

※特定代理店商品

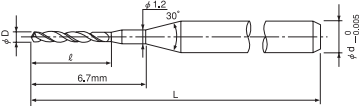


UMD-TY

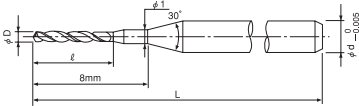
ノンコート超硬ドリル



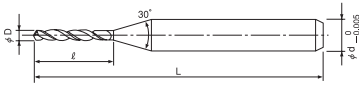
■ $\phi 0.1 \sim \phi 0.25$



■ $\phi 0.26 \sim \phi 0.65$



■ $\phi 0.66 \sim \phi 3$



- ・先端角：120°
- ・サイズ及び公差によって図のような形状にならない場合があります。
- ・ $\phi 3$ は、ストレートタイプ



炭素鋼 S45C S50C	合金鋼 SK SCM	プリハードン鋼 NAK HPM	焼入れ鋼			鋳鉄	アルミ合金	グラファイト	銅	樹脂	ガラス入り樹脂	チタン合金	超耐熱合金	超硬合金	硬脆材
			～ 55HRC	～ 60HRC	～ 70HRC										
○							◎			◎					

単位：mm

TYコード	型番	直径	溝長	全長	シャンク径
		ϕD	ℓ	L	ϕd
UN00001	UMD-TY 0010	0.1	1.2	38	3
UN00002	UMD-TY 0011	0.11	1.2	38	3
UN00003	UMD-TY 0012	0.12	1.4	38	3
UN00004	UMD-TY 0013	0.13	1.4	38	3
UN00005	UMD-TY 0014	0.14	1.4	38	3
UN00006	UMD-TY 0015	0.15	2	38	3
UN00007	UMD-TY 0016	0.16	2	38	3
UN00008	UMD-TY 0017	0.17	2	38	3
UN00009	UMD-TY 0018	0.18	2	38	3
UN00010	UMD-TY 0019	0.19	2	38	3
UN00011	UMD-TY 0020	0.2	2.5	38	3
UN00012	UMD-TY 0021	0.21	2.5	38	3
UN00013	UMD-TY 0022	0.22	2.5	38	3
UN00014	UMD-TY 0023	0.23	2.5	38	3
UN00015	UMD-TY 0024	0.24	2.5	38	3
UN00016	UMD-TY 0025	0.25	3	38	3
UN00017	UMD-TY 0026	0.26	3	38	3
UN00018	UMD-TY 0027	0.27	3	38	3
UN00019	UMD-TY 0028	0.28	3	38	3
UN00020	UMD-TY 0029	0.29	3	38	3
UN00021	UMD-TY 0030	0.3	5	38	3
UN00022	UMD-TY 0031	0.31	5	38	3
UN00023	UMD-TY 0032	0.32	5	38	3
UN00024	UMD-TY 0033	0.33	5	38	3
UN00025	UMD-TY 0034	0.34	5	38	3
UN00026	UMD-TY 0035	0.35	6	38	3
UN00027	UMD-TY 0036	0.36	6	38	3
UN00028	UMD-TY 0037	0.37	6	38	3
UN00029	UMD-TY 0038	0.38	6	38	3
UN00030	UMD-TY 0039	0.39	6	38	3
UN00031	UMD-TY 0040	0.4	7	38	3
UN00032	UMD-TY 0041	0.41	7	38	3
UN00033	UMD-TY 0042	0.42	7	38	3
UN00034	UMD-TY 0043	0.43	7	38	3
UN00035	UMD-TY 0044	0.44	7	38	3
UN00036	UMD-TY 0045	0.45	7	38	3
UN00037	UMD-TY 0046	0.46	7	38	3
UN00038	UMD-TY 0047	0.47	7	38	3
UN00039	UMD-TY 0048	0.48	7	38	3
UN00040	UMD-TY 0049	0.49	7	38	3
UN00041	UMD-TY 0050	0.5	7	38	3
UN00042	UMD-TY 0051	0.51	7	38	3
UN00043	UMD-TY 0052	0.52	7	38	3
UN00044	UMD-TY 0053	0.53	7	38	3
UN00045	UMD-TY 0054	0.54	7	38	3

