TWIST DRILL BITS HSS-R



Overview of metal drill bits with recommendation

Steel



Quality	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★★	★★★★★	★★★★☆	★★★★☆	★★★★☆	★★★★★	★★★★★	★★★★★	★★★★☆	★★★★☆	★★★★☆
DIN Norm	340	345	–	PROJAHN standard	–	–	–	333	–	–	–	–	–	338	PROJAHN standard
Product	–	–	–	–	–	–	–	–	–	–	PROSTEP	–	ECO	ECO	ECO
Product material	HSS-R	HSS-R	HSS-Co 5% HSS-G	HSS-G	HSS-Co 5%	HSS-Co 5%	HSS-G	HSS-G	HSS-G	Carbide	HSS-G	HSS-Co 5% HSS-G	HSS-Co 5% HSS-G	HSS-R	HSS-R
Type	N	N	N	N	N	–	–	–	–	–	–	–	–	N	N
Point angle	118°	118°	135°	118°	120/180°	–	–	118°	118°	–	–	–	–	118°	118°
Coating	–	Vaporized	–	–	–	–	–	–	TiN	–	TiAlN	–	–	Vaporized	Vaporized
Shank	Straight	Morse taper	Straight	Straight	Straight	Straight	Straight	Straight	Straight	–	3 flat shank	3 flat shank	3 flat shank	Straight	Straight reduced
Ø mm	2 - 13	8 - 60	3 - 5,5 3 - 6,0	3 - 5,8	6 - 10	8	10	1 - 6,3	6	–	4 - 36	4 - 36	4 - 36	0,3 - 20	10 - 25
Series	31000	20000	45100 45000	48000	70X00	70840	70002	39000	70005	70101	76200	76900 76800	76500 76400	10000	49000
Article group	85	9	8	5	11	11	11	11	11	11	12	12	12	1	4
Page	134	135	142	143	144	144	145	145	146	146	147	148	149	130	133
HD Heavy Duty <1,400 N/mm²										+++					
Steel pipes, -profiles, solid metal	++	++	++	++	++	++	++	++		+++	+++	+++	+++	++	++
Cast iron	++	++	++	+						+++	++	++	++	++	++
Stainless steel			++		++	++				+++		++	++		
Non-ferrous metals	+	+	++	+	++	++	++	+		+++	++	++	++	+	+
Sheet metals	+	+	+++	++	+++	+++	+++	+++	++	+++	+++	+++	+++	+	+
Aluminum	++	++	++	+	+	+	+	++	+	+++	++	++	++	++	++
Acryl glass	+	+	+	+				+	+	++	+	+	+	+	+
Plastic	++	++	++	+				++	++	++	++	++	++	++	++
Wood	+	+	+	+					++	+				+	+

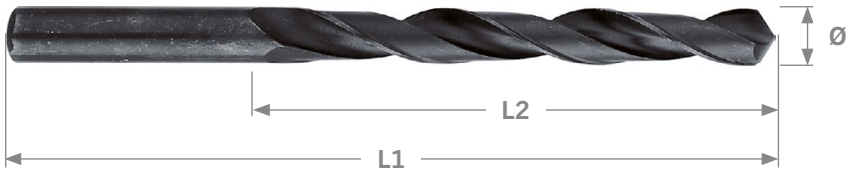
+++ recommended **++ well-suited** **+ suitable**

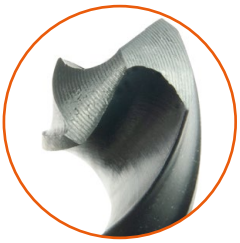
GOLD ★★★★★ SILVER ★★★★☆ BRONZE ★★★☆☆

10000 | Short Twist Drill Bits With Straight Shank
HSS-R DIN 338 Type N ECO



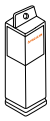
Art.-Group **1**





- Rollforged drills offer a very high breaking strength, as their grid structure is not damaged during production
- With vaporized surface for optimal coolant adhesion, effective corrosion protection and reduced cold welding
- Designed to drill: steel up to 900 N/mm², cast steel alloyed and unalloyed, gray cast iron, malleable cast iron, sintered iron, nodular cast iron, graphite, bronze, non-ferrous metals, aluminum and plastics

