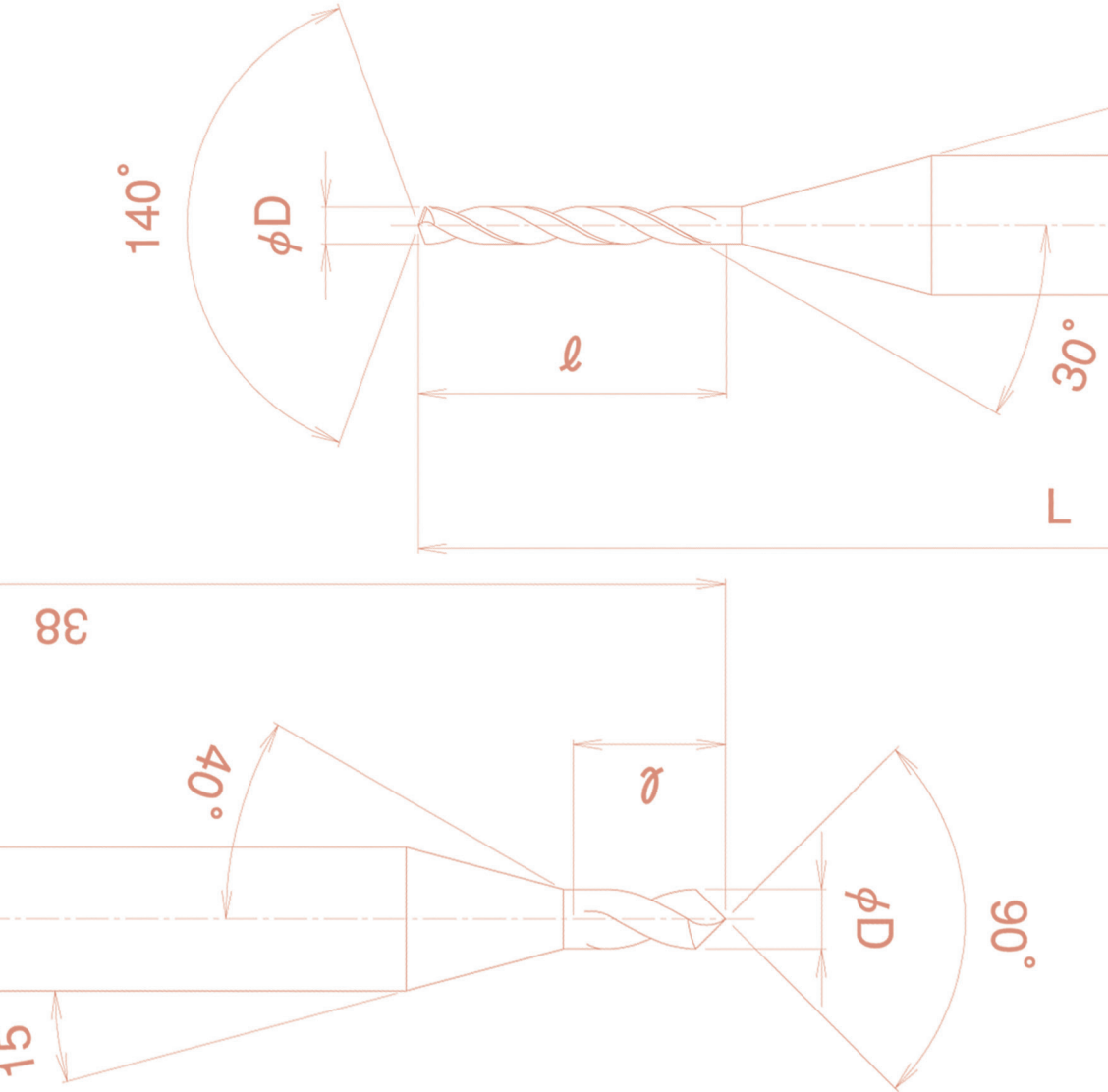
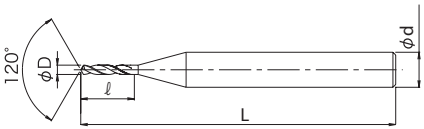


Products

Short, Uncoated, For Non-Ferrous

ADRS

MICRO GRAIN | 120° | 30° | Short Flute | SHANK 3mm



ØD Tolerance:
+0 / -0.005 mm (0.1≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-0010	0.10	0.0039	0.6	0.024	38	3	●
ADRS-0011	0.11	0.0043	0.6	0.024	38	3	●
ADRS-0012	0.12	0.0047	0.6	0.024	38	3	●
ADRS-0013	0.13	0.0051	0.6	0.024	38	3	●
ADRS-0014	0.14	0.0055	0.6	0.024	38	3	●
ADRS-0015	0.15	0.0059	0.8	0.031	38	3	●
ADRS-0016	0.16	0.0063	0.8	0.031	38	3	●
ADRS-0017	0.17	0.0067	0.8	0.031	38	3	●
ADRS-0018	0.18	0.0071	1.0	0.039	38	3	●
ADRS-0019	0.19	0.0075	1.0	0.039	38	3	●
ADRS-0020	0.20	0.0079	1.0	0.039	38	3	●
ADRS-0021	0.21	0.0083	1.0	0.039	38	3	●
ADRS-0022	0.22	0.0087	1.2	0.047	38	3	●
ADRS-0023	0.23	0.0091	1.2	0.047	38	3	●
ADRS-0024	0.24	0.0094	1.2	0.047	38	3	●
ADRS-0025	0.25	0.0098	1.5	0.059	38	3	●
ADRS-0026	0.26	0.0102	1.5	0.059	38	3	●
ADRS-0027	0.27	0.0106	1.5	0.059	38	3	●
ADRS-0028	0.28	0.0110	1.5	0.059	38	3	●
ADRS-0029	0.29	0.0114	1.5	0.059	38	3	●
ADRS-0030	0.30	0.0118	2.5	0.098	38	3	●
ADRS-0031	0.31	0.0122	2.5	0.098	38	3	●
ADRS-0032	0.32	0.0126	2.5	0.098	38	3	●
ADRS-0033	0.33	0.0130	2.5	0.098	38	3	●
ADRS-0034	0.34	0.0134	2.5	0.098	38	3	●
ADRS-0035	0.35	0.0138	2.5	0.098	38	3	●
ADRS-0036	0.36	0.0142	2.5	0.098	38	3	●
ADRS-0037	0.37	0.0146	2.5	0.098	38	3	●
ADRS-0038	0.38	0.0150	2.5	0.098	38	3	●
ADRS-0039	0.39	0.0154	2.5	0.098	38	3	●
ADRS-0040	0.40	0.0157	3	0.118	38	3	●
ADRS-0041	0.41	0.0161	3	0.118	38	3	●
ADRS-0042	0.42	0.0165	3	0.118	38	3	●
ADRS-0043	0.43	0.0169	3	0.118	38	3	●
ADRS-0044	0.44	0.0173	3	0.118	38	3	●
ADRS-0045	0.45	0.0177	3	0.118	38	3	●
ADRS-0046	0.46	0.0181	3	0.118	38	3	●
ADRS-0047	0.47	0.0185	3	0.118	38	3	●
ADRS-0048	0.48	0.0189	3	0.118	38	3	●
ADRS-0049	0.49	0.0193	3	0.118	38	3	●
ADRS-0050	0.50	0.0197	3	0.118	38	3	●
ADRS-0051	0.51	0.0201	3	0.118	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-0052	0.52	0.0205	3	0.118	38	3	●
ADRS-0053	0.53	0.0209	3	0.118	38	3	●
ADRS-0054	0.54	0.0213	3	0.118	38	3	●
ADRS-0055	0.55	0.0217	3	0.118	38	3	●
ADRS-0056	0.56	0.0220	3	0.118	38	3	●
ADRS-0057	0.57	0.0224	3	0.118	38	3	●
ADRS-0058	0.58	0.0228	3	0.118	38	3	●
ADRS-0059	0.59	0.0232	3	0.118	38	3	●
ADRS-0060	0.60	0.0236	3	0.118	38	3	●
ADRS-0061	0.61	0.0240	3	0.118	38	3	●
ADRS-0062	0.62	0.0244	3	0.118	38	3	●
ADRS-0063	0.63	0.0248	3	0.118	38	3	●
ADRS-0064	0.64	0.0252	3	0.118	38	3	●
ADRS-0065	0.65	0.0256	3	0.118	38	3	●
ADRS-0066	0.66	0.0260	3	0.118	38	3	●
ADRS-0067	0.67	0.0264	3	0.118	38	3	●
ADRS-0068	0.68	0.0268	3	0.118	38	3	●
ADRS-0069	0.69	0.0272	3	0.118	38	3	●
ADRS-0070	0.70	0.0276	4	0.157	38	3	●
ADRS-0071	0.71	0.0280	4	0.157	38	3	●
ADRS-0072	0.72	0.0283	4	0.157	38	3	●
ADRS-0073	0.73	0.0287	4	0.157	38	3	●
ADRS-0074	0.74	0.0291	4	0.157	38	3	●
ADRS-0075	0.75	0.0295	4	0.157	38	3	●
ADRS-0076	0.76	0.0299	4	0.157	38	3	●
ADRS-0077	0.77	0.0303	4	0.157	38	3	●
ADRS-0078	0.78	0.0307	4	0.157	38	3	●
ADRS-0079	0.79	0.0311	4	0.157	38	3	●
ADRS-0080	0.80	0.0315	4	0.157	38	3	●
ADRS-0081	0.81	0.0319	4	0.157	38	3	●
ADRS-0082	0.82	0.0323	4	0.157	38	3	●
ADRS-0083	0.83	0.0327	4	0.157	38	3	●
ADRS-0084	0.84	0.0331	4	0.157	38	3	●
ADRS-0085	0.85	0.0335	4	0.157	38	3	●
ADRS-0086	0.86	0.0339	4	0.157	38	3	●
ADRS-0087	0.87	0.0343	4	0.157	38	3	●
ADRS-0088	0.88	0.0346	4	0.157	38	3	●
ADRS-0089	0.89	0.0350	4	0.157	38	3	●
ADRS-0090	0.90	0.0354	4	0.157	38	3	●
ADRS-0091	0.91	0.0358	4	0.157	38	3	●
ADRS-0092	0.92	0.0362	4	0.157	38	3	●
ADRS-0093	0.93	0.0366	4	0.157	38	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
△	△	△	△	△	◎	◎		△	△	◎

