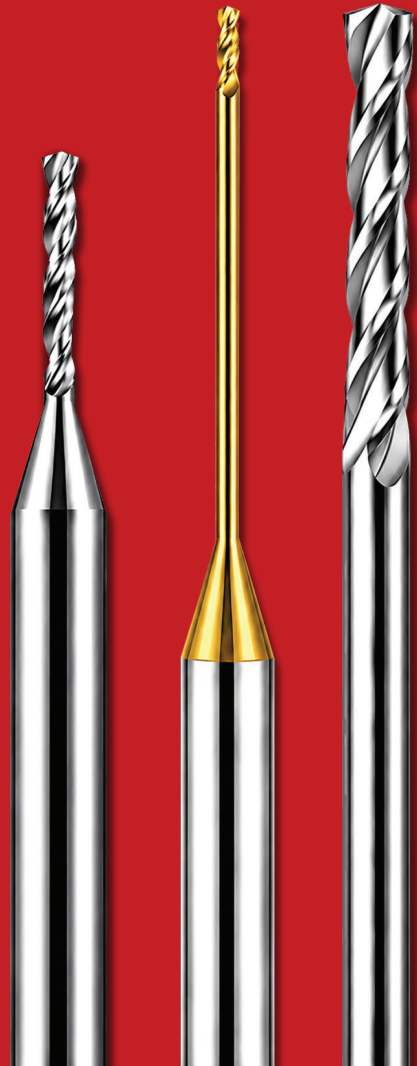


METALLIX

Solid Carbide Cutting Tools

Ver. 1

ENGINEERED
FOR
PRECISION



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제품 정보 및 카탈로그를
홈페이지에서 확인하세요.
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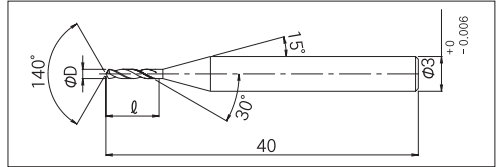
Precision Cutting Tools Made in Korea

제품명 Product Name	모델 Model	외관 Appearance	사이즈 Size		페이지 PAGE
			MIN	MAX	
마이크로드릴 시리즈 Micro Drill SERIES					
마이크로드릴 4 X D Micro Drill Short Flute Length	 MDR4		Ø0.1	Ø3.0	4
마이크로드릴 7 X D Micro Drill Regular Flute Length	MDR7		Ø0.1	Ø3.99	8
마이크로 코팅 드릴 7 X D Micro Coating Drill Regular Flute Length	 MDRT7		Ø0.1	Ø3.99	12
마이크로 그래핀 코팅 드릴 7 X D Micro Graphene Coating Drill Regular Flute Length	 MDRG7		Ø0.1	Ø3.99	16
마이크로드릴 10 X D Micro Drill Semi Long Flute Length	MDR10		Ø0.1	Ø3.0	20
마이크로 롱드릴 20 X D Micro Drill Long Flute Length	MDRL		Ø0.1	Ø3.0	24
마이크로 리브 롱드릴 Micro Rib Type Long Drill	MSBD		Ø0.2	Ø3.0	28
마이크로 리브 코팅 롱드릴 Micro Rib Type Coating Long Drill	 MSBT		Ø0.2	Ø3.0	30
강속드릴 Power Speed Drill	 MPD		Ø1.0	Ø9.0	31
마이크로드릴 3.175mm 상크 Micro Drill, 1/8 inch shank	MDR31		Ø0.1	Ø3.175	33
마이크로 코팅 드릴 3.175mm 상크 Micro Coating Drill, 1/8 inch shank	 MDRT31		Ø0.1	Ø3.175	37
마이크로 그래핀 코팅 드릴 3.175mm Micro Graphene Coating Drill, 1/8 inch shank	 MDRG31		Ø0.1	Ø3.175	41
마이크로드릴 2 X D NC Pointing Drill with 120° Point angle	 MNC30		Ø0.1	Ø3.0	45
마이크로드릴 2 X D NC Pointing Drill with 90° Point angle	 MNC309		Ø0.1	Ø3.0	46
마이크로드릴 2 X D NC Pointing Drill with 120° Point angle and 3.175mm(1/8")shank	 MNC31		Ø0.1	Ø3.0	47
마이크로드릴 2 X D NC Pointing Drill with 90° Point angle and 3.175mm(1/8")shank	 MNC319		Ø0.1	Ø3.0	48
마이크로드릴1mm 상크 Micro Drill, 1mm shank	MTR1		Ø0.1	Ø0.99	49
스트레이트드릴 시리즈 Straight Shank Drill SERIES					
초경드릴 Solid Drill Standard, Straight Shank	SSD		Ø0.5	Ø13.0	51
초경 코팅 드릴 Solid Drill Coating, Straight Shank	 SSD-T		Ø0.5	Ø13.0	58
초경 숏드릴 Solid Drill Short, Straight Shank	SSD-S		Ø0.5	Ø13.0	65
스탠다드 롱드릴 Standard Long Drill, Straight Shank	SDL		Ø3.0	Ø10.0	67
세미 롱드릴 Semi Long Drill, Straight Shank	SDL45		Ø0.7	Ø6.02	69
롱드릴 Long Drill, Straight Shank	SDL50		Ø0.7	Ø10.0	72
엑스트라 롱드릴 Extra Long Drill, Straight Shank	SDL60		Ø1.0	Ø10.0	75
슈퍼 롱드릴 Super Long Drill, Straight Shank	SDL70		Ø1.4	Ø5.0	77
커터 시리즈 Cutter SERIES					
T커터 Carbide T-CUTTER	TZTC		Ø8.0	Ø50.0	78
조건표 Product Reference Chart					83

마이크로드릴 4XD

Micro Drill Short Flute Length

MDR4



- 미세홀 정밀 가공용 드릴
Designed for precision micro-hole machining.
- 일반 강재부터 비철, 수지까지 폭넓은 적용 가능
Wide application available covering from steel to non-ferrous and resin.

날경공차 : +0~-0.005
 $\varnothing$ D Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤프트(S) Shank	재고 유무
MDR4-0010	0.1	0.6	40	3	○
MDR4-0011	0.11	0.6	40	3	○
MDR4-0012	0.12	0.6	40	3	○
MDR4-0013	0.13	0.6	40	3	○
MDR4-0014	0.14	0.6	40	3	○
MDR4-0015	0.15	0.6	40	3	○
MDR4-0016	0.16	0.8	40	3	○
MDR4-0017	0.17	0.8	40	3	○
MDR4-0018	0.18	0.8	40	3	○
MDR4-0019	0.19	0.8	40	3	○
MDR4-0020	0.2	0.8	40	3	●
MDR4-0021	0.21	1	40	3	●
MDR4-0022	0.22	1	40	3	●
MDR4-0023	0.23	1	40	3	●
MDR4-0024	0.24	1	40	3	●
MDR4-0025	0.25	1.1	40	3	●
MDR4-0026	0.26	1.1	40	3	●
MDR4-0027	0.27	1.1	40	3	●
MDR4-0028	0.28	1.2	40	3	●
MDR4-0029	0.29	1.2	40	3	●
MDR4-0030	0.3	1.2	40	3	●
MDR4-0031	0.31	1.3	40	3	●
MDR4-0032	0.32	1.3	40	3	●
MDR4-0033	0.33	1.4	40	3	●
MDR4-0034	0.34	1.4	40	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤프트(S) Shank	재고 유무
MDR4-0035	0.35	1.4	40	3	●
MDR4-0036	0.36	1.5	40	3	●
MDR4-0037	0.37	1.5	40	3	●
MDR4-0038	0.38	1.6	40	3	●
MDR4-0039	0.39	1.6	40	3	●
MDR4-0040	0.4	1.6	40	3	●
MDR4-0041	0.41	1.7	40	3	●
MDR4-0042	0.42	1.7	40	3	●
MDR4-0043	0.43	1.8	40	3	●
MDR4-0044	0.44	1.8	40	3	●
MDR4-0045	0.45	1.8	40	3	●
MDR4-0046	0.46	2	40	3	●
MDR4-0047	0.47	2	40	3	●
MDR4-0048	0.48	2	40	3	●
MDR4-0049	0.49	2	40	3	●
MDR4-0050	0.5	2	40	3	●
MDR4-0051	0.51	2.2	40	3	●
MDR4-0052	0.52	2.2	40	3	●
MDR4-0053	0.53	2.2	40	3	●
MDR4-0054	0.54	2.2	40	3	●
MDR4-0055	0.55	2.2	40	3	●
MDR4-0056	0.56	2.5	40	3	●
MDR4-0057	0.57	2.5	40	3	●
MDR4-0058	0.58	2.5	40	3	●
MDR4-0059	0.59	2.5	40	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDR4-0060	0.6	2.5	40	3	●
MDR4-0061	0.61	2.7	40	3	●
MDR4-0062	0.62	2.7	40	3	●
MDR4-0063	0.63	2.7	40	3	●
MDR4-0064	0.64	2.7	40	3	●
MDR4-0065	0.65	2.7	40	3	●
MDR4-0066	0.66	2.7	40	3	●
MDR4-0067	0.67	2.7	40	3	●
MDR4-0068	0.68	2.7	40	3	●
MDR4-0069	0.69	2.7	40	3	●
MDR4-0070	0.7	3	40	3	●
MDR4-0071	0.71	3	40	3	●
MDR4-0072	0.72	3	40	3	●
MDR4-0073	0.73	3	40	3	●
MDR4-0074	0.74	3	40	3	●
MDR4-0075	0.75	3	40	3	●
MDR4-0076	0.76	3.2	40	3	●
MDR4-0077	0.77	3.2	40	3	●
MDR4-0078	0.78	3.2	40	3	●
MDR4-0079	0.79	3.2	40	3	●
MDR4-0080	0.8	3.2	40	3	●
MDR4-0081	0.81	3.5	40	3	●
MDR4-0082	0.82	3.5	40	3	●
MDR4-0083	0.83	3.5	40	3	●
MDR4-0084	0.84	3.5	40	3	●
MDR4-0085	0.85	3.5	40	3	●
MDR4-0086	0.86	3.5	40	3	●
MDR4-0087	0.87	3.5	40	3	●
MDR4-0088	0.88	3.5	40	3	●
MDR4-0089	0.89	3.5	40	3	●
MDR4-0090	0.9	3.5	40	3	●
MDR4-0091	0.91	4	40	3	●
MDR4-0092	0.92	4	40	3	●
MDR4-0093	0.93	4	40	3	●
MDR4-0094	0.94	4	40	3	●
MDR4-0095	0.95	4	40	3	●
MDR4-0096	0.96	4	40	3	●
MDR4-0097	0.97	4	40	3	●
MDR4-0098	0.98	4	40	3	●
MDR4-0099	0.99	4	40	3	●
MDR4-0100	1.0	4	40	3	●
MDR4-0101	1.01	4	40	3	●
MDR4-0102	1.02	4	40	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDR4-0103	1.03	4	40	3	●
MDR4-0104	1.04	4	40	3	●
MDR4-0105	1.05	4	40	3	●
MDR4-0106	1.06	4	40	3	●
MDR4-0107	1.07	4	40	3	●
MDR4-0108	1.08	4	40	3	●
MDR4-0109	1.09	4	40	3	●
MDR4-0110	1.1	4	40	3	●
MDR4-0111	1.11	4	40	3	●
MDR4-0112	1.12	4	40	3	●
MDR4-0113	1.13	4	40	3	●
MDR4-0114	1.14	4	40	3	●
MDR4-0115	1.15	4	40	3	●
MDR4-0116	1.16	4	40	3	●
MDR4-0117	1.17	4	40	3	●
MDR4-0118	1.18	4	40	3	●
MDR4-0119	1.19	4	40	3	●
MDR4-0120	1.2	4	40	3	●
MDR4-0121	1.21	4	40	3	●
MDR4-0122	1.22	4	40	3	●
MDR4-0123	1.23	4	40	3	●
MDR4-0124	1.24	4	40	3	●
MDR4-0125	1.25	4	40	3	●
MDR4-0126	1.26	4	40	3	●
MDR4-0127	1.27	4	40	3	●
MDR4-0128	1.28	4	40	3	●
MDR4-0129	1.29	4	40	3	●
MDR4-0130	1.3	4	40	3	●
MDR4-0131	1.31	5	40	3	●
MDR4-0132	1.32	5	40	3	●
MDR4-0133	1.33	5	40	3	●
MDR4-0134	1.34	5	40	3	●
MDR4-0135	1.35	5	40	3	●
MDR4-0136	1.36	5	40	3	●
MDR4-0137	1.37	5	40	3	●
MDR4-0138	1.38	5	40	3	●
MDR4-0139	1.39	5	40	3	●
MDR4-0140	1.4	5	40	3	●
MDR4-0141	1.41	5	40	3	●
MDR4-0142	1.42	5	40	3	●
MDR4-0143	1.43	5	40	3	●
MDR4-0144	1.44	5	40	3	●
MDR4-0145	1.45	5	40	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR4-0146	1.46	5	40	3	●
MDR4-0147	1.47	5	40	3	●
MDR4-0148	1.48	5	40	3	●
MDR4-0149	1.49	5	40	3	●
MDR4-0150	1.5	5	40	3	●
MDR4-0151	1.51	5	40	3	○
MDR4-0152	1.52	5	40	3	○
MDR4-0153	1.53	5	40	3	○
MDR4-0154	1.54	5	40	3	○
MDR4-0155	1.55	5	40	3	●
MDR4-0156	1.56	5	40	3	○
MDR4-0157	1.57	5	40	3	○
MDR4-0158	1.58	5	40	3	○
MDR4-0159	1.59	5	40	3	○
MDR4-0160	1.6	5	40	3	●
MDR4-0161	1.61	5	40	3	○
MDR4-0162	1.62	5	40	3	○
MDR4-0163	1.63	5	40	3	○
MDR4-0164	1.64	5	40	3	○
MDR4-0165	1.65	5	40	3	●
MDR4-0166	1.66	6	40	3	○
MDR4-0167	1.67	6	40	3	○
MDR4-0168	1.68	6	40	3	○
MDR4-0169	1.69	6	40	3	○
MDR4-0170	1.7	6	40	3	●
MDR4-0171	1.71	6	40	3	○
MDR4-0172	1.72	6	40	3	○
MDR4-0173	1.73	6	40	3	○
MDR4-0174	1.74	6	40	3	○
MDR4-0175	1.75	6	40	3	●
MDR4-0176	1.76	6	40	3	○
MDR4-0177	1.77	6	40	3	○
MDR4-0178	1.78	6	40	3	○
MDR4-0179	1.79	6	40	3	○
MDR4-0180	1.8	6	40	3	●
MDR4-0181	1.81	6	40	3	○
MDR4-0182	1.82	6	40	3	○
MDR4-0183	1.83	6	40	3	○
MDR4-0184	1.84	6	40	3	○
MDR4-0185	1.85	6	40	3	●
MDR4-0186	1.86	7	40	3	○
MDR4-0187	1.87	7	40	3	○
MDR4-0188	1.88	7	40	3	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR4-0189	1.89	7	40	3	○
MDR4-0190	1.9	7	40	3	●
MDR4-0191	1.91	7	40	3	○
MDR4-0192	1.92	7	40	3	○
MDR4-0193	1.93	7	40	3	○
MDR4-0194	1.94	7	40	3	○
MDR4-0195	1.95	7	40	3	●
MDR4-0196	1.96	7	40	3	○
MDR4-0197	1.97	7	40	3	○
MDR4-0198	1.98	7	40	3	○
MDR4-0199	1.99	7	40	3	○
MDR4-0200	2.0	7	40	3	●
MDR4-0201	2.01	8	40	3	○
MDR4-0202	2.02	8	40	3	○
MDR4-0203	2.03	8	40	3	○
MDR4-0204	2.04	8	40	3	○
MDR4-0205	2.05	8	40	3	●
MDR4-0206	2.06	8	40	3	○
MDR4-0207	2.07	8	40	3	○
MDR4-0208	2.08	8	40	3	○
MDR4-0209	2.09	8	40	3	○
MDR4-0210	2.1	8	40	3	●
MDR4-0211	2.11	8	40	3	○
MDR4-0212	2.12	8	40	3	○
MDR4-0213	2.13	8	40	3	○
MDR4-0214	2.14	8	40	3	○
MDR4-0215	2.15	8	40	3	●
MDR4-0216	2.16	8	40	3	○
MDR4-0217	2.17	8	40	3	○
MDR4-0218	2.18	8	40	3	○
MDR4-0219	2.19	8	40	3	○
MDR4-0220	2.2	8	40	3	●
MDR4-0221	2.21	9	40	3	○
MDR4-0222	2.22	9	40	3	○
MDR4-0223	2.23	9	40	3	○
MDR4-0224	2.24	9	40	3	○
MDR4-0225	2.25	9	40	3	●
MDR4-0226	2.26	9	40	3	○
MDR4-0227	2.27	9	40	3	○
MDR4-0228	2.28	9	40	3	○
MDR4-0229	2.29	9	40	3	○
MDR4-0230	2.3	9	40	3	●
MDR4-0231	2.31	9	40	3	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR4-0232	2.32	9	40	3	○
MDR4-0233	2.33	9	40	3	○
MDR4-0234	2.34	9	40	3	○
MDR4-0235	2.35	9	40	3	●
MDR4-0236	2.36	9	40	3	○
MDR4-0237	2.37	9	40	3	○
MDR4-0238	2.38	9	40	3	○
MDR4-0239	2.39	9	40	3	○
MDR4-0240	2.4	9	40	3	●
MDR4-0241	2.41	9	40	3	○
MDR4-0242	2.42	9	40	3	○
MDR4-0243	2.43	9	40	3	○
MDR4-0244	2.44	9	40	3	○
MDR4-0245	2.45	9	40	3	●
MDR4-0246	2.46	10	40	3	○
MDR4-0247	2.47	10	40	3	○
MDR4-0248	2.48	10	40	3	○
MDR4-0249	2.49	10	40	3	○
MDR4-0250	2.5	10	40	3	●
MDR4-0251	2.51	10	40	3	○
MDR4-0252	2.52	10	40	3	○
MDR4-0253	2.53	10	40	3	○
MDR4-0254	2.54	10	40	3	○
MDR4-0255	2.55	10	40	3	●
MDR4-0256	2.56	10	40	3	○
MDR4-0257	2.57	10	40	3	○
MDR4-0258	2.58	10	40	3	○
MDR4-0259	2.59	10	40	3	○
MDR4-0260	2.6	10	40	3	●
MDR4-0261	2.61	10	40	3	○
MDR4-0262	2.62	10	40	3	○
MDR4-0263	2.63	10	40	3	○
MDR4-0264	2.64	10	40	3	○
MDR4-0265	2.65	10	40	3	●
MDR4-0266	2.66	10	40	3	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR4-0267	2.67	10	40	3	○
MDR4-0268	2.68	10	40	3	○
MDR4-0269	2.69	10	40	3	○
MDR4-0270	2.7	10	40	3	●
MDR4-0271	2.71	11	40	3	○
MDR4-0272	2.72	11	40	3	○
MDR4-0273	2.73	11	40	3	○
MDR4-0274	2.74	11	40	3	○
MDR4-0275	2.75	11	40	3	●
MDR4-0276	2.76	11	40	3	○
MDR4-0277	2.77	11	40	3	○
MDR4-0278	2.78	11	40	3	○
MDR4-0279	2.79	11	40	3	○
MDR4-0280	2.8	11	40	3	●
MDR4-0281	2.81	11	40	3	○
MDR4-0282	2.82	11	40	3	○
MDR4-0283	2.83	11	40	3	○
MDR4-0284	2.84	11	40	3	○
MDR4-0285	2.85	11	40	3	●
MDR4-0286	2.86	11	40	3	○
MDR4-0287	2.87	11	40	3	○
MDR4-0288	2.88	11	40	3	○
MDR4-0289	2.89	11	40	3	○
MDR4-0290	2.9	11	40	3	●
MDR4-0291	2.91	11	40	3	○
MDR4-0292	2.92	11	40	3	○
MDR4-0293	2.93	11	40	3	○
MDR4-0294	2.94	11	40	3	○
MDR4-0295	2.95	11	40	3	●
MDR4-0296	2.96	12	40	3	○
MDR4-0297	2.97	12	40	3	○
MDR4-0298	2.98	12	40	3	○
MDR4-0299	2.99	12	40	3	○
MDR4-0300	3.0	12	40	3	●

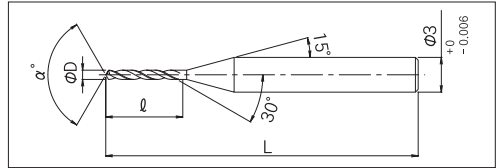
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로드릴 7XD

Micro Drill Regular Flute Length

MDR7



- 미세홀 정밀 가공용 드릴
Designed for precision micro-hole machining.
- 일반 강재부터 비철, 수지까지 폭넓은 적용 가능
Wide application available covering from steel to non-ferrous and resin.

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MDR7-0010	0.1	0.8	40	3	●
MDR7-0011	0.11	0.8	40	3	●
MDR7-0012	0.12	1	40	3	●
MDR7-0013	0.13	1	40	3	●
MDR7-0014	0.14	1	40	3	●
MDR7-0015	0.15	1.2	40	3	●
MDR7-0016	0.16	1.2	40	3	●
MDR7-0017	0.17	1.2	40	3	●
MDR7-0018	0.18	1.5	40	3	●
MDR7-0019	0.19	1.5	40	3	●
MDR7-0020	0.2	1.8	40	3	●
MDR7-0021	0.21	1.8	40	3	●
MDR7-0022	0.22	1.8	40	3	●
MDR7-0023	0.23	1.8	40	3	●
MDR7-0024	0.24	1.8	40	3	●
MDR7-0025	0.25	2	40	3	●
MDR7-0026	0.26	2	40	3	●
MDR7-0027	0.27	2	40	3	●
MDR7-0028	0.28	2	40	3	●
MDR7-0029	0.29	2	40	3	●
MDR7-0030	0.3	2.5	40	3	●
MDR7-0031	0.31	2.5	40	3	●
MDR7-0032	0.32	2.5	40	3	●
MDR7-0033	0.33	2.5	40	3	●
MDR7-0034	0.34	2.5	40	3	●
MDR7-0035	0.35	2.5	40	3	●
MDR7-0036	0.36	2.8	40	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MDR7-0037	0.37	2.8	40	3	●
MDR7-0038	0.38	2.8	40	3	●
MDR7-0039	0.39	2.8	40	3	●
MDR7-0040	0.4	3	40	3	●
MDR7-0041	0.41	3	40	3	●
MDR7-0042	0.42	3	40	3	●
MDR7-0043	0.43	3.2	40	3	●
MDR7-0044	0.44	3.2	40	3	●
MDR7-0045	0.45	3.2	40	3	●
MDR7-0046	0.46	3.5	40	3	●
MDR7-0047	0.47	3.5	40	3	●
MDR7-0048	0.48	3.5	40	3	●
MDR7-0049	0.49	3.8	40	3	●
MDR7-0050	0.5	3.8	40	3	●
MDR7-0051	0.51	3.8	40	3	●
MDR7-0052	0.52	3.8	40	3	●
MDR7-0053	0.53	3.8	40	3	●
MDR7-0054	0.54	4	40	3	●
MDR7-0055	0.55	4	40	3	●
MDR7-0056	0.56	4	40	3	●
MDR7-0057	0.57	4.3	40	3	●
MDR7-0058	0.58	4.3	40	3	●
MDR7-0059	0.59	4.3	40	3	●
MDR7-0060	0.6	4.5	40	3	●
MDR7-0061	0.61	4.5	40	3	●
MDR7-0062	0.62	4.5	40	3	●
MDR7-0063	0.63	4.5	40	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR7-0064	0.64	4.5	40	3	●
MDR7-0065	0.65	5	40	3	●
MDR7-0066	0.66	5	40	3	●
MDR7-0067	0.67	5	40	3	●
MDR7-0068	0.68	5	40	3	●
MDR7-0069	0.69	5	40	3	●
MDR7-0070	0.7	5.5	40	3	●
MDR7-0071	0.71	5.5	40	3	●
MDR7-0072	0.72	5.5	40	3	●
MDR7-0073	0.73	5.5	40	3	●
MDR7-0074	0.74	5.5	40	3	●
MDR7-0075	0.75	5.5	40	3	●
MDR7-0076	0.76	5.5	40	3	●
MDR7-0077	0.77	5.5	40	3	●
MDR7-0078	0.78	5.5	40	3	●
MDR7-0079	0.79	6	40	3	●
MDR7-0080	0.8	6	40	3	●
MDR7-0081	0.81	6	40	3	●
MDR7-0082	0.82	6	40	3	●
MDR7-0083	0.83	6	40	3	●
MDR7-0084	0.84	6	40	3	●
MDR7-0085	0.85	6	40	3	●
MDR7-0086	0.86	6.5	40	3	●
MDR7-0087	0.87	6.5	40	3	●
MDR7-0088	0.88	6.5	40	3	●
MDR7-0089	0.89	6.5	40	3	●
MDR7-0090	0.9	6.5	40	3	●
MDR7-0091	0.91	6.5	40	3	●
MDR7-0092	0.92	6.5	40	3	●
MDR7-0093	0.93	7	40	3	●
MDR7-0094	0.94	7	40	3	●
MDR7-0095	0.95	7	40	3	●
MDR7-0096	0.96	7	40	3	●
MDR7-0097	0.97	7	40	3	●
MDR7-0098	0.98	7	40	3	●
MDR7-0099	0.99	7	40	3	●
MDR7-0100	1.0	7	45	3	●
MDR7-0101	1.01	7.5	45	3	●
MDR7-0102	1.02	7.5	45	3	●
MDR7-0103	1.03	7.5	45	3	●
MDR7-0104	1.04	7.5	45	3	●
MDR7-0105	1.05	7.5	45	3	●
MDR7-0106	1.06	8	45	3	●
MDR7-0107	1.07	8	45	3	●
MDR7-0108	1.08	8	45	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR7-0109	1.09	8	45	3	●
MDR7-0110	1.1	8	45	3	●
MDR7-0111	1.11	8	45	3	●
MDR7-0112	1.12	8	45	3	●
MDR7-0113	1.13	8	45	3	●
MDR7-0114	1.14	8	45	3	●
MDR7-0115	1.15	8.5	45	3	●
MDR7-0116	1.16	8.5	45	3	●
MDR7-0117	1.17	8.5	45	3	●
MDR7-0118	1.18	8.5	45	3	●
MDR7-0119	1.19	8.5	45	3	●
MDR7-0120	1.2	8.5	45	3	●
MDR7-0121	1.21	9	45	3	●
MDR7-0122	1.22	9	45	3	●
MDR7-0123	1.23	9	45	3	●
MDR7-0124	1.24	9	45	3	●
MDR7-0125	1.25	9	45	3	●
MDR7-0126	1.26	9.5	45	3	●
MDR7-0127	1.27	9.5	45	3	●
MDR7-0128	1.28	9.5	45	3	●
MDR7-0129	1.29	9.5	45	3	●
MDR7-0130	1.3	9.5	45	3	●
MDR7-0131	1.31	9.5	45	3	●
MDR7-0132	1.32	9.5	45	3	●
MDR7-0133	1.33	9.5	45	3	●
MDR7-0134	1.34	9.5	45	3	●
MDR7-0135	1.35	9.5	45	3	●
MDR7-0136	1.36	10	45	3	●
MDR7-0137	1.37	10	45	3	●
MDR7-0138	1.38	10	45	3	●
MDR7-0139	1.39	10	45	3	●
MDR7-0140	1.4	10	45	3	●
MDR7-0141	1.41	10	45	3	●
MDR7-0142	1.42	10	45	3	●
MDR7-0143	1.43	10	45	3	●
MDR7-0144	1.44	10	45	3	●
MDR7-0145	1.45	10	45	3	●
MDR7-0146	1.46	11	45	3	●
MDR7-0147	1.47	11	45	3	●
MDR7-0148	1.48	11	45	3	●
MDR7-0149	1.49	11	45	3	●
MDR7-0150	1.5	11	45	3	●
MDR7-0151	1.51	11	45	3	●
MDR7-0152	1.52	11	45	3	●
MDR7-0153	1.53	11	45	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDR7-0154	1.54	11	45	3	●
MDR7-0155	1.55	11	45	3	●
MDR7-0156	1.56	12	45	3	●
MDR7-0157	1.57	12	45	3	●
MDR7-0158	1.58	12	45	3	●
MDR7-0159	1.59	12	45	3	●
MDR7-0160	1.6	12	45	3	●
MDR7-0161	1.61	12	45	3	●
MDR7-0162	1.62	12	45	3	●
MDR7-0163	1.63	12	45	3	●
MDR7-0164	1.64	12	45	3	●
MDR7-0165	1.65	12	45	3	●
MDR7-0166	1.66	12	45	3	●
MDR7-0167	1.67	12	45	3	●
MDR7-0168	1.68	12	45	3	●
MDR7-0169	1.69	12	45	3	●
MDR7-0170	1.7	12	45	3	●
MDR7-0171	1.71	13	45	3	●
MDR7-0172	1.72	13	45	3	●
MDR7-0173	1.73	13	45	3	●
MDR7-0174	1.74	13	45	3	●
MDR7-0175	1.75	13	45	3	●
MDR7-0176	1.76	13	45	3	●
MDR7-0177	1.77	13	45	3	●
MDR7-0178	1.78	13	45	3	●
MDR7-0179	1.79	13	45	3	●
MDR7-0180	1.8	13	45	3	●
MDR7-0181	1.81	13	45	3	●
MDR7-0182	1.82	13	45	3	●
MDR7-0183	1.83	13	45	3	●
MDR7-0184	1.84	13	45	3	●
MDR7-0185	1.85	13	45	3	●
MDR7-0186	1.86	13	45	3	●
MDR7-0187	1.87	13	45	3	●
MDR7-0188	1.88	13	45	3	●
MDR7-0189	1.89	13	45	3	●
MDR7-0190	1.9	14	45	3	●
MDR7-0191	1.91	14	45	3	●
MDR7-0192	1.92	14	45	3	●
MDR7-0193	1.93	14	45	3	●
MDR7-0194	1.94	14	45	3	●
MDR7-0195	1.95	14	45	3	●
MDR7-0196	1.96	14	45	3	●
MDR7-0197	1.97	14	45	3	●
MDR7-0198	1.98	14	45	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDR7-0199	1.99	14	45	3	●
MDR7-0200	2.0	14.5	45	3	●
MDR7-0201	2.01	14.5	45	3	●
MDR7-0202	2.02	14.5	45	3	●
MDR7-0203	2.03	14.5	45	3	●
MDR7-0204	2.04	14.5	45	3	●
MDR7-0205	2.05	14.5	45	3	●
MDR7-0206	2.06	14.5	45	3	●
MDR7-0207	2.07	14.5	45	3	●
MDR7-0208	2.08	14.5	45	3	●
MDR7-0209	2.09	14.5	45	3	●
MDR7-0210	2.1	15.5	45	3	●
MDR7-0211	2.11	15.5	45	3	●
MDR7-0212	2.12	15.5	45	3	●
MDR7-0213	2.13	15.5	45	3	●
MDR7-0214	2.14	15.5	45	3	●
MDR7-0215	2.15	15.5	45	3	●
MDR7-0216	2.16	15.5	45	3	●
MDR7-0217	2.17	15.5	45	3	●
MDR7-0218	2.18	15.5	45	3	●
MDR7-0219	2.19	15.5	45	3	●
MDR7-0220	2.2	16.0	45	3	●
MDR7-0221	2.21	16.0	45	3	●
MDR7-0222	2.22	16.0	45	3	●
MDR7-0223	2.23	16.0	45	3	●
MDR7-0224	2.24	16.0	45	3	●
MDR7-0225	2.25	16.0	45	3	●
MDR7-0226	2.26	16.0	50	3	●
MDR7-0227	2.27	16.0	50	3	●
MDR7-0228	2.28	16.0	50	3	●
MDR7-0229	2.29	16.0	50	3	●
MDR7-0230	2.3	16.0	50	3	●
MDR7-0231	2.31	16.5	50	3	●
MDR7-0232	2.32	16.5	50	3	●
MDR7-0233	2.33	16.5	50	3	●
MDR7-0234	2.34	16.5	50	3	●
MDR7-0235	2.35	16.5	50	3	●
MDR7-0236	2.36	16.5	50	3	●
MDR7-0237	2.37	16.5	50	3	●
MDR7-0238	2.38	16.5	50	3	●
MDR7-0239	2.39	16.5	50	3	●
MDR7-0240	2.4	17.5	50	3	●
MDR7-0241	2.41	17.5	50	3	●
MDR7-0242	2.42	17.5	50	3	●
MDR7-0243	2.43	17.5	50	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR7-0244	2.44	17.5	50	3	●
MDR7-0245	2.45	17.5	50	3	●
MDR7-0246	2.46	20	54	3	●
MDR7-0247	2.47	20	54	3	●
MDR7-0248	2.48	20	54	3	●
MDR7-0249	2.49	20	54	3	●
MDR7-0250	2.5	20	54	3	●
MDR7-0251	2.51	20	54	3	●
MDR7-0252	2.52	20	54	3	●
MDR7-0253	2.53	20	54	3	●
MDR7-0254	2.54	20	54	3	●
MDR7-0255	2.55	20	54	3	●
MDR7-0256	2.56	20	54	3	●
MDR7-0257	2.57	20	54	3	●
MDR7-0258	2.58	20	54	3	●
MDR7-0259	2.59	20	54	3	●
MDR7-0260	2.6	20	54	3	●
MDR7-0261	2.61	20	54	3	●
MDR7-0262	2.62	20	54	3	●
MDR7-0263	2.63	20	54	3	●
MDR7-0264	2.64	20	54	3	●
MDR7-0265	2.65	20	54	3	●
MDR7-0266	2.66	20	54	3	●
MDR7-0267	2.67	20	54	3	●
MDR7-0268	2.68	20	54	3	●
MDR7-0269	2.69	20	54	3	●
MDR7-0270	2.7	20	54	3	●
MDR7-0271	2.71	20	54	3	●
MDR7-0272	2.72	20	54	3	●
MDR7-0273	2.73	20	54	3	●
MDR7-0274	2.74	20	54	3	●
MDR7-0275	2.75	20	54	3	●
MDR7-0276	2.76	20	54	3	●
MDR7-0277	2.77	20	54	3	●
MDR7-0278	2.78	20	54	3	●
MDR7-0279	2.79	20	54	3	●
MDR7-0280	2.8	20	54	3	●
MDR7-0281	2.81	20	54	3	●
MDR7-0282	2.82	20	54	3	●
MDR7-0283	2.83	20	54	3	●
MDR7-0284	2.84	20	54	3	●
MDR7-0285	2.85	20	54	3	●
MDR7-0286	2.86	20	54	3	●
MDR7-0287	2.87	20	54	3	●
MDR7-0288	2.88	20	54	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR7-0289	2.89	20	54	3	●
MDR7-0290	2.9	20	54	3	●
MDR7-0291	2.91	20	54	3	●
MDR7-0292	2.92	20	54	3	●
MDR7-0293	2.93	20	54	3	●
MDR7-0294	2.94	20	54	3	●
MDR7-0295	2.95	20	54	3	●
MDR7-0296	2.96	20	54	3	●
MDR7-0297	2.97	20	54	3	●
MDR7-0298	2.98	20	54	3	●
MDR7-0299	2.99	20	54	3	●
MDR7-0300	3.0	25	60	3	●
MDR7-0301	3.01	25	60	4	●
MDR7-0302	3.02	25	60	4	●
MDR7-0303	3.03	25	60	4	●
MDR7-0304	3.04	25	60	4	●
MDR7-0305	3.05	25	60	4	●
MDR7-0306	3.06	25	60	4	●
MDR7-0307	3.07	25	60	4	●
MDR7-0308	3.08	25	60	4	●
MDR7-0309	3.09	25	60	4	●
MDR7-0315	3.15	25	60	4	●
MDR7-0322	3.22	25	64	4	○
MDR7-0325	3.25	25	60	4	●
MDR7-0332	3.32	25	64	4	○
MDR7-0335	3.35	25	60	4	●
MDR7-0342	3.42	25	64	4	○
MDR7-0345	3.45	25	60	4	●
MDR7-0352	3.52	25	64	4	○
MDR7-0355	3.55	25	60	4	●
MDR7-0362	3.62	28	64	4	○
MDR7-0365	3.65	28	62	4	●
MDR7-0372	3.72	28	64	4	○
MDR7-0375	3.75	28	62	4	●
MDR7-0382	3.82	28	64	4	○
MDR7-0385	3.85	28	62	4	●
MDR7-0392	3.92	28	64	4	○
MDR7-0395	3.95	28	62	4	●
MDR7-0396	3.96	28	62	4	●
MDR7-0397	3.97	28	62	4	●
MDR7-0398	3.98	28	62	4	●
MDR7-0399	3.99	28	62	4	●

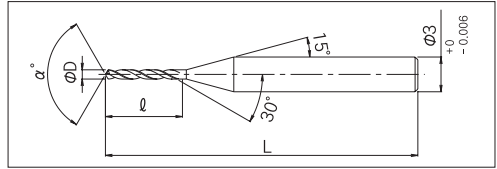
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로 코팅 드릴 7XD

Micro Coating Drill Regular Flute Length

MDRT7



■ 미세홀 정밀 가공용 드릴

Designed for precision micro-hole machining.

■ 일반 강재부터 비철, 수지까지 폭넓은 적용 가능

Wide application available covering from steel to non-ferrous and resin.