Tolerance	h8	**Web Thinning**	Without	**Helix Angle**	26° - 28°
Material	HSS-R	**Web Thickness**	Normal	**Constructional Features**	DIN 1414
Point Grinding	Tapered finish	**Tensile Strength**	900 N/mm²		
Point Angle	118°	**Web Taper**	Normal		



Quadro pack with hanger

★★★★☆

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
0.30	19	3	10	10030
0.40	20	5	10	10040
0.50	22	6	10	10050
0.60	24	7	10	10060
0.70	28	9	10	10070
0.75	28	9	10	10075
0.80	30	10	10	10080
0.90	32	11	10	10090
1.00	34	12	10	10100
1.10	36	14	10	10110
1.20	38	16	10	10120
1.25	38	16	10	10125
1.30	38	16	10	10130
1.40	40	18	10	10140
1.50	40	18	10	10150
1.60	43	20	10	10160
1.70	43	20	10	10170
1.75	46	22	10	10175
1.80	46	22	10	10180
1.90	46	22	10	10190
2.00	49	24	10	10200
2.10	49	24	10	10210
2.20	53	27	10	10220
2.25	53	27	10	10225
2.30	53	27	10	10230
2.40	57	30	10	10240
2.50	57	30	10	10250
2.60	57	30	10	10260
2.70	61	33	10	10270
2.75	61	33	10	10275
2.80	61	33	10	10280
2.90	61	33	10	10290

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
3.00	61	33	10	10300
3.10	65	36	10	10310
3.20	65	36	10	10320
3.25	65	36	10	10325
3.30	65	36	10	10330
3.40	70	39	10	10340
3.50	70	39	10	10350
3.60	70	39	10	10360
3.70	70	39	10	10370
3.75	70	39	10	10375
3.80	75	43	10	10380
3.90	75	43	10	10390
4.00	75	43	10	10400
4.10	75	43	10	10410
4.20	75	43	10	10420
4.25	75	43	10	10425
4.30	80	47	10	10430
4.40	80	47	10	10440
4.50	80	47	10	10450
4.60	80	47	10	10460
4.70	80	47	10	10470
4.75	80	47	10	10475
4.80	86	52	10	10480
4.90	86	52	10	10490
5.00	86	52	10	10500
5.10	86	52	10	10510
5.20	86	52	10	10520
5.25	86	52	10	10525
5.30	86	52	10	10530
5.40	93	57	10	10540
5.50	93	57	10	10550
5.60	93	57	10	10560

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
5.70	93	57	10	10570
5.75	93	57	10	10575
5.80	93	57	10	10580
5.90	93	57	10	10590
6.00	93	57	10	10600
6.10	101	63	10	10610
6.20	101	63	10	10620
6.25	101	63	10	10625
6.30	101	63	10	10630
6.40	101	63	10	10640
6.50	101	63	10	10650
6.60	101	63	10	10660
6.70	101	63	10	10670
6.75	109	69	10	10675
6.80	109	69	10	10680
6.90	109	69	10	10690
7.00	109	69	10	10700
7.10	109	69	10	10710
7.20	109	69	10	10720
7.25	109	69	10	10725
7.30	109	69	10	10730
7.40	109	69	10	10740
7.50	109	69	10	10750
7.60	117	75	10	10760
7.70	117	75	10	10770
7.80	117	75	10	10780
7.90	117	75	10	10790
8.00	117	75	10	10800
8.10	117	75	10	10810
8.20	117	75	10	10820
8.25	117	75	10	10825*