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-0094	0.94	0.0370	4	0.157	38	3	●
ADRS-0095	0.95	0.0374	4	0.157	38	3	●
ADRS-0096	0.96	0.0378	4	0.157	38	3	●
ADRS-0097	0.97	0.0382	4	0.157	38	3	●
ADRS-0098	0.98	0.0386	4	0.157	38	3	●
ADRS-0099	0.99	0.0390	4	0.157	38	3	●
ADRS-0100	1.00	0.0394	5	0.197	38	3	●
ADRS-0101	1.01	0.0398	5	0.197	38	3	●
ADRS-0102	1.02	0.0402	5	0.197	38	3	●
ADRS-0103	1.03	0.0406	5	0.197	38	3	●
ADRS-0104	1.04	0.0409	5	0.197	38	3	●
ADRS-0105	1.05	0.0413	5	0.197	38	3	●
ADRS-0106	1.06	0.0417	5	0.197	38	3	●
ADRS-0107	1.07	0.0421	5	0.197	38	3	●
ADRS-0108	1.08	0.0425	5	0.197	38	3	●
ADRS-0109	1.09	0.0429	5	0.197	38	3	●
ADRS-0110	1.10	0.0433	5	0.197	38	3	●
ADRS-0111	1.11	0.0437	5	0.197	38	3	●
ADRS-0112	1.12	0.0441	5	0.197	38	3	●
ADRS-0113	1.13	0.0445	5	0.197	38	3	●
ADRS-0114	1.14	0.0449	5	0.197	38	3	●
ADRS-0115	1.15	0.0453	5	0.197	38	3	●
ADRS-0116	1.16	0.0457	5	0.197	38	3	●
ADRS-0117	1.17	0.0461	5	0.197	38	3	●
ADRS-0118	1.18	0.0465	5	0.197	38	3	●
ADRS-0119	1.19	0.0469	5	0.197	38	3	●
ADRS-0120	1.20	0.0472	5	0.197	38	3	●
ADRS-0121	1.21	0.0476	5	0.197	38	3	●
ADRS-0122	1.22	0.0480	5	0.197	38	3	●
ADRS-0123	1.23	0.0484	5	0.197	38	3	●
ADRS-0124	1.24	0.0488	5	0.197	38	3	●
ADRS-0125	1.25	0.0492	5	0.197	38	3	●
ADRS-0126	1.26	0.0496	5	0.197	38	3	●
ADRS-0127	1.27	0.0500	5	0.197	38	3	●
ADRS-0128	1.28	0.0504	5	0.197	38	3	●
ADRS-0129	1.29	0.0508	5	0.197	38	3	●
ADRS-0130	1.30	0.0512	5	0.197	38	3	●
ADRS-0131	1.31	0.0516	5	0.197	38	3	●
ADRS-0132	1.32	0.0520	5	0.197	38	3	●
ADRS-0133	1.33	0.0524	5	0.197	38	3	●
ADRS-0134	1.34	0.0528	5	0.197	38	3	●
ADRS-0135	1.35	0.0531	5	0.197	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-0136	1.36	0.0535	5	0.197	38	3	●
ADRS-0137	1.37	0.0539	5	0.197	38	3	●
ADRS-0138	1.38	0.0543	5	0.197	38	3	●
ADRS-0139	1.39	0.0547	5	0.197	38	3	●
ADRS-0140	1.40	0.0551	5	0.197	38	3	●
ADRS-0141	1.41	0.0555	5	0.197	38	3	●
ADRS-0142	1.42	0.0559	5	0.197	38	3	●
ADRS-0143	1.43	0.0563	5	0.197	38	3	●
ADRS-0144	1.44	0.0567	5	0.197	38	3	●
ADRS-0145	1.45	0.0571	5	0.197	38	3	●
ADRS-0146	1.46	0.0575	5	0.197	38	3	●
ADRS-0147	1.47	0.0579	5	0.197	38	3	●
ADRS-0148	1.48	0.0583	5	0.197	38	3	●
ADRS-0149	1.49	0.0587	5	0.197	38	3	●
ADRS-0150	1.50	0.0591	5	0.197	38	3	●
ADRS-0151	1.51	0.0594	5	0.197	38	3	●
ADRS-0152	1.52	0.0598	5	0.197	38	3	●
ADRS-0153	1.53	0.0602	5	0.197	38	3	●
ADRS-0154	1.54	0.0606	5	0.197	38	3	●
ADRS-0155	1.55	0.0610	5	0.197	38	3	●
ADRS-0156	1.56	0.0614	5	0.197	38	3	●
ADRS-0157	1.57	0.0618	5	0.197	38	3	●
ADRS-0158	1.58	0.0622	5	0.197	38	3	●
ADRS-0159	1.59	0.0626	5	0.197	38	3	●
ADRS-0160	1.60	0.0630	10	0.394	38	3	●
ADRS-0161	1.61	0.0634	10	0.394	38	3	●
ADRS-0162	1.62	0.0638	10	0.394	38	3	●
ADRS-0163	1.63	0.0642	10	0.394	38	3	●
ADRS-0164	1.64	0.0646	10	0.394	38	3	●
ADRS-0165	1.65	0.0650	10	0.394	38	3	●
ADRS-0166	1.66	0.0654	10	0.394	38	3	●
ADRS-0167	1.67	0.0657	10	0.394	38	3	●
ADRS-0168	1.68	0.0661	10	0.394	38	3	●
ADRS-0169	1.69	0.0665	10	0.394	38	3	●
ADRS-0170	1.70	0.0669	10	0.394	38	3	●
ADRS-0171	1.71	0.0673	10	0.394	38	3	●
ADRS-0172	1.72	0.0677	10	0.394	38	3	●
ADRS-0173	1.73	0.0681	10	0.394	38	3	●
ADRS-0174	1.74	0.0685	10	0.394	38	3	●
ADRS-0175	1.75	0.0689	10	0.394	38	3	●
ADRS-0176	1.76	0.0693	10	0.394	38	3	●
ADRS-0177	1.77	0.0697	10	0.394	38	3	●

● US Stock Item ○ Japan Stock Item

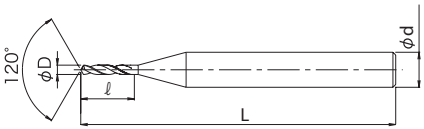
Next Page ▸

Cutting Conditions P.114

Short, Uncoated, For Non-Ferrous

ADRS (Cont.)

MICRO GRAIN | 120° | 30° | Short Flute | SHANK 3mm



ØD Tolerance:
+0 / -0.005 mm (0.1≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-0178	1.78	0.0701	10	0.394	38	3	●
ADRS-0179	1.79	0.0705	10	0.394	38	3	●
ADRS-0180	1.80	0.0709	10	0.394	38	3	●
ADRS-0181	1.81	0.0713	10	0.394	38	3	●
ADRS-0182	1.82	0.0717	10	0.394	38	3	●
ADRS-0183	1.83	0.0720	10	0.394	38	3	●
ADRS-0184	1.84	0.0724	10	0.394	38	3	●
ADRS-0185	1.85	0.0728	10	0.394	38	3	●
ADRS-0186	1.86	0.0732	10	0.394	38	3	●
ADRS-0187	1.87	0.0736	10	0.394	38	3	●
ADRS-0188	1.88	0.0740	10	0.394	38	3	●
ADRS-0189	1.89	0.0744	10	0.394	38	3	●
ADRS-0190	1.90	0.0748	10	0.394	38	3	●
ADRS-0191	1.91	0.0752	10	0.394	38	3	●
ADRS-0192	1.92	0.0756	10	0.394	38	3	●
ADRS-0193	1.93	0.0760	10	0.394	38	3	●
ADRS-0194	1.94	0.0764	10	0.394	38	3	●
ADRS-0195	1.95	0.0768	10	0.394	38	3	●
ADRS-0196	1.96	0.0772	10	0.394	38	3	●
ADRS-0197	1.97	0.0776	10	0.394	38	3	●
ADRS-0198	1.98	0.0780	10	0.394	38	3	●
ADRS-0199	1.99	0.0783	10	0.394	38	3	●
ADRS-0200	2.00	0.0787	10	0.394	38	3	●
ADRS-0201	2.01	0.0791	10	0.394	38	3	●
ADRS-0202	2.02	0.0795	10	0.394	38	3	●
ADRS-0203	2.03	0.0799	10	0.394	38	3	●
ADRS-0204	2.04	0.0803	10	0.394	38	3	●
ADRS-0205	2.05	0.0807	10	0.394	38	3	●
ADRS-0206	2.06	0.0811	10	0.394	38	3	●
ADRS-0207	2.07	0.0815	10	0.394	38	3	●
ADRS-0208	2.08	0.0819	10	0.394	38	3	●
ADRS-0209	2.09	0.0823	10	0.394	38	3	●
ADRS-0210	2.10	0.0827	10	0.394	38	3	●
ADRS-0211	2.11	0.0831	10	0.394	38	3	●
ADRS-0212	2.12	0.0835	10	0.394	38	3	●
ADRS-0213	2.13	0.0839	10	0.394	38	3	●
ADRS-0214	2.14	0.0843	10	0.394	38	3	●
ADRS-0215	2.15	0.0846	10	0.394	38	3	●
ADRS-0216	2.16	0.0850	10	0.394	38	3	●
ADRS-0217	2.17	0.0854	10	0.394	38	3	●
ADRS-0218	2.18	0.0858	10	0.394	38	3	●
ADRS-0219	2.19	0.0862	10	0.394	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-0220	2.20	0.0866	10	0.394	38	3	●
ADRS-0221	2.21	0.0870	10	0.394	38	3	●
ADRS-0222	2.22	0.0874	10	0.394	38	3	●
ADRS-0223	2.23	0.0878	10	0.394	38	3	●
ADRS-0224	2.24	0.0882	10	0.394	38	3	●
ADRS-0225	2.25	0.0886	10	0.394	38	3	●
ADRS-0226	2.26	0.0890	10	0.394	38	3	●
ADRS-0227	2.27	0.0894	10	0.394	38	3	●
ADRS-0228	2.28	0.0898	10	0.394	38	3	●
ADRS-0229	2.29	0.0902	10	0.394	38	3	●
ADRS-0230	2.30	0.0906	10	0.394	38	3	●
ADRS-0231	2.31	0.0909	10	0.394	38	3	●
ADRS-0232	2.32	0.0913	10	0.394	38	3	●
ADRS-0233	2.33	0.0917	10	0.394	38	3	●
ADRS-0234	2.34	0.0921	10	0.394	38	3	●
ADRS-0235	2.35	0.0925	10	0.394	38	3	●
ADRS-0236	2.36	0.0929	10	0.394	38	3	●
ADRS-0237	2.37	0.0933	10	0.394	38	3	●
ADRS-0238	2.38	0.0937	10	0.394	38	3	●
ADRS-0239	2.39	0.0941	10	0.394	38	3	●
ADRS-0240	2.40	0.0945	10	0.394	38	3	●
ADRS-0241	2.41	0.0949	10	0.394	38	3	●
ADRS-0242	2.42	0.0953	10	0.394	38	3	●
ADRS-0243	2.43	0.0957	10	0.394	38	3	●
ADRS-0244	2.44	0.0961	10	0.394	38	3	●
ADRS-0245	2.45	0.0965	10	0.394	38	3	●
ADRS-0246	2.46	0.0969	10	0.394	38	3	●
ADRS-0247	2.47	0.0972	10	0.394	38	3	●
ADRS-0248	2.48	0.0976	10	0.394	38	3	●
ADRS-0249	2.49	0.0980	10	0.394	38	3	●
ADRS-0250	2.50	0.0984	10	0.394	38	3	●
ADRS-0251	2.51	0.0988	10	0.394	38	3	●
ADRS-0252	2.52	0.0992	10	0.394	38	3	●
ADRS-0253	2.53	0.0996	10	0.394	38	3	●
ADRS-0254	2.54	0.1000	10	0.394	38	3	●
ADRS-0255	2.55	0.1004	10	0.394	38	3	●
ADRS-0256	2.56	0.1008	10	0.394	38	3	●
ADRS-0257	2.57	0.1012	10	0.394	38	3	●
ADRS-0258	2.58	0.1016	10	0.394	38	3	●
ADRS-0259	2.59	0.1020	10	0.394	38	3	●
ADRS-0260	2.60	0.1024	10	0.394	38	3	●
ADRS-0261	2.61	0.1028	10	0.394	38	3	●