TYコード	型番	直径	溝長	全長	シャンク径
		ϕD	ℓ	L	ϕd
UN00046	UMD-TY 0055	0.55	7	38	3
UN00047	UMD-TY 0056	0.56	7	38	3
UN00048	UMD-TY 0057	0.57	7	38	3
UN00049	UMD-TY 0058	0.58	7	38	3
UN00050	UMD-TY 0059	0.59	7	38	3
UN00051	UMD-TY 0060	0.6	7	38	3
UN00052	UMD-TY 0061	0.61	7	38	3
UN00053	UMD-TY 0062	0.62	7	38	3
UN00054	UMD-TY 0063	0.63	7	38	3
UN00055	UMD-TY 0064	0.64	7	38	3
UN00056	UMD-TY 0065	0.65	7	38	3
UN00057	UMD-TY 0066	0.66	7	38	3
UN00058	UMD-TY 0067	0.67	7	38	3
UN00059	UMD-TY 0068	0.68	7	38	3
UN00060	UMD-TY 0069	0.69	7	38	3
UN00061	UMD-TY 0070	0.7	8	38	3
UN00062	UMD-TY 0071	0.71	8	38	3
UN00063	UMD-TY 0072	0.72	8	38	3
UN00064	UMD-TY 0073	0.73	8	38	3
UN00065	UMD-TY 0074	0.74	8	38	3
UN00066	UMD-TY 0075	0.75	8	38	3
UN00067	UMD-TY 0076	0.76	8	38	3
UN00068	UMD-TY 0077	0.77	8	38	3
UN00069	UMD-TY 0078	0.78	8	38	3
UN00070	UMD-TY 0079	0.79	8	38	3
UN00071	UMD-TY 0080	0.8	10	38	3
UN00072	UMD-TY 0081	0.81	10	38	3
UN00073	UMD-TY 0082	0.82	10	38	3
UN00074	UMD-TY 0083	0.83	10	38	3
UN00075	UMD-TY 0084	0.84	10	38	3
UN00076	UMD-TY 0085	0.85	10	38	3
UN00077	UMD-TY 0086	0.86	10	38	3
UN00078	UMD-TY 0087	0.87	10	38	3
UN00079	UMD-TY 0088	0.88	10	38	3
UN00080	UMD-TY 0089	0.89	10	38	3
UN00081	UMD-TY 0090	0.9	10	38	3
UN00082	UMD-TY 0091	0.91	10	38	3
UN00083	UMD-TY 0092	0.92	10	38	3
UN00084	UMD-TY 0093	0.93	10	38	3
UN00085	UMD-TY 0094	0.94	10	38	3
UN00086	UMD-TY 0095	0.95	10	38	3
UN00087	UMD-TY 0096	0.96	10	38	3
UN00088	UMD-TY 0097	0.97	10	38	3
UN00089	UMD-TY 0098	0.98	10	38	3
UN00090	UMD-TY 0099	0.99	10	38	3