GOLD ★★★★★ SILVER ★★★★☆ BRONZE ★★★☆☆

*Only as long as stocks last

10000 | Short Twist Drill Bits With Straight Shank
HSS-R DIN 338 Type N ECO

Art.-Group **1**

★★★★☆

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
8.30	117	75	10	10830
8.40	117	75	10	10840
8.50	117	75	10	10850
8.60	125	81	10	10860
8.70	125	81	10	10870
8.80	125	81	10	10880
8.90	125	81	10	10890
9.00	125	81	10	10900
9.10	125	81	10	10910
9.20	125	81	10	10920
9.30	125	81	10	10930
9.40	125	81	10	10940
9.50	125	81	10	10950
9.60	133	87	10	10960
9.70	133	87	10	10970
9.80	133	87	10	10980
9.90	133	87	10	10990
10.00	133	87	10	11000
10.10	133	87	5	11010
10.20	133	87	5	11020
10.30	133	87	5	11030
10.40	133	87	5	11040
10.50	133	87	5	11050
10.60	133	87	5	11060

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
10.70	142	94	5	11070
10.80	142	94	5	11080
10.90	142	94	5	11090*
11.00	142	94	5	11100
11.10	142	94	5	11110
11.20	142	94	5	11120
11.30	142	94	5	11130
11.40	142	94	5	11140
11.50	142	94	5	11150
11.60	142	94	5	11160
11.70	142	94	5	11170
11.80	142	94	5	11180
11.90	151	101	5	11190
12.00	151	101	5	11200
12.10	151	101	5	11210
12.20	151	101	5	11220
12.30	151	101	5	11230
12.40	151	101	5	11240
12.50	151	101	5	11250
12.60	151	101	5	11260
12.70	151	101	5	11270
12.80	151	101	5	11280
12.90	151	101	5	11290

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
13.00	151	101	5	11300
13.50	160	108	5	11350
14.00	160	108	5	11400
14.50	169	114	5	11450
15.00	169	114	5	11500
15.50	178	120	5	11550
16.00	178	120	5	11600
16.50	184	125	1	11650
17.00	184	125	1	11700
17.50	191	130	1	11750
18.00	191	130	1	11800
18.50	198	135	1	11850
19.00	198	135	1	11900
19.50	205	140	1	11950
20.00	205	140	1	12000

15000 | Single Packed Items

Art.-Group **1**



In pouch
Single packaging hangable (2 pieces up to Ø 4 mm)

★★★★☆

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
1.0	34	12	2	15010
1.5	40	18	2	15015
2.0	49	24	2	15020
2.5	57	30	2	15025
3.0	61	33	2	15030
3.1	65	36	2	15031
3.2	65	36	2	15032
3.3	65	36	2	15033
3.5	70	39	2	15035
4.0	75	43	2	15040
4.1	75	43	1	15041
4.2	75	43	1	15042

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
4.5	80	47	1	15045
4.8	86	52	1	15048
5.0	86	52	1	15050
5.5	93	57	1	15055
6.0	93	57	1	15060
6.5	101	63	1	15065
6.8	109	69	1	15068
7.0	109	69	1	15070
7.5	109	69	1	15075
8.0	117	75	1	15080
8.5	117	75	1	15085

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
9.0	125	81	1	15090
9.5	125	81	1	15095
10.0	133	87	1	15100
10.2	133	87	1	15102
10.5	133	87	1	15105
11.0	142	94	1	15110
11.5	142	94	1	15115
12.0	151	101	1	15120
12.5	151	101	1	15125
13.0	151	101	1	15130

