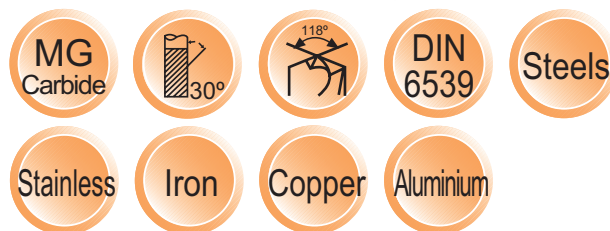




Twist Drills



Carbide VERTEX®



Straight Shank(Order No. VDD13-Dia)

Unit:mm

ORDER NO.	Dc h7	Lc mm	L mm	d mm	CODE NO.
VDD13-1.0	1.0	12	34	1.0	6008-390
VDD13-1.1	1.1	14	36	1.1	6008-391
VDD13-1.2	1.2	16	38	1.2	6008-392
VDD13-1.3	1.3	16	38	1.3	6008-393
VDD13-1.4	1.4	18	40	1.4	6008-394
VDD13-1.5	1.5	18	40	1.5	6008-395
VDD13-1.6	1.6	20	43	1.6	6008-396
VDD13-1.7	1.7	20	43	1.7	6008-397
VDD13-1.8	1.8	22	46	1.8	6008-398
VDD13-1.9	1.9	22	46	1.9	6008-399
VDD13-2.0	2.0	24	49	2.0	6008-400
VDD13-2.1	2.1	24	49	2.1	6008-401
VDD13-2.2	2.2	27	53	2.2	6008-402
VDD13-2.3	2.3	27	53	2.3	6008-403
VDD13-2.4	2.4	30	57	2.4	6008-404
VDD13-2.5	2.5	30	57	2.5	6008-405
VDD13-2.6	2.6	30	57	2.6	6008-406
VDD13-2.7	2.7	33	61	2.7	6008-407
VDD13-2.8	2.8	33	61	2.8	6008-408
VDD13-2.9	2.9	33	61	2.9	6008-409
VDD13-3.0	3.0	33	61	3.0	6008-410
VDD13-3.1	3.1	36	65	3.1	6008-411
VDD13-3.2	3.2	36	65	3.2	6008-412
VDD13-3.3	3.3	36	65	3.3	6008-413
VDD13-3.4	3.4	39	70	3.4	6008-414
VDD13-3.5	3.5	39	70	3.5	6008-415
VDD13-3.6	3.6	39	70	3.6	6008-416
VDD13-3.7	3.7	39	70	3.7	6008-417
VDD13-3.8	3.8	43	75	3.8	6008-418
VDD13-3.9	3.9	43	75	3.9	6008-419
VDD13-4.0	4.0	43	75	4.0	6008-420
VDD13-4.1	4.1	43	75	4.1	6008-421
VDD13-4.2	4.2	43	75	4.2	6008-422
VDD13-4.3	4.3	47	80	4.3	6008-423
VDD13-4.4	4.4	47	80	4.4	6008-424
VDD13-4.5	4.5	47	80	4.5	6008-425
VDD13-4.6	4.6	47	80	4.6	6008-426
VDD13-4.7	4.7	47	80	4.7	6008-427
VDD13-4.8	4.8	52	86	4.8	6008-428
VDD13-4.9	4.9	52	86	4.9	6008-429
VDD13-5.0	5.0	52	86	5.0	6008-430
VDD13-5.1	5.1	52	86	5.1	6008-431
VDD13-5.2	5.2	52	86	5.2	6008-432
VDD13-5.3	5.3	52	86	5.3	6008-433
VDD13-5.4	5.4	57	93	5.4	6008-434
VDD13-5.5	5.5	57	93	5.5	6008-435
VDD13-5.6	5.6	57	93	5.6	6008-436
VDD13-5.7	5.7	57	93	5.7	6008-437
VDD13-5.8	5.8	57	93	5.8	6008-438
VDD13-5.9	5.9	57	93	5.9	6008-439

Work Material / Velocity m/min

GR.1 Non alloyed steels Alloyed Steels	GR.6 Iron	GR.9 Copper	GR.10 Aluminium	GR.11 Plastics
50-80	70-100	100-180	100-250	80-200

