repairmanagement.nl/products/cutting-tools/>

Twist drills Long version HSS-G / HSS-Co

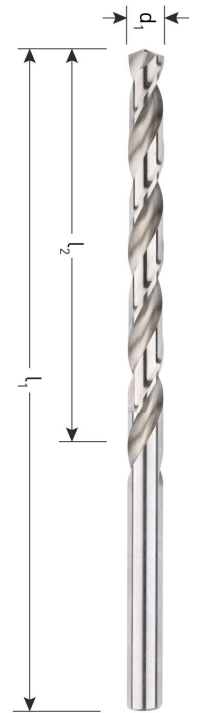
Drill bits Werkö HSS-G DIN 340-N SILVER-LINE

HSS-G Drill bit, DIN 340, ground flute, split-point (DIN 1412-C), point angle 135°, type N-spiral, bright finish.
 Application; General-purpose use, for drilling of most common materials such as steel and alloyed steel with tensile strength up to 1.000 N/mm², cast-iron, etc. Material groups: 1.1 - 1.4 / 2.1 - 2.2 / 3.1 / 4.1 - 4.11 / 5.3 - 5.4
Packed per 10 pcs size 1.0-10.0, 10 pcs sizes > 10.0 mm per 5 pcs.



Article No.	d1 mm	L2 mm	L 1 mm	IMPA
357010	1.0	33	56	63 04 01
357015	1.5	45	70	63 04 02
357020	2.0	56	85	63 04 03
357025	2.5	62	95	63 04 04
357027	2.7	66	100	
357028	2.8	66	100	
357030	3.0	66	100	63 04 05
357031	3.1	69	106	
357032	3.2	69	106	
357033	3.3	69	106	
357034	3.4	73	112	
357035	3.5	73	112	63 04 06
357036	3.6	73	112	
357037	3.7	73	112	
357038	3.8	78	119	
357039	3.9	78	119	
357040	4.0	78	119	63 04 07
357041	4.1	78	119	
357042	4.2	78	119	
357043	4.3	82	126	
357044	4.4	82	126	
357045	4.5	82	126	63 04 08
357046	4.6	82	126	
357047	4.7	82	126	
357048	4.8	87	132	
357049	4.9	87	132	
357050	5.0	87	132	63 04 09
357051	5.1	87	132	

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
357052	5.2	87	132	-
357055	5.5	91	139	63 04 10
357057	5.7	91	139	-
357058	5.8	91	139	-
357060	6.0	91	139	63 04 11
357062	6.2	97	148	-
357063	6.3	97	148	-
357064	6.4	97	148	-
357065	6.5	97	148	63 04 12
357068	6.8	102	156	-
357070	7.0	102	156	63 04 13
357075	7.5	102	156	63 04 14
357080	8.0	109	165	63 04 15
357085	8.5	109	165	63 04 16
357086	8.6	115	175	-
357087	8.7	115	175	-
357090	9.0	115	175	63 04 17
357095	9.5	115	175	63 04 18
357100	10.0	121	184	63 04 19
357102	10.2	121	184	-
357105	10.5	121	184	63 04 20
357110	11.0	128	195	63 04 21
357115	11.5	128	195	63 04 22
357120	12.0	134	205	63 04 24
357125	12.5	134	205	63 04 26
357130	13.0	134	205	63 04 28
357140	14.0	140	214	-



Drill bits Werkö HSS-Co DIN 340-N TLS-1000

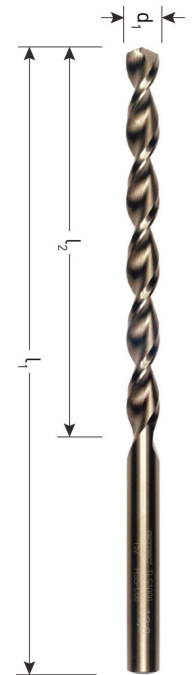
HSS-Co drill bit, DIN 340 long version, ground tip angle 135°, type TLS1000 split-point < 3.0mm DIN 1412-C, >3.0mm DIN 1412-S.
 The TLS1000-spiral provides excellent chip-removal enabling deep-drilling operations (>5xD without pecking is possible).
 Very stable drill bit with excellent heat resistance.