*Only as long as stocks last

Sets - HSS-R DIN 338 type N ECO

Art.-Group **16**


67 003


67 007


60 001


60 005


60 325


60 336


60 335


60 330



67 000



67 005


60 600


67 600


60 700

★★★★☆

Content	Pieces	Packaging	Item No.
Ø 1 - 10 / 0.5 mm increasing	19	Plastic box	67 003
Ø 1 - 13 / 0.5 mm increasing	25	Plastic box	67 007
Ø 1 - 10 / 0.5 mm increasing	19	Metal box	60 001
Ø 1 - 13 / 0.5 mm increasing	25	Metal box	60 005
Ø 1 - 10.5 / 0.5 mm increasing Core hole dimensions Ø 3.3 - 4.2 - 6.8 - 10.2 mm	24	Metal box	60 325
Ø 1 - 10 / 0.1 mm increasing	91	Metal box	60 336
Ø 6 - 10 / 0.1 mm increasing	41	Metal box	60 335
Ø 1 - 5.9 / 0.1 mm increasing	50	Metal box	60 330
Ø 1.5 - 6.5 / 0.5 mm increasing + Ø 3.2 - 4.8 mm	13	Plastic box	67 000
Ø 2.0 - 8.0 / 0.5 mm increasing	13	Plastic box	67 005
10x Ø 1.0 - 8.0 / 0.5 mm increasing 5x Ø 8.5 - 10.0 / 0.5 mm increasing	170	Metal case	60 600
10x Ø 1.0 - 8.0 / 0.5 mm increasing 5x Ø 8.5 - 10.0 / 0.5 mm increasing	170	Plastic case	67 600
10x Ø 1.0 - 8.0 / 0.5 mm increasing 10x Ø 3.3 - 4.2 mm 5x Ø 8.5 - 13.0 / 0.5 mm increasing	220	Metal case	60 700

Sets - HSS-R DIN 338 type N BASIC

Art.-Group **16**


67 317


67 377


60 003


60 007

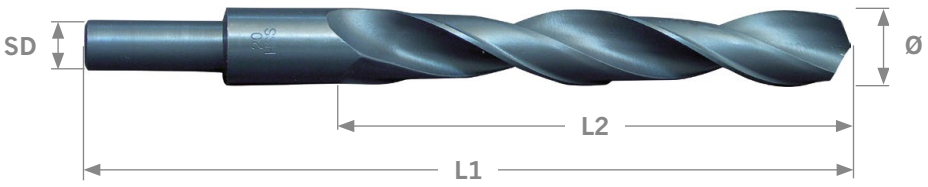
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Content	Pieces	Packaging	Item No.
Ø 1 - 10 / 0.5 mm increasing	19	Plastic box	67 317
Ø 1 - 13 / 0.5 mm increasing	25	Plastic box	67 377
Ø 1 - 10 / 0.5 mm increasing	19	Metal box	60 003
Ø 1 - 13 / 0.5 mm increasing	25	Metal box	60 007

49000 | Twist drill bits with reduced straight shank
HSS-R PROJAHN standard Type N ECO



Art.-Group **4**





- Rollforged drills offer a very high breaking strength, as their grid structure is not damaged during production
- With vaporized surface for optimal coolant adhesion, effective corrosion protection and reduced cold welding
- Due to the reduced shank, larger drill bit diameters can also be used in machines with smaller drill chucks
- Designed to drill: steel up to 900 N/mm², cast steel alloyed and unalloyed, gray cast iron, malleable cast iron, sintered iron, nodular cast iron, graphite, bronze, non-ferrous metals, aluminum and plastics

Tolerance	h8	**Web Thinning**	Without	**Helix Angle**	28°
Material	HSS-R	**Web Thickness**	Normal	**Constructional Features**	DIN 1414
Point Grinding	Tapered finish	**Tensile Strength**	900 N/mm²		
Point Angle	118°	**Web Taper**	Normal		



Single packaging with hanger

★★★★☆

Ø mm	L1 mm	L2 mm	SD mm	Pc./ PU	Item No.
10.5	133	87	10	1	49 105
11.0	142	94	10	1	49 110
11.5	142	94	10	1	49 115
12.0	151	101	10	1	49 120
12.5	151	101	10	1	49 125
13.0	151	101	10	1	49 130
13.5	160	108	10	1	49 135
14.0	160	108	10	1	49 140
14.5	169	114	10	1	49 145
15.0	169	114	10	1	49 150
15.5	178	120	10	1	49 155

Ø mm	L1 mm	L2 mm	SD mm	Pc./ PU	Item No.
16.0	178	120	10	1	49 160
16.5	184	125	13	1	49 165
17.0	184	125	13	1	49 170
17.5	191	130	13	1	49 175
18.0	191	130	13	1	49 180
18.5	198	135	13	1	49 185
19.0	198	135	13	1	49 190
19.5	205	140	13	1	49 195
20.0	205	140	13	1	49 200
20.5	205	140	13	1	49 205
21.0	205	140	13	1	49 210
21.5	205	140	13	1	49 215