● US Stock Item ○ Japan Stock Item

3MM SHANK DRILLS

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
△	△	△	△	△	◎	◎		△	△	◎

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-0262	2.62	0.1031	10	0.394	38	3	●
ADRS-0263	2.63	0.1035	10	0.394	38	3	●
ADRS-0264	2.64	0.1039	10	0.394	38	3	●
ADRS-0265	2.65	0.1043	10	0.394	38	3	●
ADRS-0266	2.66	0.1047	10	0.394	38	3	●
ADRS-0267	2.67	0.1051	10	0.394	38	3	●
ADRS-0268	2.68	0.1055	10	0.394	38	3	●
ADRS-0269	2.69	0.1059	10	0.394	38	3	●
ADRS-0270	2.70	0.1063	12	0.472	38	3	●
ADRS-0271	2.71	0.1067	12	0.472	38	3	●
ADRS-0272	2.72	0.1071	12	0.472	38	3	●
ADRS-0273	2.73	0.1075	12	0.472	38	3	●
ADRS-0274	2.74	0.1079	12	0.472	38	3	●
ADRS-0275	2.75	0.1083	12	0.472	38	3	●
ADRS-0276	2.76	0.1087	12	0.472	38	3	●
ADRS-0277	2.77	0.1091	12	0.472	38	3	●
ADRS-0278	2.78	0.1094	12	0.472	38	3	●
ADRS-0279	2.79	0.1098	12	0.472	38	3	●
ADRS-0280	2.80	0.1102	12	0.472	38	3	●
ADRS-0281	2.81	0.1106	12	0.472	38	3	●

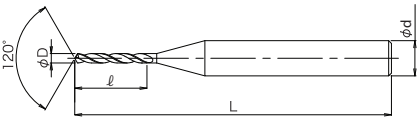
● US Stock Item ○ Japan Stock Item

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-0282	2.82	0.1110	12	0.472	38	3	●
ADRS-0283	2.83	0.1114	12	0.472	38	3	●
ADRS-0284	2.84	0.1118	12	0.472	38	3	●
ADRS-0285	2.85	0.1122	12	0.472	38	3	●
ADRS-0286	2.86	0.1126	12	0.472	38	3	●
ADRS-0287	2.87	0.1130	12	0.472	38	3	●
ADRS-0288	2.88	0.1134	12	0.472	38	3	●
ADRS-0289	2.89	0.1138	12	0.472	38	3	●
ADRS-0290	2.90	0.1142	12	0.472	38	3	●
ADRS-0291	2.91	0.1146	12	0.472	38	3	●
ADRS-0292	2.92	0.1150	12	0.472	38	3	●
ADRS-0293	2.93	0.1154	12	0.472	38	3	●
ADRS-0294	2.94	0.1157	12	0.472	38	3	●
ADRS-0295	2.95	0.1161	12	0.472	38	3	●
ADRS-0296	2.96	0.1165	12	0.472	38	3	●
ADRS-0297	2.97	0.1169	12	0.472	38	3	●
ADRS-0298	2.98	0.1173	12	0.472	38	3	●
ADRS-0299	2.99	0.1177	12	0.472	38	3	●
ADRS-0300	3.00	0.1181	12	0.472	38	3	●

Cutting Conditions P.114

Regular, Uncaoted, For Non-Ferrous

ADR



*For drills 0.04 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.02≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-0002	0.02	0.0008	0.2	0.008	38	3	●
ADR-0003	0.03	0.0012	0.3	0.012	38	3	●
ADR-0004	0.04	0.0016	0.4	0.016	38	3	●
ADR-0005	0.05	0.0020	0.5	0.020	38	3	●
ADR-0006	0.06	0.0024	0.6	0.024	38	3	●
ADR-0007	0.07	0.0028	0.7	0.028	38	3	●
ADR-0008	0.08	0.0031	0.8	0.031	38	3	●
ADR-0009	0.09	0.0035	0.9	0.035	38	3	●
ADR-0010	0.10	0.0039	1.2	0.047	38	3	●
ADR-0011	0.11	0.0043	1.2	0.047	38	3	●
ADR-0012	0.12	0.0047	1.4	0.055	38	3	●
ADR-0013	0.13	0.0051	1.4	0.055	38	3	●
ADR-0014	0.14	0.0055	1.4	0.055	38	3	●
ADR-0015	0.15	0.0059	1.8	0.071	38	3	●
ADR-0016	0.16	0.0063	1.8	0.071	38	3	●
ADR-0017	0.17	0.0067	1.8	0.071	38	3	●
ADR-0018	0.18	0.0071	2.1	0.083	38	3	●
ADR-0019	0.19	0.0075	2.1	0.083	38	3	●
ADR-0020	0.20	0.0079	2.4	0.094	38	3	●
ADR-0021	0.21	0.0083	2.4	0.094	38	3	●
ADR-0022	0.22	0.0087	2.6	0.102	38	3	●
ADR-0023	0.23	0.0091	2.6	0.102	38	3	●
ADR-0024	0.24	0.0094	2.6	0.102	38	3	●
ADR-0025	0.25	0.0098	3	0.118	38	3	●
ADR-0026	0.26	0.0102	3	0.118	38	3	●
ADR-0027	0.27	0.0106	3	0.118	38	3	●
ADR-0028	0.28	0.0110	3.3	0.130	38	3	●
ADR-0029	0.29	0.0114	3.3	0.130	38	3	●
ADR-0030	0.30	0.0118	5	0.197	38	3	●
ADR-0031	0.31	0.0122	5	0.197	38	3	●
ADR-0032	0.32	0.0126	5	0.197	38	3	●
ADR-0033	0.33	0.0130	5	0.197	38	3	●
ADR-0034	0.34	0.0134	5	0.197	38	3	●
ADR-0035	0.35	0.0138	5	0.197	38	3	●
ADR-0036	0.36	0.0142	5	0.197	38	3	●
ADR-0037	0.37	0.0146	5	0.197	38	3	●
ADR-0038	0.38	0.0150	5	0.197	38	3	●
ADR-0039	0.39	0.0154	5	0.197	38	3	●
ADR-0040	0.40	0.0157	6	0.236	38	3	●
ADR-0041	0.41	0.0161	6	0.236	38	3	●
ADR-0042	0.42	0.0165	6	0.236	38	3	●
ADR-0043	0.43	0.0169	6	0.236	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-0044	0.44	0.0173	6	0.236	38	3	●
ADR-0045	0.45	0.0177	6	0.236	38	3	●
ADR-0046	0.46	0.0181	6	0.236	38	3	●
ADR-0047	0.47	0.0185	6	0.236	38	3	●
ADR-0048	0.48	0.0189	6	0.236	38	3	●
ADR-0049	0.49	0.0193	6	0.236	38	3	●
ADR-0050	0.50	0.0197	6	0.236	38	3	●
ADR-0051	0.51	0.0201	6	0.236	38	3	●
ADR-0052	0.52	0.0205	6	0.236	38	3	●
ADR-0053	0.53	0.0209	6	0.236	38	3	●
ADR-0054	0.54	0.0213	6	0.236	38	3	●
ADR-0055	0.55	0.0217	6	0.236	38	3	●
ADR-0056	0.56	0.0220	6	0.236	38	3	●
ADR-0057	0.57	0.0224	6	0.236	38	3	●
ADR-0058	0.58	0.0228	6	0.236	38	3	●
ADR-0059	0.59	0.0232	6	0.236	38	3	●
ADR-0060	0.60	0.0236	7	0.276	38	3	●
ADR-0061	0.61	0.0240	7	0.276	38	3	●
ADR-0062	0.62	0.0244	7	0.276	38	3	●
ADR-0063	0.63	0.0248	7	0.276	38	3	●
ADR-0064	0.64	0.0252	7	0.276	38	3	●
ADR-0065	0.65	0.0256	7	0.276	38	3	●
ADR-0066	0.66	0.0260	7	0.276	38	3	●
ADR-0067	0.67	0.0264	7	0.276	38	3	●
ADR-0068	0.68	0.0268	7	0.276	38	3	●
ADR-0069	0.69	0.0272	7	0.276	38	3	●
ADR-0070	0.70	0.0276	8	0.315	38	3	●
ADR-0071	0.71	0.0280	8	0.315	38	3	●
ADR-0072	0.72	0.0283	8	0.315	38	3	●
ADR-0073	0.73	0.0287	8	0.315	38	3	●
ADR-0074	0.74	0.0291	8	0.315	38	3	●
ADR-0075	0.75	0.0295	8	0.315	38	3	●
ADR-0076	0.76	0.0299	8	0.315	38	3	●
ADR-0077	0.77	0.0303	8	0.315	38	3	●
ADR-0078	0.78	0.0307	8	0.315	38	3	●
ADR-0079	0.79	0.0311	8	0.315	38	3	●
ADR-0080	0.80	0.0315	8	0.315	38	3	●
ADR-0081	0.81	0.0319	8	0.315	38	3	●
ADR-0082	0.82	0.0323	8	0.315	38	3	●
ADR-0083	0.83	0.0327	8	0.315	38	3	●
ADR-0084	0.84	0.0331	8	0.315	38	3	●
ADR-0085	0.85	0.0335	8	0.315	38	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
△	△	△	△	△	◎	◎		△	△	◎

