

Bosch – Metal Drilling

The HSS drill bit range







BOSCH

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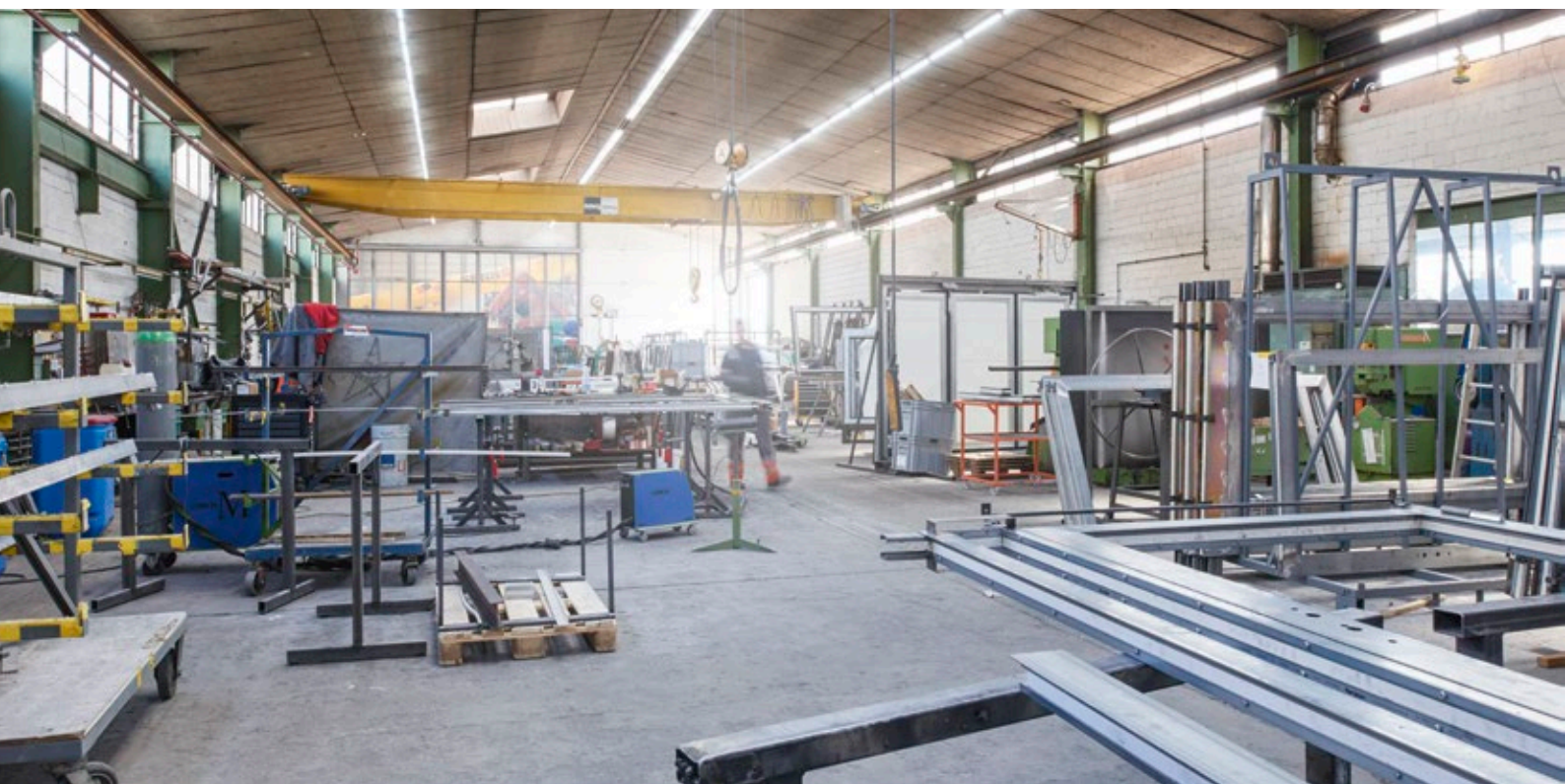
www.bosch-professional.co.uk