Ø mm	L1 mm	L2 mm	SD mm	Pc./ PU	Item No.
22.0	205	140	13	1	49 220
22.5	205	140	13	1	49 225
23.0	205	140	13	1	49 230
23.5	205	140	13	1	49 235
24.0	205	140	13	1	49 240
24.5	205	140	13	1	49 245
25.0	205	140	13	1	49 250

31000 | Long Twist Drill Bits With Straight Shank
HSS-R/*HSS-G DIN 340 Type N



Art.-Group **85**





- With vaporized surface for optimal coolant adhesion, effective corrosion protection and reduced cold welding
- Designed to cut: steel up to 900 N/mm², cast iron, non-ferrous metals, aluminum and plastics

Tolerance	h8	**Web Thinning**	Without/*Split point	**Helix Angle**	26° - 31°
Material	HSS-R/*HSS-G	**Web Thickness**	Normal	**Constructional Features**	DIN 1414
Point Grinding	Tapered finish	**Tensile Strength**	900 N/mm²		
Point Angle	118°/*135°	**Web Taper**	Normal		



Quadro Pack not hangable

★★★★☆

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
2.0	85	56	10	310200
2.1	85	56	10	310210
2.2	90	59	10	310220
2.3	90	59	10	310230
2.4	95	62	10	310240
2.5*	95	62	10	310250
2.6	95	62	10	310260
2.7	100	66	10	310270
2.8	100	66	10	310280
2.9	100	66	10	310290
3.0*	100	66	10	310300
3.1	106	69	10	310310
3.2*	106	69	10	310320
3.3	106	69	10	310330
3.4*	112	73	10	310340
3.5*	112	73	10	310350
3.6*	112	73	10	310360
3.7	112	73	10	310370
3.8	119	78	10	310380
3.9*	119	78	10	310390
4.0	119	78	10	310400
4.1*	119	78	10	310410

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
4.2*	119	78	10	310420
4.3*	126	82	10	310430
4.4	126	82	10	310440
4.5*	126	82	10	310450
4.6	126	82	10	310460
4.7*	126	82	10	310470
4.8*	132	87	10	310480
4.9*	132	87	10	310490
5.0*	132	87	10	310500
5.1	132	87	10	310510
5.2	132	87	10	310520
5.3	132	87	10	310530
5.4	139	91	10	310540
5.5*	139	91	10	310550
5.6	139	91	10	310560
5.7*	139	91	10	310570
5.8*	139	91	10	310580
5.9	139	91	10	310590
6.0*	139	91	10	310600
6.1	148	97	10	310610
6.2	148	97	10	310620
6.3	148	97	10	310630

Ø mm	L1 mm	L2 mm	Pc./ PU	Item No.
6.4	148	97	10	310640
6.5*	148	97	10	310650
6.8*	156	102	10	310680
7.0*	156	102	10	310700
7.5	156	102	10	310750
8.0*	165	109	10	310800
8.5*	165	109	10	310850
9.0*	175	115	10	310900
9.5	175	115	10	310950
10.0*	184	121	10	311000
10.2*	184	121	5	311020
10.5*	184	121	5	311050
11.0	195	128	5	311100
11.5	195	128	5	311150
12.0	205	134	5	311200
12.5	205	134	5	311250
13.0	205	134	5	311300

Sets

Art.-Group **16**



60831

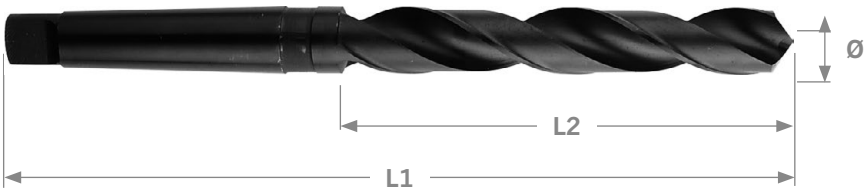
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Content	Pieces	Packaging	Item No.
Ø 1 - 10 / 0.5 mm increasing	19	Metal box	60831