ORDER NO.	Dc h7	Lc mm	L mm	d mm	CODE NO.
VDD13-6.0	6.0	57	93	6.0	6008-440
VDD13-6.1	6.1	63	101	6.1	6008-441
VDD13-6.2	6.2	63	101	6.2	6008-442
VDD13-6.3	6.3	63	101	6.3	6008-443
VDD13-6.4	6.4	63	101	6.4	6008-444
VDD13-6.5	6.5	63	101	6.5	6008-445
VDD13-6.6	6.6	63	101	6.6	6008-446
VDD13-6.7	6.7	63	101	6.7	6008-447
VDD13-6.8	6.8	69	109	6.8	6008-448
VDD13-6.9	6.9	69	109	6.9	6008-449
VDD13-7.0	7.0	69	109	7.0	6008-450
VDD13-7.1	7.1	69	109	7.1	6008-451
VDD13-7.2	7.2	69	109	7.2	6008-452
VDD13-7.3	7.3	69	109	7.3	6008-453
VDD13-7.4	7.4	69	109	7.4	6008-454
VDD13-7.5	7.5	69	109	7.5	6008-455
VDD13-7.6	7.6	75	117	7.6	6008-456
VDD13-7.7	7.7	75	117	7.7	6008-457
VDD13-7.8	7.8	75	117	7.8	6008-458
VDD13-7.9	7.9	75	117	7.9	6008-459
VDD13-8.0	8.0	75	117	8.0	6008-460
VDD13-8.1	8.1	75	117	8.1	6008-461
VDD13-8.2	8.2	75	117	8.2	6008-462
VDD13-8.3	8.3	75	117	8.3	6008-463
VDD13-8.4	8.4	75	117	8.4	6008-464
VDD13-8.5	8.5	75	117	8.5	6008-465
VDD13-8.6	8.6	81	125	8.6	6008-466
VDD13-8.7	8.7	81	125	8.7	6008-467
VDD13-8.8	8.8	81	125	8.8	6008-468
VDD13-8.9	8.9	81	125	8.9	6008-469
VDD13-9.0	9.0	81	125	9.0	6008-470
VDD13-9.1	9.1	81	125	9.1	6008-471
VDD13-9.2	9.2	81	125	9.2	6008-472
VDD13-9.3	9.3	81	125	9.3	6008-473
VDD13-9.4	9.4	81	125	9.4	6008-474
VDD13-9.5	9.5	81	125	9.5	6008-475
VDD13-9.6	9.6	87	133	9.6	6008-476
VDD13-9.7	9.7	87	133	9.7	6008-477
VDD13-9.8	9.8	87	133	9.8	6008-478
VDD13-9.9	9.9	87	133	9.9	6008-479
VDD13-10.0	10.0	87	133	10.0	6008-480
VDD13-10.2	10.2	87	133	10.2	6008-481
VDD13-10.5	10.5	87	133	10.5	6008-482
VDD13-11.0	11.0	94	142	11.0	6008-483
VDD13-11.5	11.5	94	142	11.5	6008-484
VDD13-12.0	12.0	101	151	12.0	6008-485
VDD13-13.0	13.0	101	151	13.0	6008-486



High Performance Drills

Carbide



VERTEX®



Straight Shank(Order No. VDD30-Dia)

