

307 HSS-E DIN 338 COBALT, GROUND, SPLIT POINT



DRIVE



EXECUTION

- Profile-ground
- Right-hand cutting, type N
- 5 % cobalt
- Short, cylindrical
- 135° conical section
- Cross-ground finish to DIN 1412 C (from \varnothing 3,0 mm)
- Diametral tolerance h8

FOR USE IN



- Materials with a high strength above 800 N/mm² which are difficult to cut
- Special alloys
- Solder resistant steel
- Stainless steel V2A -V4A

APPLICATION

- In all rotary and percussion drilling machines
- In machines for mechanical processing
- Only for rotary use

PACKAGING



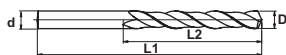
against
surcharge

[146+147]

[147]

D ø mm	L2 mm	L1 mm	d ø mm	Icon	FAN 4016707	Icon
5,60	57	93	5,6	10	065156	307 000 560
5,70	57	93	5,7	10	065163	307 000 570
5,80	57	93	5,8	10	065170	307 000 580
5,90	57	93	5,9	10	065187	307 000 590
6,00	57	93	6,0	10	060519	307 000 600
6,10	63	101	6,1	10	065194	307 000 610
6,20	63	101	6,2	10	065200	307 000 620
6,30	63	101	6,3	10	065217	307 000 630
6,40	63	101	6,4	10	065224	307 000 640
6,50	63	101	6,5	10	060564	307 000 650
6,60	63	101	6,6	10	065231	307 000 660
6,70	63	101	6,7	10	065248	307 000 670
6,80	69	109	6,8	10	060595	307 000 680
6,90	69	109	6,9	10	065255	307 000 690
7,00	69	109	7,0	10	060618	307 000 700
7,10	69	109	7,1	10	065262	307 000 710
7,20	69	109	7,2	10	065279	307 000 720
7,30	69	109	7,3	10	065286	307 000 730
7,40	69	109	7,4	10	065293	307 000 740
7,50	69	109	7,5	10	060663	307 000 750
7,60	75	117	7,6	10	065309	307 000 760
7,70	75	117	7,7	10	065316	307 000 770
7,80	75	117	7,8	10	065323	307 000 780
7,90	75	117	7,9	10	065330	307 000 790
8,00	75	117	8,0	10	060717	307 000 800
8,10	75	117	8,1	10	065347	307 000 810
8,20	75	117	8,2	10	065354	307 000 820
8,30	75	117	8,3	10	065361	307 000 830
8,40	75	117	8,4	10	065378	307 000 840
8,50	75	117	8,5	10	060762	307 000 850
8,60	81	125	8,6	10	065385	307 000 860
8,70	81	125	8,7	10	065392	307 000 870
8,80	81	125	8,8	10	065408	307 000 880
8,90	81	125	8,9	10	065415	307 000 890
9,00	81	125	9,0	10	060816	307 000 900
9,10	81	125	9,1	10	065422	307 000 910
9,20	81	125	9,2	10	065439	307 000 920
9,30	81	125	9,3	10	065446	307 000 930
9,40	81	125	9,4	10	065453	307 000 940
9,50	81	125	9,5	10	060861	307 000 950
9,60	87	133	9,6	10	065460	307 000 960
9,70	87	133	9,7	10	065477	307 000 970
9,80	87	133	9,8	10	065484	307 000 980
9,90	87	133	9,9	10	065491	307 000 990
10,00	87	133	10,0	10	060915	307 001 000
10,20	87	133	10,2	5	060939	307 001 020

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D ø mm	L2 mm	L1 mm	d ø mm		EAN 4016707...	
10,50	87	133	10,5	5	060960	307 001 050
11,00	94	142	11,0	5	061011	307 001 100
11,50	94	142	11,5	5	061066	307 001 150
12,00	101	151	12,0	5	061110	307 001 200
12,50	101	151	12,5	5	061165	307 001 250
13,00	101	151	13,0	5	061219	307 001 300

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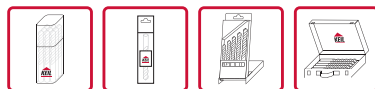