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-0086	0.86	0.0339	8	0.315	38	3	●
ADR-0087	0.87	0.0343	8	0.315	38	3	●
ADR-0088	0.88	0.0346	8	0.315	38	3	●
ADR-0089	0.89	0.0350	8	0.315	38	3	●
ADR-0090	0.90	0.0354	8	0.315	38	3	●
ADR-0091	0.91	0.0358	8	0.315	38	3	●
ADR-0092	0.92	0.0362	8	0.315	38	3	●
ADR-0093	0.93	0.0366	8	0.315	38	3	●
ADR-0094	0.94	0.0370	8	0.315	38	3	●
ADR-0095	0.95	0.0374	8	0.315	38	3	●
ADR-0096	0.96	0.0378	8	0.315	38	3	●
ADR-0097	0.97	0.0382	8	0.315	38	3	●
ADR-0098	0.98	0.0386	8	0.315	38	3	●
ADR-0099	0.99	0.0390	8	0.315	38	3	●
ADR-0100	1.00	0.0394	10	0.394	38	3	●
ADR-0101	1.01	0.0398	10	0.394	38	3	●
ADR-0102	1.02	0.0402	10	0.394	38	3	●
ADR-0103	1.03	0.0406	10	0.394	38	3	●
ADR-0104	1.04	0.0409	10	0.394	38	3	●
ADR-0105	1.05	0.0413	10	0.394	38	3	●
ADR-0106	1.06	0.0417	10	0.394	38	3	●
ADR-0107	1.07	0.0421	10	0.394	38	3	●
ADR-0108	1.08	0.0425	10	0.394	38	3	●
ADR-0109	1.09	0.0429	10	0.394	38	3	●
ADR-0110	1.10	0.0433	10	0.394	38	3	●
ADR-0111	1.11	0.0437	10	0.394	38	3	●
ADR-0112	1.12	0.0441	10	0.394	38	3	●
ADR-0113	1.13	0.0445	10	0.394	38	3	●
ADR-0114	1.14	0.0449	10	0.394	38	3	●
ADR-0115	1.15	0.0453	10	0.394	38	3	●
ADR-0116	1.16	0.0457	10	0.394	38	3	●
ADR-0117	1.17	0.0461	10	0.394	38	3	●
ADR-0118	1.18	0.0465	10	0.394	38	3	●
ADR-0119	1.19	0.0469	10	0.394	38	3	●
ADR-0120	1.20	0.0472	10	0.394	38	3	●
ADR-0121	1.21	0.0476	10	0.394	38	3	●
ADR-0122	1.22	0.0480	10	0.394	38	3	●
ADR-0123	1.23	0.0484	10	0.394	38	3	●
ADR-0124	1.24	0.0488	10	0.394	38	3	●
ADR-0125	1.25	0.0492	10	0.394	38	3	●
ADR-0126	1.26	0.0496	10	0.394	38	3	●
ADR-0127	1.27	0.0500	10	0.394	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-0128	1.28	0.0504	10	0.394	38	3	●
ADR-0129	1.29	0.0508	10	0.394	38	3	●
ADR-0130	1.30	0.0512	10	0.394	38	3	●
ADR-0131	1.31	0.0516	10	0.394	38	3	●
ADR-0132	1.32	0.0520	10	0.394	38	3	●
ADR-0133	1.33	0.0524	10	0.394	38	3	●
ADR-0134	1.34	0.0528	10	0.394	38	3	●
ADR-0135	1.35	0.0531	10	0.394	38	3	●
ADR-0136	1.36	0.0535	10	0.394	38	3	●
ADR-0137	1.37	0.0539	10	0.394	38	3	●
ADR-0138	1.38	0.0543	10	0.394	38	3	●
ADR-0139	1.39	0.0547	10	0.394	38	3	●
ADR-0140	1.40	0.0551	10	0.394	38	3	●
ADR-0141	1.41	0.0555	10	0.394	38	3	●
ADR-0142	1.42	0.0559	10	0.394	38	3	●
ADR-0143	1.43	0.0563	10	0.394	38	3	●
ADR-0144	1.44	0.0567	10	0.394	38	3	●
ADR-0145	1.45	0.0571	10	0.394	38	3	●
ADR-0146	1.46	0.0575	10	0.394	38	3	●
ADR-0147	1.47	0.0579	10	0.394	38	3	●
ADR-0148	1.48	0.0583	10	0.394	38	3	●
ADR-0149	1.49	0.0587	10	0.394	38	3	●
ADR-0150	1.50	0.0591	10	0.394	38	3	●
ADR-0151	1.51	0.0594	10	0.394	38	3	●
ADR-0152	1.52	0.0598	10	0.394	38	3	●
ADR-0153	1.53	0.0602	10	0.394	38	3	●
ADR-0154	1.54	0.0606	10	0.394	38	3	●
ADR-0155	1.55	0.0610	10	0.394	38	3	●
ADR-0156	1.56	0.0614	10	0.394	38	3	●
ADR-0157	1.57	0.0618	10	0.394	38	3	●
ADR-0158	1.58	0.0622	10	0.394	38	3	●
ADR-0159	1.59	0.0626	10	0.394	38	3	●
ADR-0160	1.60	0.0630	22	0.866	50	3	●
ADR-0161	1.61	0.0634	22	0.866	50	3	●
ADR-0162	1.62	0.0638	22	0.866	50	3	●
ADR-0163	1.63	0.0642	22	0.866	50	3	●
ADR-0164	1.64	0.0646	22	0.866	50	3	●
ADR-0165	1.65	0.0650	22	0.866	50	3	●
ADR-0166	1.66	0.0654	22	0.866	50	3	●
ADR-0167	1.67	0.0657	22	0.866	50	3	●
ADR-0168	1.68	0.0661	22	0.866	50	3	●
ADR-0169	1.69	0.0665	22	0.866	50	3	●

● US Stock Item ○ Japan Stock Item

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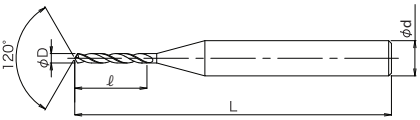
Cutting Conditions P.114

Regular, Uncaoted, For Non-Ferrous

ADR (Cont.)



*For drills 0.04 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.02≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-0170	1.70	0.0669	22	0.866	50	3	●
ADR-0171	1.71	0.0673	22	0.866	50	3	●
ADR-0172	1.72	0.0677	22	0.866	50	3	●
ADR-0173	1.73	0.0681	22	0.866	50	3	●
ADR-0174	1.74	0.0685	22	0.866	50	3	●
ADR-0175	1.75	0.0689	22	0.866	50	3	●
ADR-0176	1.76	0.0693	22	0.866	50	3	●
ADR-0177	1.77	0.0697	22	0.866	50	3	●
ADR-0178	1.78	0.0701	22	0.866	50	3	●
ADR-0179	1.79	0.0705	22	0.866	50	3	●
ADR-0180	1.80	0.0709	22	0.866	50	3	●
ADR-0181	1.81	0.0713	22	0.866	50	3	●
ADR-0182	1.82	0.0717	22	0.866	50	3	●
ADR-0183	1.83	0.0720	22	0.866	50	3	●
ADR-0184	1.84	0.0724	22	0.866	50	3	●
ADR-0185	1.85	0.0728	22	0.866	50	3	●
ADR-0186	1.86	0.0732	22	0.866	50	3	●
ADR-0187	1.87	0.0736	22	0.866	50	3	●
ADR-0188	1.88	0.0740	22	0.866	50	3	●
ADR-0189	1.89	0.0744	22	0.866	50	3	●
ADR-0190	1.90	0.0748	22	0.866	50	3	●
ADR-0191	1.91	0.0752	22	0.866	50	3	●
ADR-0192	1.92	0.0756	22	0.866	50	3	●
ADR-0193	1.93	0.0760	22	0.866	50	3	●
ADR-0194	1.94	0.0764	22	0.866	50	3	●
ADR-0195	1.95	0.0768	22	0.866	50	3	●
ADR-0196	1.96	0.0772	22	0.866	50	3	●
ADR-0197	1.97	0.0776	22	0.866	50	3	●
ADR-0198	1.98	0.0780	22	0.866	50	3	●
ADR-0199	1.99	0.0783	22	0.866	50	3	●
ADR-0200	2.00	0.0787	22	0.866	50	3	●
ADR-0201	2.01	0.0791	22	0.866	50	3	●
ADR-0202	2.02	0.0795	22	0.866	50	3	●
ADR-0203	2.03	0.0799	22	0.866	50	3	●
ADR-0204	2.04	0.0803	22	0.866	50	3	●
ADR-0205	2.05	0.0807	22	0.866	50	3	●
ADR-0206	2.06	0.0811	22	0.866	50	3	●
ADR-0207	2.07	0.0815	22	0.866	50	3	●
ADR-0208	2.08	0.0819	22	0.866	50	3	●
ADR-0209	2.09	0.0823	22	0.866	50	3	●
ADR-0210	2.10	0.0827	22	0.866	50	3	●
ADR-0211	2.11	0.0831	22	0.866	50	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-0212	2.12	0.0835	22	0.866	50	3	●
ADR-0213	2.13	0.0839	22	0.866	50	3	●
ADR-0214	2.14	0.0843	22	0.866	50	3	●
ADR-0215	2.15	0.0846	22	0.866	50	3	●
ADR-0216	2.16	0.0850	22	0.866	50	3	●
ADR-0217	2.17	0.0854	22	0.866	50	3	●
ADR-0218	2.18	0.0858	22	0.866	50	3	●
ADR-0219	2.19	0.0862	22	0.866	50	3	●
ADR-0220	2.20	0.0866	22	0.866	50	3	●
ADR-0221	2.21	0.0870	22	0.866	50	3	●
ADR-0222	2.22	0.0874	22	0.866	50	3	●
ADR-0223	2.23	0.0878	22	0.866	50	3	●
ADR-0224	2.24	0.0882	22	0.866	50	3	●
ADR-0225	2.25	0.0886	22	0.866	50	3	●
ADR-0226	2.26	0.0890	22	0.866	50	3	●
ADR-0227	2.27	0.0894	22	0.866	50	3	●
ADR-0228	2.28	0.0898	22	0.866	50	3	●
ADR-0229	2.29	0.0902	22	0.866	50	3	●
ADR-0230	2.30	0.0906	22	0.866	50	3	●
ADR-0231	2.31	0.0909	22	0.866	50	3	●
ADR-0232	2.32	0.0913	22	0.866	50	3	●
ADR-0233	2.33	0.0917	22	0.866	50	3	●
ADR-0234	2.34	0.0921	22	0.866	50	3	●
ADR-0235	2.35	0.0925	22	0.866	50	3	●
ADR-0236	2.36	0.0929	22	0.866	50	3	●
ADR-0237	2.37	0.0933	22	0.866	50	3	●
ADR-0238	2.38	0.0937	22	0.866	50	3	●
ADR-0239	2.39	0.0941	22	0.866	50	3	●
ADR-0240	2.40	0.0945	22	0.866	50	3	●
ADR-0241	2.41	0.0949	22	0.866	50	3	●
ADR-0242	2.42	0.0953	22	0.866	50	3	●
ADR-0243	2.43	0.0957	22	0.866	50	3	●
ADR-0244	2.44	0.0961	22	0.866	50	3	●
ADR-0245	2.45	0.0965	22	0.866	50	3	●
ADR-0246	2.46	0.0969	22	0.866	50	3	●
ADR-0247	2.47	0.0972	22	0.866	50	3	●
ADR-0248	2.48	0.0976	22	0.866	50	3	●
ADR-0249	2.49	0.0980	22	0.866	50	3	●
ADR-0250	2.50	0.0984	22	0.866	50	3	●
ADR-0251	2.51	0.0988	22	0.866	50	3	●
ADR-0252	2.52	0.0992	22	0.866	50	3	●
ADR-0253	2.53	0.0996	22	0.866	50	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
△	△	△	△	△	◎	◎		△	△	◎

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-0254	2.54	0.1000	22	0.866	50	3	●
ADR-0255	2.55	0.1004	22	0.866	50	3	●
ADR-0256	2.56	0.1008	22	0.866	50	3	●
ADR-0257	2.57	0.1012	22	0.866	50	3	●
ADR-0258	2.58	0.1016	22	0.866	50	3	●
ADR-0259	2.59	0.1020	22	0.866	50	3	●
ADR-0260	2.60	0.1024	22	0.866	50	3	●
ADR-0261	2.61	0.1028	22	0.866	50	3	●
ADR-0262	2.62	0.1031	22	0.866	50	3	●
ADR-0263	2.63	0.1035	22	0.866	50	3	●
ADR-0264	2.64	0.1039	22	0.866	50	3	●
ADR-0265	2.65	0.1043	22	0.866	50	3	●
ADR-0266	2.66	0.1047	22	0.866	50	3	●
ADR-0267	2.67	0.1051	22	0.866	50	3	●
ADR-0268	2.68	0.1055	22	0.866	50	3	●
ADR-0269	2.69	0.1059	22	0.866	50	3	●
ADR-0270	2.70	0.1063	25	0.984	50	3	●
ADR-0271	2.71	0.1067	25	0.984	50	3	●
ADR-0272	2.72	0.1071	25	0.984	50	3	●
ADR-0273	2.73	0.1075	25	0.984	50	3	●
ADR-0274	2.74	0.1079	25	0.984	50	3	●
ADR-0275	2.75	0.1083	25	0.984	50	3	●
ADR-0276	2.76	0.1087	25	0.984	50	3	●
ADR-0277	2.77	0.1091	25	0.984	50	3	●