Unit:mm

ORDER NO.	Dc h7	Lc mm	L mm	d mm	CODE NO.
VDD30-2.0	2.0	12	38	2.0	6008-500
VDD30-2.1	2.1	12	38	2.1	6008-501
VDD30-2.2	2.2	13	40	2.2	6008-502
VDD30-2.3	2.3	13	40	2.3	6008-503
VDD30-2.4	2.4	14	43	2.4	6008-504
VDD30-2.5	2.5	14	43	2.5	6008-505
VDD30-2.6	2.6	14	43	2.6	6008-506
VDD30-2.7	2.7	16	46	2.7	6008-507
VDD30-2.8	2.8	16	46	2.8	6008-508
VDD30-2.9	2.9	16	46	2.9	6008-509
VDD30-3.0	3.0	16	46	3.0	6008-510
VDD30-3.1	3.1	18	49	3.1	6008-511
VDD30-3.2	3.2	18	49	3.2	6008-512
VDD30-3.3	3.3	18	49	3.3	6008-513
VDD30-3.4	3.4	20	52	3.4	6008-514
VDD30-3.5	3.5	20	52	3.5	6008-515
VDD30-3.6	3.6	20	52	3.6	6008-516
VDD30-3.7	3.7	20	52	3.7	6008-517
VDD30-3.8	3.8	22	55	3.8	6008-518
VDD30-3.9	3.9	22	55	3.9	6008-519
VDD30-4.0	4.0	22	55	4.0	6008-520
VDD30-4.1	4.1	22	55	4.1	6008-521
VDD30-4.2	4.2	22	55	4.2	6008-522
VDD30-4.3	4.3	24	58	4.3	6008-523
VDD30-4.4	4.4	24	58	4.4	6008-524
VDD30-4.5	4.5	24	58	4.5	6008-525
VDD30-4.6	4.6	24	58	4.6	6008-526
VDD30-4.7	4.7	24	58	4.7	6008-527
VDD30-4.8	4.8	26	62	4.8	6008-528
VDD30-4.9	4.9	26	62	4.9	6008-529
VDD30-5.0	5.0	26	62	5.0	6008-530
VDD30-5.1	5.1	26	62	5.1	6008-531
VDD30-5.2	5.2	26	62	5.2	6008-532
VDD30-5.3	5.3	26	62	5.3	6008-533
VDD30-5.4	5.4	28	66	5.4	6008-534
VDD30-5.5	5.5	28	66	5.5	6008-535
VDD30-5.6	5.6	28	66	5.6	6008-536
VDD30-5.7	5.7	28	66	5.7	6008-537
VDD30-5.8	5.8	28	66	5.8	6008-538
VDD30-5.9	5.9	28	66	5.9	6008-539
VDD30-6.0	6.0	28	66	6.0	6008-540
VDD30-6.1	6.1	31	70	6.1	6008-541
VDD30-6.2	6.2	31	70	6.2	6008-542
VDD30-6.3	6.3	31	70	6.3	6008-543
VDD30-6.4	6.4	31	70	6.4	6008-544
VDD30-6.5	6.5	31	70	6.5	6008-545
VDD30-6.6	6.6	31	70	6.6	6008-546
VDD30-6.7	6.7	31	70	6.7	6008-547
VDD30-6.8	6.8	34	74	6.8	6008-548
VDD30-6.9	6.9	34	74	6.9	6008-549

Work Material / Velocity m/min

GR.1 Non alloyed steels Alloyed Steels	GR.2 Heat resistant steels Stainless steels	GR.3 Hardened steels < 48 HRC	GR.4 Hardened steels 48-56 HRC	GR.6 Iron
70-100	30-50	20-30	10-20	90-130
GR.7 Titanium	GR.8 Nickel	GR.9 Copper	GR.10 Aluminium	
25-45	20-45	130-230	130-300	