HSS Drill Bits – range overview

	HSS PointTeQ	HSS Ground	HSS Impact	HSS Cobalt
				
Lifetime	● ◯	● ●	● ●	● ● ●
Speed	● ● ●	● ● ●	● ● ●	● ● ●
Precision	● ●	● ● ●	● ● ●	● ● ●
Features	Fast Drilling in Metal	Highest-Precision Holes	Highly Robust with Impact Drivers	Long Lifetime when Drilling Stainless Steel

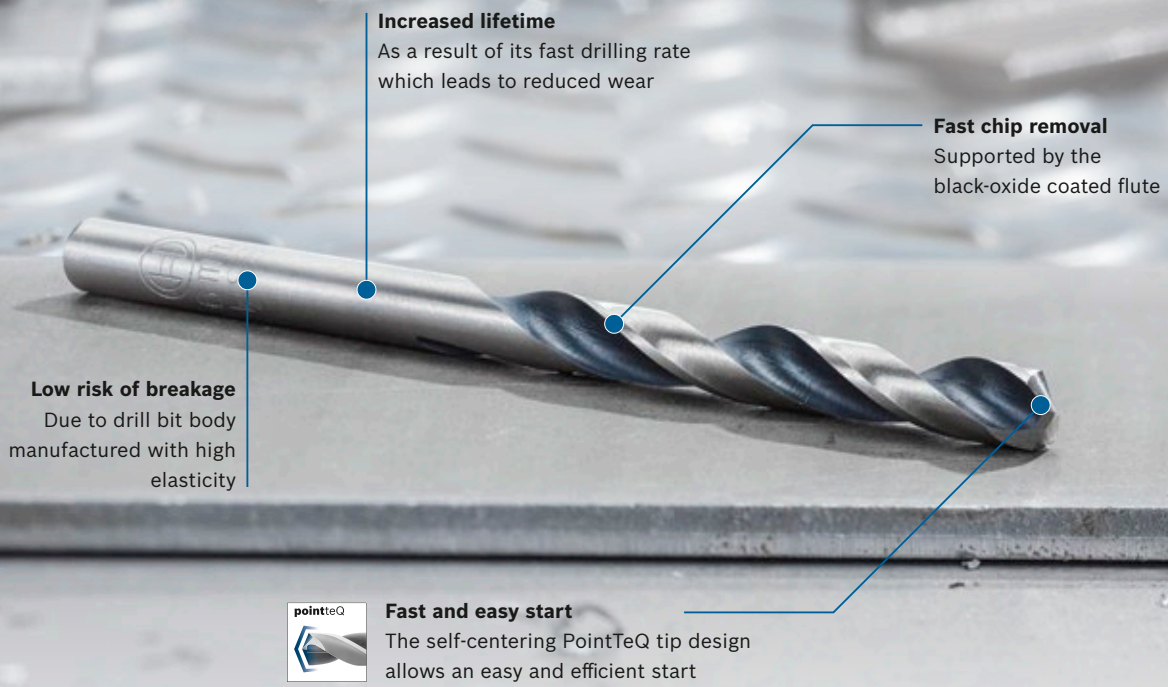
	Plastic	Non Alloy Steel	Non-Ferrous Metals	Cast Steel	Aluminium and Alloy Steel	Cast Iron	Stainless Steel
HSS PointTeQ 	●	●	●	●	○	○	–
HSS Ground 	●	●	●	●	●	○	–
HSS Impact 	●	●	●	●	●	○	–
HSS Cobalt 	○	○	●	●	●	●	●

● Recommended ○ Acceptable – Not Recommended



HSS PointTeQ

Fast Drilling in Metal



Low risk of breakage
Due to drill bit body manufactured with high elasticity

Increased lifetime
As a result of its fast drilling rate which leads to reduced wear





Fast chip removal
Supported by the black-oxide coated flute



Fast and easy start
The self-centering PointTeQ tip design allows an easy and efficient start



- ▶ HSS PointTeQ enables fast drilling in metal due to PointTeQ tip design
- ▶ Self-centering tip prevents wandering, making quick and easy drilling starts possible
- ▶ Increased drilling rate generates less heat and wear
- ▶ PointTeQ tip design remains sharp and ensures continuous durability
- ▶ Manufactured to DIN 338