ØD ≥ 1.0



날경공차 : +0~-0.005

ØD Tolerance

단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRT7-0010	0.1	0.8	40	3	●
MDRT7-0011	0.11	0.8	40	3	●
MDRT7-0012	0.12	1	40	3	●
MDRT7-0013	0.13	1	40	3	●
MDRT7-0014	0.14	1	40	3	●
MDRT7-0015	0.15	1.2	40	3	●
MDRT7-0016	0.16	1.2	40	3	●
MDRT7-0017	0.17	1.2	40	3	●
MDRT7-0018	0.18	1.5	40	3	●
MDRT7-0019	0.19	1.5	40	3	●
MDRT7-0020	0.2	1.8	40	3	●
MDRT7-0021	0.21	1.8	40	3	●
MDRT7-0022	0.22	1.8	40	3	●
MDRT7-0023	0.23	1.8	40	3	●
MDRT7-0024	0.24	1.8	40	3	●
MDRT7-0025	0.25	2	40	3	●
MDRT7-0026	0.26	2	40	3	●
MDRT7-0027	0.27	2	40	3	●
MDRT7-0028	0.28	2	40	3	●
MDRT7-0029	0.29	2	40	3	●
MDRT7-0030	0.3	2.5	40	3	●
MDRT7-0031	0.31	2.5	40	3	●
MDRT7-0032	0.32	2.5	40	3	●
MDRT7-0033	0.33	2.5	40	3	●
MDRT7-0034	0.34	2.5	40	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRT7-0035	0.35	2.5	40	3	●
MDRT7-0036	0.36	2.8	40	3	●
MDRT7-0037	0.37	2.8	40	3	●
MDRT7-0038	0.38	2.8	40	3	●
MDRT7-0039	0.39	2.8	40	3	●
MDRT7-0040	0.4	3	40	3	●
MDRT7-0041	0.41	3	40	3	●
MDRT7-0042	0.42	3	40	3	●
MDRT7-0043	0.43	3.2	40	3	●
MDRT7-0044	0.44	3.2	40	3	●
MDRT7-0045	0.45	3.2	40	3	●
MDRT7-0046	0.46	3.5	40	3	●
MDRT7-0047	0.47	3.5	40	3	●
MDRT7-0048	0.48	3.5	40	3	●
MDRT7-0049	0.49	3.8	40	3	●
MDRT7-0050	0.5	3.8	40	3	●
MDRT7-0051	0.51	3.8	40	3	●
MDRT7-0052	0.52	3.8	40	3	●
MDRT7-0053	0.53	3.8	40	3	●
MDRT7-0054	0.54	4	40	3	●
MDRT7-0055	0.55	4	40	3	●
MDRT7-0056	0.56	4	40	3	●
MDRT7-0057	0.57	4.3	40	3	●
MDRT7-0058	0.58	4.3	40	3	●
MDRT7-0059	0.59	4.3	40	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRT7-0060	0.6	4.5	40	3	●
MDRT7-0061	0.61	4.5	40	3	●
MDRT7-0062	0.62	4.5	40	3	●
MDRT7-0063	0.63	4.5	40	3	●
MDRT7-0064	0.64	4.5	40	3	●
MDRT7-0065	0.65	5	40	3	●
MDRT7-0066	0.66	5	40	3	●
MDRT7-0067	0.67	5	40	3	●
MDRT7-0068	0.68	5	40	3	●
MDRT7-0069	0.69	5	40	3	●
MDRT7-0070	0.7	5.5	40	3	●
MDRT7-0071	0.71	5.5	40	3	●
MDRT7-0072	0.72	5.5	40	3	●
MDRT7-0073	0.73	5.5	40	3	●
MDRT7-0074	0.74	5.5	40	3	●
MDRT7-0075	0.75	5.5	40	3	●
MDRT7-0076	0.76	5.5	40	3	●
MDRT7-0077	0.77	5.5	40	3	●
MDRT7-0078	0.78	5.5	40	3	●
MDRT7-0079	0.79	6	40	3	●
MDRT7-0080	0.8	6	40	3	●
MDRT7-0081	0.81	6	40	3	●
MDRT7-0082	0.82	6	40	3	●
MDRT7-0083	0.83	6	40	3	●
MDRT7-0084	0.84	6	40	3	●
MDRT7-0085	0.85	6	40	3	●
MDRT7-0086	0.86	6.5	40	3	●
MDRT7-0087	0.87	6.5	40	3	●
MDRT7-0088	0.88	6.5	40	3	●
MDRT7-0089	0.89	6.5	40	3	●
MDRT7-0090	0.9	6.5	40	3	●
MDRT7-0091	0.91	6.5	40	3	●
MDRT7-0092	0.92	6.5	40	3	●
MDRT7-0093	0.93	7	40	3	●
MDRT7-0094	0.94	7	40	3	●
MDRT7-0095	0.95	7	40	3	●
MDRT7-0096	0.96	7	40	3	●
MDRT7-0097	0.97	7	40	3	●
MDRT7-0098	0.98	7	40	3	●
MDRT7-0099	0.99	7	40	3	●
MDRT7-0100	1.0	7	45	3	●
MDRT7-0101	1.01	7.5	45	3	●
MDRT7-0102	1.02	7.5	45	3	●

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRT7-0103	1.03	7.5	45	3	●
MDRT7-0104	1.04	7.5	45	3	●
MDRT7-0105	1.05	7.5	45	3	●
MDRT7-0106	1.06	8	45	3	●
MDRT7-0107	1.07	8	45	3	●
MDRT7-0108	1.08	8	45	3	●
MDRT7-0109	1.09	8	45	3	●
MDRT7-0110	1.1	8	45	3	●
MDRT7-0111	1.11	8	45	3	●
MDRT7-0112	1.12	8	45	3	●
MDRT7-0113	1.13	8	45	3	●
MDRT7-0114	1.14	8	45	3	●
MDRT7-0115	1.15	8.5	45	3	●
MDRT7-0116	1.16	8.5	45	3	●
MDRT7-0117	1.17	8.5	45	3	●
MDRT7-0118	1.18	8.5	45	3	●
MDRT7-0119	1.19	8.5	45	3	●
MDRT7-0120	1.2	8.5	45	3	●
MDRT7-0121	1.21	9	45	3	●
MDRT7-0122	1.22	9	45	3	●
MDRT7-0123	1.23	9	45	3	●
MDRT7-0124	1.24	9	45	3	●
MDRT7-0125	1.25	9	45	3	●
MDRT7-0126	1.26	9.5	45	3	●
MDRT7-0127	1.27	9.5	45	3	●
MDRT7-0128	1.28	9.5	45	3	●
MDRT7-0129	1.29	9.5	45	3	●
MDRT7-0130	1.3	9.5	45	3	●
MDRT7-0131	1.31	9.5	45	3	●
MDRT7-0132	1.32	9.5	45	3	●
MDRT7-0133	1.33	9.5	45	3	●
MDRT7-0134	1.34	9.5	45	3	●
MDRT7-0135	1.35	9.5	45	3	●
MDRT7-0136	1.36	10	45	3	●
MDRT7-0137	1.37	10	45	3	●
MDRT7-0138	1.38	10	45	3	●
MDRT7-0139	1.39	10	45	3	●
MDRT7-0140	1.4	10	45	3	●
MDRT7-0141	1.41	10	45	3	●
MDRT7-0142	1.42	10	45	3	●
MDRT7-0143	1.43	10	45	3	●
MDRT7-0144	1.44	10	45	3	●
MDRT7-0145	1.45	10	45	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRT7-0146	1.46	11	45	3	●
MDRT7-0147	1.47	11	45	3	●
MDRT7-0148	1.48	11	45	3	●
MDRT7-0149	1.49	11	45	3	●
MDRT7-0150	1.5	11	45	3	●
MDRT7-0151	1.51	11	45	3	●
MDRT7-0152	1.52	11	45	3	●
MDRT7-0153	1.53	11	45	3	●
MDRT7-0154	1.54	11	45	3	●
MDRT7-0155	1.55	11	45	3	●
MDRT7-0156	1.56	12	45	3	●
MDRT7-0157	1.57	12	45	3	●
MDRT7-0158	1.58	12	45	3	●
MDRT7-0159	1.59	12	45	3	●
MDRT7-0160	1.6	12	45	3	●
MDRT7-0161	1.61	12	45	3	●
MDRT7-0162	1.62	12	45	3	●
MDRT7-0163	1.63	12	45	3	●
MDRT7-0164	1.64	12	45	3	●
MDRT7-0165	1.65	12	45	3	●
MDRT7-0166	1.66	12	45	3	●
MDRT7-0167	1.67	12	45	3	●
MDRT7-0168	1.68	12	45	3	●
MDRT7-0169	1.69	12	45	3	●
MDRT7-0170	1.7	12	45	3	●
MDRT7-0171	1.71	13	45	3	●
MDRT7-0172	1.72	13	45	3	●
MDRT7-0173	1.73	13	45	3	●
MDRT7-0174	1.74	13	45	3	●
MDRT7-0175	1.75	13	45	3	●
MDRT7-0176	1.76	13	45	3	●
MDRT7-0177	1.77	13	45	3	●
MDRT7-0178	1.78	13	45	3	●
MDRT7-0179	1.79	13	45	3	●
MDRT7-0180	1.8	13	45	3	●
MDRT7-0181	1.81	13	45	3	●
MDRT7-0182	1.82	13	45	3	●
MDRT7-0183	1.83	13	45	3	●
MDRT7-0184	1.84	13	45	3	●
MDRT7-0185	1.85	13	45	3	●
MDRT7-0186	1.86	13	45	3	●
MDRT7-0187	1.87	13	45	3	●
MDRT7-0188	1.88	13	45	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRT7-0189	1.89	13	45	3	●
MDRT7-0190	1.9	14	45	3	●
MDRT7-0191	1.91	14	45	3	●
MDRT7-0192	1.92	14	45	3	●
MDRT7-0193	1.93	14	45	3	●
MDRT7-0194	1.94	14	45	3	●
MDRT7-0195	1.95	14	45	3	●
MDRT7-0196	1.96	14	45	3	●
MDRT7-0197	1.97	14	45	3	●
MDRT7-0198	1.98	14	45	3	●
MDRT7-0199	1.99	14	45	3	●
MDRT7-0200	2.0	14.5	45	3	●
MDRT7-0201	2.01	14.5	45	3	●
MDRT7-0202	2.02	14.5	45	3	●
MDRT7-0203	2.03	14.5	45	3	●
MDRT7-0204	2.04	14.5	45	3	●
MDRT7-0205	2.05	14.5	45	3	●
MDRT7-0206	2.06	14.5	45	3	●
MDRT7-0207	2.07	14.5	45	3	●
MDRT7-0208	2.08	14.5	45	3	●
MDRT7-0209	2.09	14.5	45	3	●
MDRT7-0210	2.1	15.5	45	3	●
MDRT7-0211	2.11	15.5	45	3	●
MDRT7-0212	2.12	15.5	45	3	●
MDRT7-0213	2.13	15.5	45	3	●
MDRT7-0214	2.14	15.5	45	3	●
MDRT7-0215	2.15	15.5	45	3	●
MDRT7-0216	2.16	15.5	45	3	●
MDRT7-0217	2.17	15.5	45	3	●
MDRT7-0218	2.18	15.5	45	3	●
MDRT7-0219	2.19	15.5	45	3	●
MDRT7-0220	2.2	16.0	45	3	●
MDRT7-0221	2.21	16.0	45	3	●
MDRT7-0222	2.22	16.0	45	3	●
MDRT7-0223	2.23	16.0	45	3	●
MDRT7-0224	2.24	16.0	45	3	●
MDRT7-0225	2.25	16.0	45	3	●
MDRT7-0226	2.26	16.0	50	3	●
MDRT7-0227	2.27	16.0	50	3	●
MDRT7-0228	2.28	16.0	50	3	●
MDRT7-0229	2.29	16.0	50	3	●
MDRT7-0230	2.3	16.0	50	3	●
MDRT7-0231	2.31	16.5	50	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRT7 - 0232	2.32	16.5	50	3	●
MDRT7 - 0233	2.33	16.5	50	3	●
MDRT7 - 0234	2.34	16.5	50	3	●
MDRT7 - 0235	2.35	16.5	50	3	●
MDRT7 - 0236	2.36	16.5	50	3	●
MDRT7 - 0237	2.37	16.5	50	3	●
MDRT7 - 0238	2.38	16.5	50	3	●
MDRT7 - 0239	2.39	16.5	50	3	●
MDRT7 - 0240	2.4	17.5	50	3	●
MDRT7 - 0241	2.41	17.5	50	3	●
MDRT7 - 0242	2.42	17.5	50	3	●
MDRT7 - 0243	2.43	17.5	50	3	●
MDRT7 - 0244	2.44	17.5	50	3	●
MDRT7 - 0245	2.45	17.5	50	3	●
MDRT7 - 0246	2.46	20	54	3	●
MDRT7 - 0247	2.47	20	54	3	●
MDRT7 - 0248	2.48	20	54	3	●
MDRT7 - 0249	2.49	20	54	3	●
MDRT7 - 0250	2.5	20	54	3	●
MDRT7 - 0251	2.51	20	54	3	●
MDRT7 - 0252	2.52	20	54	3	●
MDRT7 - 0253	2.53	20	54	3	●
MDRT7 - 0254	2.54	20	54	3	●
MDRT7 - 0255	2.55	20	54	3	●
MDRT7 - 0256	2.56	20	54	3	●
MDRT7 - 0257	2.57	20	54	3	●
MDRT7 - 0258	2.58	20	54	3	●
MDRT7 - 0259	2.59	20	54	3	●
MDRT7 - 0260	2.6	20	54	3	●
MDRT7 - 0261	2.61	20	54	3	●
MDRT7 - 0262	2.62	20	54	3	●
MDRT7 - 0263	2.63	20	54	3	●
MDRT7 - 0264	2.64	20	54	3	●
MDRT7 - 0265	2.65	20	54	3	●

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRT7 - 0266	2.66	20	54	3	●
MDRT7 - 0267	2.67	20	54	3	●
MDRT7 - 0268	2.68	20	54	3	●
MDRT7 - 0269	2.69	20	54	3	●
MDRT7 - 0270	2.7	20	54	3	●
MDRT7 - 0271	2.71	20	54	3	●
MDRT7 - 0272	2.72	20	54	3	●
MDRT7 - 0273	2.73	20	54	3	●
MDRT7 - 0274	2.74	20	54	3	●
MDRT7 - 0275	2.75	20	54	3	●
MDRT7 - 0276	2.76	20	54	3	●
MDRT7 - 0277	2.77	20	54	3	●
MDRT7 - 0278	2.78	20	54	3	●
MDRT7 - 0279	2.79	20	54	3	●
MDRT7 - 0280	2.8	20	54	3	●
MDRT7 - 0281	2.81	20	54	3	●
MDRT7 - 0282	2.82	20	54	3	●
MDRT7 - 0283	2.83	20	54	3	●
MDRT7 - 0284	2.84	20	54	3	●
MDRT7 - 0285	2.85	20	54	3	●
MDRT7 - 0286	2.86	20	54	3	●
MDRT7 - 0287	2.87	20	54	3	●
MDRT7 - 0288	2.88	20	54	3	●
MDRT7 - 0289	2.89	20	54	3	●
MDRT7 - 0290	2.9	20	54	3	●
MDRT7 - 0291	2.91	20	54	3	●
MDRT7 - 0292	2.92	20	54	3	●
MDRT7 - 0293	2.93	20	54	3	●
MDRT7 - 0294	2.94	20	54	3	●
MDRT7 - 0295	2.95	20	54	3	●
MDRT7 - 0296	2.96	20	54	3	●
MDRT7 - 0297	2.97	20	54	3	●
MDRT7 - 0298	2.98	20	54	3	●
MDRT7 - 0299	2.99	20	54	3	●

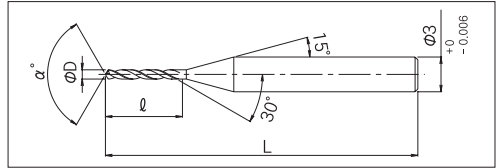
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로 그래핀 코팅 드릴 7XD

Micro Graphene Coating Drill Regular Flute Length

MDRG7



■ 비철금속 정밀 가공용 드릴

Designed for precision machining of non-ferrous materials.

■ 순수 카본으로 다이아몬드 결정구조에 가까운 얇은 코팅으로 우수한 품질 제품

Diamond-like pure carbon coating delivers excellent surface finish and superior machining performance.

ØD ≥ 1.0



날경공차 : +0~-0.005

ØD Tolerance

단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG7-0010	0.1	0.8	40	3	○
MDRG7-0011	0.11	0.8	40	3	○
MDRG7-0012	0.12	1	40	3	○
MDRG7-0013	0.13	1	40	3	○
MDRG7-0014	0.14	1	40	3	○
MDRG7-0015	0.15	1.2	40	3	●
MDRG7-0016	0.16	1.2	40	3	○
MDRG7-0017	0.17	1.2	40	3	○
MDRG7-0018	0.18	1.5	40	3	○
MDRG7-0019	0.19	1.5	40	3	○
MDRG7-0020	0.2	1.8	40	3	●
MDRG7-0021	0.21	1.8	40	3	○
MDRG7-0022	0.22	1.8	40	3	○
MDRG7-0023	0.23	1.8	40	3	○
MDRG7-0024	0.24	1.8	40	3	○
MDRG7-0025	0.25	2	40	3	●
MDRG7-0026	0.26	2	40	3	○
MDRG7-0027	0.27	2	40	3	○
MDRG7-0028	0.28	2	40	3	○
MDRG7-0029	0.29	2	40	3	○
MDRG7-0030	0.3	2.5	40	3	●
MDRG7-0031	0.31	2.5	40	3	○
MDRG7-0032	0.32	2.5	40	3	○
MDRG7-0033	0.33	2.5	40	3	○
MDRG7-0034	0.34	2.5	40	3	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG7-0035	0.35	2.5	40	3	●
MDRG7-0036	0.36	2.8	40	3	○
MDRG7-0037	0.37	2.8	40	3	○
MDRG7-0038	0.38	2.8	40	3	○
MDRG7-0039	0.39	2.8	40	3	○
MDRG7-0040	0.4	3	40	3	●
MDRG7-0041	0.41	3	40	3	○
MDRG7-0042	0.42	3	40	3	○
MDRG7-0043	0.43	3.2	40	3	○
MDRG7-0044	0.44	3.2	40	3	○
MDRG7-0045	0.45	3.2	40	3	●
MDRG7-0046	0.46	3.5	40	3	○
MDRG7-0047	0.47	3.5	40	3	○
MDRG7-0048	0.48	3.5	40	3	○
MDRG7-0049	0.49	3.8	40	3	○
MDRG7-0050	0.5	3.8	40	3	●
MDRG7-0051	0.51	3.8	40	3	○
MDRG7-0052	0.52	3.8	40	3	○
MDRG7-0053	0.53	3.8	40	3	○
MDRG7-0054	0.54	4	40	3	○
MDRG7-0055	0.55	4	40	3	●
MDRG7-0056	0.56	4	40	3	○
MDRG7-0057	0.57	4.3	40	3	○
MDRG7-0058	0.58	4.3	40	3	○
MDRG7-0059	0.59	4.3	40	3	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRG7-0060	0.6	4.5	40	3	●
MDRG7-0061	0.61	4.5	40	3	○
MDRG7-0062	0.62	4.5	40	3	○
MDRG7-0063	0.63	4.5	40	3	○
MDRG7-0064	0.64	4.5	40	3	○
MDRG7-0065	0.65	5	40	3	●
MDRG7-0066	0.66	5	40	3	○
MDRG7-0067	0.67	5	40	3	○
MDRG7-0068	0.68	5	40	3	○
MDRG7-0069	0.69	5	40	3	○
MDRG7-0070	0.7	5.5	40	3	●
MDRG7-0071	0.71	5.5	40	3	○
MDRG7-0072	0.72	5.5	40	3	○
MDRG7-0073	0.73	5.5	40	3	○
MDRG7-0074	0.74	5.5	40	3	○
MDRG7-0075	0.75	5.5	40	3	●
MDRG7-0076	0.76	5.5	40	3	○
MDRG7-0077	0.77	5.5	40	3	○
MDRG7-0078	0.78	5.5	40	3	○
MDRG7-0079	0.79	6	40	3	○
MDRG7-0080	0.8	6	40	3	●
MDRG7-0081	0.81	6	40	3	○
MDRG7-0082	0.82	6	40	3	○
MDRG7-0083	0.83	6	40	3	○
MDRG7-0084	0.84	6	40	3	○
MDRG7-0085	0.85	6	40	3	●
MDRG7-0086	0.86	6.5	40	3	○
MDRG7-0087	0.87	6.5	40	3	○
MDRG7-0088	0.88	6.5	40	3	○
MDRG7-0089	0.89	6.5	40	3	○
MDRG7-0090	0.9	6.5	40	3	●
MDRG7-0091	0.91	6.5	40	3	○
MDRG7-0092	0.92	6.5	40	3	○
MDRG7-0093	0.93	7	40	3	○
MDRG7-0094	0.94	7	40	3	○
MDRG7-0095	0.95	7	40	3	●
MDRG7-0096	0.96	7	40	3	○
MDRG7-0097	0.97	7	40	3	○
MDRG7-0098	0.98	7	40	3	○
MDRG7-0099	0.99	7	40	3	○
MDRG7-0100	1.0	7	45	3	●
MDRG7-0101	1.01	7.5	45	3	○
MDRG7-0102	1.02	7.5	45	3	○

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRG7-0103	1.03	7.5	45	3	○
MDRG7-0104	1.04	7.5	45	3	○
MDRG7-0105	1.05	7.5	45	3	●
MDRG7-0106	1.06	8	45	3	○
MDRG7-0107	1.07	8	45	3	○
MDRG7-0108	1.08	8	45	3	○
MDRG7-0109	1.09	8	45	3	○
MDRG7-0110	1.1	8	45	3	●
MDRG7-0111	1.11	8	45	3	○
MDRG7-0112	1.12	8	45	3	○
MDRG7-0113	1.13	8	45	3	○
MDRG7-0114	1.14	8	45	3	○
MDRG7-0115	1.15	8.5	45	3	●
MDRG7-0116	1.16	8.5	45	3	○
MDRG7-0117	1.17	8.5	45	3	○
MDRG7-0118	1.18	8.5	45	3	○
MDRG7-0119	1.19	8.5	45	3	○
MDRG7-0120	1.2	8.5	45	3	●
MDRG7-0121	1.21	9	45	3	○
MDRG7-0122	1.22	9	45	3	○
MDRG7-0123	1.23	9	45	3	○
MDRG7-0124	1.24	9	45	3	○
MDRG7-0125	1.25	9	45	3	●
MDRG7-0126	1.26	9.5	45	3	○
MDRG7-0127	1.27	9.5	45	3	○
MDRG7-0128	1.28	9.5	45	3	○
MDRG7-0129	1.29	9.5	45	3	○
MDRG7-0130	1.3	9.5	45	3	●
MDRG7-0131	1.31	9.5	45	3	○
MDRG7-0132	1.32	9.5	45	3	○
MDRG7-0133	1.33	9.5	45	3	○
MDRG7-0134	1.34	9.5	45	3	○
MDRG7-0135	1.35	9.5	45	3	●
MDRG7-0136	1.36	10	45	3	○
MDRG7-0137	1.37	10	45	3	○
MDRG7-0138	1.38	10	45	3	○
MDRG7-0139	1.39	10	45	3	○
MDRG7-0140	1.4	10	45	3	●
MDRG7-0141	1.41	10	45	3	○
MDRG7-0142	1.42	10	45	3	○
MDRG7-0143	1.43	10	45	3	○
MDRG7-0144	1.44	10	45	3	○
MDRG7-0145	1.45	10	45	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG7-0146	1.46	11	45	3	○
MDRG7-0147	1.47	11	45	3	○
MDRG7-0148	1.48	11	45	3	○
MDRG7-0149	1.49	11	45	3	○
MDRG7-0150	1.5	11	45	3	●
MDRG7-0151	1.51	11	45	3	○
MDRG7-0152	1.52	11	45	3	○
MDRG7-0153	1.53	11	45	3	○
MDRG7-0154	1.54	11	45	3	○
MDRG7-0155	1.55	11	45	3	●
MDRG7-0156	1.56	12	45	3	○
MDRG7-0157	1.57	12	45	3	○
MDRG7-0158	1.58	12	45	3	○
MDRG7-0159	1.59	12	45	3	○
MDRG7-0160	1.6	12	45	3	●
MDRG7-0161	1.61	12	45	3	○
MDRG7-0162	1.62	12	45	3	○
MDRG7-0163	1.63	12	45	3	○
MDRG7-0164	1.64	12	45	3	○
MDRG7-0165	1.65	12	45	3	●
MDRG7-0166	1.66	12	45	3	○
MDRG7-0167	1.67	12	45	3	○
MDRG7-0168	1.68	12	45	3	○
MDRG7-0169	1.69	12	45	3	○
MDRG7-0170	1.7	12	45	3	●
MDRG7-0171	1.71	13	45	3	○
MDRG7-0172	1.72	13	45	3	○
MDRG7-0173	1.73	13	45	3	○
MDRG7-0174	1.74	13	45	3	○
MDRG7-0175	1.75	13	45	3	●
MDRG7-0176	1.76	13	45	3	○
MDRG7-0177	1.77	13	45	3	○
MDRG7-0178	1.78	13	45	3	○
MDRG7-0179	1.79	13	45	3	○
MDRG7-0180	1.8	13	45	3	●
MDRG7-0181	1.81	13	45	3	○
MDRG7-0182	1.82	13	45	3	○
MDRG7-0183	1.83	13	45	3	○
MDRG7-0184	1.84	13	45	3	○
MDRG7-0185	1.85	13	45	3	●
MDRG7-0186	1.86	13	45	3	○
MDRG7-0187	1.87	13	45	3	○
MDRG7-0188	1.88	13	45	3	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG7-0189	1.89	13	45	3	○
MDRG7-0190	1.9	14	45	3	●
MDRG7-0191	1.91	14	45	3	○
MDRG7-0192	1.92	14	45	3	○
MDRG7-0193	1.93	14	45	3	○
MDRG7-0194	1.94	14	45	3	○
MDRG7-0195	1.95	14	45	3	●
MDRG7-0196	1.96	14	45	3	○
MDRG7-0197	1.97	14	45	3	○
MDRG7-0198	1.98	14	45	3	○
MDRG7-0199	1.99	14	45	3	○
MDRG7-0200	2.0	14.5	45	3	●
MDRG7-0201	2.01	14.5	45	3	○
MDRG7-0202	2.02	14.5	45	3	○
MDRG7-0203	2.03	14.5	45	3	○
MDRG7-0204	2.04	14.5	45	3	○
MDRG7-0205	2.05	14.5	45	3	●
MDRG7-0206	2.06	14.5	45	3	○
MDRG7-0207	2.07	14.5	45	3	○
MDRG7-0208	2.08	14.5	45	3	○
MDRG7-0209	2.09	14.5	45	3	○
MDRG7-0210	2.1	15.5	45	3	●
MDRG7-0211	2.11	15.5	45	3	○
MDRG7-0212	2.12	15.5	45	3	○
MDRG7-0213	2.13	15.5	45	3	○
MDRG7-0214	2.14	15.5	45	3	○
MDRG7-0215	2.15	15.5	45	3	●
MDRG7-0216	2.16	15.5	45	3	○
MDRG7-0217	2.17	15.5	45	3	○
MDRG7-0218	2.18	15.5	45	3	○
MDRG7-0219	2.19	15.5	45	3	○
MDRG7-0220	2.2	16.0	45	3	●
MDRG7-0221	2.21	16.0	45	3	○
MDRG7-0222	2.22	16.0	45	3	○
MDRG7-0223	2.23	16.0	45	3	○
MDRG7-0224	2.24	16.0	45	3	○
MDRG7-0225	2.25	16.0	45	3	○
MDRG7-0226	2.26	16.0	50	3	○
MDRG7-0227	2.27	16.0	50	3	○
MDRG7-0228	2.28	16.0	50	3	○
MDRG7-0229	2.29	16.0	50	3	○
MDRG7-0230	2.3	16.0	50	3	●
MDRG7-0231	2.31	16.5	50	3	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG7 - 0232	2.32	16.5	50	3	○
MDRG7 - 0233	2.33	16.5	50	3	○
MDRG7 - 0234	2.34	16.5	50	3	○
MDRG7 - 0235	2.35	16.5	50	3	●
MDRG7 - 0236	2.36	16.5	50	3	○
MDRG7 - 0237	2.37	16.5	50	3	○
MDRG7 - 0238	2.38	16.5	50	3	○
MDRG7 - 0239	2.39	16.5	50	3	○
MDRG7 - 0240	2.4	17.5	50	3	●
MDRG7 - 0241	2.41	17.5	50	3	○
MDRG7 - 0242	2.42	17.5	50	3	○
MDRG7 - 0243	2.43	17.5	50	3	○
MDRG7 - 0244	2.44	17.5	50	3	○
MDRG7 - 0245	2.45	17.5	50	3	●
MDRG7 - 0246	2.46	20	54	3	○
MDRG7 - 0247	2.47	20	54	3	○
MDRG7 - 0248	2.48	20	54	3	○
MDRG7 - 0249	2.49	20	54	3	○
MDRG7 - 0250	2.5	20	54	3	●
MDRG7 - 0251	2.51	20	54	3	○
MDRG7 - 0252	2.52	20	54	3	○
MDRG7 - 0253	2.53	20	54	3	○
MDRG7 - 0254	2.54	20	54	3	○
MDRG7 - 0255	2.55	20	54	3	●
MDRG7 - 0256	2.56	20	54	3	○
MDRG7 - 0257	2.57	20	54	3	○
MDRG7 - 0258	2.58	20	54	3	○
MDRG7 - 0259	2.59	20	54	3	○
MDRG7 - 0260	2.6	20	54	3	●
MDRG7 - 0261	2.61	20	54	3	○
MDRG7 - 0262	2.62	20	54	3	○
MDRG7 - 0263	2.63	20	54	3	○
MDRG7 - 0264	2.64	20	54	3	○
MDRG7 - 0265	2.65	20	54	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG7 - 0266	2.66	20	54	3	○
MDRG7 - 0267	2.67	20	54	3	○
MDRG7 - 0268	2.68	20	54	3	○
MDRG7 - 0269	2.69	20	54	3	○
MDRG7 - 0270	2.7	20	54	3	●
MDRG7 - 0271	2.71	20	54	3	○
MDRG7 - 0272	2.72	20	54	3	○
MDRG7 - 0273	2.73	20	54	3	○
MDRG7 - 0274	2.74	20	54	3	○
MDRG7 - 0275	2.75	20	54	3	●
MDRG7 - 0276	2.76	20	54	3	○
MDRG7 - 0277	2.77	20	54	3	○
MDRG7 - 0278	2.78	20	54	3	○
MDRG7 - 0279	2.79	20	54	3	○
MDRG7 - 0280	2.8	20	54	3	●
MDRG7 - 0281	2.81	20	54	3	○
MDRG7 - 0282	2.82	20	54	3	○
MDRG7 - 0283	2.83	20	54	3	○
MDRG7 - 0284	2.84	20	54	3	○
MDRG7 - 0285	2.85	20	54	3	●
MDRG7 - 0286	2.86	20	54	3	○
MDRG7 - 0287	2.87	20	54	3	○
MDRG7 - 0288	2.88	20	54	3	○
MDRG7 - 0289	2.89	20	54	3	○
MDRG7 - 0290	2.9	20	54	3	●
MDRG7 - 0291	2.91	20	54	3	○
MDRG7 - 0292	2.92	20	54	3	○
MDRG7 - 0293	2.93	20	54	3	○
MDRG7 - 0294	2.94	20	54	3	○
MDRG7 - 0295	2.95	20	54	3	●
MDRG7 - 0296	2.96	20	54	3	○
MDRG7 - 0297	2.97	20	54	3	○
MDRG7 - 0298	2.98	20	54	3	○
MDRG7 - 0299	2.99	20	54	3	○

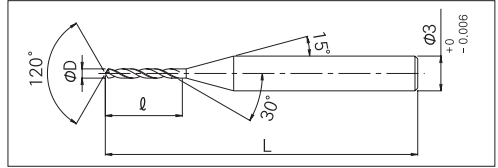
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로드릴 10XD

Micro Drill Semi Long Flute Length

MDR10



- 미세홀 정밀 가공용 드릴
Designed for precision micro-hole machining.
- 일반 강재부터 비철, 수지까지 폭넓은 적용 가능
Wide application available covering from steel to non-ferrous and resin.

날경공차 : +0~-0.005
 $\varnothing D$ Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(ℓ) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MDR10-0100	0.1	1.5	40	3	○
MDR10-0011	0.11	1.5	40	3	○
MDR10-0012	0.12	1.5	40	3	○
MDR10-0013	0.13	1.5	40	3	○
MDR10-0014	0.14	1.5	40	3	○
MDR10-0015	0.15	2.5	40	3	○
MDR10-0016	0.16	2.5	40	3	○
MDR10-0017	0.17	2.5	40	3	○
MDR10-0018	0.18	2.5	40	3	○
MDR10-0019	0.19	2.5	40	3	○
MDR10-0020	0.2	2.5	40	3	○
MDR10-0021	0.21	2.5	40	3	○
MDR10-0022	0.22	2.5	40	3	○
MDR10-0023	0.23	2.5	40	3	○
MDR10-0024	0.24	2.5	40	3	○
MDR10-0025	0.25	2.5	40	3	○
MDR10-0026	0.26	3.5	40	3	○
MDR10-0027	0.27	3.5	40	3	○
MDR10-0028	0.28	3.5	40	3	○
MDR10-0029	0.29	3.5	40	3	○
MDR10-0030	0.3	3.5	40	3	○
MDR10-0031	0.31	4	40	3	○
MDR10-0032	0.32	4	40	3	○
MDR10-0033	0.33	4	40	3	○
MDR10-0034	0.34	4	40	3	○

제품번호 Code No.	외경(D) Dia	날장(ℓ) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MDR10-0035	0.35	4	40	3	○
MDR10-0036	0.36	5	40	3	○
MDR10-0037	0.37	5	40	3	○
MDR10-0038	0.38	5	40	3	○
MDR10-0039	0.39	5	40	3	○
MDR10-0040	0.4	5	40	3	○
MDR10-0041	0.41	5	40	3	○
MDR10-0042	0.42	5	40	3	○
MDR10-0043	0.43	5	40	3	○
MDR10-0044	0.44	5	40	3	○
MDR10-0045	0.45	5	40	3	○
MDR10-0046	0.46	6	40	3	○
MDR10-0047	0.47	6	40	3	○
MDR10-0048	0.48	6	40	3	○
MDR10-0049	0.49	6	40	3	○
MDR10-0050	0.5	6	40	3	●
MDR10-0051	0.51	6	40	3	○
MDR10-0052	0.52	6	40	3	○
MDR10-0053	0.53	6	40	3	○
MDR10-0054	0.54	6	40	3	○
MDR10-0055	0.55	6	40	3	●
MDR10-0056	0.56	7	40	3	○
MDR10-0057	0.57	7	40	3	○
MDR10-0058	0.58	7	40	3	○
MDR10-0059	0.59	7	40	3	○

● = 표준 재고품 / Standard stock item
 ○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR10-0060	0.6	7	40	3	●
MDR10-0061	0.61	7	40	3	○
MDR10-0062	0.62	7	40	3	○
MDR10-0063	0.63	7	40	3	○
MDR10-0064	0.64	7	40	3	○
MDR10-0065	0.65	7	40	3	●
MDR10-0066	0.66	8	40	3	○
MDR10-0067	0.67	8	40	3	○
MDR10-0068	0.68	8	40	3	○
MDR10-0069	0.69	8	40	3	○
MDR10-0070	0.7	10	40	3	●
MDR10-0071	0.71	10	40	3	○
MDR10-0072	0.72	10	40	3	○
MDR10-0073	0.73	10	40	3	○
MDR10-0074	0.74	10	40	3	○
MDR10-0075	0.75	10	40	3	●
MDR10-0076	0.76	10	40	3	○
MDR10-0077	0.77	10	40	3	○
MDR10-0078	0.78	10	40	3	○
MDR10-0079	0.79	10	40	3	○
MDR10-0080	0.8	10	40	3	●
MDR10-0081	0.81	10	40	3	○
MDR10-0082	0.82	10	40	3	○
MDR10-0083	0.83	10	40	3	○
MDR10-0084	0.84	10	40	3	○
MDR10-0085	0.85	10	40	3	●
MDR10-0086	0.86	10	40	3	○
MDR10-0087	0.87	10	40	3	○
MDR10-0088	0.88	10	40	3	○
MDR10-0089	0.89	10	40	3	○
MDR10-0090	0.9	12	40	3	●
MDR10-0091	0.91	12	40	3	○
MDR10-0092	0.92	12	40	3	○
MDR10-0093	0.93	12	40	3	○
MDR10-0094	0.94	12	40	3	○
MDR10-0095	0.95	12	40	3	●
MDR10-0096	0.96	12	40	3	○
MDR10-0097	0.97	12	40	3	○
MDR10-0098	0.98	12	40	3	○
MDR10-0099	0.99	12	40	3	○
MDR10-0100	1.0	12	40	3	●
MDR10-0101	1.01	12	40	3	○
MDR10-0102	1.02	12	40	3	○

