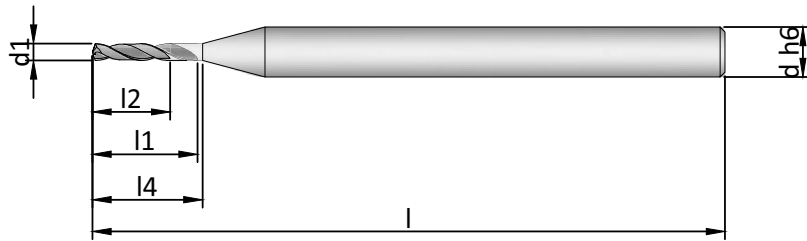
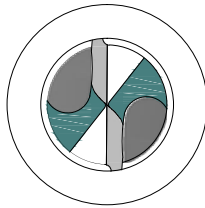


4 x d1



Alu	Alu > 9% Si	Steel < 1000 N/mm ²	Steel < 1000-1400 N/mm ²	Stainless Steel	Ni-Cr Alloy	GG	GGG	Copper	Brass	Titanium	Plastic
○	○	●	●	○	●	●	●	○	○	●	○

● Optimum ○ Good

VHM DM-21

Z=2

RH



Type-HA



HSC

order no	d1 ^{+0.000/-0.005}	l2	l1	l4	l	d
633.050	0.50	2.13	3.00	3.15	38	3.0
633.055	0.55	2.34	3.30	3.47	38	3.0
633.060	0.60	2.55	3.60	3.78	38	3.0
633.065	0.65	2.76	3.90	4.10	38	3.0
633.070	0.70	2.98	4.20	4.41	38	3.0
633.075	0.75	3.19	4.50	4.73	38	3.0
633.078	0.78	3.32	5.00	5.25	38	3.0
633.079	0.79	3.36	5.00	5.25	38	3.0
633.080	0.80	3.40	5.00	5.25	38	3.0
633.081	0.81	3.44	5.00	5.25	38	3.0
633.082	0.82	3.49	5.00	5.25	38	3.0
633.083	0.83	3.53	5.00	5.25	38	3.0
633.084	0.84	3.57	5.00	5.25	38	3.0
633.085	0.85	3.61	5.00	5.25	38	3.0
633.086	0.86	3.66	5.00	5.25	38	3.0
633.087	0.87	3.70	5.00	5.25	38	3.0
633.088	0.88	3.74	5.00	5.25	38	3.0
633.089*	0.89	3.78	5.00	5.25	38	3.0
633.090	0.90	3.83	5.00	5.25	38	3.0
633.091*	0.91	3.87	6.00	6.30	38	3.0
633.092	0.92	3.91	6.00	6.30	38	3.0
633.093	0.93	3.95	6.00	6.30	38	3.0
633.094	0.94	4.00	6.00	6.30	38	3.0
633.095	0.95	4.04	6.00	6.30	38	3.0
633.096	0.96	4.08	6.00	6.30	38	3.0
633.097	0.97	4.12	6.00	6.30	38	3.0
633.098*	0.98	4.17	6.00	6.30	38	3.0
633.099	0.99	4.21	6.00	6.30	38	3.0
633.100	1.00	4.25	6.00	6.30	38	3.0
633.101	1.01	4.29	6.00	6.30	38	3.0
633.102	1.02	4.34	6.00	6.30	38	3.0
633.103	1.03	4.38	6.00	6.30	38	3.0
633.104*	1.04	4.42	6.00	6.30	38	3.0
633.105	1.05	4.46	6.00	6.30	38	3.0
633.106	1.06	4.51	6.00	6.30	38	3.0
633.107*	1.07	4.55	6.00	6.30	38	3.0
633.108*	1.08	4.59	6.00	6.30	38	3.0
633.109	1.09	4.63	6.00	6.30	38	3.0