次ページへ▶

◀前ページより

単位 : mm

TYコード	型番	直径	溝長	全長	シャンク径
		φD	ℓ	L	φd
UN00091	UMD-TY 0100	1	10	38	3
UN00092	UMD-TY 0101	1.01	10	38	3
UN00093	UMD-TY 0102	1.02	10	38	3
UN00094	UMD-TY 0103	1.03	10	38	3
UN00095	UMD-TY 0104	1.04	10	38	3
UN00096	UMD-TY 0105	1.05	10	38	3
UN00097	UMD-TY 0106	1.06	10	38	3
UN00098	UMD-TY 0107	1.07	10	38	3
UN00099	UMD-TY 0108	1.08	10	38	3
UN00100	UMD-TY 0109	1.09	10	38	3
UN00101	UMD-TY 0110	1.1	10	38	3
UN00102	UMD-TY 0111	1.11	10	38	3
UN00103	UMD-TY 0112	1.12	10	38	3
UN00104	UMD-TY 0113	1.13	10	38	3
UN00105	UMD-TY 0114	1.14	10	38	3
UN00106	UMD-TY 0115	1.15	10	38	3
UN00107	UMD-TY 0116	1.16	10	38	3
UN00108	UMD-TY 0117	1.17	10	38	3
UN00109	UMD-TY 0118	1.18	10	38	3
UN00110	UMD-TY 0119	1.19	10	38	3
UN00111	UMD-TY 0120	1.2	10	38	3
UN00112	UMD-TY 0121	1.21	10	38	3
UN00113	UMD-TY 0122	1.22	10	38	3
UN00114	UMD-TY 0123	1.23	10	38	3
UN00115	UMD-TY 0124	1.24	10	38	3
UN00116	UMD-TY 0125	1.25	10	38	3
UN00117	UMD-TY 0126	1.26	10	38	3
UN00118	UMD-TY 0127	1.27	10	38	3
UN00119	UMD-TY 0128	1.28	10	38	3
UN00120	UMD-TY 0129	1.29	10	38	3
UN00121	UMD-TY 0130	1.3	10	38	3
UN00122	UMD-TY 0131	1.31	10	38	3
UN00123	UMD-TY 0132	1.32	10	38	3
UN00124	UMD-TY 0133	1.33	10	38	3
UN00125	UMD-TY 0134	1.34	10	38	3
UN00126	UMD-TY 0135	1.35	10	38	3
UN00127	UMD-TY 0136	1.36	10	38	3
UN00128	UMD-TY 0137	1.37	10	38	3
UN00129	UMD-TY 0138	1.38	10	38	3
UN00130	UMD-TY 0139	1.39	10	38	3
UN00131	UMD-TY 0140	1.4	10	38	3
UN00132	UMD-TY 0141	1.41	10	38	3
UN00133	UMD-TY 0142	1.42	10	38	3
UN00134	UMD-TY 0143	1.43	10	38	3
UN00135	UMD-TY 0144	1.44	10	38	3
UN00136	UMD-TY 0145	1.45	10	38	3
UN00137	UMD-TY 0146	1.46	10	38	3
UN00138	UMD-TY 0147	1.47	10	38	3
UN00139	UMD-TY 0148	1.48	10	38	3
UN00140	UMD-TY 0149	1.49	10	38	3
UN00141	UMD-TY 0150	1.5	10	38	3
UN00142	UMD-TY 0151	1.51	10	38	3
UN00143	UMD-TY 0152	1.52	10	38	3
UN00144	UMD-TY 0153	1.53	10	38	3
UN00145	UMD-TY 0154	1.54	10	38	3
UN00146	UMD-TY 0155	1.55	10	38	3
UN00147	UMD-TY 0156	1.56	10	38	3
UN00148	UMD-TY 0157	1.57	10	38	3
UN00149	UMD-TY 0158	1.58	10	38	3
UN00150	UMD-TY 0159	1.59	10	38	3
UN00151	UMD-TY 0160	1.6	12	38	3
UN00152	UMD-TY 0161	1.61	12	38	3