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR10-0103	1.03	12	40	3	○
MDR10-0104	1.04	12	40	3	○
MDR10-0105	1.05	12	40	3	●
MDR10-0106	1.06	12	40	3	○
MDR10-0107	1.07	12	40	3	○
MDR10-0108	1.08	12	40	3	○
MDR10-0109	1.09	12	40	3	○
MDR10-0110	1.1	12	40	3	●
MDR10-0111	1.11	12	40	3	○
MDR10-0112	1.12	12	40	3	○
MDR10-0113	1.13	12	40	3	○
MDR10-0114	1.14	12	40	3	○
MDR10-0115	1.15	12	40	3	●
MDR10-0116	1.16	12	40	3	○
MDR10-0117	1.17	12	40	3	○
MDR10-0118	1.18	12	40	3	○
MDR10-0119	1.19	12	40	3	○
MDR10-0120	1.2	13	40	3	●
MDR10-0121	1.21	13	40	3	○
MDR10-0122	1.22	13	40	3	○
MDR10-0123	1.23	13	40	3	○
MDR10-0124	1.24	13	40	3	○
MDR10-0125	1.25	15	45	3	●
MDR10-0126	1.26	15	45	3	○
MDR10-0127	1.27	15	45	3	○
MDR10-0128	1.28	15	45	3	○
MDR10-0129	1.29	15	45	3	○
MDR10-0130	1.3	15	45	3	●
MDR10-0131	1.31	15	45	3	○
MDR10-0132	1.32	15	45	3	○
MDR10-0133	1.33	15	45	3	○
MDR10-0134	1.34	15	45	3	○
MDR10-0135	1.35	15	45	3	●
MDR10-0136	1.36	15	45	3	○
MDR10-0137	1.37	15	45	3	○
MDR10-0138	1.38	15	45	3	○
MDR10-0139	1.39	15	45	3	○
MDR10-0140	1.4	15	45	3	●
MDR10-0141	1.41	15	45	3	○
MDR10-0142	1.42	15	45	3	○
MDR10-0143	1.43	15	45	3	○
MDR10-0144	1.44	15	45	3	○
MDR10-0145	1.45	15	45	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR10-0146	1.46	15	45	3	○
MDR10-0147	1.47	15	45	3	○
MDR10-0148	1.48	15	45	3	○
MDR10-0149	1.49	15	45	3	○
MDR10-0150	1.5	15	45	3	●
MDR10-0151	1.51	15	45	3	○
MDR10-0152	1.52	15	45	3	○
MDR10-0153	1.53	15	45	3	○
MDR10-0154	1.54	15	45	3	○
MDR10-0155	1.55	15	45	3	●
MDR10-0156	1.56	15	45	3	○
MDR10-0157	1.57	15	45	3	○
MDR10-0158	1.58	15	45	3	○
MDR10-0159	1.59	15	45	3	○
MDR10-0160	1.6	15	45	3	●
MDR10-0161	1.61	15	45	3	○
MDR10-0162	1.62	15	45	3	○
MDR10-0163	1.63	15	45	3	○
MDR10-0164	1.64	15	45	3	○
MDR10-0165	1.65	15	45	3	●
MDR10-0166	1.66	18	45	3	○
MDR10-0167	1.67	18	45	3	○
MDR10-0168	1.68	18	45	3	○
MDR10-0169	1.69	18	45	3	○
MDR10-0170	1.7	18	45	3	●
MDR10-0171	1.71	18	45	3	○
MDR10-0172	1.72	18	45	3	○
MDR10-0173	1.73	18	45	3	○
MDR10-0174	1.74	18	45	3	○
MDR10-0175	1.75	18	45	3	●
MDR10-0176	1.76	18	45	3	○
MDR10-0177	1.77	18	45	3	○
MDR10-0178	1.78	18	45	3	○
MDR10-0179	1.79	18	45	3	○
MDR10-0180	1.8	18	45	3	●
MDR10-0181	1.81	19	45	3	○
MDR10-0182	1.82	19	45	3	○
MDR10-0183	1.83	19	45	3	○
MDR10-0184	1.84	19	45	3	○
MDR10-0185	1.85	19	45	3	●
MDR10-0186	1.86	19	45	3	○
MDR10-0187	1.87	19	45	3	○
MDR10-0188	1.88	19	45	3	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR10-0189	1.89	19	45	3	○
MDR10-0190	1.9	19	45	3	●
MDR10-0191	1.91	20	54	3	○
MDR10-0192	1.92	20	54	3	○
MDR10-0193	1.93	20	54	3	○
MDR10-0194	1.94	20	54	3	○
MDR10-0195	1.95	20	54	3	●
MDR10-0196	1.96	20	54	3	○
MDR10-0197	1.97	20	54	3	○
MDR10-0198	1.98	20	54	3	○
MDR10-0199	1.99	20	54	3	○
MDR10-0200	2.0	20	54	3	●
MDR10-0201	2.01	20	54	3	○
MDR10-0202	2.02	20	54	3	○
MDR10-0203	2.03	20	54	3	○
MDR10-0204	2.04	20	54	3	○
MDR10-0205	2.05	20	54	3	●
MDR10-0206	2.06	20	54	3	○
MDR10-0207	2.07	20	54	3	○
MDR10-0208	2.08	20	54	3	○
MDR10-0209	2.09	20	54	3	○
MDR10-0210	2.1	22	54	3	●
MDR10-0211	2.11	22	54	3	○
MDR10-0212	2.12	22	54	3	○
MDR10-0213	2.13	22	54	3	○
MDR10-0214	2.14	22	54	3	○
MDR10-0215	2.15	22	54	3	●
MDR10-0216	2.16	22	54	3	○
MDR10-0217	2.17	22	54	3	○
MDR10-0218	2.18	22	54	3	○
MDR10-0219	2.19	22	54	3	○
MDR10-0220	2.2	22	54	3	●
MDR10-0221	2.21	22	54	3	○
MDR10-0222	2.22	22	54	3	○
MDR10-0223	2.23	22	54	3	○
MDR10-0224	2.24	22	54	3	○
MDR10-0225	2.25	22	54	3	●
MDR10-0226	2.26	22	54	3	○
MDR10-0227	2.27	22	54	3	○
MDR10-0228	2.28	22	54	3	○
MDR10-0229	2.29	22	54	3	●
MDR10-0230	2.3	22	54	3	○
MDR10-0231	2.31	22	54	3	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR10-0232	2.32	22	54	3	○
MDR10-0233	2.33	22	54	3	○
MDR10-0234	2.34	22	54	3	○
MDR10-0235	2.35	22	54	3	●
MDR10-0236	2.36	22	54	3	○
MDR10-0237	2.37	22	54	3	○
MDR10-0238	2.38	22	54	3	○
MDR10-0239	2.39	22	54	3	○
MDR10-0240	2.4	22	54	3	●
MDR10-0241	2.41	22	54	3	○
MDR10-0242	2.42	22	54	3	○
MDR10-0243	2.43	22	54	3	○
MDR10-0244	2.44	22	54	3	○
MDR10-0245	2.45	22	54	3	●
MDR10-0246	2.46	22	54	3	○
MDR10-0247	2.47	22	54	3	○
MDR10-0248	2.48	22	54	3	○
MDR10-0249	2.49	22	54	3	○
MDR10-0250	2.5	25	54	3	●
MDR10-0251	2.51	25	54	3	○
MDR10-0252	2.52	25	54	3	○
MDR10-0253	2.53	25	54	3	○
MDR10-0254	2.54	25	54	3	○
MDR10-0255	2.55	25	54	3	●
MDR10-0256	2.56	25	54	3	○
MDR10-0257	2.57	25	54	3	○
MDR10-0258	2.58	25	54	3	○
MDR10-0259	2.59	25	54	3	○
MDR10-0260	2.6	25	54	3	●
MDR10-0261	2.61	25	54	3	○
MDR10-0262	2.62	25	54	3	○
MDR10-0263	2.63	25	54	3	○
MDR10-0264	2.64	25	54	3	○
MDR10-0265	2.65	27	60	3	●
MDR10-0266	2.66	27	60	3	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR10-0267	2.67	27	60	3	○
MDR10-0268	2.68	27	60	3	○
MDR10-0269	2.69	27	60	3	○
MDR10-0270	2.7	27	60	3	●
MDR10-0271	2.71	27	60	3	○
MDR10-0272	2.72	27	60	3	○
MDR10-0273	2.73	27	60	3	○
MDR10-0274	2.74	27	60	3	○
MDR10-0275	2.75	27	60	3	●
MDR10-0276	2.76	27	60	3	○
MDR10-0277	2.77	27	60	3	○
MDR10-0278	2.78	27	60	3	○
MDR10-0279	2.79	27	60	3	○
MDR10-0280	2.8	30	64	3	●
MDR10-0281	2.81	30	64	3	○
MDR10-0282	2.82	30	64	3	○
MDR10-0283	2.83	30	64	3	○
MDR10-0284	2.84	30	64	3	○
MDR10-0285	2.85	30	64	3	●
MDR10-0286	2.86	30	64	3	○
MDR10-0287	2.87	30	64	3	○
MDR10-0288	2.88	30	64	3	○
MDR10-0289	2.89	30	64	3	○
MDR10-0290	2.9	30	64	3	●
MDR10-0291	2.91	30	64	3	○
MDR10-0292	2.92	30	64	3	○
MDR10-0293	2.93	30	64	3	○
MDR10-0294	2.94	30	64	3	○
MDR10-0295	2.95	30	64	3	●
MDR10-0296	2.96	30	64	3	○
MDR10-0297	2.97	30	64	3	○
MDR10-0298	2.98	30	64	3	○
MDR10-0299	2.99	30	64	3	○
MDR10-0300	3.0	30	64	3	●

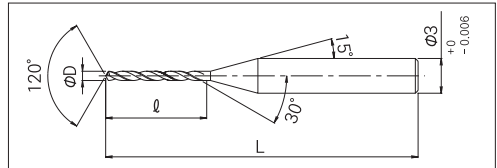
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로롱드릴 20xD

Micro Drill Long Flute Length

MDRL



■ 정밀 소경 깊은 홀 가공용

For drilling precision small deep holes.

■ 일반 강재부터 비철, 수지까지 폭넓은 적용 가능

Wide application available covering from steel to non-ferrous and resin.

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRL-0010	0.1	2.5	40	3	○
MDRL-0011	0.11	2.5	40	3	○
MDRL-0012	0.12	3	40	3	○
MDRL-0013	0.13	3	40	3	○
MDRL-0014	0.14	3	40	3	○
MDRL-0015	0.15	4	40	3	○
MDRL-0016	0.16	4	40	3	○
MDRL-0017	0.17	4.5	40	3	○
MDRL-0018	0.18	4.5	40	3	○
MDRL-0019	0.19	4.5	40	3	○
MDRL-0020	0.2	6	40	3	○
MDRL-0021	0.21	6	40	3	○
MDRL-0022	0.22	6	40	3	○
MDRL-0023	0.23	6	40	3	○
MDRL-0024	0.24	6	40	3	○
MDRL-0025	0.25	7	40	3	○
MDRL-0026	0.26	7	40	3	○
MDRL-0027	0.27	7	40	3	○
MDRL-0028	0.28	7	40	3	○
MDRL-0029	0.29	7	40	3	○
MDRL-0030	0.3	9	45	3	○
MDRL-0031	0.31	9	45	3	○
MDRL-0032	0.32	9	45	3	○
MDRL-0033	0.33	9	45	3	○
MDRL-0034	0.34	9	45	3	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRL-0035	0.35	10	45	3	○
MDRL-0036	0.36	10	45	3	○
MDRL-0037	0.37	10	45	3	○
MDRL-0038	0.38	10	45	3	○
MDRL-0039	0.39	10	45	3	○
MDRL-0040	0.4	12	45	3	○
MDRL-0041	0.41	12	45	3	○
MDRL-0042	0.42	12	45	3	○
MDRL-0043	0.43	12	45	3	○
MDRL-0044	0.44	12	45	3	○
MDRL-0045	0.45	12	45	3	○
MDRL-0046	0.46	12	45	3	○
MDRL-0047	0.47	12	45	3	○
MDRL-0048	0.48	12	45	3	○
MDRL-0049	0.49	12	45	3	○
MDRL-0050	0.5	12	45	3	●
MDRL-0051	0.51	12	45	3	○
MDRL-0052	0.52	12	45	3	○
MDRL-0053	0.53	12	45	3	○
MDRL-0054	0.54	12	45	3	○
MDRL-0055	0.55	12	45	3	○
MDRL-0056	0.56	12	45	3	○
MDRL-0057	0.57	12	45	3	○
MDRL-0058	0.58	12	45	3	○
MDRL-0059	0.59	12	45	3	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRL-0060	0.6	15	45	3	●
MDRL-0061	0.61	15	45	3	○
MDRL-0062	0.62	15	45	3	○
MDRL-0063	0.63	15	45	3	○
MDRL-0064	0.64	15	45	3	○
MDRL-0065	0.65	15	45	3	●
MDRL-0066	0.66	15	45	3	○
MDRL-0067	0.67	15	45	3	○
MDRL-0068	0.68	15	45	3	○
MDRL-0069	0.69	15	45	3	○
MDRL-0070	0.7	15	45	3	●
MDRL-0071	0.71	15	45	3	○
MDRL-0072	0.72	15	45	3	○
MDRL-0073	0.73	15	45	3	○
MDRL-0074	0.74	15	45	3	○
MDRL-0075	0.75	15	45	3	●
MDRL-0076	0.76	15	45	3	○
MDRL-0077	0.77	15	45	3	○
MDRL-0078	0.78	15	45	3	○
MDRL-0079	0.79	15	45	3	○
MDRL-0080	0.8	15	45	3	●
MDRL-0081	0.81	15	45	3	○
MDRL-0082	0.82	15	45	3	○
MDRL-0083	0.83	15	45	3	○
MDRL-0084	0.84	15	45	3	○
MDRL-0085	0.85	15	45	3	●
MDRL-0086	0.86	15	45	3	○
MDRL-0087	0.87	15	45	3	○
MDRL-0088	0.88	15	45	3	○
MDRL-0089	0.89	15	45	3	○
MDRL-0090	0.9	15	45	3	●
MDRL-0091	0.91	15	45	3	○
MDRL-0092	0.92	15	45	3	○
MDRL-0093	0.93	15	45	3	○
MDRL-0094	0.94	15	45	3	○
MDRL-0095	0.95	15	45	3	●
MDRL-0096	0.96	15	45	3	○
MDRL-0097	0.97	15	45	3	○
MDRL-0098	0.98	15	45	3	○
MDRL-0099	0.99	15	45	3	○
MDRL-0100	1.0	20	50	3	●
MDRL-0100-2	1.0	26	80	3	●
MDRL-0100-3	1.0	36	80	3	●

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRL-0100-4	1.0	51	100	3	●
MDRL-0101	1.01	20	50	3	○
MDRL-0102	1.02	20	50	3	○
MDRL-0103	1.03	20	50	3	○
MDRL-0104	1.04	20	50	3	○
MDRL-0105	1.05	20	50	3	●
MDRL-0106	1.06	20	50	3	○
MDRL-0107	1.07	20	50	3	○
MDRL-0108	1.08	20	50	3	○
MDRL-0109	1.09	20	50	3	○
MDRL-0110	1.1	20	50	3	●
MDRL-0111	1.11	20	50	3	○
MDRL-0112	1.12	20	50	3	○
MDRL-0113	1.13	20	50	3	○
MDRL-0114	1.14	20	50	3	○
MDRL-0115	1.15	20	50	3	●
MDRL-0116	1.16	20	50	3	○
MDRL-0117	1.17	20	50	3	○
MDRL-0118	1.18	20	50	3	○
MDRL-0119	1.19	20	50	3	○
MDRL-0120	1.2	20	50	3	●
MDRL-0121	1.21	20	50	3	○
MDRL-0122	1.22	20	50	3	○
MDRL-0123	1.23	20	50	3	○
MDRL-0124	1.24	20	50	3	○
MDRL-0125	1.25	20	50	3	●
MDRL-0126	1.26	20	50	3	○
MDRL-0127	1.27	20	50	3	○
MDRL-0128	1.28	20	50	3	○
MDRL-0129	1.29	20	50	3	○
MDRL-0130	1.3	25	60	3	●
MDRL-0131	1.31	25	60	3	○
MDRL-0132	1.32	25	60	3	○
MDRL-0133	1.33	25	60	3	○
MDRL-0134	1.34	25	60	3	○
MDRL-0135	1.35	25	60	3	●
MDRL-0136	1.36	25	60	3	○
MDRL-0137	1.37	25	60	3	○
MDRL-0138	1.38	25	60	3	○
MDRL-0139	1.39	25	60	3	○
MDRL-0140	1.4	25	60	3	●
MDRL-0140-2	1.4	32	80	3	●
MDRL-0140-3	1.4	55	100	3	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRL-0141	1.41	25	60	3	○
MDRL-0142	1.42	25	60	3	○
MDRL-0143	1.43	25	60	3	○
MDRL-0144	1.44	25	60	3	○
MDRL-0145	1.45	25	60	3	●
MDRL-0146	1.46	25	60	3	○
MDRL-0147	1.47	25	60	3	○
MDRL-0148	1.48	25	60	3	○
MDRL-0149	1.49	25	60	3	○
MDRL-0150	1.5	25	60	3	●
MDRL-0150-2	1.5	32	80	3	●
MDRL-0150-3	1.5	55	100	3	●
MDRL-0151	1.51	25	60	3	○
MDRL-0152	1.52	25	60	3	○
MDRL-0153	1.53	25	60	3	○
MDRL-0154	1.54	25	60	3	○
MDRL-0155	1.55	25	60	3	●
MDRL-0156	1.56	25	60	3	○
MDRL-0157	1.57	25	60	3	○
MDRL-0158	1.58	25	60	3	○
MDRL-0159	1.59	25	60	3	○
MDRL-0160	1.6	32	63	3	●
MDRL-0160-2	1.6	32	80	3	●
MDRL-0161	1.61	32	60	3	○
MDRL-0162	1.62	32	63	3	○
MDRL-0163	1.63	32	63	3	○
MDRL-0164	1.64	32	63	3	○
MDRL-0165	1.65	32	63	3	●
MDRL-0166	1.66	32	63	3	○
MDRL-0167	1.67	32	63	3	○
MDRL-0168	1.68	32	63	3	○
MDRL-0169	1.69	32	63	3	○
MDRL-0170	1.7	32	63	3	●
MDRL-0171	1.71	32	63	3	○
MDRL-0172	1.72	32	63	3	○
MDRL-0173	1.73	32	63	3	○
MDRL-0174	1.74	32	63	3	○
MDRL-0175	1.75	32	63	3	●
MDRL-0176	1.76	32	63	3	○
MDRL-0177	1.77	32	63	3	○
MDRL-0178	1.78	32	63	3	○
MDRL-0179	1.79	32	63	3	○
MDRL-0180	1.8	32	63	3	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRL-0181	1.81	32	63	3	○
MDRL-0182	1.82	32	63	3	○
MDRL-0183	1.83	32	63	3	○
MDRL-0184	1.84	32	63	3	○
MDRL-0185	1.85	32	63	3	●
MDRL-0186	1.86	32	63	3	○
MDRL-0187	1.87	32	63	3	○
MDRL-0188	1.88	32	63	3	○
MDRL-0189	1.89	32	63	3	○
MDRL-0190	1.9	32	63	3	●
MDRL-0191	1.91	32	63	3	○
MDRL-0192	1.92	32	63	3	○
MDRL-0193	1.93	32	63	3	○
MDRL-0194	1.94	32	63	3	○
MDRL-0195	1.95	32	63	3	●
MDRL-0196	1.96	32	63	3	○
MDRL-0197	1.97	32	63	3	○
MDRL-0198	1.98	32	63	3	○
MDRL-0199	1.99	32	63	3	○
MDRL-0200	2.0	32	63	3	●
MDRL-0201	2.01	32	63	3	○
MDRL-0202	2.02	32	63	3	○
MDRL-0203	2.03	32	63	3	○
MDRL-0204	2.04	32	63	3	○
MDRL-0205	2.05	32	63	3	○
MDRL-0206	2.06	32	63	3	○
MDRL-0207	2.07	32	63	3	○
MDRL-0208	2.08	32	63	3	○
MDRL-0209	2.09	32	63	3	○
MDRL-0210	2.1	32	63	3	○
MDRL-0211	2.11	32	63	3	○
MDRL-0212	2.12	32	63	3	○
MDRL-0213	2.13	32	63	3	○
MDRL-0214	2.14	32	63	3	○
MDRL-0215	2.15	32	63	3	○
MDRL-0216	2.16	32	63	3	○
MDRL-0217	2.17	32	63	3	○
MDRL-0218	2.18	32	63	3	○
MDRL-0219	2.19	32	63	3	○
MDRL-0220	2.2	32	63	3	○
MDRL-0221	2.21	32	63	3	○
MDRL-0222	2.22	32	63	3	○
MDRL-0223	2.23	32	63	3	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRL-0224	2.24	32	63	3	○
MDRL-0225	2.25	32	63	3	○
MDRL-0226	2.26	32	63	3	○
MDRL-0227	2.27	32	63	3	○
MDRL-0228	2.28	32	63	3	○
MDRL-0229	2.29	32	63	3	○
MDRL-0230	2.3	32	63	3	○
MDRL-0231	2.31	32	63	3	○
MDRL-0232	2.32	32	63	3	○
MDRL-0233	2.33	32	63	3	○
MDRL-0234	2.34	32	63	3	○
MDRL-0235	2.35	32	63	3	○
MDRL-0236	2.36	32	63	3	○
MDRL-0237	2.37	32	63	3	○
MDRL-0238	2.38	32	63	3	○
MDRL-0239	2.39	32	63	3	○
MDRL-0240	2.4	32	63	3	○
MDRL-0241	2.41	32	63	3	○
MDRL-0242	2.42	32	63	3	○
MDRL-0243	2.43	32	63	3	○
MDRL-0244	2.44	32	63	3	○
MDRL-0245	2.45	32	63	3	○
MDRL-0246	2.46	32	63	3	○
MDRL-0247	2.47	32	63	3	○
MDRL-0248	2.48	32	63	3	○
MDRL-0249	2.49	32	63	3	○
MDRL-0250	2.5	32	63	3	○
MDRL-0251	2.51	32	63	3	○
MDRL-0252	2.52	32	63	3	○
MDRL-0253	2.53	32	63	3	○
MDRL-0254	2.54	32	63	3	○
MDRL-0255	2.55	32	63	3	○
MDRL-0256	2.56	32	63	3	○
MDRL-0257	2.57	32	63	3	○
MDRL-0258	2.58	32	63	3	○
MDRL-0259	2.59	32	63	3	○
MDRL-0260	2.6	32	63	3	○
MDRL-0261	2.61	32	63	3	○
MDRL-0262	2.62	32	63	3	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRL-0263	2.63	32	63	3	○
MDRL-0264	2.64	32	63	3	○
MDRL-0265	2.65	32	63	3	○
MDRL-0266	2.66	32	63	3	○
MDRL-0267	2.67	32	63	3	○
MDRL-0268	2.68	32	63	3	○
MDRL-0269	2.69	32	63	3	○
MDRL-0270	2.7	40	65	3	○
MDRL-0271	2.71	40	65	3	○
MDRL-0272	2.72	40	65	3	○
MDRL-0273	2.73	40	65	3	○
MDRL-0274	2.74	40	65	3	○
MDRL-0275	2.75	40	65	3	○
MDRL-0276	2.76	40	65	3	○
MDRL-0277	2.77	40	65	3	○
MDRL-0278	2.78	40	65	3	○
MDRL-0279	2.79	40	65	3	○
MDRL-0280	2.8	40	65	3	○
MDRL-0281	2.81	40	65	3	○
MDRL-0282	2.82	40	65	3	○
MDRL-0283	2.83	40	65	3	○
MDRL-0284	2.84	40	65	3	○
MDRL-0285	2.85	40	65	3	○
MDRL-0286	2.86	40	65	3	○
MDRL-0287	2.87	40	65	3	○
MDRL-0288	2.88	40	65	3	○
MDRL-0289	2.89	40	65	3	○
MDRL-0290	2.9	40	65	3	○
MDRL-0291	2.91	40	65	3	○
MDRL-0292	2.92	40	65	3	○
MDRL-0293	2.93	40	65	3	○
MDRL-0294	2.94	40	65	3	○
MDRL-0295	2.95	40	65	3	○
MDRL-0296	2.96	40	65	3	○
MDRL-0297	2.97	40	65	3	○
MDRL-0298	2.98	40	65	3	○
MDRL-0299	2.99	40	65	3	○
MDRL-0300	3.0	40	65	3	○

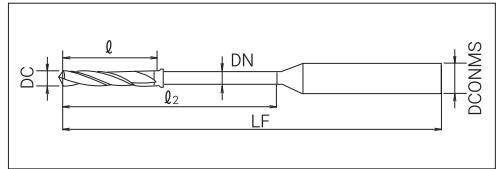
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로 리브 롱드릴

Micro Rib Type Long Drill

MSBD



- 짧은 날장과 긴 유효장을 적용하여 깊은 홀 가공에서도 높은 직진성과 안정적인 절삭 성능을 제공
Micro rib long drill featuring a short flute length and long reach for excellent straightness in deep-hole machining
- 리브 형상으로 강성을 향상시켜 흔들림을 최소화하고 정밀 가공에 적합
Rib design enhances rigidity and minimizes deflection for stable and precise cutting

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경 Dia	날장 l	유효장 l2	전장 L	샤크 d	재고 유무
MSBD-0020-4	0.2	1	4	50	3	●
MSBD-0020-6	0.2	1	6	50	3	●
MSBD-0020-8	0.2	1.5	8	50	3	●
MSBD-0020-10	0.2	1.5	10	50	3	○
MSBD-0025-5	0.25	1.8	5	50	3	●
MSBD-0025-8	0.25	1.2	8	50	3	●
MSBD-0025-10	0.25	1.8	10	50	3	●
MSBD-0025-13	0.25	1.8	13	50	3	○
MSBD-0030-6	0.3	1.5	6	50	3	●
MSBD-0030-9	0.3	1.5	9	50	3	●
MSBD-0030-12	0.3	2.1	12	50	3	●
MSBD-0030-15	0.3	2.1	15	54	3	○
MSBD-0035-7	0.35	1.8	7	50	3	●
MSBD-0035-10	0.35	1.8	10	50	3	●
MSBD-0035-14	0.35	2.5	14	50	3	●
MSBD-0035-18	0.35	2.5	18	54	3	○
MSBD-0040-8	0.4	2	8	50	3	●
MSBD-0040-12	0.4	2	12	50	3	●
MSBD-0040-16	0.4	2.8	16	60	3	●
MSBD-0040-20	0.4	2.8	20	64	3	○
MSBD-0045-9	0.45	2.2	9	50	3	●
MSBD-0045-13	0.45	2.2	13	50	3	●
MSBD-0045-18	0.45	3	18	60	3	●
MSBD-0045-23	0.45	3	23	64	3	○
MSBD-0050-10	0.5	2.5	10	50	3	●

제품번호 Code No.	외경 Dia	날장 l	유효장 l2	전장 L	샤크 d	재고 유무
MSBD-0050-15	0.5	2.5	15	50	3	●
MSBD-0050-20	0.5	3.5	20	64	3	●
MSBD-0050-25	0.5	3.5	25	75	3	○
MSBD-0050-32	0.5	3.5	32	100	3	○
MSBD-0055-15	0.55	2.7	15	50	3	○
MSBD-0055-22	0.55	4	22	64	3	●
MSBD-0060-12	0.6	3	12	54	3	●
MSBD-0060-18	0.6	3	18	54	3	●
MSBD-0060-25	0.6	4.5	25	75	3	●
MSBD-0060-30	0.6	4.5	30	80	3	○
MSBD-0060-32	0.6	4.5	32	100	3	○
MSBD-0065-13	0.65	3	13	54	3	○
MSBD-0065-19	0.65	3	19	54	3	●
MSBD-0065-26	0.65	5	26	75	3	●
MSBD-0065-33	0.65	5	33	80	3	○
MSBD-0070-14	0.7	3.5	14	64	3	●
MSBD-0070-21	0.7	3.5	21	64	3	●
MSBD-0070-28	0.7	5	28	80	3	●
MSBD-0070-35	0.7	5	35	100	3	●
MSBD-0075-14	0.75	3.5	14	64	3	●
MSBD-0075-21	0.75	3.5	21	64	3	●
MSBD-0075-30	0.75	5.3	30	80	3	●
MSBD-0075-38	0.75	5.3	38	100	3	●
MSBD-0080-16	0.8	4	16	64	3	●
MSBD-0080-24	0.8	4	24	64	3	●

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○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경 Dia	날장 l	유효장 l2	전장 L	상크 d	재고 유무
MSBD-0080-32	0.8	5.7	32	80	3	●
MSBD-0080-40	0.8	5.7	40	100	3	●
MSBD-0080-60	0.8	5.7	60	100	3	●
MSBD-0085-25	0.85	6	25	65	3	●
MSBD-0085-34	0.85	6	34	80	3	●
MSBD-0085-43	0.85	6	43	100	3	●
MSBD-0090-18	0.9	4.5	18	64	3	○
MSBD-0090-27	0.9	4.5	27	64	3	○
MSBD-0090-36	0.9	6.5	36	80	3	○
MSBD-0090-45	0.9	6.5	45	100	3	○
MSBD-0095-27	0.95	4.5	27	64	3	○
MSBD-0095-38	0.95	7	38	80	3	○
MSBD-0095-48	0.95	7	48	100	3	○
MSBD-0100-25	1.0	10	25	75	3	○
MSBD-0100-40	1.0	10	40	100	3	○
MSBD-0101-30	1.01	10	30	70	3	○
MSBD-0102-30	1.02	10	30	70	3	○
MSBD-0110-25	1.1	10	25	75	3	○
MSBD-0110-40	1.1	10	40	100	3	○
MSBD-0120-25	1.2	10	25	75	3	○
MSBD-0120-40	1.2	10	40	100	3	○
MSBD-0130-25	1.3	13	25	75	3	○
MSBD-0130-45	1.3	13	45	100	3	○
MSBD-0140-25	1.4	13	25	75	3	○
MSBD-0140-45	1.4	13	45	100	3	○
MSBD-0150-30	1.5	15	30	75	3	○
MSBD-0150-50	1.5	15	50	100	3	○
MSBD-0151-30	1.51	15	30	75	3	○
MSBD-0152-30	1.52	15	30	75	3	○
MSBD-0160-30	1.6	15	30	75	3	○
MSBD-0160-50	1.6	15	50	100	3	○

제품번호 Code No.	외경 Dia	날장 l	유효장 l2	전장 L	상크 d	재고 유무
MSBD-0170-30	1.7	18	30	75	3	○
MSBD-0170-50	1.7	18	50	100	3	○
MSBD-0180-30	1.8	18	30	75	3	○
MSBD-0180-50	1.8	18	50	100	3	○
MSBD-0190-30	1.9	20	30	75	3	○
MSBD-0190-55	1.9	20	55	100	3	○
MSBD-0200-35	2.0	20	35	80	3	○
MSBD-0200-55	2.0	20	55	100	3	○
MSBD-0201-35	2.01	20	35	75	3	○
MSBD-0202-35	2.02	20	35	75	3	○
MSBD-0210-35	2.1	20	35	80	3	○
MSBD-0210-55	2.1	20	55	100	3	○
MSBD-0220-35	2.2	22	35	80	3	○
MSBD-0220-55	2.2	22	55	100	3	○
MSBD-0230-35	2.3	22	35	80	3	○
MSBD-0230-55	2.3	22	55	100	3	○
MSBD-0240-35	2.4	25	35	80	3	○
MSBD-0240-55	2.4	25	55	100	3	○
MSBD-0250-40	2.5	25	40	100	3	○
MSBD-0250-55	2.5	25	55	100	3	○
MSBD-0260-40	2.6	25	40	100	3	○
MSBD-0260-55	2.6	25	55	100	3	○
MSBD-0270-40	2.7	25	40	100	3	○
MSBD-0270-55	2.7	25	55	100	3	○
MSBD-0280-45	2.8	30	45	100	3	○
MSBD-0280-60	2.8	30	60	100	3	○
MSBD-0290-45	2.9	30	45	100	3	○
MSBD-0290-60	2.9	30	60	100	3	○
MSBD-0300-60	3.0	30	60	100	3	○
MSBD-0300-75	3.0	40	75	130	3	○

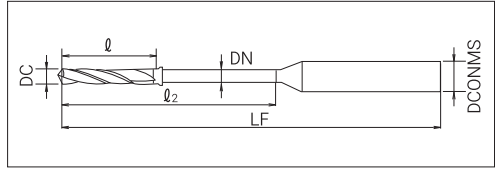
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로 리브 코팅 롱드릴

Micro Rib Type Coating Long Drill

MSBT



- 짧은 날장과 긴 유효장을 적용하여 깊은 홀 가공에서도 높은 직진성과 안정적인 절삭 성능을 제공
Micro rib long drill featuring a short flute length and long reach for excellent straightness in deep-hole machining.
- 리브 형상으로 강성을 향상시켜 흔들림을 최소화하고 정밀 가공에 적합
Rib design enhances rigidity and minimizes deflection for stable and precise cutting.



날경공차: +0~-0.005

ØD Tolerance

단위 Unit : mm

제품번호 Code No.	외경 Dia	날장 l	유효장 l2	전장 L	샤크 d	재고 유무
MSBT-0090-18	0.9	4.5	18	64	3	●
MSBT-0090-27	0.9	4.5	27	64	3	●
MSBT-0090-36	0.9	6.5	36	80	3	●
MSBT-0090-45	0.9	6.5	45	100	3	●
MSBT-0095-27	0.95	4.5	27	64	3	●
MSBT-0095-38	0.95	7	38	80	3	●
MSBT-0095-48	0.95	7	48	100	3	●
MSBT-0100-25	1.0	10	25	75	3	●
MSBT-0100-40	1.0	10	40	100	3	●
MSBT-0101-30	1.01	10	30	70	3	●
MSBT-0102-30	1.02	10	30	70	3	●
MSBT-0110-25	1.1	10	25	75	3	●
MSBT-0110-40	1.1	10	40	100	3	●
MSBT-0120-25	1.2	10	25	75	3	●
MSBT-0120-40	1.2	10	40	100	3	●
MSBT-0130-25	1.3	13	25	75	3	●
MSBT-0130-45	1.3	13	45	100	3	●
MSBT-0140-25	1.4	13	25	75	3	●
MSBT-0140-45	1.4	13	45	100	3	●
MSBT-0150-30	1.5	15	30	75	3	●
MSBT-0150-50	1.5	15	50	100	3	●
MSBT-0160-30	1.6	15	30	75	3	●
MSBT-0160-50	1.6	15	50	100	3	●
MSBT-0170-30	1.7	18	30	75	3	●
MSBT-0170-50	1.7	18	50	100	3	●
MSBT-0180-30	1.8	18	30	75	3	●
MSBT-0180-50	1.8	18	50	100	3	●

제품번호 Code No.	외경 Dia	날장 l	유효장 l2	전장 L	샤크 d	재고 유무
MSBT-0190-30	1.9	20	30	75	3	●
MSBT-0190-55	1.9	20	55	100	3	●
MSBT-0200-35	2.0	20	35	80	3	●
MSBT-0200-55	2.0	20	55	100	3	●
MSBT-0201-35	2.01	20	35	75	3	●
MSBT-0202-35	2.02	20	35	75	3	●
MSBT-0210-35	2.1	20	35	80	3	●
MSBT-0210-55	2.1	20	55	100	3	●
MSBT-0220-35	2.2	22	35	80	3	●
MSBT-0220-55	2.2	22	55	100	3	●
MSBT-0230-35	2.3	22	35	80	3	●
MSBT-0230-55	2.3	22	55	100	3	●
MSBT-0240-35	2.4	25	35	80	3	●
MSBT-0240-55	2.4	25	55	100	3	●
MSBT-0250-40	2.5	25	40	100	3	●
MSBT-0250-55	2.5	25	55	100	3	●
MSBT-0260-40	2.6	25	40	100	3	●
MSBT-0260-55	2.6	25	55	100	3	●
MSBT-0270-40	2.7	25	40	100	3	●
MSBT-0270-55	2.7	25	55	100	3	●
MSBT-0280-45	2.8	30	45	100	3	●
MSBT-0280-60	2.8	30	60	100	3	●
MSBT-0290-45	2.9	30	45	100	3	●
MSBT-0290-60	2.9	30	60	100	3	●
MSBT-0300-60	3.0	30	60	100	3	●
MSBT-0300-75	3.0	40	75	130	3	●

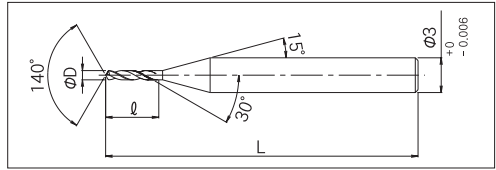
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

강용드릴

Power Speed Drill

MPD



■ 강재 가공에 최적화된 고성능 드릴

High-performance drill optimized for steel machining.

■ TiAlN 코팅 적용으로 내마모성 및 공구 수명 향상

Enhanced wear resistance and longer tool life with TiAlN Coating.

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MPD-0100	1.0	8	45	3	●
MPD-0110	1.1	9	45	3	●
MPD-0120	1.2	10	45	3	●
MPD-0130	1.3	10	45	3	●
MPD-0140	1.4	11	45	3	●
MPD-0150	1.5	11	45	3	●
MPD-0160	1.6	12	45	3	●
MPD-0170	1.7	13	45	3	●
MPD-0180	1.8	13	45	3	●
MPD-0190	1.9	13	45	3	●
MPD-0200	2.0	17	50	3	●
MPD-0210	2.1	17	50	3	●
MPD-0220	2.2	17	50	3	●
MPD-0230	2.3	17	50	3	●
MPD-0240	2.4	17	50	3	●
MPD-0250	2.5	17	50	3	●
MPD-0260	2.6	17	50	3	●
MPD-0270	2.7	17	50	3	●
MPD-0280	2.8	17	50	3	●
MPD-0290	2.9	17	50	3	●
MPD-0300	3.0	20	55	4	●
MPD-0310	3.1	20	55	4	●
MPD-0320	3.2	20	55	4	●
MPD-0330	3.3	20	55	4	●
MPD-0340	3.4	20	55	4	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MPD-0350	3.5	25	55	4	●
MPD-0360	3.6	25	55	4	●
MPD-0370	3.7	25	55	4	●
MPD-0380	3.8	25	55	4	●
MPD-0390	3.9	25	55	4	●
MPD-0400	4.0	23	55	4	●
MPD-0410	4.1	30	64	5	●
MPD-0420	4.2	30	64	5	●
MPD-0430	4.3	30	64	5	●
MPD-0440	4.4	30	64	5	●
MPD-0450	4.5	30	64	5	●
MPD-0460	4.6	30	64	5	●
MPD-0470	4.7	30	64	5	●
MPD-0480	4.8	30	64	5	●
MPD-0490	4.9	30	64	5	●
MPD-0500	5.0	32	64	5	●
MPD-0510	5.1	32	64	6	●
MPD-0520	5.2	32	64	6	●
MPD-0530	5.3	32	64	6	●
MPD-0540	5.4	32	64	6	●
MPD-0550	5.5	32	64	6	●
MPD-0560	5.6	32	64	6	●
MPD-0570	5.7	32	64	6	●
MPD-0580	5.8	32	64	6	●
MPD-0590	5.9	32	64	6	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

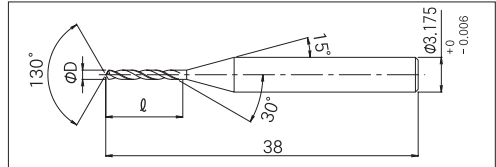
제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MPD - 0600	6.0	35	74	6	●
MPD - 0610	6.1	35	74	7	●
MPD - 0620	6.2	40	74	7	●
MPD - 0630	6.3	40	74	7	●
MPD - 0640	6.4	40	74	7	●
MPD - 0650	6.5	40	74	7	●
MPD - 0660	6.6	40	74	7	●
MPD - 0670	6.7	40	74	7	●
MPD - 0680	6.8	40	74	7	●
MPD - 0690	6.9	40	74	7	●
MPD - 0700	7.0	42	75	7	●
MPD - 0710	7.1	46	82	8	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MPD - 0720	7.2	46	82	8	●
MPD - 0730	7.3	46	82	8	●
MPD - 0740	7.4	46	82	8	●
MPD - 0750	7.5	46	82	8	●
MPD - 0760	7.6	46	82	8	●
MPD - 0770	7.7	46	82	8	●
MPD - 0780	7.8	46	82	8	●
MPD - 0790	7.9	46	82	8	●
MPD - 0800	8.0	46	82	8	●
MPD - 0850	8.5	46	82	9	●
MPD - 0900	9.0	48	82	9	●

마이크로드릴 3.175mm 샤크

Micro Drill, 1/8 inch shank

MDR31



■ 미세홀 정밀 가공용 드릴

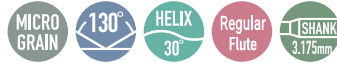
Designed for precision micro-hole machining.