ORDER NO.	Dc h7	Lc mm	L mm	d mm	CODE NO.
VDD30-7.0	7.0	34	74	7.0	6008-550
VDD30-7.1	7.1	34	74	7.1	6008-551
VDD30-7.2	7.2	34	74	7.2	6008-552
VDD30-7.3	7.3	34	74	7.3	6008-553
VDD30-7.4	7.4	34	74	7.4	6008-554
VDD30-7.5	7.5	34	74	7.5	6008-555
VDD30-7.6	7.6	37	79	7.6	6008-556
VDD30-7.7	7.7	37	79	7.7	6008-557
VDD30-7.8	7.8	37	79	7.8	6008-558
VDD30-7.9	7.9	37	79	7.9	6008-559
VDD30-8.0	8.0	37	79	8.0	6008-560
VDD30-8.1	8.1	37	79	8.1	6008-561
VDD30-8.2	8.2	37	79	8.2	6008-562
VDD30-8.3	8.3	37	79	8.3	6008-563
VDD30-8.4	8.4	37	79	8.4	6008-564
VDD30-8.5	8.5	37	79	8.5	6008-565
VDD30-8.6	8.6	40	84	8.6	6008-566
VDD30-8.7	8.7	40	84	8.7	6008-567
VDD30-8.8	8.8	40	84	8.8	6008-568
VDD30-8.9	8.9	40	84	8.9	6008-569
VDD30-9.0	9.0	40	84	9.0	6008-570
VDD30-9.1	9.1	40	84	9.1	6008-571
VDD30-9.2	9.2	40	84	9.2	6008-572
VDD30-9.3	9.3	40	84	9.3	6008-573
VDD30-9.4	9.4	40	84	9.4	6008-574
VDD30-9.5	9.5	40	84	9.5	6008-575
VDD30-9.6	9.6	43	89	9.6	6008-576
VDD30-9.7	9.7	43	89	9.7	6008-577
VDD30-9.8	9.8	43	89	9.8	6008-578
VDD30-9.9	9.9	43	89	9.9	6008-579
VDD30-10.0	10.0	43	89	10.0	6008-580
VDD30-10.2	10.2	43	89	10.2	6008-581
VDD30-10.5	10.5	43	89	10.5	6008-582
VDD30-10.8	10.8	47	95	10.8	6008-583
VDD30-11.0	11.0	47	95	11.0	6008-584
VDD30-11.5	11.5	47	95	11.5	6008-585
VDD30-12.0	12.0	51	102	12.0	6008-586
VDD30-12.5	12.5	51	102	12.5	6008-587
VDD30-13.0	13.0	51	102	13.0	6008-588

PERFORMANCE DRILLS

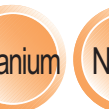
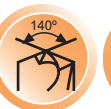


High Performance Drills

Carbide



VERTEX®



Stud Length(Order No. VDD31-Dia)

Unit:mm

ORDER NO.	Dc h7	Lc mm	L mm	d h6	Ld mm	d mm	CODE NO.
VDD31-3.0	3.0	20	62	6	36	3.0	6008-600
VDD31-3.1	3.1	20	62	6	36	3.1	6008-601
VDD31-3.2	3.2	20	62	6	36	3.2	6008-602
VDD31-3.3	3.3	20	62	6	36	3.3	6008-603
VDD31-3.4	3.4	20	62	6	36	3.4	6008-604
VDD31-3.5	3.5	20	62	6	36	3.5	6008-605
VDD31-3.6	3.6	20	62	6	36	3.6	6008-606
VDD31-3.7	3.7	20	62	6	36	3.7	6008-607
VDD31-3.8	3.8	24	66	6	36	3.8	6008-608
VDD31-3.9	3.9	24	66	6	36	3.9	6008-609
VDD31-4.0	4.0	24	66	6	36	4.0	6008-610
VDD31-4.1	4.1	24	66	6	36	4.1	6008-611
VDD31-4.2	4.2	24	66	6	36	4.2	6008-612
VDD31-4.3	4.3	24	66	6	36	4.3	6008-613
VDD31-4.4	4.4	24	66	6	36	4.4	6008-614
VDD31-4.5	4.5	24	66	6	36	4.5	6008-615
VDD31-4.6	4.6	24	66	6	36	4.6	6008-616
VDD31-4.7	4.7	24	66	6	36	4.7	6008-617
VDD31-4.8	4.8	28	66	6	36	4.8	6008-618
VDD31-4.9	4.9	28	66	6	36	4.9	6008-619
VDD31-5.0	5.0	28	66	6	36	5.0	6008-620
VDD31-5.1	5.1	28	66	6	36	5.1	6008-621
VDD31-5.2	5.2	28	66	6	36	5.2	6008-622
VDD31-5.3	5.3	28	66	6	36	5.3	6008-623
VDD31-5.4	5.4	28	66	6	36	5.4	6008-624
VDD31-5.5	5.5	28	66	6	36	5.5	6008-625
VDD31-5.6	5.6	28	66	6	36	5.6	6008-626
VDD31-5.7	5.7	28	66	6	36	5.7	6008-627
VDD31-5.8	5.8	28	66	6	36	5.8	6008-628
VDD31-5.9	5.9	28	66	6	36	5.9	6008-629
VDD31-6.0	6.0	28	66	6	36	6.0	6008-630
VDD31-6.1	6.1	34	79	8	36	6.1	6008-631
VDD31-6.2	6.2	34	79	8	36	6.2	6008-632
VDD31-6.3	6.3	34	79	8	36	6.3	6008-633
VDD31-6.4	6.4	34	79	8	36	6.4	6008-634
VDD31-6.5	6.5	34	79	8	36	6.5	6008-635
VDD31-6.6	6.6	34	79	8	36	6.6	6008-636
VDD31-6.7	6.7	34	79	8	36	6.7	6008-637
VDD31-6.8	6.8	34	79	8	36	6.8	6008-638
VDD31-6.9	6.9	34	79	8	36	6.9	6008-639
VDD31-7.0	7.0	34	79	8	36	7.0	6008-640
VDD31-7.1	7.1	41	79	8	36	7.1	6008-641
VDD31-7.2	7.2	41	79	8	36	7.2	6008-642
VDD31-7.3	7.3	41	79	8	36	7.3	6008-643
VDD31-7.4	7.4	41	79	8	36	7.4	6008-644
VDD31-7.5	7.5	41	79	8	36	7.5	6008-645
VDD31-7.6	7.6	41	79	8	36	7.6	6008-646
VDD31-7.7	7.7	41	79	8	36	7.7	6008-647
VDD31-7.8	7.8	41	79	8	36	7.8	6008-648
VDD31-7.9	7.9	41	79	8	36	7.9	6008-649