● US Stock Item ○ Japan Stock Item

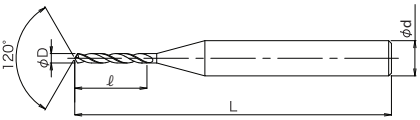
PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-0278	2.78	0.1094	25	0.984	50	3	●
ADR-0279	2.79	0.1098	25	0.984	50	3	●
ADR-0280	2.80	0.1102	25	0.984	50	3	●
ADR-0281	2.81	0.1106	25	0.984	50	3	●
ADR-0282	2.82	0.1110	25	0.984	50	3	●
ADR-0283	2.83	0.1114	25	0.984	50	3	●
ADR-0284	2.84	0.1118	25	0.984	50	3	●
ADR-0285	2.85	0.1122	25	0.984	50	3	●
ADR-0286	2.86	0.1126	25	0.984	50	3	●
ADR-0287	2.87	0.1130	25	0.984	50	3	●
ADR-0288	2.88	0.1134	25	0.984	50	3	●
ADR-0289	2.89	0.1138	25	0.984	50	3	●
ADR-0290	2.90	0.1142	25	0.984	50	3	●
ADR-0291	2.91	0.1146	25	0.984	50	3	●
ADR-0292	2.92	0.1150	25	0.984	50	3	●
ADR-0293	2.93	0.1154	25	0.984	50	3	●
ADR-0294	2.94	0.1157	25	0.984	50	3	●
ADR-0295	2.95	0.1161	25	0.984	50	3	●
ADR-0296	2.96	0.1165	25	0.984	50	3	●
ADR-0297	2.97	0.1169	25	0.984	50	3	●
ADR-0298	2.98	0.1173	25	0.984	50	3	●
ADR-0299	2.99	0.1177	25	0.984	50	3	●
ADR-0300	3.00	0.1181	25	0.984	50	3	●

Cutting Conditions P.114

Semi Long, Uncoated, For Non-Ferrous

ADRSL

MICRO GRAIN | 120° | 30° | Semi Long Flute | SHANK 3mm



*For drills 0.04 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.03≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRSL-0003	0.03	0.0012	0.5	0.020	38	3	●
ADRSL-0004	0.04	0.0016	0.6	0.024	38	3	●
ADRSL-0005	0.05	0.0020	0.8	0.031	38	3	●
ADRSL-0006	0.06	0.0024	0.8	0.031	38	3	●
ADRSL-0007	0.07	0.0028	1.1	0.043	38	3	●
ADRSL-0008	0.08	0.0031	1.2	0.047	38	3	●
ADRSL-0009	0.09	0.0035	1.2	0.047	38	3	●
ADRSL-0010	0.10	0.0039	1.9	0.075	38	3	●
ADRSL-0011	0.11	0.0043	1.9	0.075	38	3	●
ADRSL-0012	0.12	0.0047	2.2	0.087	38	3	●
ADRSL-0013	0.13	0.0051	2.2	0.087	38	3	●
ADRSL-0014	0.14	0.0055	2.2	0.087	38	3	●
ADRSL-0015	0.15	0.0059	2.9	0.114	38	3	●
ADRSL-0016	0.16	0.0063	2.9	0.114	38	3	●
ADRSL-0017	0.17	0.0067	3.2	0.126	38	3	●
ADRSL-0018	0.18	0.0071	3.3	0.130	38	3	●
ADRSL-0019	0.19	0.0075	3.3	0.130	38	3	●
ADRSL-0020	0.20	0.0079	4	0.157	38	3	●
ADRSL-0021	0.21	0.0083	4	0.157	38	3	●
ADRSL-0022	0.22	0.0087	4.3	0.169	38	3	●
ADRSL-0023	0.23	0.0091	4.3	0.169	38	3	●
ADRSL-0024	0.24	0.0094	4.3	0.169	38	3	●
ADRSL-0025	0.25	0.0098	5	0.197	38	3	●
ADRSL-0026	0.26	0.0102	5	0.197	38	3	●
ADRSL-0027	0.27	0.0106	5	0.197	38	3	●
ADRSL-0028	0.28	0.0110	5.2	0.205	38	3	●
ADRSL-0029	0.29	0.0114	5.2	0.205	38	3	●
ADRSL-0030	0.30	0.0118	7	0.276	38	3	●
ADRSL-0031	0.31	0.0122	7	0.276	38	3	●
ADRSL-0032	0.32	0.0126	7	0.276	38	3	●
ADRSL-0033	0.33	0.0130	7	0.276	38	3	●
ADRSL-0034	0.34	0.0134	7	0.276	38	3	●
ADRSL-0035	0.35	0.0138	7	0.276	38	3	●
ADRSL-0036	0.36	0.0142	7	0.276	38	3	●
ADRSL-0037	0.37	0.0146	7	0.276	38	3	●
ADRSL-0038	0.38	0.0150	7	0.276	38	3	●
ADRSL-0039	0.39	0.0154	7	0.276	38	3	●
ADRSL-0040	0.40	0.0157	9	0.354	38	3	●
ADRSL-0041	0.41	0.0161	9	0.354	38	3	●
ADRSL-0042	0.42	0.0165	9	0.354	38	3	●
ADRSL-0043	0.43	0.0169	9	0.354	38	3	●
ADRSL-0044	0.44	0.0173	9	0.354	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRSL-0045	0.45	0.0177	9	0.354	38	3	●
ADRSL-0046	0.46	0.0181	9	0.354	38	3	●
ADRSL-0047	0.47	0.0185	9	0.354	38	3	●
ADRSL-0048	0.48	0.0189	9	0.354	38	3	●
ADRSL-0049	0.49	0.0193	9	0.354	38	3	●
ADRSL-0050	0.50	0.0197	9	0.354	38	3	●
ADRSL-0051	0.51	0.0201	9	0.354	38	3	●
ADRSL-0052	0.52	0.0205	9	0.354	38	3	●
ADRSL-0053	0.53	0.0209	9	0.354	38	3	●
ADRSL-0054	0.54	0.0213	9	0.354	38	3	●
ADRSL-0055	0.55	0.0217	9	0.354	38	3	●
ADRSL-0056	0.56	0.0220	9	0.354	38	3	●
ADRSL-0057	0.57	0.0224	9	0.354	38	3	●
ADRSL-0058	0.58	0.0228	9	0.354	38	3	●
ADRSL-0059	0.59	0.0232	9	0.354	38	3	●
ADRSL-0060	0.60	0.0236	11	0.433	38	3	●
ADRSL-0061	0.61	0.0240	11	0.433	38	3	●
ADRSL-0062	0.62	0.0244	11	0.433	38	3	●
ADRSL-0063	0.63	0.0248	11	0.433	38	3	●
ADRSL-0064	0.64	0.0252	11	0.433	38	3	●
ADRSL-0065	0.65	0.0256	11	0.433	38	3	●
ADRSL-0066	0.66	0.0260	11	0.433	38	3	●
ADRSL-0067	0.67	0.0264	11	0.433	38	3	●
ADRSL-0068	0.68	0.0268	11	0.433	38	3	●
ADRSL-0069	0.69	0.0272	11	0.433	38	3	●
ADRSL-0070	0.70	0.0276	11	0.433	38	3	●
ADRSL-0071	0.71	0.0280	11	0.433	38	3	●
ADRSL-0072	0.72	0.0283	11	0.433	38	3	●
ADRSL-0073	0.73	0.0287	11	0.433	38	3	●
ADRSL-0074	0.74	0.0291	11	0.433	38	3	●
ADRSL-0075	0.75	0.0295	11	0.433	38	3	●
ADRSL-0076	0.76	0.0299	11	0.433	38	3	●
ADRSL-0077	0.77	0.0303	11	0.433	38	3	●
ADRSL-0078	0.78	0.0307	11	0.433	38	3	●
ADRSL-0079	0.79	0.0311	11	0.433	38	3	●
ADRSL-0080	0.80	0.0315	11	0.433	38	3	●
ADRSL-0081	0.81	0.0319	11	0.433	38	3	●
ADRSL-0082	0.82	0.0323	11	0.433	38	3	●
ADRSL-0083	0.83	0.0327	11	0.433	38	3	●
ADRSL-0084	0.84	0.0331	11	0.433	38	3	●
ADRSL-0085	0.85	0.0335	11	0.433	38	3	●
ADRSL-0086	0.86	0.0339	11	0.433	38	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
△	△	△	△	△	◎	◎		△	△	◎

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRSL-0087	0.87	0.0343	11	0.433	38	3	●
ADRSL-0088	0.88	0.0346	11	0.433	38	3	●
ADRSL-0089	0.89	0.0350	11	0.433	38	3	●
ADRSL-0090	0.90	0.0354	11	0.433	38	3	●
ADRSL-0091	0.91	0.0358	11	0.433	38	3	●
ADRSL-0092	0.92	0.0362	11	0.433	38	3	●
ADRSL-0093	0.93	0.0366	11	0.433	38	3	●
ADRSL-0094	0.94	0.0370	11	0.433	38	3	●
ADRSL-0095	0.95	0.0374	11	0.433	38	3	●
ADRSL-0096	0.96	0.0378	11	0.433	38	3	●
ADRSL-0097	0.97	0.0382	11	0.433	38	3	●
ADRSL-0098	0.98	0.0386	11	0.433	38	3	●
ADRSL-0099	0.99	0.0390	11	0.433	38	3	●
ADRSL-0100	1.00	0.0394	15	0.591	45	3	●
ADRSL-0105	1.05	0.0413	15	0.591	45	3	●
ADRSL-0110	1.10	0.0433	15	0.591	45	3	●
ADRSL-0115	1.15	0.0453	15	0.591	45	3	●
ADRSL-0120	1.20	0.0472	15	0.591	45	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRSL-0125	1.25	0.0492	15	0.591	45	3	●
ADRSL-0130	1.30	0.0512	18	0.709	45	3	●
ADRSL-0135	1.35	0.0531	18	0.709	45	3	●
ADRSL-0140	1.40	0.0551	18	0.709	45	3	●
ADRSL-0145	1.45	0.0571	18	0.709	45	3	●
ADRSL-0150	1.50	0.0591	18	0.709	45	3	●
ADRSL-0155	1.55	0.0610	18	0.709	45	3	●
ADRSL-0160	1.60	0.0630	27	1.063	60	3	●
ADRSL-0165	1.65	0.0650	27	1.063	60	3	●
ADRSL-0170	1.70	0.0669	27	1.063	60	3	●
ADRSL-0175	1.75	0.0689	27	1.063	60	3	●
ADRSL-0180	1.80	0.0709	27	1.063	60	3	●
ADRSL-0185	1.85	0.0728	27	1.063	60	3	●
ADRSL-0190	1.90	0.0748	27	1.063	60	3	●
ADRSL-0195	1.95	0.0768	27	1.063	60	3	●
ADRSL-0200	2.00	0.0787	27	1.063	60	3	●
ADRSL-0250	2.50	0.0984	27	1.063	60	3	●
ADRSL-0300	3.00	0.1181	33	1.299	60	3	●