■ 일반 강재부터 비철, 수지까지 폭넓은 적용 가능

Wide application available covering from steel to non-ferrous and resin.

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR31 - 0010	0.1	1.2	38	3.175	●
MDR31 - 0011	0.11	1.2	38	3.175	●
MDR31 - 0012	0.12	1.4	38	3.175	●
MDR31 - 0013	0.13	1.4	38	3.175	●
MDR31 - 0014	0.14	1.4	38	3.175	●
MDR31 - 0015	0.15	1.8	38	3.175	●
MDR31 - 0016	0.16	1.8	38	3.175	●
MDR31 - 0017	0.17	1.8	38	3.175	●
MDR31 - 0018	0.18	2.1	38	3.175	●
MDR31 - 0019	0.19	2.1	38	3.175	●
MDR31 - 0020	0.2	2.4	38	3.175	●
MDR31 - 0021	0.21	2.4	38	3.175	●
MDR31 - 0022	0.22	2.6	38	3.175	●
MDR31 - 0023	0.23	2.6	38	3.175	●
MDR31 - 0024	0.24	2.6	38	3.175	●
MDR31 - 0025	0.25	3	38	3.175	●
MDR31 - 0026	0.26	3	38	3.175	●
MDR31 - 0027	0.27	3	38	3.175	●
MDR31 - 0028	0.28	3.3	38	3.175	●
MDR31 - 0029	0.29	3.3	38	3.175	●
MDR31 - 0030	0.3	5	38	3.175	●
MDR31 - 0031	0.31	5	38	3.175	●
MDR31 - 0032	0.32	5	38	3.175	●
MDR31 - 0033	0.33	5	38	3.175	●
MDR31 - 0034	0.34	5	38	3.175	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR31 - 0035	0.35	5	38	3.175	●
MDR31 - 0036	0.36	5	38	3.175	●
MDR31 - 0037	0.37	5	38	3.175	●
MDR31 - 0038	0.38	5	38	3.175	●
MDR31 - 0039	0.39	5	38	3.175	●
MDR31 - 0040	0.4	5.3	38	3.175	●
MDR31 - 0041	0.41	5.3	38	3.175	●
MDR31 - 0042	0.42	5.3	38	3.175	●
MDR31 - 0043	0.43	5.3	38	3.175	●
MDR31 - 0044	0.44	5.3	38	3.175	●
MDR31 - 0045	0.45	5.3	38	3.175	●
MDR31 - 0046	0.46	5.3	38	3.175	●
MDR31 - 0047	0.47	5.3	38	3.175	●
MDR31 - 0048	0.48	5.3	38	3.175	●
MDR31 - 0049	0.49	5.3	38	3.175	●
MDR31 - 0050	0.5	5.3	38	3.175	●
MDR31 - 0051	0.51	5.3	38	3.175	●
MDR31 - 0052	0.52	5.3	38	3.175	●
MDR31 - 0053	0.53	5.3	38	3.175	●
MDR31 - 0054	0.54	5.3	38	3.175	●
MDR31 - 0055	0.55	5.3	38	3.175	●
MDR31 - 0056	0.56	7	38	3.175	●
MDR31 - 0057	0.57	7	38	3.175	●
MDR31 - 0058	0.58	7	38	3.175	●
MDR31 - 0059	0.59	7	38	3.175	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR31-0060	0.6	7	38	3.175	●
MDR31-0061	0.61	7	38	3.175	●
MDR31-0062	0.62	7	38	3.175	●
MDR31-0063	0.63	7	38	3.175	●
MDR31-0064	0.64	7	38	3.175	●
MDR31-0065	0.65	7	38	3.175	●
MDR31-0066	0.66	7	38	3.175	●
MDR31-0067	0.67	7	38	3.175	●
MDR31-0068	0.68	7	38	3.175	●
MDR31-0069	0.69	7	38	3.175	●
MDR31-0070	0.7	8.5	38	3.175	●
MDR31-0071	0.71	8.5	38	3.175	●
MDR31-0072	0.72	8.5	38	3.175	●
MDR31-0073	0.73	8.5	38	3.175	●
MDR31-0074	0.74	8.5	38	3.175	●
MDR31-0075	0.75	8.5	38	3.175	●
MDR31-0076	0.76	8.5	38	3.175	●
MDR31-0077	0.77	8.5	38	3.175	●
MDR31-0078	0.78	8.5	38	3.175	●
MDR31-0079	0.79	8.5	38	3.175	●
MDR31-0080	0.8	10.5	38	3.175	●
MDR31-0081	0.81	10.5	38	3.175	●
MDR31-0082	0.82	10.5	38	3.175	●
MDR31-0083	0.83	10.5	38	3.175	●
MDR31-0084	0.84	10.5	38	3.175	●
MDR31-0085	0.85	10.5	38	3.175	●
MDR31-0086	0.86	10.5	38	3.175	●
MDR31-0087	0.87	10.5	38	3.175	●
MDR31-0088	0.88	10.5	38	3.175	●
MDR31-0089	0.89	10.5	38	3.175	●
MDR31-0090	0.9	10.5	38	3.175	●
MDR31-0091	0.91	10.5	38	3.175	●
MDR31-0092	0.92	10.5	38	3.175	●
MDR31-0093	0.93	10.5	38	3.175	●
MDR31-0094	0.94	10.5	38	3.175	●
MDR31-0095	0.95	10.5	38	3.175	●
MDR31-0096	0.96	10.5	38	3.175	●
MDR31-0097	0.97	10.5	38	3.175	●
MDR31-0098	0.98	10.5	38	3.175	●
MDR31-0099	0.99	10.5	38	3.175	●
MDR31-0100	1.0	10.5	38	3.175	●
MDR31-0101	1.01	10.5	38	3.175	●
MDR31-0102	1.02	10.5	38	3.175	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR31-0103	1.03	10.5	38	3.175	●
MDR31-0104	1.04	10.5	38	3.175	●
MDR31-0105	1.05	10.5	38	3.175	●
MDR31-0106	1.06	10.5	38	3.175	●
MDR31-0107	1.07	10.5	38	3.175	●
MDR31-0108	1.08	10.5	38	3.175	●
MDR31-0109	1.09	10.5	38	3.175	●
MDR31-0110	1.1	10.5	38	3.175	●
MDR31-0111	1.11	10.5	38	3.175	●
MDR31-0112	1.12	10.5	38	3.175	●
MDR31-0113	1.13	10.5	38	3.175	●
MDR31-0114	1.14	10.5	38	3.175	●
MDR31-0115	1.15	10.5	38	3.175	●
MDR31-0116	1.16	10.5	38	3.175	●
MDR31-0117	1.17	10.5	38	3.175	●
MDR31-0118	1.18	10.5	38	3.175	●
MDR31-0119	1.19	10.5	38	3.175	●
MDR31-0120	1.2	10.5	38	3.175	●
MDR31-0121	1.21	10.5	38	3.175	●
MDR31-0122	1.22	10.5	38	3.175	●
MDR31-0123	1.23	10.5	38	3.175	●
MDR31-0124	1.24	10.5	38	3.175	●
MDR31-0125	1.25	10.5	38	3.175	●
MDR31-0126	1.26	10.5	38	3.175	●
MDR31-0127	1.27	10.5	38	3.175	●
MDR31-0128	1.28	10.5	38	3.175	●
MDR31-0129	1.29	10.5	38	3.175	●
MDR31-0130	1.3	10.5	38	3.175	●
MDR31-0131	1.31	10.5	38	3.175	●
MDR31-0132	1.32	10.5	38	3.175	●
MDR31-0133	1.33	10.5	38	3.175	●
MDR31-0134	1.34	10.5	38	3.175	●
MDR31-0135	1.35	10.5	38	3.175	●
MDR31-0136	1.36	10.5	38	3.175	●
MDR31-0137	1.37	10.5	38	3.175	●
MDR31-0138	1.38	10.5	38	3.175	●
MDR31-0139	1.39	10.5	38	3.175	●
MDR31-0140	1.4	10.5	38	3.175	●
MDR31-0141	1.41	10.5	38	3.175	●
MDR31-0142	1.42	10.5	38	3.175	●
MDR31-0143	1.43	10.5	38	3.175	●
MDR31-0144	1.44	10.5	38	3.175	●
MDR31-0145	1.45	10.5	38	3.175	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Overall L	샤크(S) Shank	재고 유무
MDR31-0146	1.46	10.5	38	3.175	●
MDR31-0147	1.47	10.5	38	3.175	●
MDR31-0148	1.48	10.5	38	3.175	●
MDR31-0149	1.49	10.5	38	3.175	●
MDR31-0150	1.5	10.5	38	3.175	●
MDR31-0151	1.51	10.5	38	3.175	●
MDR31-0152	1.52	10.5	38	3.175	●
MDR31-0153	1.53	10.5	38	3.175	●
MDR31-0154	1.54	10.5	38	3.175	●
MDR31-0155	1.55	10.5	38	3.175	●
MDR31-0156	1.56	10.5	38	3.175	●
MDR31-0157	1.57	10.5	38	3.175	●
MDR31-0158	1.58	10.5	38	3.175	●
MDR31-0159	1.59	10.5	38	3.175	●
MDR31-0160	1.6	10.5	38	3.175	●
MDR31-0161	1.61	10.5	38	3.175	●
MDR31-0162	1.62	10.5	38	3.175	●
MDR31-0163	1.63	10.5	38	3.175	●
MDR31-0164	1.64	10.5	38	3.175	●
MDR31-0165	1.65	10.5	38	3.175	●
MDR31-0166	1.66	10.5	38	3.175	●
MDR31-0167	1.67	10.5	38	3.175	●
MDR31-0168	1.68	10.5	38	3.175	●
MDR31-0169	1.69	10.5	38	3.175	●
MDR31-0170	1.7	10.5	38	3.175	●
MDR31-0171	1.71	10.5	38	3.175	●
MDR31-0172	1.72	10.5	38	3.175	●
MDR31-0173	1.73	10.5	38	3.175	●
MDR31-0174	1.74	10.5	38	3.175	●
MDR31-0175	1.75	10.5	38	3.175	●
MDR31-0176	1.76	10.5	38	3.175	●
MDR31-0177	1.77	10.5	38	3.175	●
MDR31-0178	1.78	10.5	38	3.175	●
MDR31-0179	1.79	10.5	38	3.175	●
MDR31-0180	1.8	10.5	38	3.175	●
MDR31-0181	1.81	10.5	38	3.175	●
MDR31-0182	1.82	10.5	38	3.175	●
MDR31-0183	1.83	10.5	38	3.175	●
MDR31-0184	1.84	10.5	38	3.175	●
MDR31-0185	1.85	10.5	38	3.175	●
MDR31-0186	1.86	10.5	38	3.175	●
MDR31-0187	1.87	10.5	38	3.175	●
MDR31-0188	1.88	10.5	38	3.175	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Overall L	샤크(S) Shank	재고 유무
MDR31-0189	1.89	10.5	38	3.175	●
MDR31-0190	1.9	10.5	38	3.175	●
MDR31-0191	1.91	10.5	38	3.175	●
MDR31-0192	1.92	10.5	38	3.175	●
MDR31-0193	1.93	10.5	38	3.175	●
MDR31-0194	1.94	10.5	38	3.175	●
MDR31-0195	1.95	10.5	38	3.175	●
MDR31-0196	1.96	10.5	38	3.175	●
MDR31-0197	1.97	10.5	38	3.175	●
MDR31-0198	1.98	10.5	38	3.175	●
MDR31-0199	1.99	10.5	38	3.175	●
MDR31-0200	2.0	10.5	38	3.175	●
MDR31-0201	2.01	10.5	38	3.175	●
MDR31-0202	2.02	10.5	38	3.175	●
MDR31-0203	2.03	10.5	38	3.175	●
MDR31-0204	2.04	10.5	38	3.175	●
MDR31-0205	2.05	10.5	38	3.175	●
MDR31-0206	2.06	10.5	38	3.175	●
MDR31-0207	2.07	10.5	38	3.175	●
MDR31-0208	2.08	10.5	38	3.175	●
MDR31-0209	2.09	10.5	38	3.175	●
MDR31-0210	2.1	10.5	38	3.175	●
MDR31-0211	2.11	10.5	38	3.175	●
MDR31-0212	2.12	10.5	38	3.175	●
MDR31-0213	2.13	10.5	38	3.175	●
MDR31-0214	2.14	10.5	38	3.175	●
MDR31-0215	2.15	10.5	38	3.175	●
MDR31-0216	2.16	10.5	38	3.175	●
MDR31-0217	2.17	10.5	38	3.175	●
MDR31-0218	2.18	10.5	38	3.175	●
MDR31-0219	2.19	10.5	38	3.175	●
MDR31-0220	2.2	10.5	38	3.175	●
MDR31-0221	2.21	10.5	38	3.175	●
MDR31-0222	2.22	10.5	38	3.175	●
MDR31-0223	2.23	10.5	38	3.175	●
MDR31-0224	2.24	10.5	38	3.175	●
MDR31-0225	2.25	10.5	38	3.175	●
MDR31-0226	2.26	10.5	38	3.175	●
MDR31-0227	2.27	10.5	38	3.175	●
MDR31-0228	2.28	10.5	38	3.175	●
MDR31-0229	2.29	10.5	38	3.175	●
MDR31-0230	2.3	10.5	38	3.175	●
MDR31-0231	2.31	10.5	38	3.175	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR31 - 0232	2.32	10.5	38	3.175	●
MDR31 - 0233	2.33	10.5	38	3.175	●
MDR31 - 0234	2.34	10.5	38	3.175	●
MDR31 - 0235	2.35	10.5	38	3.175	●
MDR31 - 0236	2.36	10.5	38	3.175	●
MDR31 - 0237	2.37	10.5	38	3.175	●
MDR31 - 0238	2.38	10.5	38	3.175	●
MDR31 - 0239	2.39	10.5	38	3.175	●
MDR31 - 0240	2.4	10.5	38	3.175	●
MDR31 - 0241	2.41	10.5	38	3.175	●
MDR31 - 0242	2.42	10.5	38	3.175	●
MDR31 - 0243	2.43	10.5	38	3.175	●
MDR31 - 0244	2.44	10.5	38	3.175	●
MDR31 - 0245	2.45	10.5	38	3.175	●
MDR31 - 0246	2.46	10.5	38	3.175	●
MDR31 - 0247	2.47	10.5	38	3.175	●
MDR31 - 0248	2.48	10.5	38	3.175	●
MDR31 - 0249	2.49	10.5	38	3.175	●
MDR31 - 0250	2.5	10.5	38	3.175	●
MDR31 - 0251	2.51	10.5	38	3.175	●
MDR31 - 0252	2.52	10.5	38	3.175	●
MDR31 - 0253	2.53	10.5	38	3.175	●
MDR31 - 0254	2.54	10.5	38	3.175	●
MDR31 - 0255	2.55	10.5	38	3.175	●
MDR31 - 0256	2.56	10.5	38	3.175	●
MDR31 - 0257	2.57	10.5	38	3.175	●
MDR31 - 0258	2.58	10.5	38	3.175	●
MDR31 - 0259	2.59	10.5	38	3.175	●
MDR31 - 0260	2.6	10.5	38	3.175	●
MDR31 - 0261	2.61	10.5	38	3.175	●
MDR31 - 0262	2.62	10.5	38	3.175	●
MDR31 - 0263	2.63	10.5	38	3.175	●
MDR31 - 0264	2.64	10.5	38	3.175	●
MDR31 - 0265	2.65	10.5	38	3.175	●
MDR31 - 0266	2.66	10.5	38	3.175	●
MDR31 - 0267	2.67	10.5	38	3.175	●
MDR31 - 0268	2.68	10.5	38	3.175	●
MDR31 - 0269	2.69	10.5	38	3.175	●
MDR31 - 0270	2.7	10.5	38	3.175	●
MDR31 - 0271	2.71	10.5	38	3.175	●
MDR31 - 0272	2.72	10.5	38	3.175	●
MDR31 - 0273	2.73	10.5	38	3.175	●
MDR31 - 0274	2.74	10.5	38	3.175	●
MDR31 - 0275	2.75	10.5	38	3.175	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDR31 - 0276	2.76	10.5	38	3.175	●
MDR31 - 0277	2.77	10.5	38	3.175	●
MDR31 - 0278	2.78	10.5	38	3.175	●
MDR31 - 0279	2.79	10.5	38	3.175	●
MDR31 - 0280	2.8	10.5	38	3.175	●
MDR31 - 0281	2.81	10.5	38	3.175	●
MDR31 - 0282	2.82	10.5	38	3.175	●
MDR31 - 0283	2.83	10.5	38	3.175	●
MDR31 - 0284	2.84	10.5	38	3.175	●
MDR31 - 0285	2.85	10.5	38	3.175	●
MDR31 - 0286	2.86	10.5	38	3.175	●
MDR31 - 0287	2.87	10.5	38	3.175	●
MDR31 - 0288	2.88	10.5	38	3.175	●
MDR31 - 0289	2.89	10.5	38	3.175	●
MDR31 - 0290	2.9	10.5	38	3.175	●
MDR31 - 0291	2.91	10.5	38	3.175	●
MDR31 - 0292	2.92	10.5	38	3.175	●
MDR31 - 0293	2.93	10.5	38	3.175	●
MDR31 - 0294	2.94	10.5	38	3.175	●
MDR31 - 0295	2.95	10.5	38	3.175	●
MDR31 - 0296	2.96	10.5	38	3.175	●
MDR31 - 0297	2.97	10.5	38	3.175	●
MDR31 - 0298	2.98	10.5	38	3.175	●
MDR31 - 0299	2.99	10.5	38	3.175	●
MDR31 - 0300	3.0	10.5	38	3.175	●
MDR31 - 0301	3.01	10.5	38	3.175	●
MDR31 - 0302	3.02	10.5	38	3.175	●
MDR31 - 0303	3.03	10.5	38	3.175	●
MDR31 - 0304	3.04	10.5	38	3.175	●
MDR31 - 0305	3.05	10.5	38	3.175	●
MDR31 - 0306	3.06	10.5	38	3.175	●
MDR31 - 0307	3.07	10.5	38	3.175	●
MDR31 - 0308	3.08	10.5	38	3.175	●
MDR31 - 0309	3.09	10.5	38	3.175	●
MDR31 - 0310	3.1	10.5	38	3.175	●
MDR31 - 0311	3.11	10.5	38	3.175	●
MDR31 - 0312	3.12	10.5	38	3.175	●
MDR31 - 0313	3.13	10.5	38	3.175	●
MDR31 - 0314	3.14	10.5	38	3.175	●
MDR31 - 0315	3.15	10.5	38	3.175	●
MDR31 - 0316	3.16	10.5	38	3.175	●
MDR31 - 0317	3.17	10.5	38	3.175	●
MDR31 - 03175	3.175	10.5	38	3.175	●

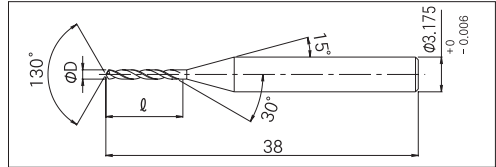
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로 코팅 드릴 3.175mm 샹크

Micro Coating Drill, 1/8 inch shank

MDRT31



- 미세홀 정밀 가공용 드릴
Designed for precision micro-hole machining.
- 일반 강재부터 비철, 수지까지 폭넓은 적용 가능
Wide application available covering from steel to non-ferrous and resin.

날경공차 : +0~-0.005
ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MDRT31-0010	0.1	1.2	38	3.175	●
MDRT31-0011	0.11	1.2	38	3.175	●
MDRT31-0012	0.12	1.4	38	3.175	●
MDRT31-0013	0.13	1.4	38	3.175	●
MDRT31-0014	0.14	1.4	38	3.175	●
MDRT31-0015	0.15	1.8	38	3.175	●
MDRT31-0016	0.16	1.8	38	3.175	●
MDRT31-0017	0.17	1.8	38	3.175	●
MDRT31-0018	0.18	2.1	38	3.175	●
MDRT31-0019	0.19	2.1	38	3.175	●
MDRT31-0020	0.2	2.4	38	3.175	●
MDRT31-0021	0.21	2.4	38	3.175	●
MDRT31-0022	0.22	2.6	38	3.175	●
MDRT31-0023	0.23	2.6	38	3.175	●
MDRT31-0024	0.24	2.6	38	3.175	●
MDRT31-0025	0.25	3	38	3.175	●
MDRT31-0026	0.26	3	38	3.175	●
MDRT31-0027	0.27	3	38	3.175	●
MDRT31-0028	0.28	3.3	38	3.175	●
MDRT31-0029	0.29	3.3	38	3.175	●
MDRT31-0030	0.3	5	38	3.175	●
MDRT31-0031	0.31	5	38	3.175	●
MDRT31-0032	0.32	5	38	3.175	●
MDRT31-0033	0.33	5	38	3.175	●
MDRT31-0034	0.34	5	38	3.175	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MDRT31-0035	0.35	5	38	3.175	●
MDRT31-0036	0.36	5	38	3.175	●
MDRT31-0037	0.37	5	38	3.175	●
MDRT31-0038	0.38	5	38	3.175	●
MDRT31-0039	0.39	5	38	3.175	●
MDRT31-0040	0.4	5.3	38	3.175	●
MDRT31-0041	0.41	5.3	38	3.175	●
MDRT31-0042	0.42	5.3	38	3.175	●
MDRT31-0043	0.43	5.3	38	3.175	●
MDRT31-0044	0.44	5.3	38	3.175	●
MDRT31-0045	0.45	5.3	38	3.175	●
MDRT31-0046	0.46	5.3	38	3.175	●
MDRT31-0047	0.47	5.3	38	3.175	●
MDRT31-0048	0.48	5.3	38	3.175	●
MDRT31-0049	0.49	5.3	38	3.175	●
MDRT31-0050	0.5	5.3	38	3.175	●
MDRT31-0051	0.51	5.3	38	3.175	●
MDRT31-0052	0.52	5.3	38	3.175	●
MDRT31-0053	0.53	5.3	38	3.175	●
MDRT31-0054	0.54	5.3	38	3.175	●
MDRT31-0055	0.55	5.3	38	3.175	●
MDRT31-0056	0.56	7	38	3.175	●
MDRT31-0057	0.57	7	38	3.175	●
MDRT31-0058	0.58	7	38	3.175	●
MDRT31-0059	0.59	7	38	3.175	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRT31-0060	0.6	7	38	3.175	●
MDRT31-0061	0.61	7	38	3.175	●
MDRT31-0062	0.62	7	38	3.175	●
MDRT31-0063	0.63	7	38	3.175	●
MDRT31-0064	0.64	7	38	3.175	●
MDRT31-0065	0.65	7	38	3.175	●
MDRT31-0066	0.66	7	38	3.175	●
MDRT31-0067	0.67	7	38	3.175	●
MDRT31-0068	0.68	7	38	3.175	●
MDRT31-0069	0.69	7	38	3.175	●
MDRT31-0070	0.7	8.5	38	3.175	●
MDRT31-0071	0.71	8.5	38	3.175	●
MDRT31-0072	0.72	8.5	38	3.175	●
MDRT31-0073	0.73	8.5	38	3.175	●
MDRT31-0074	0.74	8.5	38	3.175	●
MDRT31-0075	0.75	8.5	38	3.175	●
MDRT31-0076	0.76	8.5	38	3.175	●
MDRT31-0077	0.77	8.5	38	3.175	●
MDRT31-0078	0.78	8.5	38	3.175	●
MDRT31-0079	0.79	8.5	38	3.175	●
MDRT31-0080	0.8	10.5	38	3.175	●
MDRT31-0081	0.81	10.5	38	3.175	●
MDRT31-0082	0.82	10.5	38	3.175	●
MDRT31-0083	0.83	10.5	38	3.175	●
MDRT31-0084	0.84	10.5	38	3.175	●
MDRT31-0085	0.85	10.5	38	3.175	●
MDRT31-0086	0.86	10.5	38	3.175	●
MDRT31-0087	0.87	10.5	38	3.175	●
MDRT31-0088	0.88	10.5	38	3.175	●
MDRT31-0089	0.89	10.5	38	3.175	●
MDRT31-0090	0.9	10.5	38	3.175	●
MDRT31-0091	0.91	10.5	38	3.175	●
MDRT31-0092	0.92	10.5	38	3.175	●
MDRT31-0093	0.93	10.5	38	3.175	●
MDRT31-0094	0.94	10.5	38	3.175	●
MDRT31-0095	0.95	10.5	38	3.175	●
MDRT31-0096	0.96	10.5	38	3.175	●
MDRT31-0097	0.97	10.5	38	3.175	●
MDRT31-0098	0.98	10.5	38	3.175	●
MDRT31-0099	0.99	10.5	38	3.175	●
MDRT31-0100	1.0	10.5	38	3.175	●
MDRT31-0101	1.01	10.5	38	3.175	●
MDRT31-0102	1.02	10.5	38	3.175	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRT31-0103	1.03	10.5	38	3.175	●
MDRT31-0104	1.04	10.5	38	3.175	●
MDRT31-0105	1.05	10.5	38	3.175	●
MDRT31-0106	1.06	10.5	38	3.175	●
MDRT31-0107	1.07	10.5	38	3.175	●
MDRT31-0108	1.08	10.5	38	3.175	●
MDRT31-0109	1.09	10.5	38	3.175	●
MDRT31-0110	1.1	10.5	38	3.175	●
MDRT31-0111	1.11	10.5	38	3.175	●
MDRT31-0112	1.12	10.5	38	3.175	●
MDRT31-0113	1.13	10.5	38	3.175	●
MDRT31-0114	1.14	10.5	38	3.175	●
MDRT31-0115	1.15	10.5	38	3.175	●
MDRT31-0116	1.16	10.5	38	3.175	●
MDRT31-0117	1.17	10.5	38	3.175	●
MDRT31-0118	1.18	10.5	38	3.175	●
MDRT31-0119	1.19	10.5	38	3.175	●
MDRT31-0120	1.2	10.5	38	3.175	●
MDRT31-0121	1.21	10.5	38	3.175	●
MDRT31-0122	1.22	10.5	38	3.175	●
MDRT31-0123	1.23	10.5	38	3.175	●
MDRT31-0124	1.24	10.5	38	3.175	●
MDRT31-0125	1.25	10.5	38	3.175	●
MDRT31-0126	1.26	10.5	38	3.175	●
MDRT31-0127	1.27	10.5	38	3.175	●
MDRT31-0128	1.28	10.5	38	3.175	●
MDRT31-0129	1.29	10.5	38	3.175	●
MDRT31-0130	1.3	10.5	38	3.175	●
MDRT31-0131	1.31	10.5	38	3.175	●
MDRT31-0132	1.32	10.5	38	3.175	●
MDRT31-0133	1.33	10.5	38	3.175	●
MDRT31-0134	1.34	10.5	38	3.175	●
MDRT31-0135	1.35	10.5	38	3.175	●
MDRT31-0136	1.36	10.5	38	3.175	●
MDRT31-0137	1.37	10.5	38	3.175	●
MDRT31-0138	1.38	10.5	38	3.175	●
MDRT31-0139	1.39	10.5	38	3.175	●
MDRT31-0140	1.4	10.5	38	3.175	●
MDRT31-0141	1.41	10.5	38	3.175	●
MDRT31-0142	1.42	10.5	38	3.175	●
MDRT31-0143	1.43	10.5	38	3.175	●
MDRT31-0144	1.44	10.5	38	3.175	●
MDRT31-0145	1.45	10.5	38	3.175	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRT31-0146	1.46	10.5	38	3.175	●
MDRT31-0147	1.47	10.5	38	3.175	●
MDRT31-0148	1.48	10.5	38	3.175	●
MDRT31-0149	1.49	10.5	38	3.175	●
MDRT31-0150	1.5	10.5	38	3.175	●
MDRT31-0151	1.51	10.5	38	3.175	●
MDRT31-0152	1.52	10.5	38	3.175	●
MDRT31-0153	1.53	10.5	38	3.175	●
MDRT31-0154	1.54	10.5	38	3.175	●
MDRT31-0155	1.55	10.5	38	3.175	●
MDRT31-0156	1.56	10.5	38	3.175	●
MDRT31-0157	1.57	10.5	38	3.175	●
MDRT31-0158	1.58	10.5	38	3.175	●
MDRT31-0159	1.59	10.5	38	3.175	●
MDRT31-0160	1.6	10.5	38	3.175	●
MDRT31-0161	1.61	10.5	38	3.175	●
MDRT31-0162	1.62	10.5	38	3.175	●
MDRT31-0163	1.63	10.5	38	3.175	●
MDRT31-0164	1.64	10.5	38	3.175	●
MDRT31-0165	1.65	10.5	38	3.175	●
MDRT31-0166	1.66	10.5	38	3.175	●
MDRT31-0167	1.67	10.5	38	3.175	●
MDRT31-0168	1.68	10.5	38	3.175	●
MDRT31-0169	1.69	10.5	38	3.175	●
MDRT31-0170	1.7	10.5	38	3.175	●
MDRT31-0171	1.71	10.5	38	3.175	●
MDRT31-0172	1.72	10.5	38	3.175	●
MDRT31-0173	1.73	10.5	38	3.175	●
MDRT31-0174	1.74	10.5	38	3.175	●
MDRT31-0175	1.75	10.5	38	3.175	●
MDRT31-0176	1.76	10.5	38	3.175	●
MDRT31-0177	1.77	10.5	38	3.175	●
MDRT31-0178	1.78	10.5	38	3.175	●
MDRT31-0179	1.79	10.5	38	3.175	●
MDRT31-0180	1.8	10.5	38	3.175	●
MDRT31-0181	1.81	10.5	38	3.175	●
MDRT31-0182	1.82	10.5	38	3.175	●
MDRT31-0183	1.83	10.5	38	3.175	●
MDRT31-0184	1.84	10.5	38	3.175	●
MDRT31-0185	1.85	10.5	38	3.175	●
MDRT31-0186	1.86	10.5	38	3.175	●
MDRT31-0187	1.87	10.5	38	3.175	●
MDRT31-0188	1.88	10.5	38	3.175	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRT31-0189	1.89	10.5	38	3.175	●
MDRT31-0190	1.9	10.5	38	3.175	●
MDRT31-0191	1.91	10.5	38	3.175	●
MDRT31-0192	1.92	10.5	38	3.175	●
MDRT31-0193	1.93	10.5	38	3.175	●
MDRT31-0194	1.94	10.5	38	3.175	●
MDRT31-0195	1.95	10.5	38	3.175	●
MDRT31-0196	1.96	10.5	38	3.175	●
MDRT31-0197	1.97	10.5	38	3.175	●
MDRT31-0198	1.98	10.5	38	3.175	●
MDRT31-0199	1.99	10.5	38	3.175	●
MDRT31-0200	2.0	10.5	38	3.175	●
MDRT31-0201	2.01	10.5	38	3.175	●
MDRT31-0202	2.02	10.5	38	3.175	●
MDRT31-0203	2.03	10.5	38	3.175	●
MDRT31-0204	2.04	10.5	38	3.175	●
MDRT31-0205	2.05	10.5	38	3.175	●
MDRT31-0206	2.06	10.5	38	3.175	●
MDRT31-0207	2.07	10.5	38	3.175	●
MDRT31-0208	2.08	10.5	38	3.175	●
MDRT31-0209	2.09	10.5	38	3.175	●
MDRT31-0210	2.1	10.5	38	3.175	●
MDRT31-0211	2.11	10.5	38	3.175	●
MDRT31-0212	2.12	10.5	38	3.175	●
MDRT31-0213	2.13	10.5	38	3.175	●
MDRT31-0214	2.14	10.5	38	3.175	●
MDRT31-0215	2.15	10.5	38	3.175	●
MDRT31-0216	2.16	10.5	38	3.175	●
MDRT31-0217	2.17	10.5	38	3.175	●
MDRT31-0218	2.18	10.5	38	3.175	●
MDRT31-0219	2.19	10.5	38	3.175	●
MDRT31-0220	2.2	10.5	38	3.175	●
MDRT31-0221	2.21	10.5	38	3.175	●
MDRT31-0222	2.22	10.5	38	3.175	●
MDRT31-0223	2.23	10.5	38	3.175	●
MDRT31-0224	2.24	10.5	38	3.175	●
MDRT31-0225	2.25	10.5	38	3.175	●
MDRT31-0226	2.26	10.5	38	3.175	●
MDRT31-0227	2.27	10.5	38	3.175	●
MDRT31-0228	2.28	10.5	38	3.175	●
MDRT31-0229	2.29	10.5	38	3.175	●
MDRT31-0230	2.3	10.5	38	3.175	●
MDRT31-0231	2.31	10.5	38	3.175	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRT31-0232	2.32	10.5	38	3.175	●
MDRT31-0233	2.33	10.5	38	3.175	●
MDRT31-0234	2.34	10.5	38	3.175	●
MDRT31-0235	2.35	10.5	38	3.175	●
MDRT31-0236	2.36	10.5	38	3.175	●
MDRT31-0237	2.37	10.5	38	3.175	●
MDRT31-0238	2.38	10.5	38	3.175	●
MDRT31-0239	2.39	10.5	38	3.175	●
MDRT31-0240	2.4	10.5	38	3.175	●
MDRT31-0241	2.41	10.5	38	3.175	●
MDRT31-0242	2.42	10.5	38	3.175	●
MDRT31-0243	2.43	10.5	38	3.175	●
MDRT31-0244	2.44	10.5	38	3.175	●
MDRT31-0245	2.45	10.5	38	3.175	●
MDRT31-0246	2.46	10.5	38	3.175	●
MDRT31-0247	2.47	10.5	38	3.175	●
MDRT31-0248	2.48	10.5	38	3.175	●
MDRT31-0249	2.49	10.5	38	3.175	●
MDRT31-0250	2.5	10.5	38	3.175	●
MDRT31-0251	2.51	10.5	38	3.175	●
MDRT31-0252	2.52	10.5	38	3.175	●
MDRT31-0253	2.53	10.5	38	3.175	●
MDRT31-0254	2.54	10.5	38	3.175	●
MDRT31-0255	2.55	10.5	38	3.175	●
MDRT31-0256	2.56	10.5	38	3.175	●
MDRT31-0257	2.57	10.5	38	3.175	●
MDRT31-0258	2.58	10.5	38	3.175	●
MDRT31-0259	2.59	10.5	38	3.175	●
MDRT31-0260	2.6	10.5	38	3.175	●
MDRT31-0261	2.61	10.5	38	3.175	●
MDRT31-0262	2.62	10.5	38	3.175	●
MDRT31-0263	2.63	10.5	38	3.175	●
MDRT31-0264	2.64	10.5	38	3.175	●
MDRT31-0265	2.65	10.5	38	3.175	●
MDRT31-0266	2.66	10.5	38	3.175	●
MDRT31-0267	2.67	10.5	38	3.175	●
MDRT31-0268	2.68	10.5	38	3.175	●
MDRT31-0269	2.69	10.5	38	3.175	●
MDRT31-0270	2.7	10.5	38	3.175	●
MDRT31-0271	2.71	10.5	38	3.175	●
MDRT31-0272	2.72	10.5	38	3.175	●
MDRT31-0273	2.73	10.5	38	3.175	●
MDRT31-0274	2.74	10.5	38	3.175	●
MDRT31-0275	2.75	10.5	38	3.175	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRT31-0276	2.76	10.5	38	3.175	●
MDRT31-0277	2.77	10.5	38	3.175	●
MDRT31-0278	2.78	10.5	38	3.175	●
MDRT31-0279	2.79	10.5	38	3.175	●
MDRT31-0280	2.8	10.5	38	3.175	●
MDRT31-0281	2.81	10.5	38	3.175	●
MDRT31-0282	2.82	10.5	38	3.175	●
MDRT31-0283	2.83	10.5	38	3.175	●
MDRT31-0284	2.84	10.5	38	3.175	●
MDRT31-0285	2.85	10.5	38	3.175	●
MDRT31-0286	2.86	10.5	38	3.175	●
MDRT31-0287	2.87	10.5	38	3.175	●
MDRT31-0288	2.88	10.5	38	3.175	●
MDRT31-0289	2.89	10.5	38	3.175	●
MDRT31-0290	2.9	10.5	38	3.175	●
MDRT31-0291	2.91	10.5	38	3.175	●
MDRT31-0292	2.92	10.5	38	3.175	●
MDRT31-0293	2.93	10.5	38	3.175	●
MDRT31-0294	2.94	10.5	38	3.175	●
MDRT31-0295	2.95	10.5	38	3.175	●
MDRT31-0296	2.96	10.5	38	3.175	●
MDRT31-0297	2.97	10.5	38	3.175	●
MDRT31-0298	2.98	10.5	38	3.175	●
MDRT31-0299	2.99	10.5	38	3.175	●
MDRT31-0300	3.0	10.5	38	3.175	●
MDRT31-0301	3.01	10.5	38	3.175	●
MDRT31-0302	3.02	10.5	38	3.175	●
MDRT31-0303	3.03	10.5	38	3.175	●
MDRT31-0304	3.04	10.5	38	3.175	●
MDRT31-0305	3.05	10.5	38	3.175	●
MDRT31-0306	3.06	10.5	38	3.175	●
MDRT31-0307	3.07	10.5	38	3.175	●
MDRT31-0308	3.08	10.5	38	3.175	●
MDRT31-0309	3.09	10.5	38	3.175	●
MDRT31-0310	3.1	10.5	38	3.175	●
MDRT31-0311	3.11	10.5	38	3.175	●
MDRT31-0312	3.12	10.5	38	3.175	●
MDRT31-0313	3.13	10.5	38	3.175	●
MDRT31-0314	3.14	10.5	38	3.175	●
MDRT31-0315	3.15	10.5	38	3.175	●
MDRT31-0316	3.16	10.5	38	3.175	●
MDRT31-0317	3.17	10.5	38	3.175	●
MDRT31-03175	3.175	10.5	38	3.175	●

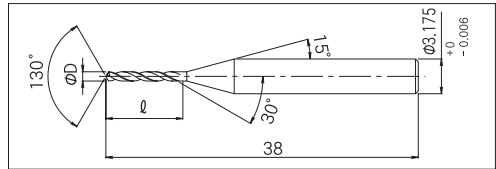
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로 그래핀 코팅 드릴 3.175mm

Micro Graphene Coating Drill, 1/8 inch shank

MDRG31



■ 비철금속 정밀 가공용 드릴

Designed for precision machining of non-ferrous materials.