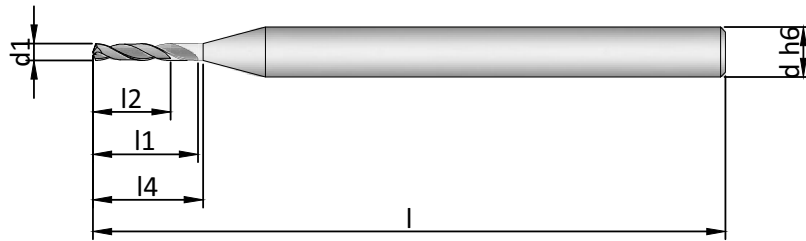
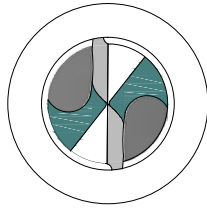
order no	d1 ^{+0.000/-0.005}	l2	l1	l4	l	d
633.110	1.10	4.68	7.00	7.35	38	3.0
633.111	1.11	4.72	7.00	7.35	38	3.0
633.112*	1.12	4.76	7.00	7.35	38	3.0
633.113	1.13	4.48	7.00	7.35	38	3.0
633.114	1.14	4.85	7.00	7.35	38	3.0
633.115	1.15	4.89	7.00	7.35	38	3.0
633.116	1.16	4.93	7.00	7.35	38	3.0
633.117	1.17	4.97	7.00	7.35	38	3.0
633.118	1.18	5.02	7.00	7.35	38	3.0
633.119*	1.19	5.06	7.00	7.35	38	3.0
633.120	1.20	5.10	7.00	7.35	38	3.0
633.121	1.21	5.14	7.00	7.35	38	3.0
633.122	1.22	5.19	7.00	7.35	38	3.0
633.123*	1.23	5.23	7.00	7.35	38	3.0
633.124	1.24	5.27	7.00	7.35	38	3.0
633.125	1.25	5.31	7.00	7.35	38	3.0
633.126	1.26	5.36	7.00	7.35	38	3.0
633.127	1.27	5.40	7.00	7.35	38	3.0
633.128	1.28	5.44	8.00	8.40	38	3.0
633.129	1.29	5.48	8.00	8.40	38	3.0
633.130	1.30	5.53	8.00	8.40	38	3.0
633.131	1.31	5.57	8.00	8.40	38	3.0
633.132	1.32	5.61	8.00	8.40	38	3.0
633.133	1.33	5.65	8.00	8.40	38	3.0
633.134	1.34	5.70	8.00	8.40	38	3.0
633.135	1.35	5.74	8.00	8.40	38	3.0
633.136	1.36	5.78	8.00	8.40	38	3.0
633.137*	1.37	5.82	8.00	8.40	38	3.0
633.138	1.38	5.87	8.00	8.40	38	3.0
633.139*	1.39	5.91	8.00	8.40	38	3.0
633.140	1.40	5.95	8.00	8.40	38	3.0
633.141	1.41	5.99	8.00	8.40	38	3.0
633.142	1.42	6.04	8.00	8.40	38	3.0
633.143	1.43	6.08	8.00	8.40	38	3.0
633.144	1.44	6.12	8.00	8.40	38	3.0
633.145	1.45	6.16	8.00	8.40	45	3.0
633.146	1.46	6.21	9.00	9.45	45	3.0
633.147	1.47	6.25	9.00	9.45	45	3.0

- DIAMETER TOLERANCE IS BEFORE COATING
- EDGE PREPARATION INCLUDED
- COATING ON REQUEST
- LASER MARKING ON REQUEST
- * NO STOCK-ON SHORT DELIVERY
- SPECIAL DIAMETERS & LENGTHS ON REQUEST

• Ø 1.45-Ø 3.00 OVER ALL LENGTH CHANGED FROM 38mm TO 45mm.
SOME STOCK MAY BE DELIVERED WITH 38mm OAL

633 TURBODRILL SHORT

4 x d1



Alu	Alu > 9% Si	Steel < 1000 N/mm ²	Steel < 1000-1400 N/mm ²	Stainless Steel	Ni-Cr Alloy	GG	GGG	Copper	Brass	Titanium	Plastic
○	○	●	●	○	●	●	●	○	○	●	○