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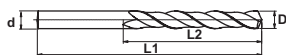
[146+147]

[147]

HSS-E DIN 338 COBALT, GROUND, SPLIT POINT

- Centre punching is not necessary
- Direct drilling without prior centering or drilling of a pilot hole
- Safe pilot hole drilling, even in slanting surfaces, in pipes and welds
- The feeding power is reduced by up to 50 %
- The drill bit facilitates an increase in drilling progress by up to 45 %.
- Even chip removal and reduction of chip friction
- Extremely true running and precise round holes
- No jamming of the main cutting edge and no slipping of the drill bit with through boring holes
- High fracture strength and long tool life
- Reduced friction due to reduced diameter in the shank direction
- Higher breaking strength through conically reinforced drilling core
- Long operating time and fast drilling progress through chemical thermal method of hardening and accurate cross-ground finish
- Due to the alloying addition of 5% Co these drill bits are well-suited for work pieces with a tensile strength of more than 800 N/mm²
- Extra high temperature strength to cope with suboptimal supply of coolant
- Up to 20 % higher durability than identically constructed HSS drill bits used under the same operating conditions

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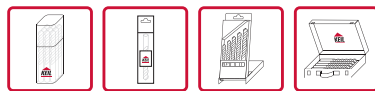


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D ø mm	L2 mm	L1 mm	d ø mm		EAN 4016707...	12345
1,00	12	34	1,0	10	060014	307 000 100
1,10	14	36	1,1	10	064869	307 000 110
1,20	16	38	1,2	10	064876	307 000 120
1,30	16	38	1,3	10	064883	307 000 130
1,40	18	40	1,4	10	064890	307 000 140
1,50	18	40	1,5	10	060069	307 000 150
1,60	20	43	1,6	10	064906	307 000 160
1,70	20	43	1,7	10	064913	307 000 170
1,80	22	46	1,8	10	064920	307 000 180
1,90	22	46	1,9	10	064937	307 000 190
2,00	24	49	2,0	10	060113	307 000 200
2,10	24	49	2,1	10	064944	307 000 210
2,20	27	53	2,2	10	064951	307 000 220
2,30	27	53	2,3	10	064968	307 000 230
2,40	30	57	2,4	10	064975	307 000 240
2,50	30	57	2,5	10	060168	307 000 250
2,60	30	57	2,6	10	064982	307 000 260
2,70	33	61	2,7	10	064999	307 000 270
2,80	33	61	2,8	10	065002	307 000 280
2,90	33	61	2,9	10	065019	307 000 290
3,00	33	61	3,0	10	060212	307 000 300
3,10	36	65	3,1	10	065026	307 000 310
3,20	36	65	3,2	10	060236	307 000 320
3,30	36	65	3,3	10	060243	307 000 330
3,40	39	70	3,4	10	065033	307 000 340
3,50	39	70	3,5	10	060267	307 000 350
3,60	39	70	3,6	10	065040	307 000 360
3,70	39	70	3,7	10	065057	307 000 370
3,80	43	75	3,8	10	065064	307 000 380
3,90	43	75	3,9	10	065071	307 000 390
4,00	43	75	4,0	10	060311	307 000 400
4,10	43	75	4,1	10	060328	307 000 410
4,20	43	75	4,2	10	060335	307 000 420
4,30	47	80	4,3	10	065088	307 000 430
4,40	47	80	4,4	10	065095	307 000 440
4,50	47	80	4,5	10	060366	307 000 450
4,60	47	80	4,6	10	065101	307 000 460
4,70	47	80	4,7	10	065118	307 000 470
4,80	52	86	4,8	10	060397	307 000 480
4,90	52	86	4,9	10	065125	307 000 490
5,00	52	86	5,0	10	060410	307 000 500
5,10	52	86	5,1	10	060427	307 000 510
5,20	52	86	5,2	10	060434	307 000 520
5,30	52	86	5,3	10	065132	307 000 530
5,40	57	93	5,4	10	065149	307 000 540
5,50	57	93	5,5	10	060465	307 000 550