■ 순수 카본으로 다이아몬드 결정구조에 가까운 얇은 코팅으로 우수한 품질 제공

Diamond-like pure carbon coating delivers excellent surface finish and superior machining performance.

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG31-0010	0.1	1.2	38	3.175	○
MDRG31-0011	0.11	1.2	38	3.175	○
MDRG31-0012	0.12	1.4	38	3.175	○
MDRG31-0013	0.13	1.4	38	3.175	○
MDRG31-0014	0.14	1.4	38	3.175	○
MDRG31-0015	0.15	1.8	38	3.175	●
MDRG31-0016	0.16	1.8	38	3.175	○
MDRG31-0017	0.17	1.8	38	3.175	○
MDRG31-0018	0.18	2.1	38	3.175	○
MDRG31-0019	0.19	2.1	38	3.175	○
MDRG31-0020	0.2	2.4	38	3.175	●
MDRG31-0021	0.21	2.4	38	3.175	○
MDRG31-0022	0.22	2.6	38	3.175	○
MDRG31-0023	0.23	2.6	38	3.175	○
MDRG31-0024	0.24	2.6	38	3.175	○
MDRG31-0025	0.25	3	38	3.175	●
MDRG31-0026	0.26	3	38	3.175	○
MDRG31-0027	0.27	3	38	3.175	○
MDRG31-0028	0.28	3.3	38	3.175	○
MDRG31-0029	0.29	3.3	38	3.175	○
MDRG31-0030	0.3	5	38	3.175	●
MDRG31-0031	0.31	5	38	3.175	○
MDRG31-0032	0.32	5	38	3.175	○
MDRG31-0033	0.33	5	38	3.175	○
MDRG31-0034	0.34	5	38	3.175	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG31-0035	0.35	5	38	3.175	●
MDRG31-0036	0.36	5	38	3.175	○
MDRG31-0037	0.37	5	38	3.175	○
MDRG31-0038	0.38	5	38	3.175	○
MDRG31-0039	0.39	5	38	3.175	○
MDRG31-0040	0.4	5.3	38	3.175	●
MDRG31-0041	0.41	5.3	38	3.175	○
MDRG31-0042	0.42	5.3	38	3.175	○
MDRG31-0043	0.43	5.3	38	3.175	○
MDRG31-0044	0.44	5.3	38	3.175	○
MDRG31-0045	0.45	5.3	38	3.175	●
MDRG31-0046	0.46	5.3	38	3.175	○
MDRG31-0047	0.47	5.3	38	3.175	○
MDRG31-0048	0.48	5.3	38	3.175	○
MDRG31-0049	0.49	5.3	38	3.175	○
MDRG31-0050	0.5	5.3	38	3.175	●
MDRG31-0051	0.51	5.3	38	3.175	○
MDRG31-0052	0.52	5.3	38	3.175	○
MDRG31-0053	0.53	5.3	38	3.175	○
MDRG31-0054	0.54	5.3	38	3.175	○
MDRG31-0055	0.55	5.3	38	3.175	●
MDRG31-0056	0.56	7	38	3.175	○
MDRG31-0057	0.57	7	38	3.175	○
MDRG31-0058	0.58	7	38	3.175	○
MDRG31-0059	0.59	7	38	3.175	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로 그래핀 코팅 드릴 3.175mm | 41

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRG31-0060	0.6	7	38	3.175	●
MDRG31-0061	0.61	7	38	3.175	○
MDRG31-0062	0.62	7	38	3.175	○
MDRG31-0063	0.63	7	38	3.175	○
MDRG31-0064	0.64	7	38	3.175	○
MDRG31-0065	0.65	7	38	3.175	●
MDRG31-0066	0.66	7	38	3.175	○
MDRG31-0067	0.67	7	38	3.175	○
MDRG31-0068	0.68	7	38	3.175	○
MDRG31-0069	0.69	7	38	3.175	○
MDRG31-0070	0.7	8.5	38	3.175	●
MDRG31-0071	0.71	8.5	38	3.175	○
MDRG31-0072	0.72	8.5	38	3.175	○
MDRG31-0073	0.73	8.5	38	3.175	○
MDRG31-0074	0.74	8.5	38	3.175	○
MDRG31-0075	0.75	8.5	38	3.175	●
MDRG31-0076	0.76	8.5	38	3.175	○
MDRG31-0077	0.77	8.5	38	3.175	○
MDRG31-0078	0.78	8.5	38	3.175	○
MDRG31-0079	0.79	8.5	38	3.175	○
MDRG31-0080	0.8	10.5	38	3.175	●
MDRG31-0081	0.81	10.5	38	3.175	○
MDRG31-0082	0.82	10.5	38	3.175	○
MDRG31-0083	0.83	10.5	38	3.175	○
MDRG31-0084	0.84	10.5	38	3.175	○
MDRG31-0085	0.85	10.5	38	3.175	●
MDRG31-0086	0.86	10.5	38	3.175	○
MDRG31-0087	0.87	10.5	38	3.175	○
MDRG31-0088	0.88	10.5	38	3.175	○
MDRG31-0089	0.89	10.5	38	3.175	○
MDRG31-0090	0.9	10.5	38	3.175	●
MDRG31-0091	0.91	10.5	38	3.175	○
MDRG31-0092	0.92	10.5	38	3.175	○
MDRG31-0093	0.93	10.5	38	3.175	○
MDRG31-0094	0.94	10.5	38	3.175	○
MDRG31-0095	0.95	10.5	38	3.175	●
MDRG31-0096	0.96	10.5	38	3.175	○
MDRG31-0097	0.97	10.5	38	3.175	○
MDRG31-0098	0.98	10.5	38	3.175	○
MDRG31-0099	0.99	10.5	38	3.175	○
MDRG31-0100	1.0	10.5	38	3.175	●
MDRG31-0101	1.01	10.5	38	3.175	○
MDRG31-0102	1.02	10.5	38	3.175	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRG31-0103	1.03	10.5	38	3.175	○
MDRG31-0104	1.04	10.5	38	3.175	○
MDRG31-0105	1.05	10.5	38	3.175	●
MDRG31-0106	1.06	10.5	38	3.175	○
MDRG31-0107	1.07	10.5	38	3.175	○
MDRG31-0108	1.08	10.5	38	3.175	○
MDRG31-0109	1.09	10.5	38	3.175	○
MDRG31-0110	1.1	10.5	38	3.175	●
MDRG31-0111	1.11	10.5	38	3.175	○
MDRG31-0112	1.12	10.5	38	3.175	○
MDRG31-0113	1.13	10.5	38	3.175	○
MDRG31-0114	1.14	10.5	38	3.175	○
MDRG31-0115	1.15	10.5	38	3.175	●
MDRG31-0116	1.16	10.5	38	3.175	○
MDRG31-0117	1.17	10.5	38	3.175	○
MDRG31-0118	1.18	10.5	38	3.175	○
MDRG31-0119	1.19	10.5	38	3.175	○
MDRG31-0120	1.2	10.5	38	3.175	●
MDRG31-0121	1.21	10.5	38	3.175	○
MDRG31-0122	1.22	10.5	38	3.175	○
MDRG31-0123	1.23	10.5	38	3.175	○
MDRG31-0124	1.24	10.5	38	3.175	○
MDRG31-0125	1.25	10.5	38	3.175	●
MDRG31-0126	1.26	10.5	38	3.175	○
MDRG31-0127	1.27	10.5	38	3.175	○
MDRG31-0128	1.28	10.5	38	3.175	○
MDRG31-0129	1.29	10.5	38	3.175	○
MDRG31-0130	1.3	10.5	38	3.175	●
MDRG31-0131	1.31	10.5	38	3.175	○
MDRG31-0132	1.32	10.5	38	3.175	○
MDRG31-0133	1.33	10.5	38	3.175	○
MDRG31-0134	1.34	10.5	38	3.175	○
MDRG31-0135	1.35	10.5	38	3.175	●
MDRG31-0136	1.36	10.5	38	3.175	○
MDRG31-0137	1.37	10.5	38	3.175	○
MDRG31-0138	1.38	10.5	38	3.175	○
MDRG31-0139	1.39	10.5	38	3.175	○
MDRG31-0140	1.4	10.5	38	3.175	●
MDRG31-0141	1.41	10.5	38	3.175	○
MDRG31-0142	1.42	10.5	38	3.175	○
MDRG31-0143	1.43	10.5	38	3.175	○
MDRG31-0144	1.44	10.5	38	3.175	○
MDRG31-0145	1.45	10.5	38	3.175	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG31-0146	1.46	10.5	38	3.175	○
MDRG31-0147	1.47	10.5	38	3.175	○
MDRG31-0148	1.48	10.5	38	3.175	○
MDRG31-0149	1.49	10.5	38	3.175	○
MDRG31-0150	1.5	10.5	38	3.175	●
MDRG31-0151	1.51	10.5	38	3.175	○
MDRG31-0152	1.52	10.5	38	3.175	○
MDRG31-0153	1.53	10.5	38	3.175	○
MDRG31-0154	1.54	10.5	38	3.175	○
MDRG31-0155	1.55	10.5	38	3.175	●
MDRG31-0156	1.56	10.5	38	3.175	○
MDRG31-0157	1.57	10.5	38	3.175	○
MDRG31-0158	1.58	10.5	38	3.175	○
MDRG31-0159	1.59	10.5	38	3.175	○
MDRG31-0160	1.6	10.5	38	3.175	●
MDRG31-0161	1.61	10.5	38	3.175	○
MDRG31-0162	1.62	10.5	38	3.175	○
MDRG31-0163	1.63	10.5	38	3.175	○
MDRG31-0164	1.64	10.5	38	3.175	○
MDRG31-0165	1.65	10.5	38	3.175	●
MDRG31-0166	1.66	10.5	38	3.175	○
MDRG31-0167	1.67	10.5	38	3.175	○
MDRG31-0168	1.68	10.5	38	3.175	○
MDRG31-0169	1.69	10.5	38	3.175	○
MDRG31-0170	1.7	10.5	38	3.175	●
MDRG31-0171	1.71	10.5	38	3.175	○
MDRG31-0172	1.72	10.5	38	3.175	○
MDRG31-0173	1.73	10.5	38	3.175	○
MDRG31-0174	1.74	10.5	38	3.175	○
MDRG31-0175	1.75	10.5	38	3.175	●
MDRG31-0176	1.76	10.5	38	3.175	○
MDRG31-0177	1.77	10.5	38	3.175	○
MDRG31-0178	1.78	10.5	38	3.175	○
MDRG31-0179	1.79	10.5	38	3.175	○
MDRG31-0180	1.8	10.5	38	3.175	●
MDRG31-0181	1.81	10.5	38	3.175	○
MDRG31-0182	1.82	10.5	38	3.175	○
MDRG31-0183	1.83	10.5	38	3.175	○
MDRG31-0184	1.84	10.5	38	3.175	○
MDRG31-0185	1.85	10.5	38	3.175	●
MDRG31-0186	1.86	10.5	38	3.175	○
MDRG31-0187	1.87	10.5	38	3.175	○
MDRG31-0188	1.88	10.5	38	3.175	○

제품번호 Code No.	외경(D) Dia	날장(I) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MDRG31-0189	1.89	10.5	38	3.175	○
MDRG31-0190	1.9	10.5	38	3.175	●
MDRG31-0191	1.91	10.5	38	3.175	○
MDRG31-0192	1.92	10.5	38	3.175	○
MDRG31-0193	1.93	10.5	38	3.175	○
MDRG31-0194	1.94	10.5	38	3.175	○
MDRG31-0195	1.95	10.5	38	3.175	●
MDRG31-0196	1.96	10.5	38	3.175	○
MDRG31-0197	1.97	10.5	38	3.175	○
MDRG31-0198	1.98	10.5	38	3.175	○
MDRG31-0199	1.99	10.5	38	3.175	○
MDRG31-0200	2.0	10.5	38	3.175	●
MDRG31-0201	2.01	10.5	38	3.175	○
MDRG31-0202	2.02	10.5	38	3.175	○
MDRG31-0203	2.03	10.5	38	3.175	○
MDRG31-0204	2.04	10.5	38	3.175	○
MDRG31-0205	2.05	10.5	38	3.175	●
MDRG31-0206	2.06	10.5	38	3.175	○
MDRG31-0207	2.07	10.5	38	3.175	○
MDRG31-0208	2.08	10.5	38	3.175	○
MDRG31-0209	2.09	10.5	38	3.175	○
MDRG31-0210	2.1	10.5	38	3.175	●
MDRG31-0211	2.11	10.5	38	3.175	○
MDRG31-0212	2.12	10.5	38	3.175	○
MDRG31-0213	2.13	10.5	38	3.175	○
MDRG31-0214	2.14	10.5	38	3.175	○
MDRG31-0215	2.15	10.5	38	3.175	●
MDRG31-0216	2.16	10.5	38	3.175	○
MDRG31-0217	2.17	10.5	38	3.175	○
MDRG31-0218	2.18	10.5	38	3.175	○
MDRG31-0219	2.19	10.5	38	3.175	○
MDRG31-0220	2.2	10.5	38	3.175	●
MDRG31-0221	2.21	10.5	38	3.175	○
MDRG31-0222	2.22	10.5	38	3.175	○
MDRG31-0223	2.23	10.5	38	3.175	○
MDRG31-0224	2.24	10.5	38	3.175	○
MDRG31-0225	2.25	10.5	38	3.175	●
MDRG31-0226	2.26	10.5	38	3.175	○
MDRG31-0227	2.27	10.5	38	3.175	○
MDRG31-0228	2.28	10.5	38	3.175	○
MDRG31-0229	2.29	10.5	38	3.175	○
MDRG31-0230	2.3	10.5	38	3.175	●
MDRG31-0231	2.31	10.5	38	3.175	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRG31-0232	2.32	10.5	38	3.175	○
MDRG31-0233	2.33	10.5	38	3.175	○
MDRG31-0234	2.34	10.5	38	3.175	○
MDRG31-0235	2.35	10.5	38	3.175	●
MDRG31-0236	2.36	10.5	38	3.175	○
MDRG31-0237	2.37	10.5	38	3.175	○
MDRG31-0238	2.38	10.5	38	3.175	○
MDRG31-0239	2.39	10.5	38	3.175	○
MDRG31-0240	2.4	10.5	38	3.175	●
MDRG31-0241	2.41	10.5	38	3.175	○
MDRG31-0242	2.42	10.5	38	3.175	○
MDRG31-0243	2.43	10.5	38	3.175	○
MDRG31-0244	2.44	10.5	38	3.175	○
MDRG31-0245	2.45	10.5	38	3.175	●
MDRG31-0246	2.46	10.5	38	3.175	○
MDRG31-0247	2.47	10.5	38	3.175	○
MDRG31-0248	2.48	10.5	38	3.175	○
MDRG31-0249	2.49	10.5	38	3.175	○
MDRG31-0250	2.5	10.5	38	3.175	●
MDRG31-0251	2.51	10.5	38	3.175	○
MDRG31-0252	2.52	10.5	38	3.175	○
MDRG31-0253	2.53	10.5	38	3.175	○
MDRG31-0254	2.54	10.5	38	3.175	○
MDRG31-0255	2.55	10.5	38	3.175	●
MDRG31-0256	2.56	10.5	38	3.175	○
MDRG31-0257	2.57	10.5	38	3.175	○
MDRG31-0258	2.58	10.5	38	3.175	○
MDRG31-0259	2.59	10.5	38	3.175	○
MDRG31-0260	2.6	10.5	38	3.175	●
MDRG31-0261	2.61	10.5	38	3.175	○
MDRG31-0262	2.62	10.5	38	3.175	○
MDRG31-0263	2.63	10.5	38	3.175	○
MDRG31-0264	2.64	10.5	38	3.175	○
MDRG31-0265	2.65	10.5	38	3.175	●
MDRG31-0266	2.66	10.5	38	3.175	○
MDRG31-0267	2.67	10.5	38	3.175	○
MDRG31-0268	2.68	10.5	38	3.175	○
MDRG31-0269	2.69	10.5	38	3.175	○
MDRG31-0270	2.7	10.5	38	3.175	●
MDRG31-0271	2.71	10.5	38	3.175	○
MDRG31-0272	2.72	10.5	38	3.175	○
MDRG31-0273	2.73	10.5	38	3.175	○
MDRG31-0274	2.74	10.5	38	3.175	○
MDRG31-0275	2.75	10.5	38	3.175	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	상크(S) Shank	재고 유무
MDRG31-0276	2.76	10.5	38	3.175	○
MDRG31-0277	2.77	10.5	38	3.175	○
MDRG31-0278	2.78	10.5	38	3.175	○
MDRG31-0279	2.79	10.5	38	3.175	○
MDRG31-0280	2.8	10.5	38	3.175	●
MDRG31-0281	2.81	10.5	38	3.175	○
MDRG31-0282	2.82	10.5	38	3.175	○
MDRG31-0283	2.83	10.5	38	3.175	○
MDRG31-0284	2.84	10.5	38	3.175	○
MDRG31-0285	2.85	10.5	38	3.175	●
MDRG31-0286	2.86	10.5	38	3.175	○
MDRG31-0287	2.87	10.5	38	3.175	○
MDRG31-0288	2.88	10.5	38	3.175	○
MDRG31-0289	2.89	10.5	38	3.175	○
MDRG31-0290	2.9	10.5	38	3.175	●
MDRG31-0291	2.91	10.5	38	3.175	○
MDRG31-0292	2.92	10.5	38	3.175	○
MDRG31-0293	2.93	10.5	38	3.175	○
MDRG31-0294	2.94	10.5	38	3.175	○
MDRG31-0295	2.95	10.5	38	3.175	●
MDRG31-0296	2.96	10.5	38	3.175	○
MDRG31-0297	2.97	10.5	38	3.175	○
MDRG31-0298	2.98	10.5	38	3.175	○
MDRG31-0299	2.99	10.5	38	3.175	○
MDRG31-0300	3.0	10.5	38	3.175	●
MDRG31-0301	3.01	10.5	38	3.175	○
MDRG31-0302	3.02	10.5	38	3.175	○
MDRG31-0303	3.03	10.5	38	3.175	○
MDRG31-0304	3.04	10.5	38	3.175	○
MDRG31-0305	3.05	10.5	38	3.175	●
MDRG31-0306	3.06	10.5	38	3.175	○
MDRG31-0307	3.07	10.5	38	3.175	○
MDRG31-0308	3.08	10.5	38	3.175	○
MDRG31-0309	3.09	10.5	38	3.175	○
MDRG31-0310	3.1	10.5	38	3.175	●
MDRG31-0311	3.11	10.5	38	3.175	○
MDRG31-0312	3.12	10.5	38	3.175	○
MDRG31-0313	3.13	10.5	38	3.175	○
MDRG31-0314	3.14	10.5	38	3.175	○
MDRG31-0315	3.15	10.5	38	3.175	●
MDRG31-0316	3.16	10.5	38	3.175	○
MDRG31-0317	3.17	10.5	38	3.175	○
MDRG31-03175	3.175	10.5	38	3.175	○

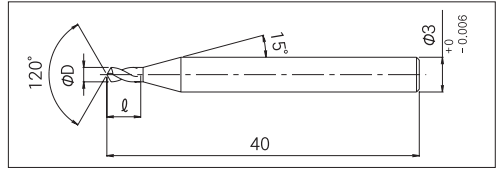
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로드릴 2XD

NC Pointing Drill with 120° point angle

MNC30



- 홀 위치 및 홀 정밀도가 중요한 가공에 최적

Most suitable for work that requires stringent hole position accuracy.

- TiAlN 코팅 적용으로 내마모성 및 공구 수명 향상

Enhanced wear resistance and longer tool life with TiAlN Coating

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MNC30-0010	0.1	0.2	40	3	○
MNC30-0011	0.11	0.2	40	3	○
MNC30-0012	0.12	0.2	40	3	○
MNC30-0013	0.13	0.2	40	3	○
MNC30-0014	0.14	0.2	40	3	○
MNC30-0015	0.15	0.2	40	3	○
MNC30-0016	0.16	0.3	40	3	○
MNC30-0017	0.17	0.3	40	3	○
MNC30-0018	0.18	0.3	40	3	○
MNC30-0019	0.19	0.3	40	3	○
MNC30-0020	0.2	0.4	40	3	●
MNC30-0021	0.21	0.4	40	3	○
MNC30-0022	0.22	0.4	40	3	○
MNC30-0023	0.23	0.4	40	3	○
MNC30-0024	0.24	0.4	40	3	○
MNC30-0025	0.25	0.4	40	3	●
MNC30-0026	0.26	0.4	40	3	○
MNC30-0027	0.27	0.4	40	3	○
MNC30-0028	0.28	0.4	40	3	○
MNC30-0029	0.29	0.4	40	3	○
MNC30-0030	0.3	0.6	40	3	●
MNC30-0035	0.35	0.6	40	3	●
MNC30-0040	0.4	0.6	40	3	●
MNC30-0045	0.45	0.6	40	3	●
MNC30-0050	0.5	1	40	3	●
MNC30-0055	0.55	1	40	3	○
MNC30-0060	0.6	1	40	3	●
MNC30-0065	0.65	1	40	3	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MNC30-0070	0.7	1.2	40	3	●
MNC30-0075	0.75	1.2	40	3	○
MNC30-0080	0.8	1.2	40	3	●
MNC30-0085	0.85	1.2	40	3	○
MNC30-0090	0.9	1.8	40	3	●
MNC30-0095	0.95	1.8	40	3	○
MNC30-0100	1.0	2	40	3	●
MNC30-0110	1.1	2.2	40	3	●
MNC30-0120	1.2	2.5	40	3	●
MNC30-0130	1.3	2.5	40	3	●
MNC30-0140	1.4	2.5	40	3	●
MNC30-0150	1.5	2.5	40	3	●
MNC30-0160	1.6	2.5	40	3	●
MNC30-0170	1.7	3	40	3	●
MNC30-0180	1.8	3	40	3	●
MNC30-0190	1.9	3	40	3	●
MNC30-0200	2.0	4	40	3	●
MNC30-0210	2.1	4	40	3	○
MNC30-0220	2.2	4	40	3	○
MNC30-0230	2.3	5	40	3	○
MNC30-0240	2.4	5	40	3	○
MNC30-0250	2.5	5	40	3	○
MNC30-0260	2.6	5	40	3	○
MNC30-0270	2.7	5	40	3	○
MNC30-0280	2.8	5	40	3	○
MNC30-0290	2.9	5	40	3	○
MNC30-0300	3.0	5	40	3	○

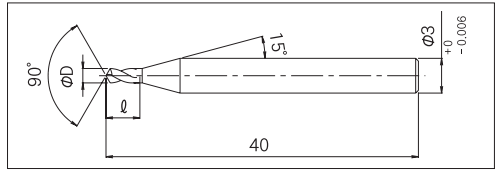
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로드릴 2XD

NC Pointing Drill with 90° point angle

MNC309



- 홀 위치 및 홀 정밀도가 중요한 가공에 최적
Most suitable for work that requires stringent hole position accuracy.
- TiAlN 코팅 적용으로 내마모성 및 공구 수명 향상
Enhanced wear resistance and longer tool life with TiAlN Coating

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MNC309-0010	0.1	0.2	40	3	○
MNC309-0011	0.11	0.2	40	3	○
MNC309-0012	0.12	0.2	40	3	○
MNC309-0013	0.13	0.2	40	3	○
MNC309-0014	0.14	0.2	40	3	○
MNC309-0015	0.15	0.2	40	3	○
MNC309-0016	0.16	0.3	40	3	○
MNC309-0017	0.17	0.3	40	3	○
MNC309-0018	0.18	0.3	40	3	○
MNC309-0019	0.19	0.3	40	3	○
MNC309-0020	0.2	0.4	40	3	●
MNC309-0021	0.21	0.4	40	3	○
MNC309-0022	0.22	0.4	40	3	○
MNC309-0023	0.23	0.4	40	3	○
MNC309-0024	0.24	0.4	40	3	○
MNC309-0025	0.25	0.4	40	3	●
MNC309-0026	0.26	0.4	40	3	○
MNC309-0027	0.27	0.4	40	3	○
MNC309-0028	0.28	0.4	40	3	○
MNC309-0029	0.29	0.4	40	3	○
MNC309-0030	0.3	0.6	40	3	●
MNC309-0035	0.35	0.6	40	3	●
MNC309-0040	0.4	0.6	40	3	●
MNC309-0045	0.45	0.6	40	3	●
MNC309-0050	0.5	1	40	3	●
MNC309-0055	0.55	1	40	3	○
MNC309-0060	0.6	1	40	3	●
MNC309-0065	0.65	1	40	3	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MNC309-0070	0.7	1.2	40	3	●
MNC309-0075	0.75	1.2	40	3	●
MNC309-0080	0.8	1.2	40	3	●
MNC309-0085	0.85	1.2	40	3	○
MNC309-0090	0.9	1.8	40	3	●
MNC309-0095	0.95	1.8	40	3	○
MNC309-0100	1.0	2	40	3	●
MNC309-0110	1.1	2.2	40	3	○
MNC309-0120	1.2	2.5	40	3	○
MNC309-0130	1.3	2.5	40	3	○
MNC309-0140	1.4	2.5	40	3	○
MNC309-0150	1.5	2.5	40	3	●
MNC309-0160	1.6	2.5	40	3	○
MNC309-0170	1.7	3	40	3	○
MNC309-0180	1.8	3	40	3	○
MNC309-0190	1.9	3	40	3	○
MNC309-0200	2.0	4	40	3	○
MNC309-0210	2.1	4	40	3	○
MNC309-0220	2.2	4	40	3	○
MNC309-0230	2.3	5	40	3	○
MNC309-0240	2.4	5	40	3	○
MNC309-0250	2.5	5	40	3	○
MNC309-0260	2.6	5	40	3	○
MNC309-0270	2.7	5	40	3	○
MNC309-0280	2.8	5	40	3	○
MNC309-0290	2.9	5	40	3	○
MNC309-0300	3.0	5	40	3	○

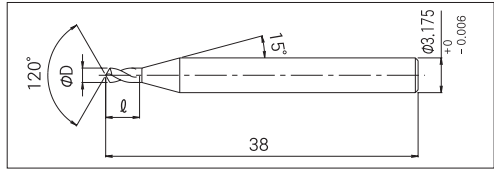
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

마이크로드릴 2XD

NC Pointing Drill with 120° point angle and 3.175mm(1/8") shank

MNC31



- 홀 위치 및 홀 정밀도가 중요한 가공에 최적

Most suitable for work that requires stringent hole position accuracy.

- TiAIN 코팅 적용으로 내마모성 및 공구 수명 향상

Enhanced wear resistance and longer tool life with TiAIN Coating

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MNC31 - 0010	0.1	0.2	38	3.175	○
MNC31 - 0011	0.11	0.2	38	3.175	○
MNC31 - 0012	0.12	0.2	38	3.175	○
MNC31 - 0013	0.13	0.2	38	3.175	○
MNC31 - 0014	0.14	0.2	38	3.175	○
MNC31 - 0015	0.15	0.2	38	3.175	○
MNC31 - 0016	0.16	0.3	38	3.175	○
MNC31 - 0017	0.17	0.3	38	3.175	○
MNC31 - 0018	0.18	0.3	38	3.175	○
MNC31 - 0019	0.19	0.3	38	3.175	○
MNC31 - 0020	0.2	0.4	38	3.175	●
MNC31 - 0021	0.21	0.4	38	3.175	○
MNC31 - 0022	0.22	0.4	38	3.175	○
MNC31 - 0023	0.23	0.4	38	3.175	○
MNC31 - 0024	0.24	0.4	38	3.175	○
MNC31 - 0025	0.25	0.4	38	3.175	●
MNC31 - 0026	0.26	0.4	38	3.175	○
MNC31 - 0027	0.27	0.4	38	3.175	○
MNC31 - 0028	0.28	0.4	38	3.175	○
MNC31 - 0029	0.29	0.4	38	3.175	○
MNC31 - 0030	0.3	0.6	38	3.175	●
MNC31 - 0035	0.35	0.6	38	3.175	●
MNC31 - 0040	0.4	0.6	38	3.175	●
MNC31 - 0045	0.45	0.6	38	3.175	●
MNC31 - 0050	0.5	1	38	3.175	●
MNC31 - 0055	0.55	1	38	3.175	○
MNC31 - 0060	0.6	1	38	3.175	●
MNC31 - 0065	0.65	1	38	3.175	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MNC31 - 0070	0.7	1.2	38	3.175	●
MNC31 - 0075	0.75	1.2	38	3.175	●
MNC31 - 0080	0.8	1.2	38	3.175	●
MNC31 - 0085	0.85	1.2	38	3.175	○
MNC31 - 0090	0.9	1.8	38	3.175	●
MNC31 - 0095	0.95	1.8	38	3.175	○
MNC31 - 0100	1.0	2	38	3.175	●
MNC31 - 0110	1.1	2.2	38	3.175	○
MNC31 - 0120	1.2	2.5	38	3.175	○
MNC31 - 0130	1.3	2.5	38	3.175	○
MNC31 - 0140	1.4	2.5	38	3.175	○
MNC31 - 0150	1.5	2.5	38	3.175	●
MNC31 - 0160	1.6	2.5	38	3.175	○
MNC31 - 0170	1.7	3	38	3.175	○
MNC31 - 0180	1.8	3	38	3.175	○
MNC31 - 0190	1.9	3	38	3.175	○
MNC31 - 0200	2.0	4	38	3.175	○
MNC31 - 0210	2.1	4	38	3.175	○
MNC31 - 0220	2.2	4	38	3.175	○
MNC31 - 0230	2.3	5	38	3.175	○
MNC31 - 0240	2.4	5	38	3.175	○
MNC31 - 0250	2.5	5	38	3.175	○
MNC31 - 0260	2.6	5	38	3.175	○
MNC31 - 0270	2.7	5	38	3.175	○
MNC31 - 0280	2.8	5	38	3.175	○
MNC31 - 0290	2.9	5	38	3.175	○
MNC31 - 0300	3.0	5	38	3.175	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

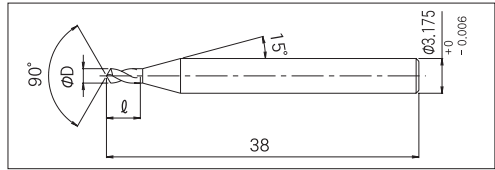
마이크로드릴 2XD | 47

NC Pointing Drill with 120° point angle and 3.175mm(1/8") shank
MNC31

마이크로드릴 2XD

NC Pointing Drill with 90° point angle and 3.175mm(1/8") shank

MNC319



- 홀 위치 및 홀 정밀도가 중요한 가공에 최적
Most suitable for work that requires stringent hole position accuracy.
- TiAlN 코팅 적용으로 내마모성 및 공구 수명 향상
Enhanced wear resistance and longer tool life with TiAlN Coating.

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MNC319-0010	0.1	0.2	38	3.175	○
MNC319-0011	0.11	0.2	38	3.175	○
MNC319-0012	0.12	0.2	38	3.175	○
MNC319-0013	0.13	0.2	38	3.175	○
MNC319-0014	0.14	0.2	38	3.175	○
MNC319-0015	0.15	0.2	38	3.175	○
MNC319-0016	0.16	0.3	38	3.175	○
MNC319-0017	0.17	0.3	38	3.175	○
MNC319-0018	0.18	0.3	38	3.175	○
MNC319-0019	0.19	0.3	38	3.175	○
MNC319-0020	0.2	0.4	38	3.175	●
MNC319-0021	0.21	0.4	38	3.175	○
MNC319-0022	0.22	0.4	38	3.175	○
MNC319-0023	0.23	0.4	38	3.175	○
MNC319-0024	0.24	0.4	38	3.175	○
MNC319-0025	0.25	0.4	38	3.175	●
MNC319-0026	0.26	0.4	38	3.175	○
MNC319-0027	0.27	0.4	38	3.175	○
MNC319-0028	0.28	0.4	38	3.175	○
MNC319-0029	0.29	0.4	38	3.175	○
MNC319-0030	0.3	0.6	38	3.175	●
MNC319-0035	0.35	0.6	38	3.175	●
MNC319-0040	0.4	0.6	38	3.175	●
MNC319-0045	0.45	0.6	38	3.175	●
MNC319-0050	0.5	1	38	3.175	○
MNC319-0055	0.55	1	38	3.175	○
MNC319-0060	0.6	1	38	3.175	●
MNC319-0065	0.65	1	38	3.175	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MNC319-0070	0.7	1.2	38	3.175	●
MNC319-0075	0.75	1.2	38	3.175	●
MNC319-0080	0.8	1.2	38	3.175	●
MNC319-0085	0.85	1.2	38	3.175	○
MNC319-0090	0.9	1.8	38	3.175	●
MNC319-0095	0.95	1.8	38	3.175	○
MNC319-0100	1.0	2	38	3.175	●
MNC319-0110	1.1	2.2	38	3.175	○
MNC319-0120	1.2	2.5	38	3.175	○
MNC319-0130	1.3	2.5	38	3.175	○
MNC319-0140	1.4	2.5	38	3.175	○
MNC319-0150	1.5	2.5	38	3.175	●
MNC319-0160	1.6	2.5	38	3.175	○
MNC319-0170	1.7	3	38	3.175	○
MNC319-0180	1.8	3	38	3.175	○
MNC319-0190	1.9	3	38	3.175	○
MNC319-0200	2.0	4	38	3.175	○
MNC319-0210	2.1	4	38	3.175	○
MNC319-0220	2.2	4	38	3.175	○
MNC319-0230	2.3	5	38	3.175	○
MNC319-0240	2.4	5	38	3.175	○
MNC319-0250	2.5	5	38	3.175	○
MNC319-0260	2.6	5	38	3.175	○
MNC319-0270	2.7	5	38	3.175	○
MNC319-0280	2.8	5	38	3.175	○
MNC319-0290	2.9	5	38	3.175	○
MNC319-0300	3.0	5	38	3.175	○

● = 표준 재고품 / Standard stock item

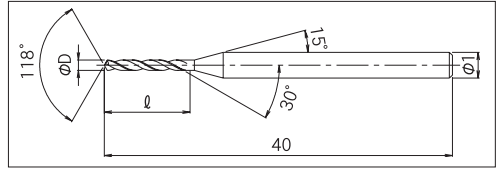
○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

MNC319 NC Pointing Drill with 90° point angle and 3.175mm(1/8") shank

마이크로드릴 1mm 샹크

Micro Drill, 1mm shank

MTR1



■ 정밀 미세홀 가공용 1mm 샹크 드릴

1mm shank drill series for drilling precision small holes.

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MTR1-0010	0.1	1	30	1	○
MTR1-0011	0.11	1	30	1	○
MTR1-0012	0.12	1	30	1	○
MTR1-0013	0.13	1	30	1	○
MTR1-0014	0.14	1	30	1	○
MTR1-0015	0.15	1.5	30	1	○
MTR1-0016	0.16	1.5	30	1	○
MTR1-0017	0.17	1.5	30	1	○
MTR1-0018	0.18	1.5	30	1	○
MTR1-0019	0.19	1.5	30	1	○
MTR1-0020	0.2	2	30	1	○
MTR1-0021	0.21	2	30	1	○
MTR1-0022	0.22	2	30	1	○
MTR1-0023	0.23	2	30	1	○
MTR1-0024	0.24	2	30	1	○
MTR1-0025	0.25	2.5	30	1	○
MTR1-0026	0.26	2.5	30	1	○
MTR1-0027	0.27	2.5	30	1	○
MTR1-0028	0.28	2.5	30	1	○
MTR1-0029	0.29	2.5	30	1	○
MTR1-0030	0.3	3	30	1	○
MTR1-0031	0.31	3	30	1	○
MTR1-0032	0.32	3	30	1	○
MTR1-0033	0.33	3	30	1	○
MTR1-0034	0.34	3	30	1	○
MTR1-0035	0.35	3.5	30	1	○
MTR1-0036	0.36	3.5	30	1	○
MTR1-0037	0.37	3.5	30	1	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	샹크(S) Shank	재고 유무
MTR1-0038	0.38	3.5	30	1	○
MTR1-0039	0.39	3.5	30	1	○
MTR1-0040	0.4	4	30	1	○
MTR1-0041	0.41	4	30	1	○
MTR1-0042	0.42	4	30	1	○
MTR1-0043	0.43	4	30	1	○
MTR1-0044	0.44	4	30	1	○
MTR1-0045	0.45	4.5	30	1	○
MTR1-0046	0.46	4.5	30	1	○
MTR1-0047	0.47	4.5	30	1	○
MTR1-0048	0.48	4.5	30	1	○
MTR1-0049	0.49	4.5	30	1	○
MTR1-0050	0.5	5	30	1	○
MTR1-0051	0.51	5	30	1	○
MTR1-0052	0.52	5	30	1	○
MTR1-0053	0.53	5	30	1	○
MTR1-0054	0.54	5	30	1	○
MTR1-0055	0.55	5.5	30	1	○
MTR1-0056	0.56	5.5	30	1	○
MTR1-0057	0.57	5.5	30	1	○
MTR1-0058	0.58	5.5	30	1	○
MTR1-0059	0.59	5.5	30	1	○
MTR1-0060	0.6	6	30	1	○
MTR1-0061	0.61	6	30	1	○
MTR1-0062	0.62	6	30	1	○
MTR1-0063	0.63	6	30	1	○
MTR1-0064	0.64	6	30	1	○
MTR1-0065	0.65	6.5	30	1	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MTR1-0066	0.66	6.5	30	1	○
MTR1-0067	0.67	6.5	30	1	○
MTR1-0068	0.68	6.5	30	1	○
MTR1-0069	0.69	6.5	30	1	○
MTR1-0070	0.7	7	30	1	○
MTR1-0071	0.71	7	30	1	○
MTR1-0072	0.72	7	30	1	○
MTR1-0073	0.73	7	30	1	○
MTR1-0074	0.74	7	30	1	○
MTR1-0075	0.75	7.5	30	1	○
MTR1-0076	0.76	7.5	30	1	○
MTR1-0077	0.77	7.5	30	1	○
MTR1-0078	0.78	7.5	30	1	○
MTR1-0079	0.79	7.5	30	1	○
MTR1-0080	0.8	8	30	1	○
MTR1-0081	0.81	8	30	1	○
MTR1-0082	0.82	8	30	1	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	샤크(S) Shank	재고 유무
MTR1-0083	0.83	8	30	1	○
MTR1-0084	0.84	8	30	1	○
MTR1-0085	0.85	8.5	30	1	○
MTR1-0086	0.86	8.5	30	1	○
MTR1-0087	0.87	8.5	30	1	○
MTR1-0088	0.88	8.5	30	1	○
MTR1-0089	0.89	8.5	30	1	○
MTR1-0090	0.9	9	30	1	○
MTR1-0091	0.91	9	30	1	○
MTR1-0092	0.92	9	30	1	○
MTR1-0093	0.93	9	30	1	○
MTR1-0094	0.94	9	30	1	○
MTR1-0095	0.95	9.5	30	1	○
MTR1-0096	0.96	9.5	30	1	○
MTR1-0097	0.97	9.5	30	1	○
MTR1-0098	0.98	9.5	30	1	○
MTR1-0099	0.99	9.5	30	1	○

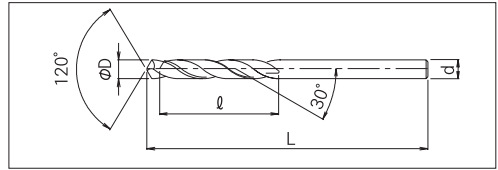
Micro Drill, 1mm shank
MTR1

● = 표준 재고품 / Standard stock item
○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

초경드릴

Solid Drill Standard, Straight Shank

SSD



- 강재, 비철금속 및 수지까지 폭넓게 적용 가능한 고품질 범용 드릴
High quality general purpose drill applicable for steels, non-ferrous materials and for plastics.
- 고속 절삭은 물론 저속 절삭에서도 우수한 절삭 성능을 제공
An excellent cutting performance is obtained at comparatively low speed.