● Optimum ○ Good

order no	d1 ^{+0.000/-0.005}	l2	l1	l4	l	d
633.148	1.48	6.29	9.00	9.45	45	3.0
633.150	1.50	6.38	9.00	9.45	45	3.0
633.151	1.51	6.42	9.00	9.45	45	3.0
633.152	1.52	6.46	9.00	9.45	45	3.0
633.153	1.53	6.50	9.00	9.45	45	3.0
633.154	1.54	6.55	9.00	9.45	45	3.0
633.155	1.55	6.59	9.00	9.45	45	3.0
633.156	1.56	6.63	9.00	9.45	45	3.0
633.157	1.57	6.67	9.00	9.45	45	3.0
633.158	1.58	6.72	9.00	9.45	45	3.0
633.159*	1.59	6.76	9.00	9.45	45	3.0
633.160	1.60	6.80	9.00	9.45	45	3.0
633.161	1.61	6.84	9.00	9.45	45	3.0
633.162	1.62	6.89	9.00	9.45	45	3.0
633.163	1.63	6.93	9.00	9.45	45	3.0
633.164	1.64	6.97	10.00	10.50	45	3.0
633.165	1.65	7.01	10.00	10.50	45	3.0
633.166	1.66	7.06	10.00	10.50	45	3.0
633.167	1.67	7.10	10.00	10.50	45	3.0
633.168	1.68	7.14	10.00	10.50	45	3.0
633.169	1.69	7.18	10.00	10.50	45	3.0
633.170	1.70	7.23	10.00	10.50	45	3.0
633.171	1.71	7.27	10.00	10.50	45	3.0
633.172	1.72	7.31	10.00	10.50	45	3.0
633.173*	1.73	7.35	10.00	10.50	45	3.0
633.174	1.74	7.40	10.00	10.50	45	3.0
633.175	1.75	7.44	10.00	10.50	45	3.0
633.176*	1.76	7.48	10.00	10.50	45	3.0
633.177*	1.77	7.52	10.00	10.50	45	3.0
633.178	1.78	7.57	10.00	10.50	45	3.0
633.179*	1.79	7.61	10.00	10.50	45	3.0
633.180	1.80	7.65	10.00	10.50	45	3.0
633.181*	1.81	7.69	10.00	10.50	45	3.0
633.182	1.82	7.74	11.00	11.55	45	3.0
633.183*	1.83	7.78	11.00	11.55	45	3.0
633.184*	1.84	7.82	11.00	11.55	45	3.0
633.185	1.85	7.86	11.00	11.55	45	3.0
633.186	1.86	7.91	11.00	11.55	45	3.0

order no	d1 ^{+0.000/-0.005}	l2	l1	l4	l	d
633.187*	1.87	7.95	11.00	11.55	45	3.0
633.188	1.88	7.99	11.00	11.55	45	3.0
633.189*	1.89	8.03	11.00	11.55	45	3.0
633.190	1.90	8.08	11.00	11.55	45	3.0
633.191*	1.91	8.12	11.00	11.55	45	3.0
633.192	1.92	8.16	11.00	11.55	45	3.0
633.193	1.93	8.20	11.00	11.55	45	3.0
633.194	1.94	8.25	11.00	11.55	45	3.0
633.195	1.95	8.29	11.00	11.55	45	3.0
633.196	1.96	8.33	11.00	11.55	45	3.0
633.197*	1.97	8.37	11.00	11.55	45	3.0
633.198*	1.98	8.42	11.00	11.55	45	3.0
633.199*	1.99	8.46	11.00	11.55	45	3.0
633.200	2.00	8.50	11.00	11.55	45	3.0
633.205	2.05	8.71	13.50	14.18	45	3.0
633.210	2.10	8.93	13.50	14.18	45	3.0
633.215	2.15	9.14	13.50	14.18	45	3.0
633.220	2.20	9.35	13.50	14.18	45	3.0
633.225	2.25	9.56	13.50	14.18	45	3.0
633.230	2.30	9.78	13.50	14.18	45	3.0
633.235	2.35	9.99	13.50	14.18	45	3.0
633.240	2.40	10.20	13.50	14.18	45	3.0
633.245	2.45	10.41	13.50	14.18	45	3.0
633.250	2.50	10.63	15.00	15.75	45	3.0
633.255	2.55	10.84	15.00	15.75	45	3.0
633.260	2.60	11.05	15.00	15.75	45	3.0
633.265	2.65	11.26	15.00	15.75	45	3.0
633.270	2.70	11.48	15.00	15.75	45	3.0
633.275	2.75	11.69	16.50	17.33	45	3.0
633.280	2.80	11.90	16.50	17.33	45	3.0
633.285	2.85	12.11	16.50	17.33	45	3.0
633.290	2.90	12.33	16.50	17.33	45	3.0
633.295	2.95	12.54	16.50	17.33	45	3.0
633.300	3.00	12.75	16.50	17.33	45	3.0

- VHM DM-21
- Z=2
- RH
- 30° HELIX
- 4 x d1
- 140°
- S
- Type-HA
- SHRINK FIT
- HSC

• Ø 1.45-Ø 3.00 OVER ALL LENGTH CHANGED FROM 38mm TO 45mm.
SOME STOCK MAY BE DELIVERED WITH 38mm OAL

E-mail: info@daggermaster.com Fax: +91 (240) 248 2669 www.daggermaster.com

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