Application; very suitable for drilling non-alloyed and alloyed steels (tool steels, stainless steels etc.) as well as long chipping materials with tensile strengths < 1.300N/mm². Material groups: 1.1 - 1.4 / 2.2 / 3.1 - 3.3 / 4.2 - 4.5 / 4.7 - 4.8 / 4.11 / 5.1 - 5.4

Packed per 1 piece.

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
3895010	1.0	33	56	-
3895015	1.5	45	70	-
3895020	2.0	56	85	-
3895025	2.5	62	95	-
3895030	3.0	66	100	-
3895035	3.5	73	112	-
3895040	4.0	78	119	-
3895045	4.5	82	126	-
3895050	5.0	87	132	-
3895052	5.2	87	132	-
3895055	5.5	91	139	-
3895060	6.0	91	139	-
3895065	6.5	97	148	-

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
3895070	7.0	102	156	-
3895075	7.5	102	156	-
3895080	8.0	109	165	-
3895085	8.5	109	165	-
3895090	9.0	115	175	-
3895095	9.5	115	175	-
3895100	10.0	121	184	-
3895105	10.5	121	184	-
3895110	11.0	128	195	-
3895115	11.5	128	195	-
3895120	12.0	134	205	-
3895125	12.5	134	205	-
3895130	13.0	134	205	-



Many other drill types and dimensions available.
 See for examples our website:
<https://www.repairmanagement.nl/products/cutting-tools/>

Twist drills Extra Long version HSS-G

Drill bits Werkö HSS-G DIN 1869-N SILVER-LINE

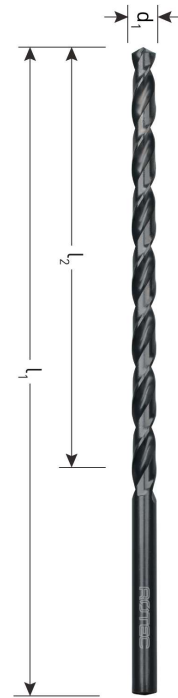
HSS-G Drill bit, DIN 1869, ground flute, split-point (DIN 1412-A), point angle 118°, type N-spiral, steam tempered.

Application; General-purpose drill, to drill steels with tensile strength up to 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Take care to conform to cutting speeds, frequent pecking and sufficient lubrication. Material groups: 1.1 - 1.4 / 3.1 - 3.3

Packed per 1 piece.

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
381600151	1.5	100	150	-
381600201	2.0	85	125	-
381600251	2.5	95	140	-
381600301	3.0	100	150	-
381600302	3.0	130	190	-
381600321	3.2	105	155	-
381600322	3.2	135	200	-
381600351	3.5	115	165	-
381600352	3.5	145	210	-
381600401	4.0	120	175	-
381600402	4.0	150	220	63 04 07
381600403	4.0	190	280	-
381600421	4.2	120	175	-
381600422	4.2	150	220	-
381600423	4.2	190	280	-
381600451	4.5	125	185	-
381600452	4.5	160	235	63 04 08
381600453	4.5	200	295	-
381600501	5.0	135	195	-
381600502	5.0	170	245	-
381600503	5.0	210	315	63 04 09
381600521	5.2	135	195	-
381600551	5.5	140	205	-
381600552	5.5	180	260	-
381600553	5.5	225	330	63 04 10
381600601	6.0	140	205	63 04 11
381600602	6.0	180	260	-
381600603	6.0	225	330	-
381600651	6.5	150	215	63 04 12
381600652	6.5	190	275	-