Packs of 2 and 1	Packs of 10 and 5	Packs of 10 and 5	Sets
			
<p>Packs of 1 Ø mm: 4.2/4.5/4.8/5.0/5.5/6.0/6.5/7.0/7.5/8.0/8.5/9.0/10.0/11.0/12.0/13.0</p> <p>Packs of 1* Ø mm: 10.5 – 17.0 in 0.5 mm grading and 18.0/19.0/20.0</p> <p>Packs of 2 Ø mm: 1.0/1.5/2.0/2.5/2.6/3.0/3.2/3.5/4.0</p>	<p>Packs of 5 Ø mm: 10.5/11.0/11.5/12.0/12.5/13.0</p> <p>Packs of 10 Ø mm: 1.5/2.0/2.5/3.0/3.2/3.3/3.5/4.0/4.2/4.5/4.8/4.9/5.0/5.1/5.3/5.5/5.8/5.9/6.0/6.4/6.5/7.0/7.5/8.0/8.5/9.0/9.5/10.0</p>	<p>Packs of 5 Ø Inch: 13/32" – 1/2"</p> <p>Packs of 10 Ø Inch: 1/16" – 25/64"</p>	<p>Small Sets 5/6/7/10/13 pieces</p> <p>Big Sets 19/25 pieces</p>

* reduced shank

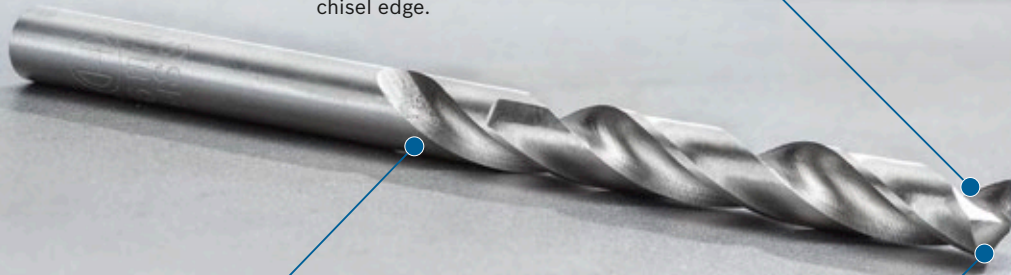
HSS Ground

Highest-Precision Holes



Excellent cutting features

135° tip design enables up to 40% faster drilling rate and up to 50% lower feed pressure than standard HSS drills with chisel edge.



Tight tolerances and accurate holes

as a result of its precision-ground drill bit body.

Quick start and perfect centering

Self-centering split point drills precisely where it is positioned. No need to pre-punch up to 10 mm diameter.



- ▶ HSS Ground is for drilling through metal with highest precision
- ▶ Active cutting and perfect centering without wandering is achieved by split point tip
- ▶ Precision-ground bit made of HSS enables fast results
- ▶ No need to pre-punch or pilot drill up to 10 mm-diameter
- ▶ Manufactured to DIN 338, diameter tolerance h8

Packs of 2 and 1



Packs of 10, 5 and 4



Packs of 10, 5 and 4



Sets



Packs of 1

Ø mm: 4.1/4.2/4.3/ 4.5/4.8/5.0/ 5.1/5.2/5.5/6.0/6.5/6.8/7.0/7.5/ 7.8/8.0/8.5/9.0/9.5/10.0/10.5/ 11.0/11.5/12.0/12.5/13.0

Packs of 2

Ø mm: 1.0/1.5/2.0/2.5/2.6/ 3.0/3.2/3.3/3.5/3.8/4.0

Packs of 4*

Ø mm: 14/15/16

Packs of 5

Ø mm: 8.0 – 13.0 in 0.1 mm grading

Packs of 10

Ø mm: 1.0 – 7.9 in 0.1 mm grading

Packs of 4

Ø Inch: 9/16" and 5/8"

Packs of 5

Ø Inch: 21/64" – 1/2"

Packs of 10

Ø Inch: 1/64" – 5/16"

Small sets

6/7/10/13 pieces

Big sets

18/19/25 pieces

* reduced shank

HSS Impact

Highly Robust with Impact Drivers

Universal use and excellent fixing

1/4" hex-shank fitting all power tools. No spinning of the drill.