날경공차 : +0~-0.005

ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SSD-0050	0.5	6	40	○
SSD-0055	0.55	6	40	○
SSD-0060	0.6	6	40	○
SSD-0065	0.65	6	40	○
SSD-0070	0.7	12	40	●
SSD-0071	0.71	12	41	○
SSD-0072	0.72	12	42	○
SSD-0073	0.73	12	43	○
SSD-0074	0.74	12	44	○
SSD-0075	0.75	12	40	●
SSD-0076	0.76	12	40	●
SSD-0077	0.77	12	40	●
SSD-0078	0.78	12	40	●
SSD-0079	0.79	12	40	●
SSD-0080	0.8	12	40	●
SSD-0081	0.81	12	40	●
SSD-0082	0.82	12	40	●
SSD-0083	0.83	12	40	●
SSD-0084	0.84	12	40	●
SSD-0085	0.85	12	40	●
SSD-0086	0.86	12	40	●
SSD-0087	0.87	12	40	●
SSD-0088	0.88	12	40	●
SSD-0089	0.89	12	40	●
SSD-0090	0.9	12	40	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SSD-0091	0.91	12	40	●
SSD-0092	0.92	12	40	●
SSD-0093	0.93	12	40	●
SSD-0094	0.94	12	40	●
SSD-0095	0.95	12	40	●
SSD-0096	0.96	12	40	●
SSD-0097	0.97	12	40	●
SSD-0098	0.98	12	40	●
SSD-0099	0.99	12	40	●
SSD-0100	1.0	12	40	●
SSD-0101	1.01	15	40	●
SSD-0102	1.02	15	40	●
SSD-0103	1.03	15	40	●
SSD-0104	1.04	15	40	●
SSD-0105	1.05	12	40	●
SSD-0106	1.06	15	40	●
SSD-0107	1.07	15	40	●
SSD-0108	1.08	15	40	●
SSD-0109	1.09	15	40	●
SSD-0110	1.1	12	40	●
SSD-0111	1.11	15	40	●
SSD-0112	1.12	15	40	●
SSD-0113	1.13	15	40	●
SSD-0114	1.14	15	40	●
SSD-0115	1.15	12	40	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD-0115	1.16	15	40	●
SSD-0117	1.17	15	40	●
SSD-0118	1.18	15	40	●
SSD-0119	1.19	15	40	●
SSD-0120	1.2	12	40	●
SSD-0121	1.21	15	40	●
SSD-0122	1.22	15	40	●
SSD-0123	1.23	15	40	●
SSD-0124	1.24	15	40	●
SSD-0125	1.25	12	40	●
SSD-0126	1.26	15	40	●
SSD-0127	1.27	15	40	●
SSD-0128	1.28	15	40	●
SSD-0129	1.29	15	40	●
SSD-0130	1.3	12	40	●
SSD-0131	1.31	16	40	●
SSD-0132	1.32	16	40	●
SSD-0133	1.33	16	40	●
SSD-0134	1.34	16	40	●
SSD-0135	1.35	12	40	●
SSD-0136	1.36	16	40	●
SSD-0137	1.37	16	40	●
SSD-0138	1.38	16	40	●
SSD-0139	1.39	16	40	●
SSD-0140	1.4	12	40	●
SSD-0141	1.41	16	40	●
SSD-0142	1.42	16	40	●
SSD-0143	1.43	16	40	●
SSD-0144	1.44	16	40	●
SSD-0145	1.45	15	40	●
SSD-0146	1.46	16	40	●
SSD-0147	1.47	16	40	●
SSD-0148	1.48	16	40	●
SSD-0149	1.49	16	40	●
SSD-0150	1.5	15	40	●
SSD-0151	1.51	16	40	●
SSD-0152	1.52	16	40	●
SSD-0153	1.53	16	40	●
SSD-0154	1.54	16	40	●
SSD-0155	1.55	15	40	●
SSD-0156	1.56	16	40	●
SSD-0157	1.57	16	40	●
SSD-0158	1.58	16	40	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD-0159	1.59	16	40	●
SSD-0160	1.6	15	40	●
SSD-0161	1.61	18	40	●
SSD-0162	1.62	18	40	●
SSD-0163	1.63	18	40	●
SSD-0164	1.64	18	40	●
SSD-0165	1.65	15	40	●
SSD-0166	1.66	18	40	●
SSD-0167	1.67	18	40	●
SSD-0168	1.68	18	40	●
SSD-0169	1.69	18	40	●
SSD-0170	1.7	15	40	●
SSD-0171	1.71	18	40	●
SSD-0172	1.72	18	40	●
SSD-0173	1.73	18	40	●
SSD-0174	1.74	18	40	●
SSD-0175	1.75	15	40	●
SSD-0176	1.76	18	40	●
SSD-0177	1.77	18	40	●
SSD-0178	1.78	18	40	●
SSD-0179	1.79	18	40	●
SSD-0180	1.8	15	40	●
SSD-0181	1.81	18	40	●
SSD-0182	1.82	18	40	●
SSD-0183	1.83	18	40	●
SSD-0184	1.84	18	40	●
SSD-0185	1.85	15	40	●
SSD-0186	1.86	18	40	●
SSD-0187	1.87	18	40	●
SSD-0188	1.88	18	40	●
SSD-0189	1.89	18	40	●
SSD-0190	1.9	15	40	●
SSD-0191	1.91	18	40	●
SSD-0192	1.92	18	40	●
SSD-0193	1.93	18	40	●
SSD-0194	1.94	18	40	●
SSD-0195	1.95	15	40	●
SSD-0196	1.96	18	40	●
SSD-0197	1.97	18	40	●
SSD-0198	1.98	18	40	●
SSD-0199	1.99	18	40	●
SSD-0200	2.0	18	45	●
SSD-0201	2.01	18	40	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 0202	2.02	18	40	●
SSD - 0203	2.03	18	40	●
SSD - 0204	2.04	18	40	●
SSD - 0205	2.05	18	45	●
SSD - 0206	2.06	18	40	●
SSD - 0207	2.07	18	40	●
SSD - 0208	2.08	18	40	●
SSD - 0209	2.09	18	40	●
SSD - 0210	2.1	18	45	●
SSD - 0211	2.11	18	40	●
SSD - 0212	2.12	18	40	●
SSD - 0213	2.13	18	40	●
SSD - 0214	2.14	18	40	●
SSD - 0215	2.15	18	45	●
SSD - 0216	2.16	20	40	●
SSD - 0217	2.17	20	40	●
SSD - 0218	2.18	20	40	●
SSD - 0219	2.19	20	40	●
SSD - 0220	2.2	18	45	●
SSD - 0221	2.21	20	40	●
SSD - 0222	2.22	20	40	●
SSD - 0223	2.23	20	40	●
SSD - 0224	2.24	20	40	●
SSD - 0225	2.25	18	45	●
SSD - 0226	2.26	20	40	●
SSD - 0227	2.27	20	40	●
SSD - 0228	2.28	20	40	●
SSD - 0229	2.29	20	40	●
SSD - 0230	2.3	18	45	●
SSD - 0231	2.31	20	40	●
SSD - 0232	2.32	20	40	●
SSD - 0233	2.33	20	40	●
SSD - 0234	2.34	20	40	●
SSD - 0235	2.35	22	50	●
SSD - 0236	2.36	20	40	●
SSD - 0237	2.37	20	40	●
SSD - 0238	2.38	20	40	●
SSD - 0239	2.39	20	40	●
SSD - 0240	2.4	22	50	●
SSD - 0241	2.41	20	40	●
SSD - 0242	2.42	20	40	●
SSD - 0243	2.43	20	40	●
SSD - 0244	2.44	20	40	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 0245	2.45	22	50	●
SSD - 0246	2.46	20	40	●
SSD - 0247	2.47	20	40	●
SSD - 0248	2.48	20	40	●
SSD - 0249	2.49	20	40	●
SSD - 0250	2.5	22	50	●
SSD - 0251	2.51	20	40	●
SSD - 0252	2.52	20	40	●
SSD - 0252	2.53	20	40	●
SSD - 0254	2.54	20	40	●
SSD - 0255	2.55	22	50	●
SSD - 0256	2.56	20	40	●
SSD - 0257	2.57	20	40	●
SSD - 0258	2.58	20	40	●
SSD - 0259	2.59	20	40	●
SSD - 0260	2.6	22	50	●
SSD - 0261	2.61	20	45	●
SSD - 0262	2.62	20	45	●
SSD - 0263	2.63	20	45	●
SSD - 0264	2.64	20	45	●
SSD - 0265	2.65	22	50	●
SSD - 0266	2.66	20	45	●
SSD - 0267	2.67	20	45	●
SSD - 0268	2.68	20	45	●
SSD - 0269	2.69	20	45	●
SSD - 0270	2.7	24	50	●
SSD - 0271	2.71	20	45	●
SSD - 0272	2.72	20	45	●
SSD - 0273	2.73	20	45	●
SSD - 0274	2.74	20	45	●
SSD - 0275	2.75	24	50	●
SSD - 0276	2.76	20	45	●
SSD - 0277	2.77	20	45	●
SSD - 0278	2.78	20	45	●
SSD - 0279	2.79	20	45	●
SSD - 0280	2.8	24	50	●
SSD - 0281	2.81	20	45	●
SSD - 0282	2.82	20	45	●
SSD - 0283	2.83	20	45	●
SSD - 0284	2.84	20	45	●
SSD - 0285	2.85	24	50	●
SSD - 0286	2.86	20	45	●
SSD - 0287	2.87	20	45	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 0288	2.88	20	45	●
SSD - 0289	2.89	20	45	●
SSD - 0290	2.9	24	50	●
SSD - 0291	2.91	20	45	●
SSD - 0292	2.92	20	45	●
SSD - 0293	2.93	20	45	●
SSD - 0294	2.94	20	45	●
SSD - 0295	2.95	24	50	●
SSD - 0296	2.96	20	45	●
SSD - 0297	2.97	20	45	●
SSD - 0298	2.98	20	45	●
SSD - 0299	2.99	20	45	●
SSD - 0300	3.0	25	50	●
SSD - 0301	3.01	25	50	●
SSD - 0302	3.02	25	54	●
SSD - 0303	3.03	25	54	●
SSD - 0304	3.04	27	54	●
SSD - 0305	3.05	25	54	●
SSD - 0306	3.06	27	54	●
SSD - 0307	3.07	27	54	●
SSD - 0308	3.08	27	54	●
SSD - 0309	3.09	27	54	●
SSD - 0310	3.1	25	50	●
SSD - 0311	3.11	27	54	●
SSD - 0312	3.12	27	54	●
SSD - 0313	3.13	27	54	●
SSD - 0314	3.14	27	54	●
SSD - 0315	3.15	25	54	●
SSD - 0316	3.16	27	54	●
SSD - 0317	3.17	27	54	●
SSD - 0318	3.18	27	54	●
SSD - 0319	3.19	27	54	●
SSD - 0320	3.2	25	50	●
SSD - 0321	3.21	27	54	●
SSD - 0322	3.22	27	54	●
SSD - 0323	3.23	27	54	●
SSD - 0324	3.24	27	54	●
SSD - 0325	3.25	25	50	●
SSD - 0326	3.26	27	54	●
SSD - 0327	3.27	27	54	●
SSD - 0328	3.28	27	54	●
SSD - 0329	3.29	27	54	●
SSD - 0330	3.3	25	50	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 0331	3.31	27	54	●
SSD - 0332	3.32	25	50	●
SSD - 0333	3.33	27	54	●
SSD - 0334	3.34	27	54	●
SSD - 0335	3.35	25	50	●
SSD - 0336	3.36	27	54	●
SSD - 0337	3.37	27	54	●
SSD - 0338	3.38	27	54	●
SSD - 0339	3.39	27	54	●
SSD - 0340	3.4	25	50	●
SSD - 0341	3.41	27	54	●
SSD - 0342	3.42	27	54	●
SSD - 0343	3.43	27	54	●
SSD - 0344	3.44	27	54	●
SSD - 0345	3.45	25	50	●
SSD - 0346	3.46	27	54	●
SSD - 0347	3.47	27	54	●
SSD - 0348	3.48	27	54	●
SSD - 0349	3.49	27	54	●
SSD - 0350	3.5	25	50	●
SSD - 0351	3.51	27	54	●
SSD - 0352	3.52	25	54	●
SSD - 0353	3.53	27	54	●
SSD - 0354	3.54	27	54	●
SSD - 0355	3.55	25	50	●
SSD - 0356	3.56	27	54	●
SSD - 0357	3.57	27	54	●
SSD - 0358	3.58	27	54	●
SSD - 0359	3.59	27	54	●
SSD - 0360	3.6	30	54	●
SSD - 0361	3.61	27	54	●
SSD - 0362	3.62	27	54	●
SSD - 0363	3.63	27	54	●
SSD - 0364	3.64	27	54	●
SSD - 0365	3.65	27	54	●
SSD - 0366	3.66	27	54	○
SSD - 0367	3.67	27	54	○
SSD - 0368	3.68	27	54	○
SSD - 0369	3.69	27	54	○
SSD - 0370	3.7	30	54	●
SSD - 0371	3.71	27	54	○
SSD - 0372	3.72	27	54	○
SSD - 0373	3.73	27	54	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 0374	3.74	27	54	○
SSD - 0375	3.75	27	54	●
SSD - 0376	3.76	27	54	○
SSD - 0377	3.77	27	54	○
SSD - 0378	3.78	27	54	○
SSD - 0379	3.79	27	54	○
SSD - 0380	3.8	30	54	●
SSD - 0381	3.81	27	54	○
SSD - 0382	3.82	27	54	○
SSD - 0383	3.83	27	54	○
SSD - 0384	3.84	27	54	○
SSD - 0385	3.85	27	54	●
SSD - 0386	3.86	27	54	○
SSD - 0387	3.87	27	54	○
SSD - 0388	3.88	27	54	○
SSD - 0389	3.89	27	54	○
SSD - 0390	3.9	30	54	●
SSD - 0391	3.91	27	54	○
SSD - 0392	3.92	27	54	○
SSD - 0393	3.93	27	54	○
SSD - 0394	3.94	27	54	○
SSD - 0395	3.95	27	54	●
SSD - 0396	3.96	27	54	●
SSD - 0397	3.97	27	54	●
SSD - 0398	3.98	27	54	●
SSD - 0399	3.99	27	54	●
SSD - 0400	4.0	28	52	●
SSD - 0401	4.01	27	54	●
SSD - 0402	4.02	27	54	●
SSD - 0403	4.03	27	54	●
SSD - 0404	4.04	27	54	●
SSD - 0405	4.05	27	54	●
SSD - 0406	4.06	27	54	●
SSD - 0407	4.07	27	54	●
SSD - 0410	4.1	32	64	●
SSD - 0415	4.15	30	60	●
SSD - 0420	4.2	32	64	●
SSD - 0425	4.25	30	60	●
SSD - 0430	4.3	32	64	●
SSD - 0435	4.35	30	60	●
SSD - 0440	4.4	32	64	●
SSD - 0445	4.45	30	60	●
SSD - 0450	4.5	32	64	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 0455	4.55	30	60	●
SSD - 0460	4.6	37	64	●
SSD - 0465	4.65	30	60	●
SSD - 0470	4.7	37	65	●
SSD - 0475	4.75	30	60	●
SSD - 0480	4.8	37	65	●
SSD - 0485	4.85	30	64	●
SSD - 0490	4.9	37	65	●
SSD - 0495	4.95	30	64	●
SSD - 0496	4.96	30	65	●
SSD - 0497	4.97	30	65	●
SSD - 0498	4.98	30	65	●
SSD - 0499	4.99	30	65	●
SSD - 0500	5.0	37	65	●
SSD - 0501	5.01	30	60	●
SSD - 0502	5.02	30	60	●
SSD - 0503	5.03	35	65	●
SSD - 0504	5.04	35	65	●
SSD - 0505	5.05	30	65	●
SSD - 0506	5.06	40	75	●
SSD - 0508	5.08	35	65	●
SSD - 0510	5.1	38	65	●
SSD - 0515	5.15	30	65	●
SSD - 0518	5.18	30	65	●
SSD - 0520	5.2	38	65	●
SSD - 0525	5.25	30	65	●
SSD - 0530	5.3	38	65	●
SSD - 0535	5.35	30	65	●
SSD - 0540	5.4	38	65	●
SSD - 0542	5.42	25	50	●
SSD - 0545	5.45	30	65	●
SSD - 0550	5.5	38	65	●
SSD - 0555	5.55	30	65	●
SSD - 0560	5.6	40	75	●
SSD - 0565	5.65	40	65	●
SSD - 0570	5.7	40	75	●
SSD - 0575	5.75	40	65	●
SSD - 0580	5.8	40	75	●
SSD - 0585	5.85	40	65	●
SSD - 0590	5.9	40	75	●
SSD - 0595	5.95	40	65	●
SSD - 0596	5.96	40	65	●
SSD - 0597	5.97	40	65	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 0598	5.98	40	65	●
SSD - 0599	5.99	40	65	●
SSD - 0600	6.0	40	80	●
SSD - 0601	6.01	40	65	●
SSD - 0602	6.02	40	65	●
SSD - 0603	6.03	40	65	●
SSD - 0604	6.04	40	65	●
SSD - 0605	6.05	40	65	●
SSD - 0610	6.1	40	80	●
SSD - 0615	6.15	40	65	●
SSD - 0620	6.2	40	80	●
SSD - 0625	6.25	40	65	●
SSD - 0630	6.3	40	80	●
SSD - 0635	6.35	40	65	●
SSD - 0640	6.4	40	80	●
SSD - 0645	6.45	40	65	●
SSD - 0650	6.5	40	82	●
SSD - 0655	6.55	40	65	●
SSD - 0660	6.6	47	82	●
SSD - 0665	6.65	40	65	●
SSD - 0670	6.7	47	82	●
SSD - 0675	6.75	40	65	●
SSD - 0680	6.8	47	82	●
SSD - 0685	6.85	40	65	●
SSD - 0690	6.9	47	82	●
SSD - 0695	6.95	40	65	●
SSD - 0697	6.97	45	80	●
SSD - 0698	6.98	45	80	●
SSD - 0699	6.99	45	80	●
SSD - 0700	7.0	47	82	●
SSD - 0701	7.01	45	80	●
SSD - 0702	7.02	45	80	●
SSD - 0703	7.03	45	80	●
SSD - 0704	7.04	45	80	●
SSD - 0705	7.05	45	80	●
SSD - 0710	7.1	47	82	●
SSD - 0720	7.2	47	82	●
SSD - 0730	7.3	47	82	●
SSD - 0740	7.4	47	82	●
SSD - 0750	7.5	47	82	●
SSD - 0760	7.6	47	82	●
SSD - 0770	7.7	47	82	●
SSD - 0780	7.8	47	82	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 0790	7.9	47	82	●
SSD - 0800	8.0	50	82	●
SSD - 0801	8.01	45	80	●
SSD - 0802	8.02	45	80	●
SSD - 0803	8.03	45	80	●
SSD - 0804	8.04	45	80	●
SSD - 0805	8.05	45	80	●
SSD - 0810	8.1	47	82	●
SSD - 0820	8.2	47	82	●
SSD - 0830	8.3	47	82	●
SSD - 0840	8.4	47	82	●
SSD - 0850	8.5	47	82	●
SSD - 0860	8.6	47	82	●
SSD - 0870	8.7	47	82	●
SSD - 0880	8.8	47	82	●
SSD - 0890	8.9	47	82	●
SSD - 0900	9.0	47	82	●
SSD - 0910	9.1	47	82	●
SSD - 0920	9.2	47	82	●
SSD - 0930	9.3	47	82	●
SSD - 0940	9.4	47	82	●
SSD - 0950	9.5	47	82	●
SSD - 0960	9.6	47	82	●
SSD - 0970	9.7	47	82	●
SSD - 0980	9.8	47	82	●
SSD - 0990	9.9	47	82	●
SSD - 1000	10.0	57	110	●
SSD - 1001	10.01	60	110	●
SSD - 1002	10.02	60	110	●
SSD - 1003	10.03	60	110	●
SSD - 1004	10.04	60	110	●
SSD - 1005	10.05	60	110	●
SSD - 1010	10.1	57	110	●
SSD - 1020	10.2	57	110	●
SSD - 1030	10.3	57	110	●
SSD - 1040	10.4	57	110	●
SSD - 1050	10.5	57	110	●
SSD - 1060	10.6	62	110	●
SSD - 1070	10.7	62	110	●
SSD - 1080	10.8	62	110	●
SSD - 1090	10.9	62	110	●
SSD - 1100	11.0	62	110	●
SSD - 1110	11.1	65	110	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 1120	11.2	65	110	●
SSD - 1130	11.3	65	110	●
SSD - 1140	11.4	65	110	●
SSD - 1150	11.5	65	110	●
SSD - 1160	11.6	65	110	●
SSD - 1170	11.7	65	110	●
SSD - 1180	11.8	65	110	●
SSD - 1190	11.9	65	110	●
SSD - 1200	12.0	65	110	●
SSD - 1201	12.01	65	110	○
SSD - 1202	12.02	65	110	○
SSD - 1203	12.03	65	110	○

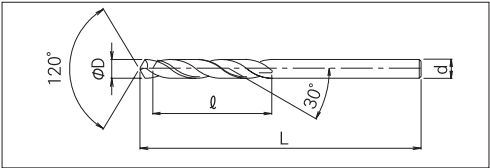
제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSD - 1204	12.04	65	110	○
SSD - 1205	12.05	65	110	○
SSD - 1210	12.1	65	110	●
SSD - 1220	12.2	65	110	●
SSD - 1230	12.3	65	110	●
SSD - 1240	12.4	65	110	●
SSD - 1250	12.5	65	110	●
SSD - 1260	12.6	65	110	●
SSD - 1270	12.7	65	110	●
SSD - 1280	12.8	65	110	●
SSD - 1290	12.9	65	110	●
SSD - 1300	13.0	65	110	●

● = 표준 재고품 / Standard stock item
○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

초경 코팅 드릴

Solid Coating Drill Standard, Straight Shank

SSD-T



- TiAlN 코팅 적용으로 내마모성 및 공구 수명 향상
Enhanced wear resistance and longer tool life with TiAlN Coating.
- 고속 절삭은 물론 저속 절삭에서도 우수한 절삭 성능을 제공
An excellent cutting performance is obtained at comparatively low speed.

날경공차 : +0~-0.005
ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0050	0.50	6	40	○
SSDT - 0055	0.55	6	40	○
SSDT - 0060	0.60	6	40	○
SSDT - 0065	0.65	6	40	○
SSDT - 0070	0.70	12	40	○
SSDT - 0071	0.71	12	41	○
SSDT - 0072	0.72	12	42	○
SSDT - 0073	0.73	12	43	○
SSDT - 0074	0.74	12	44	○
SSDT - 0075	0.75	12	40	○
SSDT - 0076	0.76	12	40	○
SSDT - 0077	0.77	12	40	○
SSDT - 0078	0.78	12	40	○
SSDT - 0079	0.79	12	40	○
SSDT - 0080	0.80	12	40	○
SSDT - 0081	0.81	12	40	○
SSDT - 0082	0.82	12	40	○
SSDT - 0083	0.83	12	40	○
SSDT - 0084	0.84	12	40	○
SSDT - 0085	0.85	12	40	○
SSDT - 0086	0.86	12	40	○
SSDT - 0087	0.87	12	40	○
SSDT - 0088	0.88	12	40	○
SSDT - 0089	0.89	12	40	○
SSDT - 0090	0.90	12	40	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0091	0.91	12	40	○
SSDT - 0092	0.92	12	40	○
SSDT - 0093	0.93	12	40	○
SSDT - 0094	0.94	12	40	○
SSDT - 0095	0.95	12	40	○
SSDT - 0096	0.96	12	40	○
SSDT - 0097	0.97	12	40	○
SSDT - 0098	0.98	12	40	○
SSDT - 0099	0.99	12	40	○
SSDT - 0100	1.00	12	40	○
SSDT - 0101	1.01	15	40	○
SSDT - 0102	1.02	15	40	○
SSDT - 0103	1.03	15	40	○
SSDT - 0104	1.04	15	40	○
SSDT - 0105	1.05	12	40	○
SSDT - 0106	1.06	15	40	○
SSDT - 0107	1.07	15	40	○
SSDT - 0108	1.08	15	40	○
SSDT - 0109	1.09	15	40	○
SSDT - 0110	1.10	12	40	○
SSDT - 0111	1.11	15	40	○
SSDT - 0112	1.12	15	40	○
SSDT - 0113	1.13	15	40	○
SSDT - 0114	1.14	15	40	○
SSDT - 0115	1.15	12	40	○

● = 표준 재고품 / Standard stock item
○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT-0116	1.16	15	40	○
SSDT-0117	1.17	15	40	○
SSDT-0118	1.18	15	40	○
SSDT-0119	1.19	15	40	○
SSDT-0120	1.20	12	40	○
SSDT-0121	1.21	15	40	○
SSDT-0122	1.22	15	40	○
SSDT-0123	1.23	15	40	○
SSDT-0124	1.24	15	40	○
SSDT-0125	1.25	12	40	○
SSDT-0126	1.26	15	40	○
SSDT-0127	1.27	15	40	○
SSDT-0128	1.28	15	40	○
SSDT-0129	1.29	15	40	○
SSDT-0130	1.30	12	40	○
SSDT-0131	1.31	16	40	○
SSDT-0132	1.32	16	40	○
SSDT-0133	1.33	16	40	○
SSDT-0134	1.34	16	40	○
SSDT-0135	1.35	12	40	○
SSDT-0136	1.36	16	40	○
SSDT-0137	1.37	16	40	○
SSDT-0138	1.38	16	40	○
SSDT-0139	1.39	16	40	○
SSDT-0140	1.40	12	40	○
SSDT-0141	1.41	16	40	○
SSDT-0142	1.42	16	40	○
SSDT-0143	1.43	16	40	○
SSDT-0144	1.44	16	40	○
SSDT-0145	1.45	15	40	○
SSDT-0146	1.46	16	40	○
SSDT-0147	1.47	16	40	○
SSDT-0148	1.48	16	40	○
SSDT-0149	1.49	16	40	○
SSDT-0150	1.50	15	40	○
SSDT-0151	1.51	16	40	○
SSDT-0152	1.52	16	40	○
SSDT-0153	1.53	16	40	○
SSDT-0154	1.54	16	40	○
SSDT-0155	1.55	15	40	○
SSDT-0156	1.56	16	40	○
SSDT-0157	1.57	16	40	○
SSDT-0158	1.58	16	40	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT-0159	1.59	16	40	○
SSDT-0160	1.60	15	40	○
SSDT-0161	1.61	18	40	○
SSDT-0162	1.62	18	40	○
SSDT-0163	1.63	18	40	○
SSDT-0164	1.64	18	40	○
SSDT-0165	1.65	15	40	○
SSDT-0166	1.66	18	40	○
SSDT-0167	1.67	18	40	○
SSDT-0168	1.68	18	40	○
SSDT-0169	1.69	18	40	○
SSDT-0170	1.70	15	40	○
SSDT-0171	1.71	18	40	○
SSDT-0172	1.72	18	40	○
SSDT-0173	1.73	18	40	○
SSDT-0174	1.74	18	40	○
SSDT-0175	1.75	15	40	○
SSDT-0176	1.76	18	40	○
SSDT-0177	1.77	18	40	○
SSDT-0178	1.78	18	40	○
SSDT-0179	1.79	18	40	○
SSDT-0180	1.80	15	40	○
SSDT-0181	1.81	18	40	○
SSDT-0182	1.82	18	40	○
SSDT-0183	1.83	18	40	○
SSDT-0184	1.84	18	40	○
SSDT-0185	1.85	15	40	○
SSDT-0186	1.86	18	40	○
SSDT-0187	1.87	18	40	○
SSDT-0188	1.88	18	40	○
SSDT-0189	1.89	18	40	○
SSDT-0190	1.90	15	40	○
SSDT-0191	1.91	18	40	○
SSDT-0192	1.92	18	40	○
SSDT-0193	1.93	18	40	○
SSDT-0194	1.94	18	40	○
SSDT-0195	1.95	15	40	○
SSDT-0196	1.96	18	40	○
SSDT-0197	1.97	18	40	○
SSDT-0198	1.98	18	40	○
SSDT-0199	1.99	18	40	○
SSDT-0200	2.00	18	45	○
SSDT-0201	2.01	18	40	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0202	2.02	18	40	○
SSDT - 0203	2.03	18	40	○
SSDT - 0204	2.04	18	40	○
SSDT - 0205	2.05	18	45	○
SSDT - 0206	2.06	18	40	○
SSDT - 0207	2.07	18	40	○
SSDT - 0208	2.08	18	40	○
SSDT - 0209	2.09	18	40	○
SSDT - 0210	2.10	18	45	○
SSDT - 0211	2.11	18	40	○
SSDT - 0212	2.12	18	40	○
SSDT - 0213	2.13	18	40	○
SSDT - 0214	2.14	18	40	○
SSDT - 0215	2.15	18	45	○
SSDT - 0216	2.16	20	40	○
SSDT - 0217	2.17	20	40	○
SSDT - 0218	2.18	20	40	○
SSDT - 0219	2.19	20	40	○
SSDT - 0220	2.20	18	45	○
SSDT - 0221	2.21	20	40	○
SSDT - 0222	2.22	20	40	○
SSDT - 0223	2.23	20	40	○
SSDT - 0224	2.24	20	40	○
SSDT - 0225	2.25	18	45	○
SSDT - 0226	2.26	20	40	○
SSDT - 0227	2.27	20	40	○
SSDT - 0228	2.28	20	40	○
SSDT - 0229	2.29	20	40	○
SSDT - 0230	2.30	18	45	○
SSDT - 0231	2.31	20	40	○
SSDT - 0232	2.32	20	40	○
SSDT - 0233	2.33	20	40	○
SSDT - 0234	2.34	20	40	○
SSDT - 0235	2.35	22	50	○
SSDT - 0236	2.36	20	40	○
SSDT - 0237	2.37	20	40	○
SSDT - 0238	2.38	20	40	○
SSDT - 0239	2.39	20	40	○
SSDT - 0240	2.40	22	50	○
SSDT - 0241	2.41	20	40	○
SSDT - 0242	2.42	20	40	○
SSDT - 0243	2.43	20	40	○
SSDT - 0244	2.44	20	40	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0245	2.45	22	50	○
SSDT - 0246	2.46	20	40	○
SSDT - 0247	2.47	20	40	○
SSDT - 0248	2.48	20	40	○
SSDT - 0249	2.49	20	40	○
SSDT - 0250	2.50	22	50	○
SSDT - 0251	2.51	20	40	○
SSDT - 0252	2.52	20	40	○
SSDT - 0253	2.53	20	40	○
SSDT - 0254	2.54	20	40	○
SSDT - 0255	2.55	22	50	○
SSDT - 0256	2.56	20	40	○
SSDT - 0257	2.57	20	40	○
SSDT - 0258	2.58	20	40	○
SSDT - 0259	2.59	20	40	○
SSDT - 0260	2.60	22	50	○
SSDT - 0261	2.61	20	45	○
SSDT - 0262	2.62	20	45	○
SSDT - 0263	2.63	20	45	○
SSDT - 0264	2.64	20	45	○
SSDT - 0265	2.65	22	50	○
SSDT - 0266	2.66	20	45	○
SSDT - 0267	2.67	20	45	○
SSDT - 0268	2.68	20	45	○
SSDT - 0269	2.69	20	45	○
SSDT - 0270	2.70	24	50	○
SSDT - 0271	2.71	20	45	○
SSDT - 0272	2.72	20	45	○
SSDT - 0273	2.73	20	45	○
SSDT - 0274	2.74	20	45	○
SSDT - 0275	2.75	24	50	○
SSDT - 0276	2.76	20	45	○
SSDT - 0277	2.77	20	45	○
SSDT - 0278	2.78	20	45	○
SSDT - 0279	2.79	20	45	○
SSDT - 0280	2.80	24	50	○
SSDT - 0281	2.81	20	45	○
SSDT - 0282	2.82	20	45	○
SSDT - 0283	2.83	20	45	○
SSDT - 0284	2.84	20	45	○
SSDT - 0285	2.85	24	50	○
SSDT - 0286	2.86	20	45	○
SSDT - 0287	2.87	20	45	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0288	2.88	20	45	○
SSDT - 0289	2.89	20	45	○
SSDT - 0290	2.90	24	50	○
SSDT - 0291	2.91	20	45	○
SSDT - 0292	2.92	20	45	○
SSDT - 0293	2.93	20	45	○
SSDT - 0294	2.94	20	45	○
SSDT - 0295	2.95	24	50	○
SSDT - 0296	2.96	20	45	○
SSDT - 0297	2.97	20	45	○
SSDT - 0298	2.98	20	45	○
SSDT - 0299	2.99	20	45	○
SSDT - 0300	3.00	25	50	○
SSDT - 0301	3.01	25	50	○
SSDT - 0302	3.02	25	54	○
SSDT - 0303	3.03	25	54	○
SSDT - 0304	3.04	27	54	○
SSDT - 0305	3.05	25	54	○
SSDT - 0306	3.06	27	54	○
SSDT - 0307	3.07	27	54	○
SSDT - 0308	3.08	27	54	○
SSDT - 0309	3.09	27	54	○
SSDT - 0310	3.10	25	50	○
SSDT - 0311	3.11	27	54	○
SSDT - 0312	3.12	27	54	○
SSDT - 0313	3.13	27	54	○
SSDT - 0314	3.14	27	54	○
SSDT - 0315	3.15	25	54	○
SSDT - 0316	3.16	27	54	○
SSDT - 0317	3.17	27	54	○
SSDT - 0318	3.18	27	54	○
SSDT - 0319	3.19	27	54	○
SSDT - 0320	3.20	25	50	○
SSDT - 0321	3.21	27	54	○
SSDT - 0322	3.22	27	54	○
SSDT - 0323	3.23	27	54	○
SSDT - 0324	3.24	27	54	○
SSDT - 0325	3.25	25	50	○
SSDT - 0326	3.26	27	54	○
SSDT - 0327	3.27	27	54	○
SSDT - 0328	3.28	27	54	○
SSDT - 0329	3.29	27	54	○
SSDT - 0330	3.30	25	50	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0331	3.31	27	54	○
SSDT - 0332	3.32	25	50	○
SSDT - 0333	3.33	27	54	○
SSDT - 0334	3.34	27	54	○
SSDT - 0335	3.35	25	50	○
SSDT - 0336	3.36	27	54	○
SSDT - 0337	3.37	27	54	○
SSDT - 0338	3.38	27	54	○
SSDT - 0339	3.39	27	54	○
SSDT - 0340	3.40	25	50	○
SSDT - 0341	3.41	27	54	○
SSDT - 0342	3.42	27	54	○
SSDT - 0343	3.43	27	54	○
SSDT - 0344	3.44	27	54	○
SSDT - 0345	3.45	25	50	○
SSDT - 0346	3.46	27	54	○
SSDT - 0347	3.47	27	54	○
SSDT - 0348	3.48	27	54	○
SSDT - 0349	3.49	27	54	○
SSDT - 0350	3.50	25	50	○
SSDT - 0351	3.51	27	54	○
SSDT - 0352	3.52	25	54	○
SSDT - 0353	3.53	27	54	○
SSDT - 0354	3.54	27	54	○
SSDT - 0355	3.55	25	50	○
SSDT - 0356	3.56	27	54	○
SSDT - 0357	3.57	27	54	○
SSDT - 0358	3.58	27	54	○
SSDT - 0359	3.59	27	54	○
SSDT - 0360	3.60	30	54	○
SSDT - 0361	3.61	27	54	○
SSDT - 0362	3.62	27	54	○
SSDT - 0363	3.63	27	54	○
SSDT - 0364	3.64	27	54	○
SSDT - 0365	3.65	27	54	○
SSDT - 0366	3.66	27	54	○
SSDT - 0367	3.67	27	54	○
SSDT - 0368	3.68	27	54	○
SSDT - 0369	3.69	27	54	○
SSDT - 0370	3.70	30	54	○
SSDT - 0371	3.71	27	54	○
SSDT - 0372	3.72	27	54	○
SSDT - 0373	3.73	27	54	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0374	3.74	27	54	○
SSDT - 0375	3.75	27	54	○
SSDT - 0376	3.76	27	54	○
SSDT - 0377	3.77	27	54	○
SSDT - 0378	3.78	27	54	○
SSDT - 0379	3.79	27	54	○
SSDT - 0380	3.80	30	54	○
SSDT - 0381	3.81	27	54	○
SSDT - 0382	3.82	27	54	○
SSDT - 0383	3.83	27	54	○
SSDT - 0384	3.84	27	54	○
SSDT - 0385	3.85	27	54	○
SSDT - 0386	3.86	27	54	○
SSDT - 0387	3.87	27	54	○
SSDT - 0388	3.88	27	54	○
SSDT - 0389	3.89	27	54	○
SSDT - 0390	3.90	30	54	○
SSDT - 0391	3.91	27	54	○
SSDT - 0392	3.92	27	54	○
SSDT - 0393	3.93	27	54	○
SSDT - 0394	3.94	27	54	○
SSDT - 0395	3.95	27	54	○
SSDT - 0396	3.96	27	54	○
SSDT - 0397	3.97	27	54	○
SSDT - 0398	3.98	27	54	○
SSDT - 0399	3.99	27	54	○
SSDT - 0400	4.00	28	52	○
SSDT - 0401	4.01	27	54	○
SSDT - 0402	4.02	27	54	○
SSDT - 0403	4.03	27	54	○
SSDT - 0404	4.04	27	54	○
SSDT - 0405	4.05	27	54	○
SSDT - 0406	4.06	27	54	○
SSDT - 0407	4.07	27	54	○
SSDT - 0410	4.10	32	60	○
SSDT - 0415	4.15	30	60	○
SSDT - 0420	4.20	32	60	○
SSDT - 0425	4.25	30	60	○
SSDT - 0430	4.30	32	60	○
SSDT - 0435	4.35	30	60	○
SSDT - 0440	4.40	32	60	○
SSDT - 0445	4.45	30	60	○
SSDT - 0450	4.50	32	60	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0455	4.55	30	60	○
SSDT - 0460	4.60	37	65	○
SSDT - 0465	4.65	30	60	○
SSDT - 0470	4.70	37	65	○
SSDT - 0475	4.75	30	60	○
SSDT - 0480	4.80	37	65	○
SSDT - 0485	4.85	30	64	○
SSDT - 0490	4.90	37	65	○
SSDT - 0495	4.95	30	64	○
SSDT - 0496	4.96	30	65	○
SSDT - 0497	4.97	30	65	○
SSDT - 0498	4.98	30	65	○
SSDT - 0499	4.99	30	65	○
SSDT - 0500	5.00	37	65	○
SSDT - 0501	5.01	30	60	○
SSDT - 0502	5.02	30	60	○
SSDT - 0503	5.03	35	65	○
SSDT - 0504	5.04	35	65	○
SSDT - 0505	5.05	30	65	○
SSDT - 0506	5.06	40	75	○
SSDT - 0508	5.08	35	65	○
SSDT - 0510	5.10	38	65	○
SSDT - 0515	5.15	30	65	○
SSDT - 0518	5.18	30	65	○
SSDT - 0520	5.20	38	65	○
SSDT - 0525	5.25	30	65	○
SSDT - 0530	5.30	38	65	○
SSDT - 0535	5.35	30	65	○
SSDT - 0540	5.40	38	65	○
SSDT - 0542	5.42	25	50	○
SSDT - 0545	5.45	30	65	○
SSDT - 0550	5.50	38	65	○
SSDT - 0555	5.55	30	65	○
SSDT - 0560	5.60	40	75	○
SSDT - 0565	5.65	40	65	○
SSDT - 0570	5.70	40	75	○
SSDT - 0575	5.75	40	65	○
SSDT - 0580	5.80	40	75	○
SSDT - 0585	5.85	40	65	○
SSDT - 0590	5.90	40	75	○
SSDT - 0595	5.95	40	65	○
SSDT - 0596	5.96	40	65	○
SSDT - 0597	5.97	40	65	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0598	5.98	40	65	○
SSDT - 0599	5.99	40	65	○
SSDT - 0600	6.00	40	80	○
SSDT - 0601	6.01	40	65	○
SSDT - 0602	6.02	40	65	○
SSDT - 0603	6.03	40	65	○
SSDT - 0604	6.04	40	65	○
SSDT - 0605	6.05	40	65	○
SSDT - 0610	6.10	40	80	○
SSDT - 0615	6.15	40	65	○
SSDT - 0620	6.20	40	80	○
SSDT - 0625	6.25	40	65	○
SSDT - 0630	6.30	40	80	○
SSDT - 0635	6.35	40	65	○
SSDT - 0640	6.40	40	80	○
SSDT - 0645	6.45	40	65	○
SSDT - 0650	6.50	40	82	○
SSDT - 0655	6.55	40	65	○
SSDT - 0660	6.60	47	82	○
SSDT - 0665	6.65	40	65	○
SSDT - 0670	6.70	47	82	○
SSDT - 0675	6.75	40	65	○
SSDT - 0680	6.80	47	82	○
SSDT - 0685	6.85	40	65	○
SSDT - 0690	6.90	47	82	○
SSDT - 0695	6.95	40	65	○
SSDT - 0697	6.97	45	80	○
SSDT - 0698	6.98	45	80	○
SSDT - 0699	6.99	45	80	○
SSDT - 0700	7.00	47	82	○
SSDT - 0701	7.01	45	80	○
SSDT - 0702	7.02	45	80	○
SSDT - 0703	7.03	45	80	○
SSDT - 0704	7.04	45	80	○
SSDT - 0705	7.05	45	80	○
SSDT - 0710	7.10	47	82	○
SSDT - 0720	7.20	47	82	○
SSDT - 0730	7.30	47	82	○
SSDT - 0740	7.40	47	82	○
SSDT - 0750	7.50	47	82	○
SSDT - 0760	7.60	47	82	○
SSDT - 0770	7.70	47	82	○
SSDT - 0780	7.80	47	82	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 0790	7.90	47	82	○
SSDT - 0800	8.00	50	82	○
SSDT - 0801	8.01	45	80	○
SSDT - 0802	8.02	45	80	○
SSDT - 0803	8.03	45	80	○
SSDT - 0804	8.04	45	80	○
SSDT - 0805	8.05	45	80	○
SSDT - 0810	8.10	50	82	○
SSDT - 0820	8.20	50	82	○
SSDT - 0830	8.30	50	82	○
SSDT - 0840	8.40	50	82	○
SSDT - 0850	8.50	50	90	○
SSDT - 0860	8.60	52	95	○
SSDT - 0870	8.70	52	95	○
SSDT - 0880	8.80	52	95	○
SSDT - 0890	8.90	52	95	○
SSDT - 0900	9.00	52	95	○
SSDT - 0910	9.10	52	95	○
SSDT - 0920	9.20	52	95	○
SSDT - 0930	9.30	52	95	○
SSDT - 0940	9.40	52	95	○
SSDT - 0950	9.50	52	95	○
SSDT - 0960	9.60	52	95	○
SSDT - 0970	9.70	52	95	○
SSDT - 0980	9.80	52	95	○
SSDT - 0990	9.90	52	95	○
SSDT - 1000	10.0	57	110	○
SSDT - 1001	10.01	60	110	○
SSDT - 1002	10.02	60	110	○
SSDT - 1003	10.03	60	110	○
SSDT - 1004	10.04	60	110	○
SSDT - 1005	10.05	60	110	○
SSDT - 1010	10.1	57	110	○
SSDT - 1020	10.2	57	110	○
SSDT - 1030	10.3	57	110	○
SSDT - 1040	10.4	57	110	○
SSDT - 1050	10.5	57	110	○
SSDT - 1060	10.6	62	110	○
SSDT - 1070	10.7	62	110	○
SSDT - 1080	10.8	62	110	○
SSDT - 1090	10.9	62	110	○
SSDT - 1100	11.0	62	110	○
SSDT - 1110	11.1	65	110	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 1120	11.2	65	110	○
SSDT - 1130	11.3	65	110	○
SSDT - 1140	11.4	65	110	○
SSDT - 1150	11.5	65	110	○
SSDT - 1160	11.6	65	110	○
SSDT - 1170	11.7	65	110	○
SSDT - 1180	11.8	65	110	○
SSDT - 1190	11.9	65	110	○
SSDT - 1200	12.0	65	110	○
SSDT - 1201	12.01	65	110	○
SSDT - 1202	12.02	65	110	○
SSDT - 1203	12.03	65	110	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDT - 1204	12.04	65	110	○
SSDT - 1205	12.05	65	110	○
SSDT - 1210	12.1	65	110	○
SSDT - 1220	12.2	65	110	○
SSDT - 1230	12.3	65	110	○
SSDT - 1240	12.4	65	110	○
SSDT - 1250	12.5	65	110	○
SSDT - 1260	12.6	65	110	○
SSDT - 1270	12.7	65	110	○
SSDT - 1280	12.8	65	110	○
SSDT - 1290	12.9	65	110	○
SSDT - 1300	13.0	65	110	○