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
381600653	6.5	235	350	-
381600701	7.0	155	225	63 04 13
381600702	7.0	200	290	-
381600703	7.0	250	370	-
381600751	7.5	155	225	63 04 14
381600752	7.5	200	290	-
381600753	7.5	250	370	-
381600801	8.0	165	240	63 04 15
381600802	8.0	210	305	-
381600803	8.0	265	390	-
381600851	8.5	165	240	63 04 16
381600852	8.5	210	305	-
381600853	8.5	265	390	-
381600901	9.0	175	250	63 04 17
381600902	9.0	220	320	-
381600951	9.5	175	250	63 04 18
381601001	10.0	185	265	63 04 19
381601002	10.0	235	340	-
381601003	10.0	295	430	-
381601051	10.5	185	265	63 04 20
381601052	10.5	235	340	-
381601101	11.0	195	280	63 04 21
381601102	11.0	250	365	-
381601103	11.0	310	455	-
381601201	12.0	205	295	63 04 25
381601202	12.0	260	375	-
381601203	12.0	330	480	-
381601301	13.0	205	295	63 04 29
381601302	13.0	260	375	-
381601303	13.0	330	480	-



Stub drills HSS-G

Stub Drill bits IZAR HSS-G DIN 1897-N

HSS-G Drill bit, DIN 1897-N, split-point cross cut (DIN 1412-C), point angle 135°, type N-spiral, steam tempered. Top quality drill bit!

Application; General-purpose drill, to drill steels with tensile strength up to 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Material groups: 1.1 - 1.4 / 2.1 - 2.2 / 3.1 / 4.1 - 4.11 / 5.3 - 5.4.

Packed per 1 piece.

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
380932	3.2	18	49	-
380933	3.3	18	49	-
380935	3.5	20	52	-
380940	4.0	22	55	-
380941	4.1	22	55	-
380942	4.2	22	55	-
390945	4.5	24	58	-
380949	4.9	26	62	-
380950	5.0	26	62	-
380951	5.1	26	62	-
380952	5.2	26	62	-
380957	5.7	28	66	-

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
380958	5.8	28	66	-
380960	6.0	28	66	-
380965	6.5	31	70	-
380970	7.0	34	74	-
380980	8.0	37	79	-
380985	8.5	37	79	-
380990	9.0	40	84	-
380991	9.1	40	84	-
380997B	10.5	43	89	-
380999	11.0	43	89	-
381003	13.0	51	102	-



Many other drill types and dimensions available.

See for examples our website:

<https://www.repairmanagement.nl/products/cutting-tools/>

Twist drills TOP-X Gold-Line HSS-Co

Drill bits DIN 338 Split Point HSS-Co very suitable for cordless drills

HSS-Co Jobber drill bit, DIN 338, ground flute, split-point according to DIN 1412-C, point angle 135°, type N-spiral. Very suitable for cordless drills. Quick and precise spot-drilling without centering, longer drilling with one battery due to reduced cutting forces, accurate and round holes, even in sheet materials. >ø4.0mm with **3-flat shank** type.

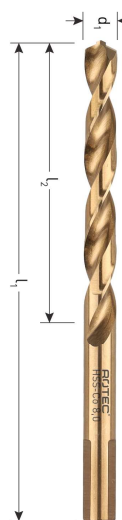
Application; General-purpose use, for drilling of most common materials such as steel, alloyed steel and stainless steel with tensile strength up to 1.000 N/mm², cast-iron, etc. Material groups : 1.1 - 1.4 / 2.1 - 2.2 / 3.1 / 4.1 - 4.11 / 5.3 - 5.4

Packed per 1 piece.