TYコード	型番	直径	溝長	全長	シャンク径
		φD	ℓ	L	φd
UN00153	UMD-TY 0162	1.62	12	38	3
UN00154	UMD-TY 0163	1.63	12	38	3
UN00155	UMD-TY 0164	1.64	12	38	3
UN00156	UMD-TY 0165	1.65	12	38	3
UN00157	UMD-TY 0166	1.66	12	38	3
UN00158	UMD-TY 0167	1.67	12	38	3
UN00159	UMD-TY 0168	1.68	12	38	3
UN00160	UMD-TY 0169	1.69	12	38	3
UN00161	UMD-TY 0170	1.7	12	38	3
UN00162	UMD-TY 0171	1.71	12	38	3
UN00163	UMD-TY 0172	1.72	12	38	3
UN00164	UMD-TY 0173	1.73	12	38	3
UN00165	UMD-TY 0174	1.74	12	38	3
UN00166	UMD-TY 0175	1.75	12	38	3
UN00167	UMD-TY 0176	1.76	12	38	3
UN00168	UMD-TY 0177	1.77	12	38	3
UN00169	UMD-TY 0178	1.78	12	38	3
UN00170	UMD-TY 0179	1.79	12	38	3
UN00171	UMD-TY 0180	1.8	12	38	3
UN00172	UMD-TY 0181	1.81	12	38	3
UN00173	UMD-TY 0182	1.82	12	38	3
UN00174	UMD-TY 0183	1.83	12	38	3
UN00175	UMD-TY 0184	1.84	12	38	3
UN00176	UMD-TY 0185	1.85	12	38	3
UN00177	UMD-TY 0186	1.86	12	38	3
UN00178	UMD-TY 0187	1.87	12	38	3
UN00179	UMD-TY 0188	1.88	12	38	3
UN00180	UMD-TY 0189	1.89	12	38	3
UN00181	UMD-TY 0190	1.9	12	38	3
UN00182	UMD-TY 0191	1.91	12	38	3
UN00183	UMD-TY 0192	1.92	12	38	3
UN00184	UMD-TY 0193	1.93	12	38	3
UN00185	UMD-TY 0194	1.94	12	38	3
UN00186	UMD-TY 0195	1.95	12	38	3
UN00187	UMD-TY 0196	1.96	12	38	3
UN00188	UMD-TY 0197	1.97	12	38	3
UN00189	UMD-TY 0198	1.98	12	38	3
UN00190	UMD-TY 0199	1.99	12	38	3
UN00191	UMD-TY 0200	2	12	38	3
UN00192	UMD-TY 0201	2.01	12	38	3
UN00193	UMD-TY 0202	2.02	12	38	3
UN00194	UMD-TY 0203	2.03	12	38	3
UN00195	UMD-TY 0204	2.04	12	38	3
UN00196	UMD-TY 0205	2.05	12	38	3
UN00197	UMD-TY 0206	2.06	12	38	3
UN00198	UMD-TY 0207	2.07	12	38	3
UN00199	UMD-TY 0208	2.08	12	38	3
UN00200	UMD-TY 0209	2.09	12	38	3
UN00201	UMD-TY 0210	2.1	12	38	3
UN00202	UMD-TY 0211	2.11	12	38	3
UN00203	UMD-TY 0212	2.12	12	38	3
UN00204	UMD-TY 0213	2.13	12	38	3
UN00205	UMD-TY 0214	2.14	12	38	3
UN00206	UMD-TY 0215	2.15	12	38	3
UN00207	UMD-TY 0216	2.16	12	38	3
UN00208	UMD-TY 0217	2.17	12	38	3
UN00209	UMD-TY 0218	2.18	12	38	3
UN00210	UMD-TY 0219	2.19	12	38	3
UN00211	UMD-TY 0220	2.2	12	38	3
UN00212	UMD-TY 0221	2.21	12	38	3
UN00213	UMD-TY 0222	2.22	12	38	3
UN00214	UMD-TY 0223	2.23	12	38	3

次ページへ▶

◀前ページより

単位：mm

TYコード	型番	直径	溝長	全長	シャンク径
		φD	ℓ	L	φd
UN00215	UMD-TY 0224	2.24	12	38	3
UN00216	UMD-TY 0225	2.25	12	38	3
UN00217	UMD-TY 0226	2.26	12	38	3
UN00218	UMD-TY 0227	2.27	12	38	3
UN00219	UMD-TY 0228	2.28	12	38	3
UN00220	UMD-TY 0229	2.29	12	38	3
UN00221	UMD-TY 0230	2.3	12	38	3
UN00222	UMD-TY 0231	2.31	12	38	3
UN00223	UMD-TY 0232	2.32	12	38	3
UN00224	UMD-TY 0233	2.33	12	38	3
UN00225	UMD-TY 0234	2.34	12	38	3
UN00226	UMD-TY 0235	2.35	12	38	3
UN00227	UMD-TY 0236	2.36	12	38	3
UN00228	UMD-TY 0237	2.37	12	38	3
UN00229	UMD-TY 0238	2.38	12	38	3
UN00230	UMD-TY 0239	2.39	12	38	3
UN00231	UMD-TY 0240	2.4	12	38	3
UN00232	UMD-TY 0241	2.41	12	38	3
UN00233	UMD-TY 0242	2.42	12	38	3
UN00234	UMD-TY 0243	2.43	12	38	3
UN00235	UMD-TY 0244	2.44	12	38	3
UN00236	UMD-TY 0245	2.45	12	38	3
UN00237	UMD-TY 0246	2.46	12	38	3
UN00238	UMD-TY 0247	2.47	12	38	3
UN00239	UMD-TY 0248	2.48	12	38	3
UN00240	UMD-TY 0249	2.49	12	38	3
UN00241	UMD-TY 0250	2.5	12	38	3
UN00242	UMD-TY 0251	2.51	12	38	3
UN00243	UMD-TY 0252	2.52	12	38	3
UN00244	UMD-TY 0253	2.53	12	38	3
UN00245	UMD-TY 0254	2.54	12	38	3
UN00246	UMD-TY 0255	2.55	12	38	3
UN00247	UMD-TY 0256	2.56	12	38	3
UN00248	UMD-TY 0257	2.57	12	38	3
UN00249	UMD-TY 0258	2.58	12	38	3
UN00250	UMD-TY 0259	2.59	12	38	3
UN00251	UMD-TY 0260	2.6	12	38	3
UN00252	UMD-TY 0261	2.61	12	38	3
UN00253	UMD-TY 0262	2.62	12	38	3