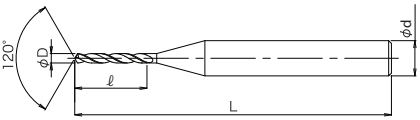
● US Stock Item ○ Japan Stock Item

Cutting Conditions P.114

Long, Uncoated, For Non-Ferrous

ADRL

MICRO GRAIN | 120° | 30° | Long Flute | SHANK 3mm



*For drills 0.04 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.03≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-0003	0.03	0.0012	0.6	0.024	38	3	●
ADRL-0004	0.04	0.0016	0.8	0.031	38	3	●
ADRL-0005	0.05	0.0020	1.0	0.039	38	3	●
ADRL-0006	0.06	0.0024	1.2	0.047	38	3	●
ADRL-0007	0.07	0.0028	1.4	0.055	38	3	●
ADRL-0008	0.08	0.0031	1.6	0.063	38	3	●
ADRL-0009	0.09	0.0035	1.8	0.071	38	3	●
ADRL-0010	0.10	0.0039	2.5	0.098	38	3	●
ADRL-0011	0.11	0.0043	2.5	0.098	38	3	●
ADRL-0012	0.12	0.0047	3	0.118	38	3	●
ADRL-0013	0.13	0.0051	3	0.118	38	3	●
ADRL-0014	0.14	0.0055	3	0.118	38	3	●
ADRL-0015	0.15	0.0059	4	0.157	38	3	●
ADRL-0016	0.16	0.0063	4	0.157	38	3	●
ADRL-0017	0.17	0.0067	4.5	0.177	38	3	●
ADRL-0018	0.18	0.0071	4.5	0.177	38	3	●
ADRL-0019	0.19	0.0075	4.5	0.177	38	3	●
ADRL-0020	0.20	0.0079	6	0.236	38	3	●
ADRL-0021	0.21	0.0083	6	0.236	38	3	●
ADRL-0022	0.22	0.0087	6	0.236	38	3	●
ADRL-0023	0.23	0.0091	6	0.236	38	3	●
ADRL-0024	0.24	0.0094	6	0.236	38	3	●
ADRL-0025	0.25	0.0098	7	0.276	38	3	●
ADRL-0026	0.26	0.0102	7	0.276	38	3	●
ADRL-0027	0.27	0.0106	7	0.276	38	3	●
ADRL-0028	0.28	0.0110	7	0.276	38	3	●
ADRL-0029	0.29	0.0114	7	0.276	38	3	●
ADRL-0030	0.30	0.0118	9	0.354	45	3	●
ADRL-0031	0.31	0.0122	9	0.354	45	3	●
ADRL-0032	0.32	0.0126	9	0.354	45	3	●
ADRL-0033	0.33	0.0130	9	0.354	45	3	●
ADRL-0034	0.34	0.0134	9	0.354	45	3	●
ADRL-0035	0.35	0.0138	10	0.394	45	3	●
ADRL-0036	0.36	0.0142	10	0.394	45	3	●
ADRL-0037	0.37	0.0146	10	0.394	45	3	●
ADRL-0038	0.38	0.0150	10	0.394	45	3	●
ADRL-0039	0.39	0.0154	10	0.394	45	3	●
ADRL-0040	0.40	0.0157	12	0.472	45	3	●
ADRL-0041	0.41	0.0161	12	0.472	45	3	●
ADRL-0042	0.42	0.0165	12	0.472	45	3	●
ADRL-0043	0.43	0.0169	12	0.472	45	3	●
ADRL-0044	0.44	0.0173	12	0.472	45	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-0045	0.45	0.0177	12	0.472	45	3	●
ADRL-0046	0.46	0.0181	12	0.472	45	3	●
ADRL-0047	0.47	0.0185	12	0.472	45	3	●
ADRL-0048	0.48	0.0189	12	0.472	45	3	●
ADRL-0049	0.49	0.0193	12	0.472	45	3	●
ADRL-0050	0.50	0.0197	12	0.472	45	3	●
ADRL-0051	0.51	0.0201	12	0.472	45	3	●
ADRL-0052	0.52	0.0205	12	0.472	45	3	●
ADRL-0053	0.53	0.0209	12	0.472	45	3	●
ADRL-0054	0.54	0.0213	12	0.472	45	3	●
ADRL-0055	0.55	0.0217	12	0.472	45	3	●
ADRL-0056	0.56	0.0220	12	0.472	45	3	●
ADRL-0057	0.57	0.0224	12	0.472	45	3	●
ADRL-0058	0.58	0.0228	12	0.472	45	3	●
ADRL-0059	0.59	0.0232	12	0.472	45	3	●
ADRL-0060	0.60	0.0236	15	0.591	45	3	●
ADRL-0061	0.61	0.0240	15	0.591	45	3	●
ADRL-0062	0.62	0.0244	15	0.591	45	3	●
ADRL-0063	0.63	0.0248	15	0.591	45	3	●
ADRL-0064	0.64	0.0252	15	0.591	45	3	●
ADRL-0065	0.65	0.0256	15	0.591	45	3	●
ADRL-0066	0.66	0.0260	15	0.591	45	3	●
ADRL-0067	0.67	0.0264	15	0.591	45	3	●
ADRL-0068	0.68	0.0268	15	0.591	45	3	●
ADRL-0069	0.69	0.0272	15	0.591	45	3	●
ADRL-0070	0.70	0.0276	15	0.591	45	3	●
ADRL-0071	0.71	0.0280	15	0.591	45	3	●
ADRL-0072	0.72	0.0283	15	0.591	45	3	●
ADRL-0073	0.73	0.0287	15	0.591	45	3	●
ADRL-0074	0.74	0.0291	15	0.591	45	3	●
ADRL-0075	0.75	0.0295	15	0.591	45	3	●
ADRL-0076	0.76	0.0299	15	0.591	45	3	●
ADRL-0077	0.77	0.0303	15	0.591	45	3	●
ADRL-0078	0.78	0.0307	15	0.591	45	3	●
ADRL-0079	0.79	0.0311	15	0.591	45	3	●
ADRL-0080	0.80	0.0315	15	0.591	45	3	●
ADRL-0081	0.81	0.0319	15	0.591	45	3	●
ADRL-0082	0.82	0.0323	15	0.591	45	3	●
ADRL-0083	0.83	0.0327	15	0.591	45	3	●
ADRL-0084	0.84	0.0331	15	0.591	45	3	●
ADRL-0085	0.85	0.0335	15	0.591	45	3	●
ADRL-0086	0.86	0.0339	15	0.591	45	3	●

● US Stock Item ○ Japan Stock Item

3MM SHANK DRILLS

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
△	△	△	△	△	◎	◎		△	△	◎

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-0087	0.87	0.0343	15	0.591	45	3	●
ADRL-0088	0.88	0.0346	15	0.591	45	3	●
ADRL-0089	0.89	0.0350	15	0.591	45	3	●
ADRL-0090	0.90	0.0354	15	0.591	45	3	●
ADRL-0091	0.91	0.0358	15	0.591	45	3	●
ADRL-0092	0.92	0.0362	15	0.591	45	3	●
ADRL-0093	0.93	0.0366	15	0.591	45	3	●
ADRL-0094	0.94	0.0370	15	0.591	45	3	●
ADRL-0095	0.95	0.0374	15	0.591	45	3	●
ADRL-0096	0.96	0.0378	15	0.591	45	3	●
ADRL-0097	0.97	0.0382	15	0.591	45	3	●
ADRL-0098	0.98	0.0386	15	0.591	45	3	●
ADRL-0099	0.99	0.0390	15	0.591	45	3	●
ADRL-0100	1.00	0.0394	20	0.787	50	3	●
ADRL-0101	1.01	0.0398	20	0.787	50	3	●
ADRL-0102	1.02	0.0402	20	0.787	50	3	●
ADRL-0103	1.03	0.0406	20	0.787	50	3	●
ADRL-0104	1.04	0.0409	20	0.787	50	3	●
ADRL-0105	1.05	0.0413	20	0.787	50	3	●
ADRL-0106	1.06	0.0417	20	0.787	50	3	●
ADRL-0107	1.07	0.0421	20	0.787	50	3	●
ADRL-0108	1.08	0.0425	20	0.787	50	3	●
ADRL-0109	1.09	0.0429	20	0.787	50	3	●
ADRL-0110	1.10	0.0433	20	0.787	50	3	●
ADRL-0111	1.11	0.0437	20	0.787	50	3	●
ADRL-0112	1.12	0.0441	20	0.787	50	3	●
ADRL-0113	1.13	0.0445	20	0.787	50	3	●
ADRL-0114	1.14	0.0449	20	0.787	50	3	●
ADRL-0115	1.15	0.0453	20	0.787	50	3	●
ADRL-0116	1.16	0.0457	20	0.787	50	3	●
ADRL-0117	1.17	0.0461	20	0.787	50	3	●
ADRL-0118	1.18	0.0465	20	0.787	50	3	●
ADRL-0119	1.19	0.0469	20	0.787	50	3	●
ADRL-0120	1.20	0.0472	20	0.787	50	3	●
ADRL-0121	1.21	0.0476	20	0.787	50	3	●
ADRL-0122	1.22	0.0480	20	0.787	50	3	●
ADRL-0123	1.23	0.0484	20	0.787	50	3	●
ADRL-0124	1.24	0.0488	20	0.787	50	3	●
ADRL-0125	1.25	0.0492	20	0.787	50	3	●
ADRL-0126	1.26	0.0496	20	0.787	50	3	●
ADRL-0127	1.27	0.0500	20	0.787	50	3	●
ADRL-0128	1.28	0.0504	20	0.787	50	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-0129	1.29	0.0508	20	0.787	50	3	●
ADRL-0130	1.30	0.0512	25	0.984	60	3	●
ADRL-0131	1.31	0.0516	25	0.984	60	3	●
ADRL-0132	1.32	0.0520	25	0.984	60	3	●
ADRL-0133	1.33	0.0524	25	0.984	60	3	●
ADRL-0134	1.34	0.0528	25	0.984	60	3	●
ADRL-0135	1.35	0.0531	25	0.984	60	3	●
ADRL-0136	1.36	0.0535	25	0.984	60	3	●
ADRL-0137	1.37	0.0539	25	0.984	60	3	●
ADRL-0138	1.38	0.0543	25	0.984	60	3	●
ADRL-0139	1.39	0.0547	25	0.984	60	3	●
ADRL-0140	1.40	0.0551	25	0.984	60	3	●
ADRL-0141	1.41	0.0555	25	0.984	60	3	●
ADRL-0142	1.42	0.0559	25	0.984	60	3	●
ADRL-0143	1.43	0.0563	25	0.984	60	3	●
ADRL-0144	1.44	0.0567	25	0.984	60	3	●
ADRL-0145	1.45	0.0571	25	0.984	60	3	●
ADRL-0146	1.46	0.0575	25	0.984	60	3	●
ADRL-0147	1.47	0.0579	25	0.984	60	3	●
ADRL-0148	1.48	0.0583	25	0.984	60	3	●
ADRL-0149	1.49	0.0587	25	0.984	60	3	●
ADRL-0150	1.50	0.0591	25	0.984	60	3	●
ADRL-0151	1.51	0.0594	25	0.984	60	3	●
ADRL-0152	1.52	0.0598	25	0.984	60	3	●
ADRL-0153	1.53	0.0602	25	0.984	60	3	●
ADRL-0154	1.54	0.0606	25	0.984	60	3	●
ADRL-0155	1.55	0.0610	25	0.984	60	3	●
ADRL-0156	1.56	0.0614	25	0.984	60	3	●
ADRL-0157	1.57	0.0618	25	0.984	60	3	●
ADRL-0158	1.58	0.0622	25	0.984	60	3	●
ADRL-0159	1.59	0.0626	25	0.984	60	3	●
ADRL-0160	1.60	0.0630	32	1.260	60	3	●
ADRL-0161	1.61	0.0634	32	1.260	60	3	●
ADRL-0162	1.62	0.0638	32	1.260	60	3	●
ADRL-0163	1.63	0.0642	32	1.260	60	3	●
ADRL-0164	1.64	0.0646	32	1.260	60	3	●
ADRL-0165	1.65	0.0650	32	1.260	60	3	●
ADRL-0166	1.66	0.0654	32	1.260	60	3	●
ADRL-0167	1.67	0.0657	32	1.260	60	3	●
ADRL-0168	1.68	0.0661	32	1.260	60	3	●
ADRL-0169	1.69	0.0665	32	1.260	60	3	●
ADRL-0170	1.70	0.0669	32	1.260	60	3	●

● US Stock Item ○ Japan Stock Item

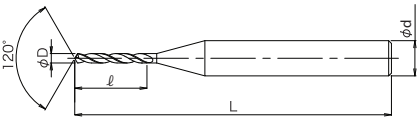
Next Page ▸

Cutting Conditions P.114

Long, Uncoated, For Non-Ferrous

ADRL (Cont.)