Work Material / Velocity m/min

GR.1 Non alloyed steels Alloyed Steels	GR.2 Heat resistant steels Stainless steels	GR.3 Hardened steels < 48 HRC	GR.4 Hardened steels 48-56 HRC	GR.6 Iron
80-180	45-60	40-60	15-35	90-130
GR.7 Titanium	GR.8 Nickel	GR.9 Copper	GR.10 Aluminium	
35-45	30-45	130-230	130-300	

ORDER NO.	Dc h7	Lc mm	L mm	d h6	Ld mm	d mm	CODE NO.
VDD31-8.0	8.0	41	79	8	36	8.0	6008-650
VDD31-8.1	8.1	47	89	10	40	8.1	6008-651
VDD31-8.2	8.2	47	89	10	40	8.2	6008-652
VDD31-8.3	8.3	47	89	10	40	8.3	6008-653
VDD31-8.4	8.4	47	89	10	40	8.4	6008-654
VDD31-8.5	8.5	47	89	10	40	8.5	6008-655
VDD31-8.6	8.6	47	89	10	40	8.6	6008-656
VDD31-8.7	8.7	47	89	10	40	8.7	6008-657
VDD31-8.8	8.8	47	89	10	40	8.8	6008-658
VDD31-8.9	8.9	47	89	10	40	8.9	6008-659
VDD31-9.0	9.0	47	89	10	40	9.0	6008-660
VDD31-9.1	9.1	47	89	10	40	9.1	6008-661
VDD31-9.2	9.2	47	89	10	40	9.2	6008-662
VDD31-9.3	9.3	47	89	10	40	9.3	6008-663
VDD31-9.4	9.4	47	89	10	40	9.4	6008-664
VDD31-9.5	9.5	47	89	10	40	9.5	6008-665
VDD31-9.6	9.6	47	89	10	40	9.6	6008-666
VDD31-9.7	9.7	47	89	10	40	9.7	6008-667
VDD31-9.8	9.8	47	89	10	40	9.8	6008-668
VDD31-9.9	9.9	47	89	10	40	9.9	6008-669
VDD31-10.0	10.0	47	89	10	40	10.0	6008-670
VDD31-10.2	10.2	55	102	12	45	10.2	6008-671
VDD31-10.5	10.5	55	102	12	45	10.5	6008-672
VDD31-10.8	10.8	55	102	12	45	10.8	6008-673
VDD31-11.0	11.0	55	102	12	45	11.0	6008-674
VDD31-11.5	11.5	55	102	12	45	11.5	6008-675
VDD31-12.0	12.0	55	102	12	45	12.0	6008-676
VDD31-12.5	12.5	60	107	14	45	12.5	6008-677
VDD31-13.0	13.0	60	107	14	45	13.0	6008-678
VDD31-13.5	13.5	60	107	14	45	13.5	6008-679
VDD31-14.0	14.0	60	107	14	45	14.0	6008-680
VDD31-14.5	14.5	65	115	16	48	14.5	6008-681
VDD31-15.0	15.0	65	115	16	48	15.0	6008-682
VDD31-15.5	15.5	65	115	16	48	15.5	6008-683
VDD31-16.0	16.0	65	115	16	48	16.0	6008-684
VDD31-16.5	16.5	73	123	18	48	16.5	6008-685
VDD31-17.0	17.0	73	123	18	48	17.0	6008-686
VDD31-17.5	17.5	73	123	18	48	17.5	6008-687
VDD31-18.0	18.0	73	123	18	48	18.0	6008-688
VDD31-18.5	18.5	79	131	20	50	18.5	6008-689
VDD31-19.0	19.0	79	131	20	50	19.0	6008-690
VDD31-19.5	19.5	79	131	20	50	19.5	6008-691
VDD31-20.0	20.0	79	131	20	50	20.0	6008-692