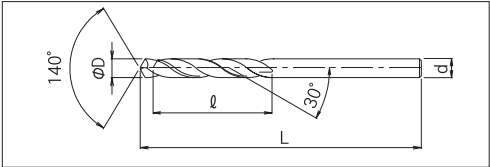
SSDT
Solid Coating Drill Standard, Straight Shank

● = 표준 재고품 / Standard stock item
○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

초경 숏드릴

Solid Drill Short, Straight Shank

SSD-S



- 짧은 날장과 전장으로 높은 강성과 안정적인 가공 성능 구현
Short flute and overall length provide high rigidity and stable machining performance.
- 소형 부품 정밀 가공에 최적화된 컴팩트 초경드릴
Compact carbide drill optimized for precision machining of small components.

날경공차 : +0~-0.005
ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SSDS - 0300	3.0	12	45	○
SSDS - 0310	3.1	12	45	○
SSDS - 0320	3.2	12	45	○
SSDS - 0330	3.3	12	45	○
SSDS - 0340	3.4	12	45	○
SSDS - 0350	3.5	12	45	○
SSDS - 0360	3.6	12	45	○
SSDS - 0370	3.7	12	45	○
SSDS - 0380	3.8	12	45	○
SSDS - 0390	3.9	12	45	○
SSDS - 0400	4.0	12	45	○
SSDS - 0410	4.1	15	45	○
SSDS - 0420	4.2	15	45	○
SSDS - 0430	4.3	15	45	○
SSDS - 0440	4.4	15	45	○
SSDS - 0450	4.5	15	45	○
SSDS - 0460	4.6	15	45	○
SSDS - 0470	4.7	15	45	○
SSDS - 0480	4.8	15	45	○
SSDS - 0490	4.9	15	45	○
SSDS - 0500	5.0	15	45	○
SSDS - 0510	5.1	20	54	○
SSDS - 0520	5.2	20	54	○
SSDS - 0530	5.3	20	54	○
SSDS - 0540	5.4	20	54	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SSDS - 0550	5.5	20	54	○
SSDS - 0560	5.6	20	54	○
SSDS - 0570	5.7	20	54	○
SSDS - 0580	5.8	20	54	○
SSDS - 0590	5.9	20	54	○
SSDS - 0600	6.0	20	54	○
SSDS - 0610	6.1	20	54	○
SSDS - 0620	6.2	20	54	○
SSDS - 0630	6.3	20	54	○
SSDS - 0640	6.4	20	54	○
SSDS - 0650	6.5	20	54	○
SSDS - 0660	6.6	20	54	○
SSDS - 0670	6.7	20	54	○
SSDS - 0680	6.8	20	54	○
SSDS - 0690	6.9	20	54	○
SSDS - 0700	7.0	20	54	○
SSDS - 0710	7.1	20	54	○
SSDS - 0720	7.2	20	54	○
SSDS - 0730	7.3	20	54	○
SSDS - 0740	7.4	20	54	○
SSDS - 0750	7.5	20	54	○
SSDS - 0760	7.6	20	54	○
SSDS - 0770	7.7	20	54	○
SSDS - 0780	7.8	20	54	○
SSDS - 0790	7.9	20	54	○

● = 표준 재고품 / Standard stock item
○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

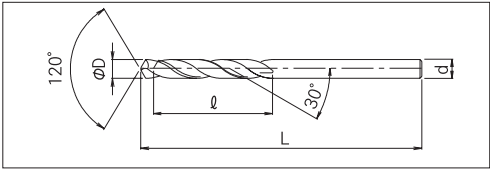
제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDS - 0800	8.0	20	54	○
SSDS - 0810	8.1	20	54	○
SSDS - 0820	8.2	20	54	○
SSDS - 0830	8.3	20	54	○
SSDS - 0840	8.4	20	54	○
SSDS - 0850	8.5	20	54	○
SSDS - 0860	8.6	25	65	○
SSDS - 0870	8.7	25	65	○
SSDS - 0880	8.8	25	65	○
SSDS - 0890	8.9	25	65	○
SSDS - 0900	9.0	25	65	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SSDS - 0910	9.1	25	65	○
SSDS - 0920	9.2	25	65	○
SSDS - 0930	9.3	25	65	○
SSDS - 0940	9.4	25	65	○
SSDS - 0950	9.5	25	65	○
SSDS - 0960	9.6	25	65	○
SSDS - 0970	9.7	25	65	○
SSDS - 0980	9.8	25	65	○
SSDS - 0990	9.9	25	65	○
SSDS - 1000	10.0	25	65	○

스탠다드 롱드릴

Standard Long Drill, Straight Shank

SDL



- 깊은 홀 가공에 적합한 고성능 초경 롱드릴
High-performance solid carbide long drill for deep-hole machining
- 강재, 비철금속 및 수지까지 다양한 소재 가공에 적용 가능
Suitable for machining a wide range of materials, including steels, non-ferrous materials, and plastics



날경공차 : +0~-0.005
ØD Tolerance

단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SDL - 0300	3.0	45	75	●
SDL - 0310	3.1	45	75	●
SDL - 0320	3.2	45	75	●
SDL - 0330	3.3	45	75	●
SDL - 0340	3.4	45	75	●
SDL - 0350	3.5	45	75	●
SDL - 0360	3.6	50	80	●
SDL - 0370	3.7	50	80	●
SDL - 0380	3.8	50	80	●
SDL - 0390	3.9	50	80	●
SDL - 0400	4.0	55	85	●
SDL - 0410	4.1	55	85	●
SDL - 0420	4.2	55	85	●
SDL - 0430	4.3	55	85	●
SDL - 0440	4.4	55	85	●
SDL - 0450	4.5	55	85	●
SDL - 0460	4.6	60	90	●
SDL - 0470	4.7	60	90	●
SDL - 0480	4.8	60	90	●
SDL - 0490	4.9	60	90	●
SDL - 0500	5.0	60	90	●
SDL - 0510	5.1	60	90	●
SDL - 0520	5.2	60	90	●
SDL - 0530	5.3	65	95	●
SDL - 0540	5.4	65	95	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SDL - 0550	5.5	65	95	●
SDL - 0560	5.6	67	100	●
SDL - 0570	5.7	67	100	●
SDL - 0580	5.8	67	100	●
SDL - 0590	5.9	67	100	●
SDL - 0600	6.0	67	100	●
SDL - 0610	6.1	71	104	●
SDL - 0620	6.2	71	104	●
SDL - 0630	6.3	71	104	●
SDL - 0640	6.4	71	104	●
SDL - 0650	6.5	71	104	●
SDL - 0660	6.6	73	104	●
SDL - 0670	6.7	73	104	●
SDL - 0680	6.8	73	104	●
SDL - 0690	6.9	73	104	●
SDL - 0700	7.0	73	104	●
SDL - 0710	7.1	75	110	●
SDL - 0720	7.2	75	110	●
SDL - 0730	7.3	75	110	●
SDL - 0740	7.4	75	110	●
SDL - 0750	7.5	75	110	●
SDL - 0760	7.6	75	110	●
SDL - 0770	7.7	75	110	●
SDL - 0780	7.8	75	110	●
SDL - 0790	7.9	75	110	●

● = 표준 재고품 / Standard stock item
○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL - 0800	8.0	75	110	●
SDL - 0810	8.1	85	122	●
SDL - 0820	8.2	85	122	●
SDL - 0830	8.3	85	122	●
SDL - 0840	8.4	85	122	●
SDL - 0850	8.5	85	130	●
SDL - 0860	8.6	85	130	●
SDL - 0870	8.7	85	130	●
SDL - 0880	8.8	85	130	●
SDL - 0890	8.9	85	130	●
SDL - 0900	9.0	85	130	●
SDL - 0910	9.1	85	130	●
SDL - 0920	9.2	85	130	●
SDL - 0930	9.3	85	130	●

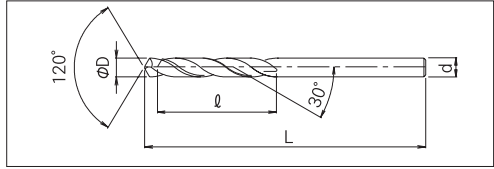
제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL - 0940	9.4	85	130	●
SDL - 0950	9.5	85	130	●
SDL - 0960	9.6	90	130	●
SDL - 0970	9.7	90	130	●
SDL - 0980	9.8	90	130	●
SDL - 0990	9.9	90	130	●
SDL - 1000	10.0	90	130	●
SDL - 1050	10.5	90	130	●
SDL - 1100	11.0	95	142	●
SDL - 1150	11.5	95	142	●
SDL - 1200	12.0	102	150	●
SDL - 1250	12.5	102	150	●
SDL - 1300	13.0	102	150	●

● = 표준 재고품 / Standard stock item
○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

세미 롱드릴

Semi Long Drill, Straight Shank

SDL45



- 깊은 홀 가공에 적합한 고성능 초경 롱드릴
High-performance solid carbide long drill for deep-hole machining
- 강재, 비철금속 및 수지까지 다양한 소재 가공에 적용 가능
Suitable for machining a wide range of materials, including steels, non-ferrous materials, and plastics



날경공차 : +0~-0.005

ØD Tolerance

단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL45-0050	0.50	8	40	○
SDL45-0055	0.55	8	40	○
SDL45-0060	0.60	8	40	○
SDL45-0065	0.65	8	40	○
SDL45-0070	0.70	15	54	●
SDL45-0075	0.75	15	54	●
SDL45-0080	0.80	15	54	●
SDL45-0085	0.85	15	54	●
SDL45-0090	0.90	16	54	●
SDL45-0095	0.95	16	54	●
SDL45-0100	1.00	18	54	●
SDL45-0101	1.01	18	54	●
SDL45-0102	1.02	18	54	●
SDL45-0103	1.03	18	54	●
SDL45-0104	1.04	18	54	○
SDL45-0105	1.05	18	54	●
SDL45-0110	1.10	18	54	●
SDL45-0115	1.15	18	54	●
SDL45-0120	1.20	20	54	●
SDL45-0125	1.25	20	54	●
SDL45-0130	1.30	20	54	●
SDL45-0135	1.35	20	54	●
SDL45-0140	1.40	20	54	●
SDL45-0145	1.45	20	54	●
SDL45-0150	1.50	24	54	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL45-0151	1.51	24	54	●
SDL45-0152	1.52	24	54	●
SDL45-0153	1.53	24	54	●
SDL45-0154	1.54	24	54	○
SDL45-0155	1.55	24	54	●
SDL45-0160	1.60	24	54	●
SDL45-0165	1.65	24	54	●
SDL45-0170	1.70	24	54	●
SDL45-0175	1.75	24	54	●
SDL45-0180	1.80	24	54	●
SDL45-0185	1.85	24	54	●
SDL45-0190	1.90	24	54	●
SDL45-0195	1.95	24	54	●
SDL45-0200	2.00	24	54	●
SDL45-0201	2.01	24	54	●
SDL45-0202	2.02	24	54	●
SDL45-0203	2.03	24	54	●
SDL45-0204	2.04	24	54	○
SDL45-0205	2.05	24	54	●
SDL45-0210	2.10	24	54	●
SDL45-0215	2.15	24	54	●
SDL45-0220	2.20	26	58	●
SDL45-0225	2.25	26	54	●
SDL45-0230	2.30	26	58	●
SDL45-0235	2.35	26	61	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL45-0240	2.40	26	61	●
SDL45-0245	2.45	26	61	●
SDL45-0250	2.50	26	61	●
SDL45-0251	2.51	26	61	●
SDL45-0252	2.52	26	61	●
SDL45-0253	2.53	26	61	●
SDL45-0254	2.54	26	61	○
SDL45-0255	2.55	28	64	●
SDL45-0260	2.60	28	64	●
SDL45-0265	2.65	28	64	●
SDL45-0270	2.70	28	64	●
SDL45-0275	2.75	30	65	●
SDL45-0280	2.80	30	65	●
SDL45-0285	2.85	30	65	●
SDL45-0290	2.90	30	71	●
SDL45-0295	2.95	30	71	●
SDL45-0301	3.01	30	75	●
SDL45-0302	3.02	30	75	●
SDL45-0302-2	3.02	35	80	●
SDL45-0303	3.03	30	75	●
SDL45-0304	3.04	30	75	○
SDL45-0305	3.05	30	71	●
SDL45-0310	3.10	32	71	○
SDL45-0315	3.15	32	71	○
SDL45-0320	3.20	32	71	○
SDL45-0325	3.25	32	71	○
SDL45-0330	3.30	35	75	○
SDL45-0335	3.35	35	75	○
SDL45-0340	3.40	35	75	○
SDL45-0345	3.45	35	75	○
SDL45-0350	3.50	35	75	○
SDL45-0355	3.55	35	75	○
SDL45-0360	3.60	37	76	○
SDL45-0365	3.65	37	76	○
SDL45-0370	3.70	37	76	○
SDL45-0375	3.75	37	76	○
SDL45-0380	3.80	37	76	○
SDL45-0385	3.85	37	76	○
SDL45-0390	3.90	37	79	○
SDL45-0395	3.95	37	79	○
SDL45-0400	4.00	40	82	○
SDL45-0401	4.01	35	75	●
SDL45-0402	4.02	35	75	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL45-0403	4.03	35	75	●
SDL45-0404	4.04	40	82	○
SDL45-0410	4.10	40	82	○
SDL45-0415	4.15	40	82	○
SDL45-0420	4.20	40	82	○
SDL45-0430	4.30	40	82	○
SDL45-0435	4.35	40	82	○
SDL45-0440	4.40	42	82	○
SDL45-0445	4.45	42	82	○
SDL45-0450	4.50	42	82	○
SDL45-0455	4.55	42	82	○
SDL45-0460	4.60	42	82	○
SDL45-0465	4.65	42	82	○
SDL45-0470	4.70	42	82	○
SDL45-0475	4.75	42	82	○
SDL45-0480	4.80	42	82	○
SDL45-0485	4.85	42	82	○
SDL45-0490	4.90	45	92	○
SDL45-0495	4.95	45	92	○
SDL45-0500	5.00	55	110	●
SDL45-0501	5.01	55	110	●
SDL45-0502	5.02	55	110	●
SDL45-0503	5.03	55	110	○
SDL45-0504	5.04	55	110	○
SDL45-0505	5.05	55	110	●
SDL45-0510	5.10	55	110	○
SDL45-0515	5.15	55	110	○
SDL45-0520	5.20	55	110	○
SDL45-0525	5.25	55	110	○
SDL45-0530	5.30	55	110	○
SDL45-0535	5.35	55	110	○
SDL45-0540	5.40	55	110	○
SDL45-0545	5.45	55	110	○
SDL45-0550	5.50	60	110	●
SDL45-0555	5.55	60	110	○
SDL45-0560	5.60	60	110	○
SDL45-0565	5.65	60	110	○
SDL45-0570	5.70	60	110	○
SDL45-0575	5.75	60	110	○
SDL45-0580	5.80	60	110	○
SDL45-0585	5.85	60	110	○
SDL45-0590	5.90	60	110	○
SDL45-0595	5.95	60	110	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SDL45-0600	6.00	65	110	●
SDL45-0601	6.01	65	110	○
SDL45-0602	6.02	50	110	●
SDL45-0603	6.03	65	110	○
SDL45-0604	6.04	65	110	○
SDL45-0605	6.05	65	110	○
SDL45-0610	6.10	65	110	○
SDL45-0620	6.20	65	110	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SDL45-0630	6.30	65	110	○
SDL45-0640	6.40	65	110	○
SDL45-0650	6.50	65	110	○
SDL45-0660	6.60	65	110	○
SDL45-0670	6.70	65	110	○
SDL45-0680	6.80	65	110	○
SDL45-0690	6.90	65	110	○
SDL45-0700	7.00	65	110	○

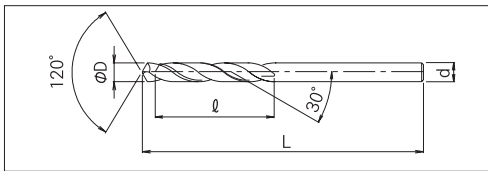
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

롱드릴

Long Drill, Straight Shank

SDL50



- 깊은 홀 가공에 적합한 고성능 초경 롱드릴
High-performance solid carbide long drill for deep-hole machining
- 강재, 비철금속 및 수지까지 다양한 소재 가공에 적용 가능
Suitable for machining a wide range of materials, including steels, non-ferrous materials, and plastics

날경공차 : +0~-0.005
ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL50-0050	0.50	11	60	○
SDL50-0055	0.55	15	64	○
SDL50-0060	0.60	15	64	○
SDL50-0065	0.65	15	64	○
SDL50-0070	0.70	20	80	●
SDL50-0075	0.75	20	80	●
SDL50-0080	0.80	25	80	●
SDL50-0085	0.85	32	80	●
SDL50-0090	0.9	25	80	●
SDL50-0094	0.94	30	80	●
SDL50-0095	0.95	30	80	●
SDL50-0100	1.00	25	75	●
SDL50-0101	1.01	25	75	○
SDL50-0102	1.02	25	75	●
SDL50-0103	1.03	25	75	●
SDL50-0104	1.04	25	75	○
SDL50-0105	1.05	30	75	●
SDL50-0110	1.10	25	75	●
SDL50-0111	1.11	25	75	○
SDL50-0112	1.12	25	75	●
SDL50-0113	1.13	25	75	○
SDL50-0114	1.14	25	75	○
SDL50-0115	1.15	30	80	●
SDL50-0120	1.20	25	75	●
SDL50-0121	1.21	25	75	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL50-0122	1.22	25	75	●
SDL50-0123	1.23	25	75	○
SDL50-0124	1.24	25	75	○
SDL50-0125	1.25	30	80	●
SDL50-0130	1.30	25	75	●
SDL50-0131	1.31	25	75	○
SDL50-0132	1.32	25	75	●
SDL50-0133	1.33	25	75	○
SDL50-0134	1.34	25	75	○
SDL50-0135	1.35	30	80	●
SDL50-0140	1.40	30	75	●
SDL50-0141	1.41	30	75	○
SDL50-0142	1.42	30	75	●
SDL50-0143	1.43	30	75	○
SDL50-0144	1.44	30	75	○
SDL50-0145	1.45	30	80	●
SDL50-0150	1.50	30	75	●
SDL50-0151	1.51	30	75	○
SDL50-0152	1.52	30	75	●
SDL50-0153	1.53	30	75	○
SDL50-0154	1.54	30	75	○
SDL50-0155	1.55	30	75	●
SDL50-0160	1.60	30	75	●
SDL50-0161	1.61	30	75	○
SDL50-0162	1.62	30	75	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall,L	재고 유무
SDL50-0163	1.63	30	75	○
SDL50-0164	1.64	30	75	○
SDL50-0165	1.65	30	80	●
SDL50-0170	1.70	30	75	●
SDL50-0171	1.71	30	75	●
SDL50-0172	1.72	30	75	●
SDL50-0173	1.73	30	75	○
SDL50-0174	1.74	30	75	○
SDL50-0175	1.75	30	80	●
SDL50-0180	1.80	30	75	●
SDL50-0181	1.81	30	75	○
SDL50-0182	1.82	30	75	●
SDL50-0183	1.83	30	75	○
SDL50-0184	1.84	30	75	○
SDL50-0185	1.85	30	80	●
SDL50-0190	1.90	30	75	●
SDL50-0191	1.91	30	75	○
SDL50-0192	1.92	30	75	●
SDL50-0193	1.93	30	75	○
SDL50-0194	1.94	30	75	○
SDL50-0195	1.95	30	80	●
SDL50-0200	2.00	30	75	●
SDL50-0201	2.01	33	75	○
SDL50-0202	2.02	33	75	●
SDL50-0203	2.03	33	75	●
SDL50-0204	2.04	30	75	○
SDL50-0205	2.05	30	75	●
SDL50-0210	2.10	30	75	●
SDL50-0211	2.11	30	75	○
SDL50-0212	2.12	33	75	●
SDL50-0213	2.13	30	75	○
SDL50-0214	2.14	30	75	○
SDL50-0215	2.15	30	80	●
SDL50-0220	2.20	30	75	●
SDL50-0221	2.21	30	75	○
SDL50-0222	2.22	33	75	●
SDL50-0223	2.23	30	75	○
SDL50-0224	2.24	30	75	○
SDL50-0225	2.25	30	80	●
SDL50-0230	2.30	30	75	●
SDL50-0231	2.31	30	75	○
SDL50-0232	2.32	33	75	●
SDL50-0233	2.33	30	75	○

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall,L	재고 유무
SDL50-0234	2.34	30	75	○
SDL50-0235	2.35	30	80	●
SDL50-0240	2.40	35	100	●
SDL50-0240-2	2.40	35	80	●
SDL50-0240-3	2.40	50	100	●
SDL50-0241	2.41	50	100	○
SDL50-0242	2.42	50	100	●
SDL50-0243	2.43	50	100	○
SDL50-0244	2.44	50	100	○
SDL50-0245	2.45	35	100	●
SDL50-0250	2.50	35	100	●
SDL50-0250-2	2.50	35	80	●
SDL50-0250-3	2.50	50	100	●
SDL50-0251	2.51	50	100	○
SDL50-0252	2.52	30	75	●
SDL50-0252-2	2.52	55	100	●
SDL50-0253	2.53	55	100	○
SDL50-0254	2.54	55	100	○
SDL50-0255	2.55	35	100	●
SDL50-0255-2	2.55	55	100	●
SDL50-0260	2.60	35	100	●
SDL50-0260-2	2.60	35	80	●
SDL50-0260-3	2.60	50	100	●
SDL50-0261	2.61	55	100	○
SDL50-0262	2.62	55	100	●
SDL50-0263	2.63	55	100	○
SDL50-0264	2.64	55	100	○
SDL50-0265	2.65	35	100	●
SDL50-0270	2.70	35	100	●
SDL50-0270-2	2.70	35	80	●
SDL50-0270-3	2.70	50	100	●
SDL50-0271	2.71	55	100	○
SDL50-0272	2.72	55	100	●
SDL50-0273	2.73	55	100	○
SDL50-0274	2.74	55	100	○
SDL50-0275	2.75	35	100	●
SDL50-0280	2.80	35	100	●
SDL50-0280-2	2.80	35	80	●
SDL50-0280-3	2.80	50	100	●
SDL50-0281	2.81	55	100	○
SDL50-0282	2.82	55	100	●
SDL50-0283	2.83	55	100	○
SDL50-0284	2.84	55	100	○

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall, L	재고 유무
SDL50-0285	2.85	35	100	●
SDL50-0285-2	2.85	50	100	●
SDL50-0290	2.90	35	100	●
SDL50-0290-2	2.90	35	80	●
SDL50-0290-3	2.90	50	100	●
SDL50-0291	2.91	55	100	○
SDL50-0292	2.92	55	100	●
SDL50-0293	2.93	55	100	○
SDL50-0294	2.94	55	100	○
SDL50-0295	2.95	35	100	●
SDL50-0300	3.00	50	100	●
SDL50-0301	3.01	55	100	●
SDL50-0302	3.02	55	100	●
SDL50-0303	3.03	55	100	●
SDL50-0305	3.05	50	100	●
SDL50-0310	3.10	50	100	●
SDL50-0312	3.12	35	75	●
SDL50-0315	3.15	55	100	●
SDL50-0320	3.20	50	100	●
SDL50-0325	3.25	55	100	●
SDL50-0330	3.30	50	100	●
SDL50-0335	3.35	55	100	●
SDL50-0340	3.40	50	100	●
SDL50-0345	3.45	55	100	●
SDL50-0350	3.50	50	100	●
SDL50-0355	3.55	55	100	●
SDL50-0360	3.60	50	100	●
SDL50-0365	3.65	55	100	●
SDL50-0370	3.70	50	100	●
SDL50-0375	3.75	55	100	●
SDL50-0380	3.80	50	100	●
SDL50-0385	3.85	55	100	●
SDL50-0390	3.90	50	100	●
SDL50-0395	3.95	55	100	●
SDL50-0400	4.00	50	100	●
SDL50-0401	4.01	55	100	●
SDL50-0402	4.02	55	100	●
SDL50-0405	4.05	55	100	●
SDL50-0410	4.10	50	100	●
SDL50-0415	4.15	55	100	●
SDL50-0420	4.20	50	100	●
SDL50-0425	4.25	55	100	●
SDL50-0430	4.30	50	100	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall, L	재고 유무
SDL50-0435	4.35	55	100	●
SDL50-0440	4.40	50	100	●
SDL50-0445	4.45	55	100	●
SDL50-0450	4.50	50	100	●
SDL50-0455	4.55	55	110	●
SDL50-0460	4.60	50	100	●
SDL50-0465	4.65	55	110	●
SDL50-0470	4.70	50	100	●
SDL50-0475	4.75	55	110	●
SDL50-0480	4.80	50	100	●
SDL50-0485	4.85	55	110	●
SDL50-0490	4.90	50	100	●
SDL50-0495	4.95	55	110	●
SDL50-0500	5.00	75	150	●
SDL50-0510	5.10	75	150	●
SDL50-0520	5.20	75	150	●
SDL50-0530	5.30	75	150	●
SDL50-0540	5.40	75	150	●
SDL50-0550	5.50	75	150	●
SDL50-0550	5.60	75	150	●
SDL50-0560	5.70	75	150	●
SDL50-0570	5.80	75	150	●
SDL50-0580	5.90	75	150	●
SDL50-0590	5.10	75	150	●
SDL50-0600	6.00	75	150	●
SDL50-0610	6.10	75	160	●
SDL50-0620	6.20	75	160	●
SDL50-0630	6.30	75	160	●
SDL50-0640	6.40	75	164	●
SDL50-0650	6.50	75	164	●
SDL50-0660	6.60	75	164	●
SDL50-0670	6.70	75	164	●
SDL50-0680	6.80	75	164	●
SDL50-0690	6.90	75	164	●
SDL50-0700	7.00	90	164	●
SDL50-0750	7.50	90	164	●
SDL50-0800	8.00	100	165	●
SDL50-0850	8.50	100	164	●
SDL50-0900	9.00	100	164	●
SDL50-0950	9.50	75	164	●
SDL50-1000	10.0	100	164	●

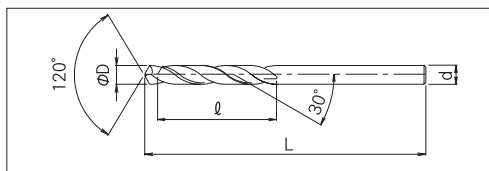
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

엑스트라 롱드릴

Long Drill, Straight Shank

SDL60



- 깊은 홀 가공에 적합한 고성능 초경 롱드릴
High-performance solid carbide long drill for deep-hole machining
- 강재, 비철금속 및 수지까지 다양한 소재 가공에 적용 가능
Suitable for machining a wide range of materials, including steels, non-ferrous materials, and plastics

날경공차 : +0~-0.005
ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL60-0100	1.0	50	100	●
SDL60-0110	1.1	50	100	●
SDL60-0120	1.2	50	100	●
SDL60-0130	1.3	50	100	●
SDL60-0140	1.4	50	100	●
SDL60-0150	1.5	50	100	●
SDL60-0160	1.6	50	100	●
SDL60-0170	1.7	50	100	●
SDL60-0180	1.8	50	100	●
SDL60-0190	1.9	50	100	●
SDL60-0200	2.0	50	100	●
SDL60-0202	2.02	50	100	●
SDL60-0205	2.05	50	100	●
SDL60-0210	2.1	50	100	●
SDL60-0220	2.2	50	100	●
SDL60-0230	2.3	50	100	●
SDL60-0240	2.4	75	150	●
SDL60-0250	2.5	75	150	●
SDL60-0260	2.6	75	150	●
SDL60-0270	2.7	75	150	●
SDL60-0280	2.8	75	150	●
SDL60-0290	2.9	75	150	●
SDL60-0300	3.0	75	150	●
SDL60-0310	3.1	75	150	●
SDL60-0320	3.2	75	150	●

제품번호 Code No.	외경(D) Dia	날장(L) Length	전장(L) Oveall.L	재고 유무
SDL60-0330	3.3	75	150	●
SDL60-0340	3.4	75	150	●
SDL60-0350	3.5	75	150	●
SDL60-0360	3.6	75	150	●
SDL60-0370	3.7	75	150	●
SDL60-0380	3.8	75	150	●
SDL60-0390	3.9	75	150	●
SDL60-0400	4.0	75	150	●
SDL60-0410	4.1	75	150	●
SDL60-0420	4.2	75	150	●
SDL60-0430	4.3	75	150	●
SDL60-0440	4.4	75	150	●
SDL60-0450	4.5	75	150	●
SDL60-0460	4.6	75	150	●
SDL60-0470	4.7	75	150	●
SDL60-0480	4.8	75	150	●
SDL60-0490	4.9	75	150	●
SDL60-0500	5.0	100	200	●
SDL60-0510	5.1	100	200	●
SDL60-0520	5.2	100	200	●
SDL60-0530	5.3	100	200	●
SDL60-0540	5.4	100	200	●
SDL60-0550	5.5	100	200	●
SDL60-0560	5.6	100	200	●
SDL60-0570	5.7	100	200	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

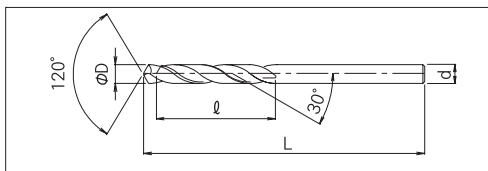
제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall,L	재고 유무
SDL60 - 0580	5.8	100	200	●
SDL60 - 0590	5.9	100	200	●
SDL60 - 0600	6.0	110	200	●
SDL60 - 0610	6.1	110	200	●
SDL60 - 0620	6.2	100	200	●
SDL60 - 0630	6.3	110	200	●
SDL60 - 0640	6.4	110	200	●
SDL60 - 0650	6.5	110	200	●
SDL60 - 0660	6.6	110	200	●
SDL60 - 0670	6.7	110	200	●

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall,L	재고 유무
SDL60 - 0680	6.8	110	200	●
SDL60 - 0690	6.9	110	200	●
SDL60 - 0700	7.0	105	200	●
SDL60 - 0750	7.5	110	200	●
SDL60 - 0800	8.0	105	200	●
SDL60 - 0850	8.5	110	200	●
SDL60 - 0900	9.0	110	200	●
SDL60 - 0950	9.5	110	200	●
SDL60 - 1000	10.0	115	200	●

슈퍼 롱드릴

Super Long Drill, Straight Shank

SDL70



- 깊은 홀 가공에 적합한 고성능 초경 롱드릴
High-performance solid carbide long drill for deep-hole machining
- 강재, 비철금속 및 수지까지 다양한 소재 가공에 적용 가능
Suitable for machining a wide range of materials, including steels, non-ferrous materials, and plastics

날경공차 : +0 ~ -0.005
ØD Tolerance



단위 Unit : mm

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SDL70-0140	1.4	75	150	●
SDL70-0150	1.5	75	160	●
SDL70-0160	1.6	75	160	●
SDL70-0170	1.7	75	160	●
SDL70-0180	1.8	75	160	●
SDL70-0190	1.9	75	160	●
SDL70-0200	2.0	75	160	●
SDL70-0210	2.1	75	150	●
SDL70-0220	2.2	75	160	●
SDL70-0230	2.3	75	160	●
SDL70-0240	2.4	97	200	●
SDL70-0250	2.5	97	200	●
SDL70-0260	2.6	97	210	○
SDL70-0270	2.7	97	210	○
SDL70-0280	2.8	97	210	○
SDL70-0290	2.9	97	210	○
SDL70-0300	3.0	100	200	●
SDL70-0310	3.1	100	210	○
SDL70-0320	3.2	100	210	○
SDL70-0330	3.3	100	200	○
SDL70-0340	3.4	100	210	●
SDL70-0350	3.5	100	200	●
SDL70-0400	4.0	100	200	●
SDL70-0410	4.1	100	200	○
SDL70-0420	4.2	100	200	○

제품번호 Code No.	외경(D) Dia	날장(l) Length	전장(L) Oveall.L	재고 유무
SDL70-0430	4.3	100	200	●
SDL70-0430	4.3	150	200	○
SDL70-0440	4.4	100	200	○
SDL70-0450	4.5	100	200	○
SDL70-0460	4.6	100	200	○
SDL70-0470	4.7	100	200	○
SDL70-0480	4.8	100	200	○
SDL70-0490	4.9	100	200	○
SDL70-0500	5.0	150	250	●
SDL70-0550	5.5	150	250	○
SDL70-0600	6.0	150	250	○
SDL70-0650	6.5	150	250	○
SDL70-0700	7.0	160	250	○
SDL70-0750	7.5	170	250	○
SDL70-0800	8.0	170	250	○
SDL70-0850	8.5	170	250	○
SDL70-0900	9.0	180	250	○
SDL70-0950	9.5	180	250	○
SDL70-1000	10.0	180	250	○

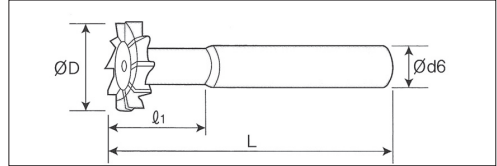
● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

T �터

Carbide T-Cutter

TZTC



- 우수한 절삭 성능과 높은 내구성으로 안정적인 가공 품질을 제공
Provides stable machining quality with excellent cutting performance and durability.