MICRO GRAIN | 120° | 30° | Long Flute | SHANK 3mm



*For drills 0.04 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.03≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-0171	1.71	0.0673	32	1.260	60	3	●
ADRL-0172	1.72	0.0677	32	1.260	60	3	●
ADRL-0173	1.73	0.0681	32	1.260	60	3	●
ADRL-0174	1.74	0.0685	32	1.260	60	3	●
ADRL-0175	1.75	0.0689	32	1.260	60	3	●
ADRL-0176	1.76	0.0693	32	1.260	60	3	●
ADRL-0177	1.77	0.0697	32	1.260	60	3	●
ADRL-0178	1.78	0.0701	32	1.260	60	3	●
ADRL-0179	1.79	0.0705	32	1.260	60	3	●
ADRL-0180	1.80	0.0709	32	1.260	60	3	●
ADRL-0181	1.81	0.0713	32	1.260	60	3	●
ADRL-0182	1.82	0.0717	32	1.260	60	3	●
ADRL-0183	1.83	0.0720	32	1.260	60	3	●
ADRL-0184	1.84	0.0724	32	1.260	60	3	●
ADRL-0185	1.85	0.0728	32	1.260	60	3	●
ADRL-0186	1.86	0.0732	32	1.260	60	3	●
ADRL-0187	1.87	0.0736	32	1.260	60	3	●
ADRL-0188	1.88	0.0740	32	1.260	60	3	●
ADRL-0189	1.89	0.0744	32	1.260	60	3	●
ADRL-0190	1.90	0.0748	32	1.260	60	3	●
ADRL-0191	1.91	0.0752	32	1.260	60	3	●
ADRL-0192	1.92	0.0756	32	1.260	60	3	●
ADRL-0193	1.93	0.0760	32	1.260	60	3	●
ADRL-0194	1.94	0.0764	32	1.260	60	3	●
ADRL-0195	1.95	0.0768	32	1.260	60	3	●
ADRL-0196	1.96	0.0772	32	1.260	60	3	●
ADRL-0197	1.97	0.0776	32	1.260	60	3	●
ADRL-0198	1.98	0.0780	32	1.260	60	3	●
ADRL-0199	1.99	0.0783	32	1.260	60	3	●
ADRL-0200	2.00	0.0787	32	1.260	60	3	●
ADRL-0201	2.01	0.0791	32	1.260	60	3	●
ADRL-0202	2.02	0.0795	32	1.260	60	3	●
ADRL-0203	2.03	0.0799	32	1.260	60	3	●
ADRL-0204	2.04	0.0803	32	1.260	60	3	●
ADRL-0205	2.05	0.0807	32	1.260	60	3	●
ADRL-0206	2.06	0.0811	32	1.260	60	3	●
ADRL-0207	2.07	0.0815	32	1.260	60	3	●
ADRL-0208	2.08	0.0819	32	1.260	60	3	●
ADRL-0209	2.09	0.0823	32	1.260	60	3	●
ADRL-0210	2.10	0.0827	32	1.260	60	3	●
ADRL-0211	2.11	0.0831	32	1.260	60	3	●
ADRL-0212	2.12	0.0835	32	1.260	60	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-0213	2.13	0.0839	32	1.260	60	3	●
ADRL-0214	2.14	0.0843	32	1.260	60	3	●
ADRL-0215	2.15	0.0846	32	1.260	60	3	●
ADRL-0216	2.16	0.0850	32	1.260	60	3	●
ADRL-0217	2.17	0.0854	32	1.260	60	3	●
ADRL-0218	2.18	0.0858	32	1.260	60	3	●
ADRL-0219	2.19	0.0862	32	1.260	60	3	●
ADRL-0220	2.20	0.0866	32	1.260	60	3	●
ADRL-0221	2.21	0.0870	32	1.260	60	3	●
ADRL-0222	2.22	0.0874	32	1.260	60	3	●
ADRL-0223	2.23	0.0878	32	1.260	60	3	●
ADRL-0224	2.24	0.0882	32	1.260	60	3	●
ADRL-0225	2.25	0.0886	32	1.260	60	3	●
ADRL-0226	2.26	0.0890	32	1.260	60	3	●
ADRL-0227	2.27	0.0894	32	1.260	60	3	●
ADRL-0228	2.28	0.0898	32	1.260	60	3	●
ADRL-0229	2.29	0.0902	32	1.260	60	3	●
ADRL-0230	2.30	0.0906	32	1.260	60	3	●
ADRL-0231	2.31	0.0909	32	1.260	60	3	●
ADRL-0232	2.32	0.0913	32	1.260	60	3	●
ADRL-0233	2.33	0.0917	32	1.260	60	3	●
ADRL-0234	2.34	0.0921	32	1.260	60	3	●
ADRL-0235	2.35	0.0925	32	1.260	60	3	●
ADRL-0236	2.36	0.0929	32	1.260	60	3	●
ADRL-0237	2.37	0.0933	32	1.260	60	3	●
ADRL-0238	2.38	0.0937	32	1.260	60	3	●
ADRL-0239	2.39	0.0941	32	1.260	60	3	●
ADRL-0240	2.40	0.0945	32	1.260	60	3	●
ADRL-0241	2.41	0.0949	32	1.260	60	3	●
ADRL-0242	2.42	0.0953	32	1.260	60	3	●
ADRL-0243	2.43	0.0957	32	1.260	60	3	●
ADRL-0244	2.44	0.0961	32	1.260	60	3	●
ADRL-0245	2.45	0.0965	32	1.260	60	3	●
ADRL-0246	2.46	0.0969	32	1.260	60	3	●
ADRL-0247	2.47	0.0972	32	1.260	60	3	●
ADRL-0248	2.48	0.0976	32	1.260	60	3	●
ADRL-0249	2.49	0.0980	32	1.260	60	3	●
ADRL-0250	2.50	0.0984	32	1.260	60	3	●
ADRL-0251	2.51	0.0988	32	1.260	60	3	●
ADRL-0252	2.52	0.0992	32	1.260	60	3	●
ADRL-0253	2.53	0.0996	32	1.260	60	3	●
ADRL-0254	2.54	0.1000	32	1.260	60	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
△	△	△	△	△	◎	◎		△	△	◎

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-0255	2.55	0.1004	32	1.260	60	3	●
ADRL-0256	2.56	0.1008	32	1.260	60	3	●
ADRL-0257	2.57	0.1012	32	1.260	60	3	●
ADRL-0258	2.58	0.1016	32	1.260	60	3	●
ADRL-0259	2.59	0.1020	32	1.260	60	3	●
ADRL-0260	2.60	0.1024	32	1.260	60	3	●
ADRL-0261	2.61	0.1028	32	1.260	60	3	●
ADRL-0262	2.62	0.1031	32	1.260	60	3	●
ADRL-0263	2.63	0.1035	32	1.260	60	3	●
ADRL-0264	2.64	0.1039	32	1.260	60	3	●
ADRL-0265	2.65	0.1043	32	1.260	60	3	●
ADRL-0266	2.66	0.1047	32	1.260	60	3	●
ADRL-0267	2.67	0.1051	32	1.260	60	3	●
ADRL-0268	2.68	0.1055	32	1.260	60	3	●
ADRL-0269	2.69	0.1059	32	1.260	60	3	●
ADRL-0270	2.70	0.1063	40	1.575	65	3	●
ADRL-0271	2.71	0.1067	40	1.575	65	3	●
ADRL-0272	2.72	0.1071	40	1.575	65	3	●
ADRL-0273	2.73	0.1075	40	1.575	65	3	●
ADRL-0274	2.74	0.1079	40	1.575	65	3	●
ADRL-0275	2.75	0.1083	40	1.575	65	3	●
ADRL-0276	2.76	0.1087	40	1.575	65	3	●
ADRL-0277	2.77	0.1091	40	1.575	65	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-0278	2.78	0.1094	40	1.575	65	3	●
ADRL-0279	2.79	0.1098	40	1.575	65	3	●
ADRL-0280	2.80	0.1102	40	1.575	65	3	●
ADRL-0281	2.81	0.1106	40	1.575	65	3	●
ADRL-0282	2.82	0.1110	40	1.575	65	3	●
ADRL-0283	2.83	0.1114	40	1.575	65	3	●
ADRL-0284	2.84	0.1118	40	1.575	65	3	●
ADRL-0285	2.85	0.1122	40	1.575	65	3	●
ADRL-0286	2.86	0.1126	40	1.575	65	3	●
ADRL-0287	2.87	0.1130	40	1.575	65	3	●
ADRL-0288	2.88	0.1134	40	1.575	65	3	●
ADRL-0289	2.89	0.1138	40	1.575	65	3	●
ADRL-0290	2.90	0.1142	40	1.575	65	3	●
ADRL-0291	2.91	0.1146	40	1.575	65	3	●
ADRL-0292	2.92	0.1150	40	1.575	65	3	●
ADRL-0293	2.93	0.1154	40	1.575	65	3	●
ADRL-0294	2.94	0.1157	40	1.575	65	3	●
ADRL-0295	2.95	0.1161	40	1.575	65	3	●
ADRL-0296	2.96	0.1165	40	1.575	65	3	●
ADRL-0297	2.97	0.1169	40	1.575	65	3	●
ADRL-0298	2.98	0.1173	40	1.575	65	3	●
ADRL-0299	2.99	0.1177	40	1.575	65	3	●
ADRL-0300	3.00	0.1181	40	1.575	65	3	●

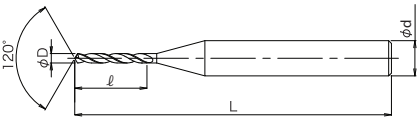
● US Stock Item ○ Japan Stock Item

Cutting Conditions P.114

Super Precision, Uncoated, For Non-Ferrous

ADR-SP

MICRO GRAIN | 120° | 30° | Regular Flute | SHANK 3mm



*For drills 0.045 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.003 mm (0.035≤D≤1.995 mm)
Runout Accuracy: ≤0.002 mm
Lip Height difference: ≤0.002 mm

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SP-00015	0.015	0.0006	0.2	0.008	38	3	○
ADR-SP-00025	0.025	0.0010	0.3	0.012	38	3	○
ADR-SP-00035	0.035	0.0014	0.4	0.016	38	3	○
ADR-SP-00045	0.045	0.0018	0.5	0.020	38	3	○
ADR-SP-00055	0.055	0.0022	0.6	0.024	38	3	○
ADR-SP-00065	0.065	0.0026	0.7	0.028	38	3	○
ADR-SP-00075	0.075	0.0030	0.8	0.031	38	3	○
ADR-SP-00085	0.085	0.0033	0.9	0.035	38	3	○
ADR-SP-00095	0.095	0.0037	1.2	0.047	38	3	○
ADR-SP-00105	0.105	0.0041	1.2	0.047	38	3	○
ADR-SP-00115	0.115	0.0045	1.4	0.055	38	3	○
ADR-SP-00125	0.125	0.0049	1.4	0.055	38	3	○
ADR-SP-00135	0.135	0.0053	1.4	0.055	38	3	○
ADR-SP-00145	0.145	0.0057	1.8	0.071	38	3	○
ADR-SP-00155	0.155	0.0061	1.8	0.071	38	3	○
ADR-SP-00165	0.165	0.0065	1.8	0.071	38	3	○
ADR-SP-00175	0.175	0.0069	2.1	0.083	38	3	○
ADR-SP-00185	0.185	0.0073	2.1	0.083	38	3	○
ADR-SP-00195	0.195	0.0077	2.4	0.094	38	3	○
ADR-SP-00205	0.205	0.0081	2.4	0.094	38	3	○
ADR-SP-00215	0.215	0.0085	2.6	0.102	38	3	○
ADR-SP-00225	0.225	0.0089	2.6	0.102	38	3	○
ADR-SP-00235	0.235	0.0093	2.6	0.102	38	3	○
ADR-SP-00245	0.245	0.0096	3	0.118	38	3	○
ADR-SP-00255	0.255	0.0100	3	0.118	38	3	○
ADR-SP-00265	0.265	0.0104	3	0.118	38	3	○
ADR-SP-00275	0.275	0.0108	3.3	0.130	38	3	○
ADR-SP-00285	0.285	0.0112	3.3	0.130	38	3	○
ADR-SP-00295	0.295	0.0116	5	0.197	38	3	○
ADR-SP-00305	0.305	0.0120	5	0.197	38	3	○
ADR-SP-00315	0.315	0.0124	5	0.197	38	3	○
ADR-SP-00325	0.325	0.0128	5	0.197	38	3	○
ADR-SP-00335	0.335	0.0132	5	0.197	38	3	○
ADR-SP-00345	0.345	0.0136	5	0.197	38	3	○
ADR-SP-00355	0.355	0.0140	5	0.197	38	3	○
ADR-SP-00365	0.365	0.0144	5	0.197	38	3	○
ADR-SP-00375	0.375	0.0148	5	0.197	38	3	○
ADR-SP-00385	0.385	0.0152	5	0.197	38	3	○
ADR-SP-00395	0.395	0.0156	6	0.236	38	3	○
ADR-SP-00405	0.405	0.0159	6	0.236	38	3	○
ADR-SP-00415	0.415	0.0163	6	0.236	38	3	○
ADR-SP-00425	0.425	0.0167	6	0.236	38	3	○