High Performance Drills

Carbide



VERTEX®



Standard Length(Order No. VDD32-Dia)

Unit:mm

ORDER NO.	Dc h7	Lc mm	L mm	d h6	Ld mm	d mm	CODE NO.
VDD32-3.0	3.0	28	66	6	36	3.0	6008-700
VDD32-3.1	3.1	28	66	6	36	3.1	6008-701
VDD32-3.2	3.2	28	66	6	36	3.2	6008-702
VDD32-3.3	3.3	28	66	6	36	3.3	6008-703
VDD32-3.4	3.4	28	66	6	36	3.4	6008-704
VDD32-3.5	3.5	28	66	6	36	3.5	6008-705
VDD32-3.6	3.6	28	66	6	36	3.6	6008-706
VDD32-3.7	3.7	28	66	6	36	3.7	6008-707
VDD32-3.8	3.8	36	74	6	36	3.8	6008-708
VDD32-3.9	3.9	36	74	6	36	3.9	6008-709
VDD32-4.0	4.0	36	74	6	36	4.0	6008-710
VDD32-4.1	4.1	36	74	6	36	4.1	6008-711
VDD32-4.2	4.2	36	74	6	36	4.2	6008-712
VDD32-4.3	4.3	36	74	6	36	4.3	6008-713
VDD32-4.4	4.4	36	74	6	36	4.4	6008-714
VDD32-4.5	4.5	36	74	6	36	4.5	6008-715
VDD32-4.6	4.6	36	74	6	36	4.6	6008-716
VDD32-4.7	4.7	36	74	6	36	4.7	6008-717
VDD32-4.8	4.8	44	82	6	36	4.8	6008-718
VDD32-4.9	4.9	44	82	6	36	4.9	6008-719
VDD32-5.0	5.0	44	82	6	36	5.0	6008-720
VDD32-5.1	5.1	44	82	6	36	5.1	6008-721
VDD32-5.2	5.2	44	82	6	36	5.2	6008-722
VDD32-5.3	5.3	44	82	6	36	5.3	6008-723
VDD32-5.4	5.4	44	82	6	36	5.4	6008-724
VDD32-5.5	5.5	44	82	6	36	5.5	6008-725
VDD32-5.6	5.6	44	82	6	36	5.6	6008-726
VDD32-5.7	5.7	44	82	6	36	5.7	6008-727
VDD32-5.8	5.8	44	82	6	36	5.8	6008-728
VDD32-5.9	5.9	44	82	6	36	5.9	6008-729
VDD32-6.0	6.0	44	82	6	36	6.0	6008-730
VDD32-6.1	6.1	53	91	8	36	6.1	6008-731
VDD32-6.2	6.2	53	91	8	36	6.2	6008-732
VDD32-6.3	6.3	53	91	8	36	6.3	6008-733
VDD32-6.4	6.4	53	91	8	36	6.4	6008-734
VDD32-6.5	6.5	53	91	8	36	6.5	6008-735
VDD32-6.6	6.6	53	91	8	36	6.6	6008-736
VDD32-6.7	6.7	53	91	8	36	6.7	6008-737
VDD32-6.8	6.8	53	91	8	36	6.8	6008-738
VDD32-6.9	6.9	53	91	8	36	6.9	6008-739
VDD32-7.0	7.0	53	91	8	36	7.0	6008-740
VDD32-7.1	7.1	53	91	8	36	7.1	6008-741
VDD32-7.2	7.2	53	91	8	36	7.2	6008-742
VDD32-7.3	7.3	53	91	8	36	7.3	6008-743
VDD32-7.4	7.4	53	91	8	36	7.4	6008-744
VDD32-7.5	7.5	53	91	8	36	7.5	6008-745
VDD32-7.6	7.6	53	91	8	36	7.6	6008-746
VDD32-7.7	7.7	53	91	8	36	7.7	6008-747
VDD32-7.8	7.8	53	91	8	36	7.8	6008-748
VDD32-7.9	7.9	53	91	8	36	7.9	6008-749

