



High Performance Drills

Carbide



UMG
Carbide

TiAlN
F-TOP

3XD

140°

DIN
6537K

Steels

Stainless

<48
HRC

45-56
HRC

Iron

Titanium

Nickel



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



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