Fast chip removal and accurate holes

135° tip design enables up to 40% faster drilling rate and up to 50% lower feed pressure than standard HSS drills with chisel edge.



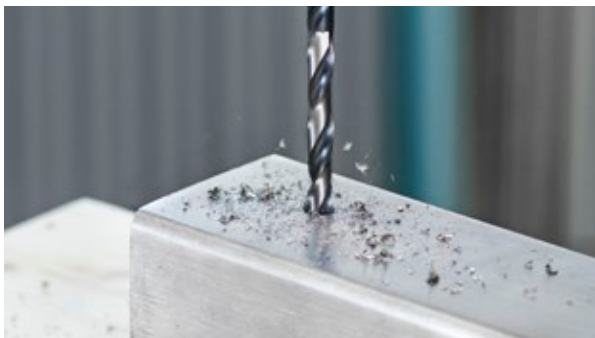
Extreme robustness

due to high-strength body. Drill bit designed to perform with impact drivers.



Quick start and perfect centering

Self-centering split point drills precisely where it is positioned. No need to pre-punch up to 10 mm diameter.

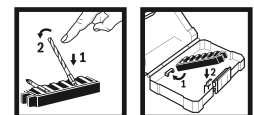


- ▶ HSS Impact offers highly robust drilling in metal, especially with impact drivers
- ▶ Precision-ground from solid metal with an oxide-coated flute for slicing through materials with reduced wear
- ▶ Active cutting and perfect centering due to split point tip. 1/4-inch hex-shank for universal use
- ▶ Manufactured to DIN 338, diameter tolerance h8

Packs of 1

Packs of 10 and 5

Sets



Packs of 1

Ø mm: 2.0/2.2/2.5/3.0/3.2/3.3/3.5/4.0/4.1/4.2/4.5/5.0/5.2/5.5/6.0/6.5/6.8/7.0/7.5/8.0/8.5/9.0/9.5/10.0/11.0/12.0

Packs of 5

Ø mm: 8.0/10.0/12.0

Packs of 10

Ø mm: 2.0/3.0/3.5/4.0/4.2/5.0/6.0

Small sets

a) 8-pcs set

Ø mm: 2.0/3.0/4.0/5.0/6.0/7.0/8.0/10.0

8-pcs set

Ø mm: 2.5/3.3/4.2/4.2/5.0/5.0/6.8/8.5

b) 8-pcs set

Ø mm: 2.0/3.0/4.0/5.0/6.0/7.0/8.0/10.0

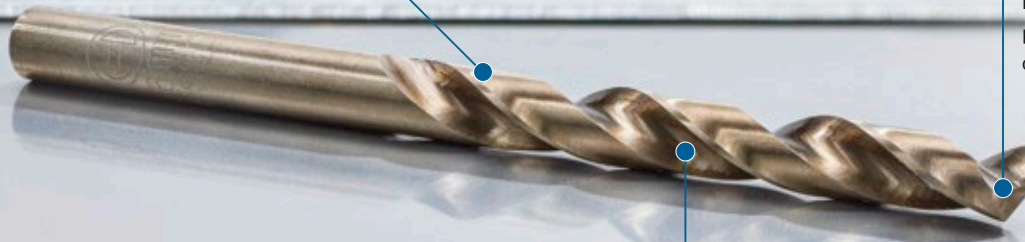
HSS Cobalt

Long Lifetime when Drilling Stainless Steel

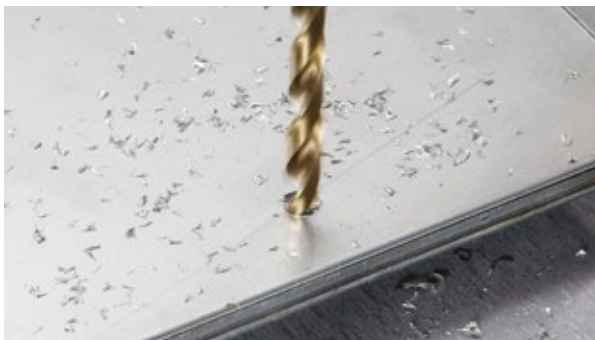
Tight tolerances and accurate holes
as a result of its precision-ground drill bit body.