Work Material / Velocity m/min

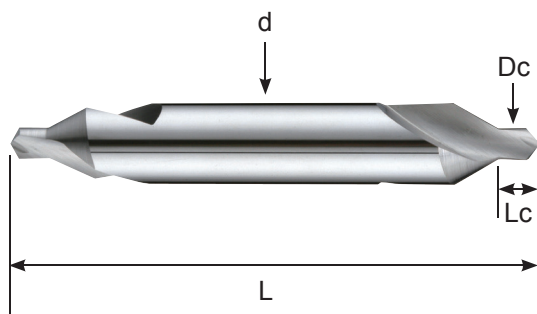
GR.1 Non alloyed steels Alloyed Steels	GR.2 Heat resistant steels Stainless steels	GR.3 Hardened steels < 48 HRC	GR.4 Hardened steels 48-56 HRC	GR.6 Iron
80-180	45-60	40-60	15-35	90-130
GR.7 Titanium	GR.8 Nickel	GR.9 Copper	GR.10 Aluminium	
35-45	30-45	130-230	130-300	

ORDER NO.	Dc h7	Lc mm	L mm	d h6	Ld mm	d mm	CODE NO.
VDD32-8.0	8.0	53	91	8	36	8.0	6008-750
VDD32-8.1	8.1	61	103	10	40	8.1	6008-751
VDD32-8.2	8.2	61	103	10	40	8.2	6008-752
VDD32-8.3	8.3	61	103	10	40	8.3	6008-753
VDD32-8.4	8.4	61	103	10	40	8.4	6008-754
VDD32-8.5	8.5	61	103	10	40	8.5	6008-755
VDD32-8.6	8.6	61	103	10	40	8.6	6008-756
VDD32-8.7	8.7	61	103	10	40	8.7	6008-757
VDD32-8.8	8.8	61	103	10	40	8.8	6008-758
VDD32-8.9	8.9	61	103	10	40	8.9	6008-759
VDD32-9.0	9.0	61	103	10	40	9.0	6008-760
VDD32-9.1	9.1	61	103	10	40	9.1	6008-761
VDD32-9.2	9.2	61	103	10	40	9.2	6008-762
VDD32-9.3	9.3	61	103	10	40	9.3	6008-763
VDD32-9.4	9.4	61	103	10	40	9.4	6008-764
VDD32-9.5	9.5	61	103	10	40	9.5	6008-765
VDD32-9.6	9.6	61	103	10	40	9.6	6008-766
VDD32-9.7	9.7	61	103	10	40	9.7	6008-767
VDD32-9.8	9.8	61	103	10	40	9.8	6008-768
VDD32-9.9	9.9	61	103	10	40	9.9	6008-769
VDD32-10.0	10.0	61	103	10	40	10.0	6008-770
VDD32-10.2	10.2	71	118	12	45	10.2	6008-771
VDD32-10.5	10.5	71	118	12	45	10.5	6008-772
VDD32-10.8	10.8	71	118	12	45	10.8	6008-773
VDD32-11.0	11.0	71	118	12	45	11.0	6008-774
VDD32-11.5	11.5	71	118	12	45	11.5	6008-775
VDD32-12.0	12.0	71	118	12	45	12.0	6008-776
VDD32-12.5	12.5	77	124	14	45	12.5	6008-777
VDD32-13.0	13.0	77	124	14	45	13.0	6008-778
VDD32-13.5	13.5	77	124	14	45	13.5	6008-779
VDD32-14.0	14.0	77	124	14	45	14.0	6008-780
VDD32-14.5	14.5	83	133	16	48	14.5	6008-781
VDD32-15.0	15.0	83	133	16	48	15.0	6008-782
VDD32-15.5	15.5	83	133	16	48	15.5	6008-783
VDD32-16.0	16.0	83	133	16	48	16.0	6008-784
VDD32-16.5	16.5	93	143	18	48	16.5	6008-785
VDD32-17.0	17.0	93	143	18	48	17.0	6008-786
VDD32-17.5	17.5	93	143	18	48	17.5	6008-787
VDD32-18.0	18.0	93	143	18	48	18.0	6008-788
VDD32-18.5	18.5	101	153	20	50	18.5	6008-789
VDD32-19.0	19.0	101	153	20	50	19.0	6008-790
VDD32-19.5	19.5	101	153	20	50	19.5	6008-791
VDD32-20.0	20.0	101	153	20	50	20.0	6008-792