20000 | Twist Drill Bits With Morse Taper
HSS-R DIN 345 Type N



Art.-Group **9**





- Rollforged drills offer a very high breaking strength, as their grid structure is not damaged during production
- With vaporized surface for optimal coolant adhesion, effective corrosion protection and reduced cold welding
- Long lifetime due to high-quality high-speed steel
- Designed to drill: steel up to 900 N/mm², cast steel alloyed and unalloyed, gray cast iron, malleable cast iron, sintered iron, nodular cast iron, graphite, bronze, non-ferrous metals, aluminum and plastics

Tolerance	h8	**Web Thinning**	Without	**Helix Angle**	28° - 30°
Material	HSS-R	**Web Thickness**	Normal	**Constructional Features**	DIN 1414
Point Grinding	Tapered finish	**Tensile Strength**	900 N/mm²		
Point Angle	118°	**Web Taper**	Normal		



Single packaging with hanger

★★★★☆

Ø mm	L1 mm	L2 mm	MK	Pc./ PU	Item No.
8.0	156	75	1	1	20 800
8.5	156	75	1	1	20 850
9.0	162	81	1	1	20 900
9.5	162	81	1	1	20 950
10.0	168	87	1	1	21 000
10.5	168	87	1	1	21 050
11.0	175	94	1	1	21 100
11.5	175	94	1	1	21 150
12.0	182	101	1	1	21 200
12.5	182	101	1	1	21 250
13.0	182	101	1	1	21 300
13.5	189	108	1	1	21 350
14.0	189	108	1	1	21 400
14.5	212	114	2	1	21 450
15.0	212	114	2	1	21 500
15.5	218	120	2	1	21 550
16.0	218	120	2	1	21 600
16.5	223	125	2	1	21 650
17.0	223	125	2	1	21 700
17.5	228	130	2	1	21 750

Ø mm	L1 mm	L2 mm	MK	Pc./ PU	Item No.
18.0	228	130	2	1	21 800
18.5	233	135	2	1	21 850
19.0	233	135	2	1	21 900
19.5	238	140	2	1	21 950
20.0	238	140	2	1	22 000
20.5	243	145	2	1	22 050
21.0	243	145	2	1	22 100
21.5	248	150	2	1	22 150
22.0	248	150	2	1	22 200
22.5	253	155	2	1	22 250
23.0	253	155	2	1	22 300
23.5	276	155	3	1	22 350
24.0	281	160	3	1	22 400
24.5	281	160	3	1	22 450
25.0	281	160	3	1	22 500
25.5	286	165	3	1	22 550
26.0	286	165	3	1	22 600
26.5	286	165	3	1	22 650
27.0	291	170	3	1	22 700
27.5	291	170	3	1	22 750

Ø mm	L1 mm	L2 mm	MK	Pc./ PU	Item No.
28.0	291	170	3	1	22 800
28.5	296	175	3	1	22 850
29.0	296	175	3	1	22 900
29.5	296	175	3	1	22 950
30.0	296	175	3	1	23 000
30.5	301	180	3	1	23 050
31.0	301	180	3	1	23 100
31.5	301	180	3	1	23 150
32.0	334	185	4	1	23 200
32.5	334	185	4	1	23 250
33.0	334	185	4	1	23 300
33.5	334	185	4	1	23 350
34.0	339	190	4	1	23 400
34.5	339	190	4	1	23 450
35.0	339	190	4	1	23 500
35.5	339	190	4	1	23 550
36.0	344	195	4	1	23 600
36.5	344	195	4	1	23 650
37.0	344	195	4	1	23 700
37.5	344	195	4	1	23 750

20000 | Twist Drill Bits With Morse Taper
HSS-R DIN 345 Type N

Art.-Group **9**

★★★★☆

Ø mm	L1 mm	L2 mm	MK	Pc./ PU	Item No.
38.0	349	200	4	1	23 800
38.5	349	200	4	1	23 850
39.0	349	200	4	1	23 900
39.5	349	200	4	1	23 950
40.0	349	200	4	1	24 000
40.5	354	205	4	1	24 050
41.0	354	205	4	1	24 100
41.5	354	205	4	1	24 150
42.0	354	205	4	1	24 200
42.5	354	205	4	1	24 250