Quick start and perfect centering
Self-centering split point drills precisely where it is positioned. No need to pre-punch up to 10 mm diameter.



Long lifetime in stainless steel
Heat and wear resistant drill bit with 5% cobalt alloying.



- ▶ HSS Cobalt provides long-lasting performance when drilling stainless steel
- ▶ Cobalt alloy and fully ground HSS provide wear resistance and heat protection
- ▶ Active cutting and perfect centering without wandering are achieved by pointed split point tip
- ▶ Manufactured to DIN 338 with tip of 135 degrees, diameter tolerance h8

Packs of 1

Packs of 10 and 5

Sets



Packs of 1

Ø mm: 1.0/1.5/2.0/2.5/3.0/3.2/3.3/3.5/
4.0/4.1/4.2/4.5/4.8/5.0/5.1/5.2/5.5/
6.0/6.5/6.8/7.0/7.5/8.0/8.5/9.0/9.5/
10.0/10.2/10.5/11.0/11.5/12.0/12.5/
13.0

Packs of 5

Ø mm: 8.0 – 13.0*

Packs of 10

Ø mm: 1.0 – 7.8*

Small sets

6/7/10/13 pieces

Big sets

18/19/25 pieces

* see detailed Ø mm overview on www.bosch-pt.com







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∅ mm	 ◀ mm ▶	 ◀ mm ▶	Part No. 2 608 ...	Barcode 3 165 140 ...
Pack of 2				
1.0	12	34	577 153	906 623
1.5	18	40	577 154	906 630
2.0	24	49	577 155	906 647
2.5	30	57	577 156	906 654
3.0	33	61	577 158	906 678
3.2	36	65	577 159	906 685
3.5	39	70	577 160	906 692
4.0	43	75	577 161	906 708
Pack of 1				
4.2	43	75	577 162	906 715
4.5	47	80	577 163	906 722
4.8	52	86	577 164	906 739
5.0	52	86	577 165	906 746
5.5	57	93	577 166	906 753
6.0	57	93	577 167	906 760
6.5	63	101	577 168	906 777
7.0	69	109	577 169	906 784
7.5	69	109	577 170	906 791
8.0	75	117	577 171	906 807
8.5	75	117	577 172	906 814
9.0	81	125	577 173	906 821
10.0	87	133	577 174	906 838
11.0	94	142	577 175	906 845
12.0	101	151	577 176	906 852
13.0	101	151	577 177	906 869
Pack of 10				
1.5	18	40	577 183	906 920
2.0	24	49	577 188	906 975
2.5	30	57	577 193	907 026
3.0	33	61	577 198	907 071
3.2	36	65	577 200	907 095
3.3	36	65	577 201	907 101
3.5	39	70	577 203	907 125
4.0	43	75	577 208	907 170
4.2	43	75	577 210	907 194
4.5	47	80	577 213	907 224
4.8	52	86	577 216	907 255
4.9	52	86	577 217	907 262
5.0	52	86	577 218	907 279
5.1	52	86	577 219	907 286
5.3	52	86	577 221	907 309
5.5	57	93	577 223	907 323
5.8	57	93	577 226	907 354
5.9	57	93	577 227	907 361
6.0	57	93	577 228	907 378
6.4	63	101	577 232	907 415
6.5	63	101	577 233	907 422
7.0	69	109	577 238	907 477
7.5	69	109	577 243	907 521
8.0	75	117	577 248	907 576
8.5	75	117	577 253	907 620
9.0	81	125	577 258	907 675
9.5	81	125	577 263	907 729
10.0	87	133	577 268	907 774
Pack of 5				
10.5	87	133	577 273	907 828
11.0	94	142	577 278	907 873
11.5	94	142	577 283	907 927
12.0	101	151	577 288	907 972
12.5	101	151	577 293	908 023
13.0	101	151	577 298	908 078