PERFORMANCE DRILLS



Combined Drill And Countersink


VERTEX®
Carbide


Work Material / Velocity m/min

GR.1 Non alloyed steels Alloyed Steels	GR.2 Heat resistant steels Stainless steels	GR.3 Hardened steels < 48 HRC	GR.4 Hardened steels 48-56 HRC	GR.6 Iron
30-80	20-60	15-25	10-20	40-100
GR.7 Titanium	GR.8 Nickel	GR.9 Copper	GR.10 Aluminium	
20-40	15-40	60-300	80-400	

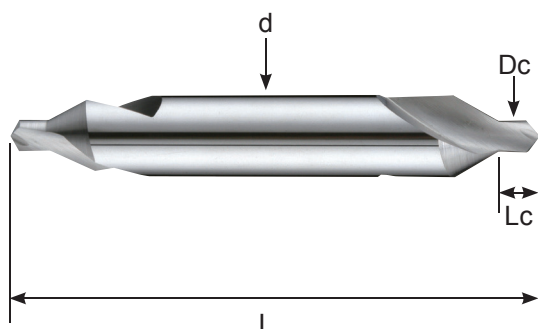
Standard Length(Order No. VDT08-Dia)

Unit:mm

ORDER NO.	Dc h7	Lc mm	L mm	d h6	CODE NO.
VDT08-0.50	0.50	0.8	38	3	6008-800
VDT08-0.80	0.80	1.1	38	3	6008-801
VDT08-1.00	1.00	1.3	38	3	6008-802
VDT08-1.25	1.25	1.6	38	3	6008-803
VDT08-1.60	1.60	2.0	38	4	6008-804
VDT08-2.00	2.00	2.5	50	5	6008-805
VDT08-2.50	2.50	3.1	50	6	6008-806
VDT08-3.15	3.15	3.9	63	8	6008-807
VDT08-4.00	4.00	5.0	66	10	6008-808
VDT08-5.00	5.00	6.3	73	12	6008-809



Combined Drill And Countersink

Material: 6542A **HSS** DIN333


Work Material / Velocity m/min

GR.1 Non alloyed steels Alloyed Steels	GR.2 Heat resistant steels Stainless steels	GR.3 Hardened steels < 48 HRC	GR.4 Hardened steels 48-56 HRC	GR.6 Iron
30-80	20-60	15-25	10-20	40-100
GR.7 Titanium	GR.8 Nickel	GR.9 Copper	GR.10 Aluminium	
20-40	15-40	60-300	80-400	

ORDER NO.	Dc	Lc	L	d	CODE NO.
VDS-1.6	1.6	2	35.5	4	6008-840
VDS-2.0	2.0	2.5	40	5	6008-841
VDS-2.5	2.5	3.1	45	6.3	6008-842
VDS-3.15	3.15	3.9	50	8	6008-843
VDS-4.0	4.0	5	56	10	6008-844