Article No.	d1 mm	L2 mm	L 1 mm	IMPA
3506010E	1.0	12	34	-
3506015E	1.5	18	40	-
3506020E	2.0	24	49	-
3506025E	2.5	330	57	-
3506030E	3.0	33	61	-
3506035E	3.5	39	70	-
3506040E	4.0	43	75	-
3506045E	4.5	47	80	-
3506050E	5.0	52	86	-
3506055E	5.5	52	86	-
3506060E	6.0	57	93	-
3506065E	6.5	63	101	-
3506070E	7.0	69	109	-

Article No.	d1 mm	L2 mm	L 1 mm	IMPA
3506075E	7.5	69	109	-
3506080E	8.0	75	117	-
3506085E	8.5	75	117	-
3506090E	9.0	81	125	-
3506095E	9.5	81	125	-
3506100E	10.0	87	133	-
3506105E	10.5	87	133	-
3506110E	11.0	94	142	-
3506115E	11.5	94	142	-
3506120E	12.0	101	151	-
3506125E	12.5	101	151	-
3506130E	13.0	101	151	-



Drill bit SETS HSS-Co DIN 338 TOP-X Cobalt

Complete engineer sets in ABS folding case or in ABS carry box.

High performance drill bits very suitable for cordless drills.

Article No.	Description	IMPA
3506200	Drill bit SET HSS-Co DIN 338 TOP-X Cobalt 6 pcs ø2, 3, 4, 5, 6 and 8mm 1 pc each	-
3506201	Drill bit SET HSS-Co DIN 338 TOP-X Cobalt 19 pcs ø1 - 10 / 0,5mm increm. / 1 pc each	-
3506202	Drill bit SET HSS-Co DIN 338 TOP-X Cobalt 25 pcs ø1 - 13.0 / 0.5mm increm. / 1 pc each	-



Step drill bits HSS split point

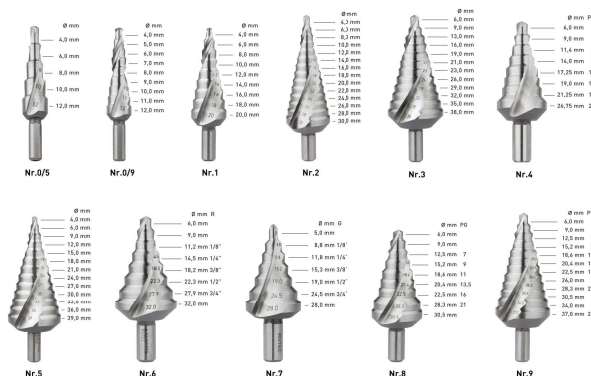
Step drill bits HSS with CBN cut

HSS step drill bits with spiral flutes, split-point according to DIN1412-C and a 3-flat cylindrical shank. Optimized chip-flow, also of non-breaking chips, protects cuttings edges and guarantees a smooth and high-performance cutting process.

Application; Suitable for most common materials. Steel sheet material up to 4mm thickness. Increase tool life considerably with cutting oil RS50 or cutting paste. Material groups : 1.1 - 1.3 / 4.1 - 4.12

Packed per 1 piece.

Article No.	Number	Range mm	L 1 mm	Shaft d2 mm	Steps	IMPA
385001	0/5	4.0-12.0	65	6	5	-
385002	0/9	4.0-12.0	65	6	9	63 38 01
385003	1	4.0-20.0	75	8	9	63 38 02
385004	2	4.0-30.0	100	10	14	-
385005	3	6.0-38.0	100	10	12	63 38 03
385006	4	6.0-26.75	75	10	8	-
385007	5	4.0-39.0	107	10	13	-
385008	6	6.0-32.0	75	10	8	-
385009	7	5.0-28.0	69	10	7	-
385010	8	6.0-30.5	80	10	9	-
385011	9	6.0-37.0	100	10	12	63 38 03
385012	13	6.0-40.0	100	10	12	63 38 04



Article No.	Description	IMPA
385015	Step drill bit set HSS 3 pcs Nr. 0/9, 1 and 2 1 pc each in ABS box	-

Many other drill types and dimensions available.

See for examples our website:

<https://www.repairmanagement.nl/products/cutting-tools/>