∅ mm	 ◀ mm ▶	 ◀ mm ▶	Part No. 2 608 ...	Barcode 3 165 140 ...
Pack of 1 (reduced shank)				
10.5	87	133	577 299	908 085
11.0	94	142	577 300	908 092
11.5	94	142	577 301	908 108
12.0	101	151	577 302	908 115
12.5	101	151	577 303	908 122
13.0	101	151	577 304	908 139
13.5	108	160	577 305	908 146
14.0	108	160	577 306	908 153
14.5	114	169	577 307	908 160
15.0	114	169	577 308	908 177
15.5	120	178	577 309	908 184
16.0	120	178	577 310	908 191
16.5	125	184	577 311	908 207
17.0	125	184	577 312	908 214
18.0	130	191	577 313	908 221
19.0	135	198	577 314	908 238
20.0	140	205	577 315	908 245
5 Piece Set				
2.0	24	49	577 345	917 636
3.0	33	61		
4.0	43	75		
5.0	52	86		
6.0	57	93		
6.0	57	93		
6 Piece Set				
2.0	24	49	577 346	917 643
3.0	33	61		
4.0	43	75		
5.0	52	86		
6.0	57	93		
8.0	75	117		
7 Piece X-Line Set				
2.0	24	49	577 347	917 650
3.0	33	61		
4.0	43	75		
5.0	52	86		
6.0	57	93		
8.0	75	117		
10.0	87	133		
10 Piece Set				
1.0	12	34	577 348	917 667
2.0	24	49		
3.0	33	61		
4.0	43	75		
5.0	52	86		
6.0	57	93		
7.0	69	109		
8.0	75	117		
9.0	81	125		
10.0	87	133		
13 Piece Set				
1.5	18	40	577 349	917 674
2.0	24	49		
2.5	30	57		
3.0	33	61		
3.2	36	65		
3.5	39	70		
4.0	43	75		
4.5	47	80		
4.8	52	86		
5.0	52	86		
5.5	57	93		
6.0	57	93		
6.5	63	101		



∅ mm	 ◀ mm ▶	 ◀ mm ▶	Part No. 2 608 ...	Barcode 3 165 140 ...
19 Piece Pro Box				
1.0	12	34	577 351	917 698
1.5	18	40		
2.0	24	49		
2.5	30	57		
3.0	33	61		
3.5	39	70		
4.0	43	75		
4.5	47	80		
5.0	52	86		
5.5	57	93		
6.0	57	93		
6.5	63	101		
7.0	69	109		
7.5	69	109		
8.0	75	117		
8.5	75	117		
9.0	81	125		
9.5	81	125		
10.0	87	133		
25 Piece Pro Box				
1.0	12	34	577 352	917 704
1.5	18	40		
2.0	24	49		
2.5	30	57		
3.0	33	61		
3.5	39	70		
4.0	43	75		
4.5	47	80		
5.0	52	86		
5.5	57	93		
6.0	57	93		
6.5	63	101		
7.0	69	109		
7.5	69	109		
8.0	75	117		
8.5	75	117		
9.0	81	125		
9.5	81	125		
10.0	87	133		
10.5	87	133		
11.0	94	142		
11.5	94	142		
12.0	101	151		
12.5	101	151		
13.0	101	151		

∅ Inch	 ◀ mm ▶	 ◀ mm ▶	Part No. 2 608 ...	Barcode 3 165 140 ...
Pack of 10				
1/16"	23	49	577 316	908 252
5/64"	26	52	577 317	908 269
3/32"	33	58	577 318	908 276
7/64"	39	68	577 319	908 283
1/8"	42	71	577 320	908 290
9/64"	45	74	577 321	908 306
5/32"	52	80	577 322	908 313
11/64"	55	84	577 323	908 320
3/16"	61	91	577 324	908 337
13/64"	64	94	577 325	908 344
7/32"	66	97	577 326	908 351
1/4"	72	104	577 328	908 375
5/16"	83	116	577 332	908 412
21/64"	87	120	577 333	908 429
3/8"	95	130	577 336	908 450
Pack of 5				
7/16"	106	143	577 340	908 498
1/2"	118	156	577 344	908 535