날경공차 : +0~-0.005
ØD Tolerance

단위 Unit : mm

제품번호 Code No.	외경 D	날두께 T	전장 L	샤크 D	날수 F	재고 유무
TZTC 08002	8	0.2	40	5	20F	●
TZTC 08003	8	0.3	40	5	20F	●
TZTC 08004	8	0.4	40	5	20F	●
TZTC 08005	8	0.5	40	5	20F	●
TZTC 08008	8	0.8	40	5	20F	●
TZTC 08010	8	1	40	5	20F	●
TZTC 08012	8	1.2	40	5	20F	●
TZTC 08015	8	1.5	40	5	20F	●
TZTC 08018	8	1.8	40	5	20F	●
TZTC 08019	8	1.9	40	5	20F	●
TZTC 08020	8	2	40	5	20F	●
TZTC 08022	8	2.2	40	5	20F	●
TZTC 08025	8	2.5	40	5	20F	●
TZTC 08030	8	3	40	5	20F	●
TZTC 08035	8	3.5	40	5	20F	●
TZTC 08040	8	4	40	5	20F	●
TZTC 08045	8	4.5	40	5	20F	●
TZTC 08050	8	5	40	5	20F	●
TZTC 09010	9	1	40	5	20F	●
TZTC 09015	9	1.5	40	5	20F	●
TZTC 09020	9	2	40	5	20F	●
TZTC 09025	9	2.5	40	5	20F	●
TZTC 09030	9	3	40	5	20F	●
TZTC 10002	10.0	0.2	40	5	20F	●
TZTC 10003	10.0	0.3	40	5	20F	●

제품번호 Code No.	외경 D	날두께 T	전장 L	샤크 D	날수 F	재고 유무
TZTC 10004	10.0	0.4	40	5	20F	●
TZTC 10005	10.0	0.5	40	5	20F	●
TZTC 10006	10.0	0.6	40	5	20F	●
TZTC 10007	10.0	0.7	40	5	20F	●
TZTC 10008	10.0	0.8	40	5	20F	●
TZTC 10009	10.0	0.9	40	5	20F	●
TZTC 10010	10.0	1.0	40	5	20F	●
TZTC 10011	10.0	1.1	40	5	20F	●
TZTC 10012	10.0	1.2	40	5	20F	●
TZTC 10013	10.0	1.3	40	5	20F	●
TZTC 10014	10.0	1.4	40	5	20F	●
TZTC 10015	10.0	1.5	40	5	20F	●
TZTC 10016	10.0	1.6	40	5	20F	●
TZTC 10017	10.0	1.7	40	5	20F	●
TZTC 10018	10.0	1.8	40	5	20F	●
TZTC 10019	10.0	1.9	40	5	20F	●
TZTC 10020	10.0	2.0	40	5	20F	●
TZTC 10021	10.0	2.1	40	5	20F	●
TZTC 10025	10.0	2.5	40	5	20F	●
TZTC 10030	10.0	3.0	40	5	20F	●
TZTC 10031	10.0	3.1	40	5	20F	●
TZTC 10032	10.0	3.2	40	5	20F	●
TZTC 10033	10.0	3.3	40	5	20F	●
TZTC 10034	10.0	3.4	40	5	20F	●
TZTC 10035	10.0	3.5	40	5	20F	●

● = 표준 재고품 / Standard stock item
○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경 D	날두께 T	전장 L	상크 D	날수 F	재고 유무
TZTC 10040	10.0	4.0	40	5	20F	●
TZTC 10045	10.0	4.5	40	5	20F	●
TZTC 10050	10.0	5.0	40	5	20F	●
TZTC 10060	10.0	6.0	40	5	20F	●
TZTC 12002	12.0	0.2	45	5	24F	●
TZTC 12003	12.0	0.3	45	5	24F	●
TZTC 12004	12.0	0.4	45	5	24F	●
TZTC 12005	12.0	0.5	45	5	24F	●
TZTC 12006	12.0	0.6	45	5	24F	●
TZTC 12007	12.0	0.7	45	5	24F	●
TZTC 12008	12.0	0.8	45	5	24F	●
TZTC 12009	12.0	0.9	45	5	24F	●
TZTC 12010	12.0	1.0	45	5	24F	●
TZTC 12011	12.0	1.1	45	5	24F	●
TZTC 12012	12.0	1.2	45	5	24F	●
TZTC 12013	12.0	1.3	45	5	24F	●
TZTC 12014	12.0	1.4	45	5	24F	●
TZTC 12015	12.0	1.5	45	5	24F	●
TZTC 12016	12.0	1.6	45	5	24F	●
TZTC 12017	12.0	1.7	45	5	24F	●
TZTC 12018	12.0	1.8	45	5	24F	●
TZTC 12019	12.0	1.9	45	5	24F	●
TZTC 12020	12.0	2.0	45	5	24F	●
TZTC 12025	12.0	2.5	45	5	24F	●
TZTC 12030	12.0	3.0	45	5	24F	●
TZTC 12031	12.0	3.1	45	5	24F	●
TZTC 12032	12.0	3.2	45	5	24F	●
TZTC 12033	12.0	3.3	45	5	24F	●
TZTC 12034	12.0	3.4	45	5	24F	●
TZTC 12040	12.0	4.0	45	5	24F	●
TZTC 12045	12.0	4.5	45	5	24F	●
TZTC 12050	12.0	5.0	45	5	24F	●
TZTC 12060	12.0	6.0	45	5	24F	●
TZTC 13002	13.0	0.2	45	5	24F	●
TZTC 13003	13.0	0.3	45	5	24F	●
TZTC 13004	13.0	0.4	45	5	24F	●
TZTC 13005	13.0	0.5	45	5	24F	●
TZTC 13006	13.0	0.6	45	5	24F	●
TZTC 13008	13.0	0.8	45	5	24F	●
TZTC 13010	13.0	1.0	45	5	24F	●
TZTC 13012	13.0	1.2	45	5	24F	●
TZTC 13013	13.0	1.3	45	5	24F	●
TZTC 13015	13.0	1.5	45	5	24F	●

제품번호 Code No.	외경 D	날두께 T	전장 L	상크 D	날수 F	재고 유무
TZTC 13016	13.0	1.6	45	5	24F	●
TZTC 13018	13.0	1.8	45	5	24F	●
TZTC 13020	13.0	2.0	45	5	24F	●
TZTC 13022	13.0	2.2	45	5	24F	●
TZTC 13025	13.0	2.5	45	5	24F	●
TZTC 13030	13.0	3.0	45	5	24F	●
TZTC 13031	13.0	3.1	45	5	24F	●
TZTC 13040	13.0	4.0	45	5	24F	●
TZTC 13042	13.0	4.2	45	5	24F	●
TZTC 13050	13.0	5.0	45	5	24F	●
TZTC 13502	13.5	0.2	45	5	24F	●
TZTC 13503	13.5	0.3	45	5	24F	●
TZTC 13504	13.5	0.4	45	5	24F	●
TZTC 13505	13.5	0.5	45	5	24F	●
TZTC 13506	13.5	0.6	45	5	24F	●
TZTC 13507	13.5	0.7	45	5	24F	●
TZTC 13508	13.5	0.8	45	5	24F	●
TZTC 13509	13.5	0.9	45	5	24F	●
TZTC 13510	13.5	1.0	45	5	24F	●
TZTC 13511	13.5	1.1	45	5	24F	●
TZTC 13512	13.5	1.2	45	5	24F	●
TZTC 13513	13.5	1.3	45	5	24F	●
TZTC 13514	13.5	1.4	45	5	24F	●
TZTC 13515	13.5	1.5	45	5	24F	●
TZTC 13516	13.5	1.6	45	5	24F	●
TZTC 13517	13.5	1.7	45	5	24F	●
TZTC 13518	13.5	1.8	45	5	24F	●
TZTC 13519	13.5	1.9	45	5	24F	●
TZTC 13520	13.5	2.0	45	5	24F	●
TZTC 13521	13.5	2.1	45	5	24F	●
TZTC 13522	13.5	2.2	45	5	24F	●
TZTC 13523	13.5	2.3	45	5	24F	●
TZTC 13524	13.5	2.4	45	5	24F	●
TZTC 13525	13.5	2.5	45	5	24F	●
TZTC 13526	13.5	2.6	45	5	24F	●
TZTC 13527	13.5	2.7	45	5	24F	●
TZTC 13528	13.5	2.8	45	5	24F	●
TZTC 13529	13.5	2.9	45	5	24F	●
TZTC 13530	13.5	3.0	45	5	24F	●
TZTC 13531	13.5	3.1	45	5	24F	●
TZTC 13532	13.5	3.2	45	5	24F	●
TZTC 13533	13.5	3.3	45	5	24F	●
TZTC 13534	13.5	3.4	45	5	24F	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경 D	날두께 T	전장 L	상크 D	날수 F	재고 유무
TZTC 13535	13.5	3.5	45	5	24F	●
TZTC 13536	13.5	3.6	45	5	24F	●
TZTC 13537	13.5	3.7	45	5	24F	●
TZTC 13538	13.5	3.8	45	5	24F	●
TZTC 13539	13.5	3.9	45	5	24F	●
TZTC 13540	13.5	4.0	45	5	24F	●
TZTC 13541	13.5	4.1	45	5	24F	●
TZTC 13542	13.5	4.2	45	5	24F	●
TZTC 13543	13.5	4.3	45	5	24F	●
TZTC 13544	13.5	4.4	45	5	24F	●
TZTC 13545	13.5	4.5	45	5	24F	●
TZTC 13546	13.5	4.6	45	5	24F	●
TZTC 13547	13.5	4.7	45	5	24F	●
TZTC 13548	13.5	4.8	45	5	24F	●
TZTC 13549	13.5	4.9	45	5	24F	●
TZTC 13550	13.5	5.0	45	5	24F	●
TZTC 14005	14.0	0.5	45	5	24F	●
TZTC 14010	14.0	1.0	45	5	24F	●
TZTC 14015	14.0	1.5	45	5	24F	●
TZTC 14020	14.0	2.0	45	5	24F	●
TZTC 14025	14.0	2.5	45	5	24F	●
TZTC 14030	14.0	3.0	45	5	24F	●
TZTC 14031	14.0	3.1	45	5	24F	●
TZTC 14032	14.0	3.5	45	6	24F	●
TZTC 14040	14.0	4.0	45	5	24F	●
TZTC 15003	15.0	0.3	45	6	24F	●
TZTC 15005	15.0	0.5	45	6	24F	●
TZTC 15008	15.0	0.8	45	6	24F	●
TZTC 15010	15.0	1.0	45	6	24F	●
TZTC 15011	15.0	1.1	45	6	24F	●
TZTC 15012	15.0	1.2	45	6	24F	●
TZTC 15013	15.0	1.3	45	6	24F	●
TZTC 15015	15.0	1.5	45	6	24F	●
TZTC 15016	15.0	1.6	45	6	24F	●
TZTC 15019	15.0	1.9	45	6	24F	●
TZTC 15020	15.0	2.0	45	6	24F	●
TZTC 15024	15.0	2.4	45	6	24F	●
TZTC 15025	15.0	2.5	45	6	24F	●
TZTC 15030	15.0	3.0	45	6	24F	●
TZTC 15031	15.0	3.1	45	6	24F	●
TZTC 15035	15.0	3.5	45	6	24F	●
TZTC 15040	15.0	4.0	45	6	24F	●
TZTC 15050	15.0	5.0	45	6	24F	●

제품번호 Code No.	외경 D	날두께 T	전장 L	상크 D	날수 F	재고 유무
TZTC 16003	16.0	0.3	45	6	24F	●
TZTC 16004	16.0	0.4	45	6	24F	●
TZTC 16005	16.0	0.5	45	6	24F	●
TZTC 16006	16.0	0.6	45	6	24F	●
TZTC 16007	16.0	0.7	45	6	24F	●
TZTC 16008	16.0	0.8	45	6	24F	●
TZTC 16009	16.0	0.9	45	6	24F	●
TZTC 16010	16.0	1.0	45	6	24F	●
TZTC 16011	16.0	1.1	45	6	24F	●
TZTC 16012	16.0	1.2	45	6	24F	●
TZTC 16013	16.0	1.3	45	6	24F	●
TZTC 16014	16.0	1.4	45	6	24F	●
TZTC 16015	16.0	1.5	45	6	24F	●
TZTC 16016	16.0	1.6	45	6	24F	●
TZTC 16017	16.0	1.7	45	6	24F	●
TZTC 16018	16.0	1.8	45	6	24F	●
TZTC 16019	16.0	1.9	45	6	24F	●
TZTC 16020	16.0	2.0	45	6	24F	●
TZTC 16021	16.0	2.1	45	6	24F	●
TZTC 16022	16.0	2.2	45	6	24F	●
TZTC 16023	16.0	2.3	45	6	24F	●
TZTC 16024	16.0	2.4	45	6	24F	●
TZTC 16025	16.0	2.5	45	6	24F	●
TZTC 16026	16.0	2.6	45	6	24F	●
TZTC 16027	16.0	2.7	45	6	24F	●
TZTC 16028	16.0	2.8	45	6	24F	●
TZTC 16029	16.0	2.9	45	6	24F	●
TZTC 16030	16.0	3.0	45	6	24F	●
TZTC 16031	16.0	3.1	45	6	24F	●
TZTC 16035	16.0	3.5	45	6	24F	●
TZTC 16040	16.0	4.0	45	6	24F	●
TZTC 16045	16.0	4.5	45	6	24F	●
TZTC 16050	16.0	5.0	45	6	24F	●
TZTC 18005	18.0	0.5	45	6	24F	●
TZTC 18010	18.0	1.0	45	6	24F	●
TZTC 18012	18.0	1.2	45	6	24F	●
TZTC 18014	18.0	1.4	45	6	24F	●
TZTC 18015	18.0	1.5	45	6	24F	●
TZTC 18020	18.0	2.0	45	6	24F	●
TZTC 18025	18.0	2.5	45	6	24F	●
TZTC 18030	18.0	3.0	45	6	24F	●
TZTC 18035	18.0	3.5	45	6	24F	●
TZTC 18040	18.0	4.0	45	6	24F	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경 D	날두께 T	전장 L	상크 D	날수 F	재고 유무
TZTC 18060	18.0	6.0	45	6	24F	●
TZTC 20003	20.0	0.3	45	6	24F	●
TZTC 20004	20.0	0.4	45	6	24F	●
TZTC 20005	20.0	0.5	45	6	24F	●
TZTC 20006	20.0	0.6	45	6	24F	●
TZTC 20007	20.0	0.7	45	6	24F	●
TZTC 20008	20.0	0.8	45	6	24F	●
TZTC 20009	20.0	0.9	45	6	24F	●
TZTC 20010	20.0	1.0	45	6	24F	●
TZTC 20011	20.0	1.1	45	6	24F	●
TZTC 20012	20.0	1.2	45	6	24F	●
TZTC 20013	20.0	1.3	45	6	24F	●
TZTC 20014	20.0	1.4	45	6	24F	●
TZTC 20015	20.0	1.5	45	6	24F	●
TZTC 20016	20.0	1.6	45	6	24F	●
TZTC 20017	20.0	1.7	45	6	24F	●
TZTC 20018	20.0	1.8	45	6	24F	●
TZTC 20019	20.0	1.9	45	6	24F	●
TZTC 20020	20.0	2.0	45	6	24F	●
TZTC 20021	20.0	2.1	45	6	24F	●
TZTC 20022	20.0	2.2	45	6	24F	●
TZTC 20023	20.0	2.3	45	6	24F	●
TZTC 20024	20.0	2.4	45	6	24F	●
TZTC 20025	20.0	2.5	45	6	24F	●
TZTC 20026	20.0	2.6	45	6	24F	●
TZTC 20028	20.0	2.8	45	6	24F	●
TZTC 20030	20.0	3.0	45	6	24F	●
TZTC 20035	20.0	3.5	45	6	24F	●
TZTC 20040	20.0	4.0	45	6	24F	●
TZTC 20045	20.0	4.5	45	6	24F	●
TZTC 20050	20.0	5.0	45	6	24F	●
TZTC 20060	20.0	6.0	45	6	24F	●
TZTC 22005	22.0	0.5	45	6	24F	●
TZTC 22010	22.0	1.0	45	6	24F	●
TZTC 22015	22.0	1.5	45	6	24F	●
TZTC 22020	22.0	2.0	45	6	24F	●
TZTC 22025	22.0	2.5	45	6	24F	●
TZTC 22030	22.0	3.0	45	6	24F	●
TZTC 22060	22.0	6.0	45	6	24F	●
TZTC 25003	25.0	0.3	45	6	24F	●
TZTC 25004	25.0	0.4	45	6	24F	●
TZTC 25005	25.0	0.5	45	6	24F	●
TZTC 25006	25.0	0.6	45	6	24F	●

제품번호 Code No.	외경 D	날두께 T	전장 L	상크 D	날수 F	재고 유무
TZTC 25007	25.0	0.7	45	6	24F	●
TZTC 25008	25.0	0.8	45	6	24F	●
TZTC 25010	25.0	1.0	45	6	24F	●
TZTC 25012	25.0	1.2	45	6	24F	●
TZTC 25015	25.0	1.5	45	6	24F	●
TZTC 25016	25.0	1.6	45	6	24F	●
TZTC 25018	25.0	1.8	45	6	24F	●
TZTC 25020	25.0	2.0	45	6	24F	●
TZTC 25022	25.0	2.2	45	6	24F	●
TZTC 25023	25.0	2.3	45	6	24F	●
TZTC 25025	25.0	2.5	45	6	24F	●
TZTC 25030	25.0	3.0	45	6	24F	●
TZTC 25035	25.0	3.5	45	6	24F	●
TZTC 25040	25.0	4.0	45	6	24F	●
TZTC 25045	25.0	4.5	45	6	24F	●
TZTC 25050	25.0	5.0	45	6	24F	●
TZTC 25055	25.0	5.5	45	6	24F	●
TZTC 25060	25.0	6.0	45	6	24F	●
TZTC 30004	30.0	0.4	45	6	24F	●
TZTC 30005	30.0	0.5	45	6	24F	●
TZTC 30005	30.0	0.5	45	8	24F	●
TZTC 30007	30.0	0.7	45	6	24F	●
TZTC 30008	30.0	0.8	45	6	24F	●
TZTC 30008	30.0	0.8	45	8	24F	●
TZTC 30010	30.0	1.0	45	6	24F	●
TZTC 30010	30.0	1.0	45	8	24F	●
TZTC 30012	30.0	1.2	45	6	24F	●
TZTC 30014	30.0	1.4	45	6	24F	●
TZTC 30015	30.0	1.5	45	10	24F	●
TZTC 30015	30.0	1.5	45	6	24F	●
TZTC 30015	30.0	1.5	45	8	24F	●
TZTC 30016	30.0	1.6	45	6	24F	●
TZTC 30020	30.0	2.0	45	6	24F	●
TZTC 30020	30.0	2.0	45	8	24F	●
TZTC 30024	30.0	2.4	45	6	24F	●
TZTC 30025	30.0	2.5	45	6	24F	●
TZTC 30025	30.0	2.5	45	8	24F	●
TZTC 30030	30.0	3.0	45	6	24F	●
TZTC 30030	30.0	3.0	45	8	24F	●
TZTC 30035	30.0	3.5	45	6	24F	●
TZTC 30040	30.0	4.0	45	6	24F	●
TZTC 30040	30.0	4.0	45	8	24F	●
TZTC 30050	30.0	5.0	45	10	24F	●

● = 표준 재고품 / Standard stock item

○ = 준표준 재고품 (재고 확인 요망) / Limited standard stock item

제품번호 Code No.	외경 D	날두께 T	전장 L	상크 D	날수 F	재고 유무
TZTC 30050	30.0	5.0	45	6	24F	●
TZTC 30060	30.0	6.0	45	6	24F	●
TZTC 30060	30.0	6.0	45	8	24F	●
TZTC 32005	32.0	0.5	45	6	24F	●
TZTC 32005	32.0	0.5	45	8	24F	●
TZTC 32010	32.0	1.0	45	6	24F	●
TZTC 32010	32.0	1.0	45	8	24F	●
TZTC 32012	32.0	1.2	45	6	24F	●
TZTC 32013	32.0	1.3	45	6	24F	●
TZTC 32015	32.0	1.5	45	6	24F	●
TZTC 32015	32.0	1.5	45	8	24F	●
TZTC 32020	32.0	2.0	45	6	24F	●
TZTC 32020	32.0	2.0	45	8	24F	●
TZTC 32025	32.0	2.5	45	6	24F	●
TZTC 32025	32.0	2.5	45	8	24F	●
TZTC 32030	32.0	3.0	45	6	24F	●

제품번호 Code No.	외경 D	날두께 T	전장 L	상크 D	날수 F	재고 유무
TZTC 32030	32.0	3.0	45	8	24F	●
TZTC 32035	32.0	3.5	45	6	24F	●
TZTC 32035	32.0	3.5	45	8	24F	●
TZTC 32040	32.0	4.0	45	6	24F	●
TZTC 32040	32.0	4.0	45	8	24F	●
TZTC 32050	32.0	5.0	45	6	24F	●
TZTC 32050	32.0	5.0	45	8	24F	●
TZTC 32060	32.0	6.0	45	6	24F	●
TZTC 32060	32.0	6.0	45	8	24F	●
TZTC 40010	40.0	1.0	45	10	24F	●
TZTC 40015	40.0	1.5	45	10	24F	●
TZTC 40020	40.0	2.0	45	10	24F	●
TZTC 40030	40.0	3.0	45	10	24F	●
TZTC 45015	45.0	1.5	55	12	24F	●
TZTC 45020	45.0	2.0	55	12	24F	●

MNC30/MNC309/MNC31/MNC319

마이크로 NC드릴

NC Pointing Drill

피삭재	탄소강 · 합금강 · 공구강(Steel)						스테인레스강(Stainless Steel)			
	탄소강 SS S50C		합금강 SCM SKS		조절강 NAK SKD (HRC30~38)		SUS304 등 오스테나이트계 SUS304/316 Austenitic		마르텐사이트 페라이트계 SUS420/430 Martensitic & Ferritic	
선단경	회전수 (min)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)
φ0.1~ 0.29	15,000~ 10,000	0.0015~ 0.007	15,000~ 10,000	0.0015~ 0.007	13,000~ 8,800	0.001~ 0.004	10,000~ 5,000	0.001~ 0.003	13,000~ 8,800	0.0005~ 0.001
φ0.3~ 0.49	10,000~ 9,500	0.007~ 0.01	10,000~ 9,500	0.007~ 0.01	8,800~ 6,500	0.003~ 0.005	5,000~ 4,500	0.001~ 0.005	8,800~ 6,500	0.001~ 0.005
φ0.5~ 0.99	9,500~ 7,700	0.01~ 0.02	9,500~ 7,700	0.01~ 0.02	6,500~ 4,800	0.005~ 0.01	4,500~ 3,200	0.005~ 0.01	6,500~ 4,800	0.005~ 0.01
φ1.0~ 1.99	7,700~ 5,100	0.02~ 0.05	7,700~ 5,100	0.02~ 0.05	4,800~ 2,400	0.01~ 0.03	3,200~ 2,400	0.01~ 0.03	4,800~ 3,200	0.01~ 0.03
φ2.0~ 3.0	5,100~ 4,200	0.06	5,100~ 4,200	0.06	2,400~ 1,600	0.02~ 0.04	2,400~ 1,800	0.02~ 0.05	3,200~ 2,100	0.03~ 0.05

스텝 이송량 (Step Feed)

φ0.02 ~ φ0.49 : 드릴 직경 × 10% (0.1D)

φ0.5 ~ φ1.0 : 드릴 직경 × 20% (0.2D)

φ 1.0 이상 : 드릴 직경 × 25% ~ 50% (0.25D ~ 0.5D)

참고

드릴 직경이 0.1 m0 이하인 경우에는 표에 표시된 낮은 회전수(10,000 m0)부터 가공을 시작하는 것을 권장합니다.

절삭조건 참고사항

1. 척킹 시 드릴 런아웃(Nunout)은 0.003 mm 이하로 유지해 주십시오.
2. 사용 장비의 최고 회전수가 위 절삭조건에 도달하지 못하는 경우, 가능한 한 안정적인 고회전 영역에서 사용하십시오.
이 경우 이송량도 동일 비율로 줄여 주십시오.
3. φ0.5 이하의 드릴 사용 시에는 절삭조건보다 스피ndl의 안정적인 회전 정밀도를 우선해 주십시오.

Remarks:

1. The run out with a drill in a spindle should be minimized to less than 0.003mm.
2. When machines can not achieve a recommended rotation speed, please set maximum speed but in stable rotation range and adjust the feed rate.
3. For smaller drills under φ0.5, the most stable rotation speed of actually using spindle has higher priority than recommended conditions shown in the table.

피삭재	비철금속(Non-Ferrous)				수지(Resin)	
	알루미늄 합금 Aluminium Alloy		동 합금 Copper Alloy		엔지니어링 플라스틱 Engineering Plsdtic	
선단경	회전수 (min)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)
φ0.1~ 0.29	22,000~ 16,500	0.005~ 0.02	16,000~ 11,000	0.002~ 0.008	20,000~ 15,000	0.005~ 0.01
φ0.3~ 0.49	16,500~ 13,000	0.02~ 0.04	11,000~ 11,500	0.008~ 0.015	15,000~ 10,000	0.01~ 0.02
φ0.5~ 0.99	13,000~ 12,700	0.04~ 0.06	11,500~ 9,600	0.015~ 0.04	15,000~ 10,000	0.02~ 0.04
φ1.0~ 1.99	12,700~ 6,400	0.06~ 0.12	9,600~ 4,800	0.04~ 0.08	10,000~ 6,000	0.05~ 0.07
φ2.0~ 3.0	6,400~ 5,300	0.12~ 0.20	4,800~ 4,200	0.08~ 0.15	6,000~ 5,000	0.07~ 0.10

MDR4/MDR7/MDRT7/MDR10/MDR31/MDRT31

마이크로 드릴

Micro Drill

파삭재	탄소강 · 합금강 · 공구강(Steel)						스테인레스강(Stainless Steel)			
	탄소강 SS S50C		합금강 SCM SKS		조절강 NAK SKD (HRC30~38)		SUS304 등 오스테나이트계 SUS304/316 Austenitic		마르텐사이트 페라이트계 SUS420/430 Martensitic & Ferritic	
선단경	회전수 (min)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)
φ0.1~ 0.29	19,000~ 13,000	0.002~ 0.01	16,000~ 10,000	0.0014~ 0.007	13,000~ 8,800	0.001~ 0.004	10,000~ 5,000	0.005~ 0.001	13,000~ 8,800	0.0005~ 0.001
φ0.3~ 0.49	13,000~ 12,000	0.01~ 0.02	11,000~ 9,700	0.007~ 0.01	8,800~ 6,500	0.003~ 0.005	5,000~ 4,500	0.001~ 0.005	8,800~ 6,500	0.001~ 0.005
φ0.5~ 0.99	12,000~ 9,600	0.02~ 0.04	9,700~ 6,400	0.01~ 0.02	6,500~ 4,800	0.005~ 0.01	4,500~ 3,200	0.005~ 0.01	6,500~ 4,800	0.005~ 0.01
φ1.0~ 1.99	9,600~ 6,400	0.03~ 0.06	6,400~ 4,000	0.02~ 0.05	4,800~ 2,400	0.01~ 0.03	3,200~ 2,400	0.01~ 0.03	4,800~ 3,200	0.01~ 0.03
φ2.0~ 3.0	6,400~ 4,200	0.07~ 0.10	4,000~ 3,200	0.05~ 0.08	2,400~ 1,600	0.02~ 0.04	2,400~ 1,800	0.03~ 0.05	3,200~ 2,100	0.03~ 0.05

스텝 이송량 (Step Feed)

φ 0.02 ~ φ0.49 : 드릴 직경 × 10% (0.1D)

φ 0.5 ~ φ1.0 : 드릴 직경 × 20% (0.2D)

φ 1.0 이상 : 드릴 직경 × 25% ~ 50% (0.25D ~ 0.5D)

절삭조건 참고사항

1. 미세 홀, 특히 φ1.0 이하의 가공 시에는 센터홀 (가이드 홀) 가공 후 작업해 주십시오.
2. 척킹 시 드릴 런아웃(Nunout)은 0.003 mm 이하로 유지해 주십시오.
3. 사용 장비의 최고 회전수가 위 절삭조건에 도달 하지 못하는 경우, 가능한 한 안정적인 고회전 영역에서 사용 하십시오.
이 경우 이송량도 동일 비율로 줄여 주십시오.
4. φ0.5 이하의 드릴 사용 시에는 절삭조건보다 스펀들의 안정적인 회전 정밀도를 우선해 주십시오.

Remarks:

1. When drilling smaller hile, especially under φ 1.0mm, the guide hole (positioning by starting drill) is necessary.
2. The run out with a drill in a spindle should be minimized to less than 0.003mm.
3. When machines can not achieve a recommended rotation speed, please set maximum speed but in stable rotation range and adjust the feed rate.
4. For smaller drills under φ0.5, the most stable rotation speed of actually using spindle has higher priority than recommended conditions shown in the table.

파삭재	비철금속(Non-Ferrous)				수지(Resin)	
	알루미늄 합금 Aluminium Alloy		동 합금 Copper Alloy		엔지니어링 플라스틱 Engineering Plsdtic	
선단경	회전수 (min)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)
φ0.1~ 0.29	22,000~ 16,500	0.005~ 0.02	16,000~ 11,000	0.002~ 0.008	20,000~ 15,000	0.005~ 0.01
φ0.3~ 0.49	16,500~ 13,000	0.02~ 0.04	11,000~ 11,500	0.008~ 0.015	15,000~	0.01~ 0.02
φ0.5~ 0.99	13,000~ 12,700	0.04~ 0.06	11,500~ 9,600	0.015~ 0.04	15,000~ 10,000	0.02~ 0.04
φ1.0~ 1.99	12,700~ 6,400	0.06~ 0.12	9,600~ 4,800	0.04~ 0.08	10,000~ 6,000	0.05~ 0.07
φ2.0~ 3.0	6,400~ 5,300	0.12~ 0.20	4,800~ 4,200	0.08~ 0.15	6,000~ 5,000	0.07~ 0.10

SSD 초경드릴

SSD Solid Drill Standard, Straight Shank

SDL 스탠다드 롱드릴

SDL Standard Long Drill, Straight Shank

SDL45 세미 롱드릴

SDL45 Semi Long Drill, Straight Shank

SDL50 롱드릴

SDL50 Long Drill, Straight Shank

파삭재	탄소강 SS S50C		합금강 SCM SKS		조절강 NAK SKD (HRC30~38)		주철 FC25		SUS304 등 오스테나이트계 SUS304/316 Austenitic	
	선단경	회전수 (min)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)
φ0.6~ 1.0	10,000~ 9,500	0.01~ 0.02	8,000~ 6,400	0.007~ 0.015	6,400~ 4,800	0.003~ 0.01	10,000~ 9,500	0.01~ 0.04	5,300~ 4,800	0.001~ 0.005
φ1.1~ 2.0	7,200~ 6,400	0.02~ 0.06	5,800~ 3,200	0.01~ 0.02	4,400~ 3,200	0.01~ 0.015	8,700~ 7,200	0.06~ 0.15	4,800~ 3,200	0.005~ 0.02
φ2.1~ 2.9	6,100~ 4,400	0.06~ 0.08	3,000~ 2,800	0.02~ 0.04	3,000~ 2,800	0.015~ 0.02	6,800~ 4,900	0.06~ 0.15	3,000~ 2,200	0.02~ 0.03
φ3.0~ 5.0	4,300~ 2,600	0.08~ 0.10	2,700~ 2,000	0.04~ 0.08	2,700~ 1,900	0.02~ 0.04	4,800~ 3,200	0.10~ 0.20	2,100~ 1,300	0.03~ 0.05
φ6.0~ 8.0	2,200~ 1,900	0.10~ 0.12	1,600~ 1,400	0.05~ 0.10	1,600~ 1,400	0.02~ 0.06	2,600~ 2,000	0.15~ 0.25	1,100~ 800	0.05~ 0.10
φ9.0~ 13.0	1,000~ 1,200	0.10~ 0.12	1,300~ 1,000	0.05~ 0.10	1,200~ 900	0.04~ 0.08	1,800~ 1,500	0.20~ 0.40	700~ 500	0.05~ 0.10

절삭조건 참고사항

1. 절삭 조건은 당사 권장 조건표의 낮은 값부터 선정하여, 점차 높은 값으로 조정하면서 최적 조건으로 사용해 주십시오.
2. 공구의 돌출 길이는 가능한 한 짧게 하여 사용해 주십시오.
3. 사용 중인 기계의 최고 회전수가 위 권장 절삭 조건에 도달하지 못하는 경우에는, 가능한 안정적인 범위 내에서 높은 회전수로 사용하고 이송 속도를 조정해 주십시오.

Remarks:

1. It is generally recommended to start with the lowest speed and feed shown in the table.
They may be gradually increased to higher points to obtain the fittest condition.
2. Overhanging length of the tool from the chuck should be minimized.
3. When machines can not achieve a recommended rotation speed,
use the maximum speed but in stable rotation range and adjust the feed rate.

SDL60 엑스트라 롱드릴

SDL60 Extra Long Drill, Straight Shank

SDL70 슈퍼 롱드릴

SDL70 Super Long Drill, Straight Shank

파삭재	탄소강 SS S50C		합금강 SCM SKS		조절강 NAK SKD (HRC30~38)		주철 FC25		스테인레스강 SUS303, 420	
	회전수 (min)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)	회전수 (mn)	이송량 (mm/rev)
선단경										
φ0.6~1.0	10,000~9,500	0.01~0.02	8,000~6,400	0.007~0.015	6,400~4,800	0.003~0.01	10,000~9,500	0.01~0.04	4,800~3,800	0.001~0.005
φ1.1~2.0	7,200~6,400	0.02~0.06	5,800~3,200	0.01~0.02	4,400~3,200	0.01~0.015	8,700~7,200	0.06~0.15	4,300~3,200	0.005~0.02
φ2.1~2.9	6,100~4,400	0.06~0.08	3,000~2,800	0.02~0.04	3,000~2,800	0.015~0.02	6,800~4,900	0.06~0.15	3,000~2,200	0.01~0.03
φ3.0~5.0	4,300~2,600	0.08~0.10	2,700~2,000	0.04~0.08	2,700~1,900	0.02~0.04	4,800~3,200	0.10~0.20	2,100~1,900	0.03~0.05
φ6.0~8.0	2,200~1,900	0.10~0.12	1,600~1,400	0.05~0.10	1,600~1,400	0.02~0.06	2,600~2,000	0.15~0.25	1,600~1,200	0.05~0.10
φ9.0~13.0	1,600~1,200	0.10~0.12	1,300~1,000	0.05~0.10	1,200~900	0.04~0.08	1,800~1,500	0.20~0.30	1,100~750	0.05~0.10

절삭조건 참고사항

1. 절삭 조건은 최초에는 당사 기재 조건표의 낮은 값부터 선정하고 점차 높은 값으로 조정하여 최적 조건에서 사용해 주십시오.
2. 이 절삭 조건은 드릴 돌출 길이가 날장(기홍)의 1.1배를 기준으로 하고 있습니다.
이 기준보다 더 길게 돌출하여 사용하는 경우에는 회전 속도와 이송 속도를 낮춰 사용해 주십시오.
3. 롱드릴 사용 시에는 절삭 조건을 당사 기준의 낮은 값부터 설정하고, 점차 높은 값으로 조정하여 최적 조건에서 사용해 주십시오.
4. 롱드릴 사용 시에는 보다 안정적이고 정밀한 홀 가공을 위해 부시(Bush) 사용을 권장 합니다.

Remarks:

1. It is generally recommended to start with the lowest speed and feed shown in the table.
They may be gradually increased to higher points to obtain the fittest condition.
2. This drilling conditions are based on the tool extension length being 1.1 times the flute length.
When the extension length from the chuck is longer than 1.1 times of flute length, please reduce the above value for speed and feed appropriately.
3. When a long drill used, you are requested to start with the lowest speed and feed shown in the table.
They may be gradually increased to higher points to obtain the fittest condition.
4. It is recommended to use the drill bush for stable and preciser drilling holes.