Ø mm	L1 mm	L2 mm	MK	Pc./ PU	Item No.
43.0	359	210	4	1	24 300
43.5	359	210	4	1	24 350
44.0	359	210	4	1	24 400
44.5	359	210	4	1	24 450
45.0	359	210	4	1	24 500
45.5	364	215	4	1	24 550
46.0	364	215	4	1	24 600
46.5	364	215	4	1	24 650
47.0	364	215	4	1	24 700
47.5	364	215	4	1	24 750

Ø mm	L1 mm	L2 mm	MK	Pc./ PU	Item No.
48.0	369	220	4	1	24 800
48.5	369	220	4	1	24 850
49.0	369	220	4	1	24 900
49.5	369	220	4	1	24 950
50.0	369	220	4	1	25 000
55.0	417	230	5	1	25 500
60.0	422	235	5	1	25 600

Reducing sleeves and ejectors on page 104

Sets

Art.-Group **16**



60 720

★★★★☆

Content	Pieces	Packaging	Item No.
Ø 14.0 - 30.0 / 2 mm increasing + Ø 25.0 mm	10	Metal case	60 720

Empty Boxes and Cases for Twist Drill Bits DIN 338

Metal boxes


67 613


67 613


67 613


67 613


67 613


67 613

Metal cases


67 613


67 613

Plastic boxes


67 613


67 613


67 613


67 613

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Designation	For ... Pcs.	For content ...	Item No.
Metal box	19	Ø 1 - 10 / 0.5 mm increasing	61 019
Metal box	21	Ø 2 - 10.2 / 0.5 mm increasing Ø 3.3 - 4.2 - 6.8 mm	61 021
Metal box	24	Ø 1 - 10.5 / 0.5 mm increasing Ø 3.3 - 4.2 - 6.8 - 10.2 mm	61 024
Metal box	25	Ø 1 - 13 / 0.5 mm increasing	61 025
Metal box	41	Ø 6 - 10 / 0.1 mm increasing	61 041
Metal box	50	Ø 1 - 5.9 / 0.1 mm increasing	61 050
Metal case	170	Ø 1 - 10 / 0.5 mm increasing	61 600
Metal case	220	Ø 1 - 13 / 0.5 mm increasing	61 700
Plastic box	19	Ø 1 - 10 / 0.5 mm increasing	670 191
Plastic box	25	Ø 1 - 13 / 0.5 mm increasing	670 251
Plastic box	19	Ø 1 - 10 / 0.5 mm increasing	67 023
Plastic box	25	Ø 1 - 13 / 0.5 mm increasing	67 024

Sales Cabinets for Twist Drill Bits DIN 338

Art.-Group **16**
Art.-Group **69**

- For 970 short twist drill bits with cylindrical shank
- Dimensions: H 460 x W 380 x D 220
- 10x Ø 1 - 10 / 0.1 mm increasing
- 10x Ø 10.5 - 13 / 0.5 mm increasing



Designation	Material	Quality Level	information	Art.-Group	Item No.
SPEED	HSS-Co 5%	GOLD	Page 92	16	11 026
ECO	HSS-Co 5%	SILVER	Page 94	16	11 025
TURBO	HSS-G	GOLD	Page 112	16	11 014
ECO	HSS-G	SILVER	Page 114	16	11 018
ECO	HSS-R	SILVER	Page 130	16	11 005
Empty cabinet		SILVER		69	11 105

- For 220 short twist drill bits with cylindrical shank
- Dimensions: H 235 x W 375 x D 205
- 10x Ø 1 - 10 / 0.5 mm increasing
- 5x Ø 10.5 - 13 mm / 0.5 mm increasing



Designation	Material	Quality Level	information	Art.-Group	Item No.
SPEED	HSS-Co 5%	GOLD	Page 92	16	11 007
ECO	HSS-Co 5%	SILVER	Page 94	16	11 008
TURBO	HSS-G	GOLD	Page 112	16	11 006
ECO	HSS-G	SILVER	Page 114	16	11 011
ECO	HSS-R	SILVER	Page 130	16	11 004
Empty cabinet		SILVER		69	11 104