TYコード	型番	直径	溝長	全長	シャンク径
		φD	ℓ	L	φd
UN00254	UMD-TY 0263	2.63	12	38	3
UN00255	UMD-TY 0264	2.64	12	38	3
UN00256	UMD-TY 0265	2.65	12	38	3
UN00257	UMD-TY 0266	2.66	12	38	3
UN00258	UMD-TY 0267	2.67	12	38	3
UN00259	UMD-TY 0268	2.68	12	38	3
UN00260	UMD-TY 0269	2.69	12	38	3
UN00261	UMD-TY 0270	2.7	12	38	3
UN00262	UMD-TY 0271	2.71	12	38	3
UN00263	UMD-TY 0272	2.72	12	38	3
UN00264	UMD-TY 0273	2.73	12	38	3
UN00265	UMD-TY 0274	2.74	12	38	3
UN00266	UMD-TY 0275	2.75	12	38	3
UN00267	UMD-TY 0276	2.76	12	38	3
UN00268	UMD-TY 0277	2.77	12	38	3
UN00269	UMD-TY 0278	2.78	12	38	3
UN00270	UMD-TY 0279	2.79	12	38	3
UN00271	UMD-TY 0280	2.8	12	38	3
UN00272	UMD-TY 0281	2.81	12	38	3
UN00273	UMD-TY 0282	2.82	12	38	3
UN00274	UMD-TY 0283	2.83	12	38	3
UN00275	UMD-TY 0284	2.84	12	38	3
UN00276	UMD-TY 0285	2.85	12	38	3
UN00277	UMD-TY 0286	2.86	12	38	3
UN00278	UMD-TY 0287	2.87	12	38	3
UN00279	UMD-TY 0288	2.88	12	38	3
UN00280	UMD-TY 0289	2.89	12	38	3
UN00281	UMD-TY 0290	2.9	12	38	3
UN00282	UMD-TY 0291	2.91	12	38	3
UN00283	UMD-TY 0292	2.92	12	38	3
UN00284	UMD-TY 0293	2.93	12	38	3
UN00285	UMD-TY 0294	2.94	12	38	3
UN00286	UMD-TY 0295	2.95	12	38	3
UN00287	UMD-TY 0296	2.96	12	38	3
UN00288	UMD-TY 0297	2.97	12	38	3
UN00289	UMD-TY 0298	2.98	12	38	3
UN00290	UMD-TY 0299	2.99	12	38	3
UN00291	UMD-TY 0300	3	12	38	3

UMD-TY 切削条件表

被削材	炭素鋼 S45C/S50C		アルミ合金 A5052 等		樹脂 ポリカーボネート等	
	直径 (D) (mm)	回転速度 (min-1)	送り速度 (mm/min)	回転速度 (min-1)	送り速度 (mm/min)	送り速度 (mm/min)
0.3		20,000	40	20,000	320	320
0.4		17,400	50	20,000	550	550
0.5		15,900	80	20,000	800	800
0.6		14,100	80	19,900	880	880
0.7		12,800	90	19,900	950	950
0.8		11,900	100	19,900	1,000	1,000
0.9		10,500	100	17,600	1,020	1,020
1		9,500	100	15,900	1,080	1,080
2		5,600	170	9,500	820	820
3		3,700	150	6,400	550	550

【備考】 ステップ量：アルミ合金，樹脂 0.2D～0.5D。 その他 0.1D～0.2D。