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SP-00435	0.435	0.0171	6	0.236	38	3	○
ADR-SP-00445	0.445	0.0175	6	0.236	38	3	○
ADR-SP-00455	0.455	0.0179	6	0.236	38	3	○
ADR-SP-00465	0.465	0.0183	6	0.236	38	3	○
ADR-SP-00475	0.475	0.0187	6	0.236	38	3	○
ADR-SP-00485	0.485	0.0191	6	0.236	38	3	○
ADR-SP-00495	0.495	0.0195	6	0.236	38	3	○
ADR-SP-00505	0.505	0.0199	6	0.236	38	3	○
ADR-SP-00515	0.515	0.0203	6	0.236	38	3	○
ADR-SP-00525	0.525	0.0207	6	0.236	38	3	○
ADR-SP-00535	0.535	0.0211	6	0.236	38	3	○
ADR-SP-00545	0.545	0.0215	6	0.236	38	3	○
ADR-SP-00555	0.555	0.0219	6	0.236	38	3	○
ADR-SP-00565	0.565	0.0222	6	0.236	38	3	○
ADR-SP-00575	0.575	0.0226	6	0.236	38	3	○
ADR-SP-00585	0.585	0.0230	6	0.236	38	3	○
ADR-SP-00595	0.595	0.0234	7	0.276	38	3	○
ADR-SP-00605	0.605	0.0238	7	0.276	38	3	○
ADR-SP-00615	0.615	0.0242	7	0.276	38	3	○
ADR-SP-00625	0.625	0.0246	7	0.276	38	3	○
ADR-SP-00635	0.635	0.0250	7	0.276	38	3	○
ADR-SP-00645	0.645	0.0254	7	0.276	38	3	○
ADR-SP-00655	0.655	0.0258	7	0.276	38	3	○
ADR-SP-00665	0.665	0.0262	7	0.276	38	3	○
ADR-SP-00675	0.675	0.0266	7	0.276	38	3	○
ADR-SP-00685	0.685	0.0270	7	0.276	38	3	○
ADR-SP-00695	0.695	0.0274	8	0.315	38	3	○
ADR-SP-00705	0.705	0.0278	8	0.315	38	3	○
ADR-SP-00715	0.715	0.0281	8	0.315	38	3	○
ADR-SP-00725	0.725	0.0285	8	0.315	38	3	○
ADR-SP-00735	0.735	0.0289	8	0.315	38	3	○
ADR-SP-00745	0.745	0.0293	8	0.315	38	3	○
ADR-SP-00755	0.755	0.0297	8	0.315	38	3	○
ADR-SP-00765	0.765	0.0301	8	0.315	38	3	○
ADR-SP-00775	0.775	0.0305	8	0.315	38	3	○
ADR-SP-00785	0.785	0.0309	8	0.315	38	3	○
ADR-SP-00795	0.795	0.0313	8	0.315	38	3	○
ADR-SP-00805	0.805	0.0317	8	0.315	38	3	○
ADR-SP-00815	0.815	0.0321	8	0.315	38	3	○
ADR-SP-00825	0.825	0.0325	8	0.315	38	3	○
ADR-SP-00835	0.835	0.0329	8	0.315	38	3	○
ADR-SP-00845	0.845	0.0333	8	0.315	38	3	○

● US Stock Item ○ Japan Stock Item

3MM SHANK DRILLS

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
△	△	△	△	△	◎	◎		△	△	◎

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SP-00855	0.855	0.0337	8	0.315	38	3	○
ADR-SP-00865	0.865	0.0341	8	0.315	38	3	○
ADR-SP-00875	0.875	0.0344	8	0.315	38	3	○
ADR-SP-00885	0.885	0.0348	8	0.315	38	3	○
ADR-SP-00895	0.895	0.0352	8	0.315	38	3	○
ADR-SP-00905	0.905	0.0356	8	0.315	38	3	○
ADR-SP-00915	0.915	0.0360	8	0.315	38	3	○
ADR-SP-00925	0.925	0.0364	8	0.315	38	3	○
ADR-SP-00935	0.935	0.0368	8	0.315	38	3	○
ADR-SP-00945	0.945	0.0372	8	0.315	38	3	○
ADR-SP-00955	0.955	0.0376	8	0.315	38	3	○
ADR-SP-00965	0.965	0.0380	8	0.315	38	3	○
ADR-SP-00975	0.975	0.0384	8	0.315	38	3	○
ADR-SP-00985	0.985	0.0388	8	0.315	38	3	○
ADR-SP-00995	0.995	0.0392	10	0.394	38	3	○
ADR-SP-01005	1.005	0.0396	10	0.394	38	3	○
ADR-SP-01015	1.015	0.0400	10	0.394	38	3	○
ADR-SP-01025	1.025	0.0404	10	0.394	38	3	○
ADR-SP-01035	1.035	0.0407	10	0.394	38	3	○
ADR-SP-01045	1.045	0.0411	10	0.394	38	3	○
ADR-SP-01055	1.055	0.0415	10	0.394	38	3	○
ADR-SP-01065	1.065	0.0419	10	0.394	38	3	○
ADR-SP-01075	1.075	0.0423	10	0.394	38	3	○
ADR-SP-01085	1.085	0.0427	10	0.394	38	3	○
ADR-SP-01095	1.095	0.0431	10	0.394	38	3	○
ADR-SP-01105	1.105	0.0435	10	0.394	38	3	○
ADR-SP-01115	1.115	0.0439	10	0.394	38	3	○
ADR-SP-01125	1.125	0.0443	10	0.394	38	3	○
ADR-SP-01135	1.135	0.0447	10	0.394	38	3	○
ADR-SP-01145	1.145	0.0451	10	0.394	38	3	○
ADR-SP-01155	1.155	0.0455	10	0.394	38	3	○
ADR-SP-01165	1.165	0.0459	10	0.394	38	3	○
ADR-SP-01175	1.175	0.0463	10	0.394	38	3	○
ADR-SP-01185	1.185	0.0467	10	0.394	38	3	○
ADR-SP-01195	1.195	0.0470	10	0.394	38	3	○
ADR-SP-01205	1.205	0.0474	10	0.394	38	3	○
ADR-SP-01215	1.215	0.0478	10	0.394	38	3	○
ADR-SP-01225	1.225	0.0482	10	0.394	38	3	○
ADR-SP-01235	1.235	0.0486	10	0.394	38	3	○
ADR-SP-01245	1.245	0.0490	10	0.394	38	3	○
ADR-SP-01255	1.255	0.0494	10	0.394	38	3	○
ADR-SP-01265	1.265	0.0498	10	0.394	38	3	○

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SP-01275	1.275	0.0502	10	0.394	38	3	○
ADR-SP-01285	1.285	0.0506	10	0.394	38	3	○
ADR-SP-01295	1.295	0.0510	10	0.394	38	3	○
ADR-SP-01305	1.305	0.0514	10	0.394	38	3	○
ADR-SP-01315	1.315	0.0518	10	0.394	38	3	○
ADR-SP-01325	1.325	0.0522	10	0.394	38	3	○
ADR-SP-01335	1.335	0.0526	10	0.394	38	3	○
ADR-SP-01345	1.345	0.0530	10	0.394	38	3	○
ADR-SP-01355	1.355	0.0533	10	0.394	38	3	○
ADR-SP-01365	1.365	0.0537	10	0.394	38	3	○
ADR-SP-01375	1.375	0.0541	10	0.394	38	3	○
ADR-SP-01385	1.385	0.0545	10	0.394	38	3	○
ADR-SP-01395	1.395	0.0549	10	0.394	38	3	○
ADR-SP-01405	1.405	0.0553	10	0.394	38	3	○
ADR-SP-01415	1.415	0.0557	10	0.394	38	3	○
ADR-SP-01425	1.425	0.0561	10	0.394	38	3	○
ADR-SP-01435	1.435	0.0565	10	0.394	38	3	○
ADR-SP-01445	1.445	0.0569	10	0.394	38	3	○
ADR-SP-01455	1.455	0.0573	10	0.394	38	3	○
ADR-SP-01465	1.465	0.0577	10	0.394	38	3	○
ADR-SP-01475	1.475	0.0581	10	0.394	38	3	○
ADR-SP-01485	1.485	0.0585	10	0.394	38	3	○
ADR-SP-01495	1.495	0.0589	10	0.394	38	3	○
ADR-SP-01505	1.505	0.0593	10	0.394	38	3	○
ADR-SP-01515	1.515	0.0596	10	0.394	38	3	○
ADR-SP-01525	1.525	0.0600	10	0.394	38	3	○
ADR-SP-01535	1.535	0.0604	10	0.394	38	3	○
ADR-SP-01545	1.545	0.0608	10	0.394	38	3	○
ADR-SP-01555	1.555	0.0612	10	0.394	38	3	○
ADR-SP-01565	1.565	0.0616	10	0.394	38	3	○
ADR-SP-01575	1.575	0.0620	10	0.394	38	3	○
ADR-SP-01585	1.585	0.0624	10	0.394	38	3	○
ADR-SP-01595	1.595	0.0628	22	0.866	50	3	○
ADR-SP-01605	1.605	0.0632	22	0.866	50	3	○
ADR-SP-01615	1.615	0.0636	22	0.866	50	3	○
ADR-SP-01625	1.625	0.0640	22	0.866	50	3	○
ADR-SP-01635	1.635	0.0644	22	0.866	50	3	○
ADR-SP-01645	1.645	0.0648	22	0.866	50	3	○
ADR-SP-01655	1.655	0.0652	22	0.866	50	3	○
ADR-SP-01665	1.665	0.0656	22	0.866	50	3	○
ADR-SP-01675	1.675	0.0659	22	0.866	50	3	○
ADR-SP-01685	1.685	0.0663	22	0.866	50	3	○

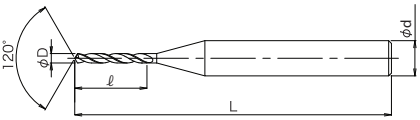
● US Stock Item ○ Japan Stock Item

Next Page ▸
Cutting Conditions P.114

Super Precision, Uncoated, For Non-Ferrous

ADR-SP (Cont.)

ØD Tolerance:
+0 / -0.003 mm (0.035≤D≤1.995 mm)
Runout Accuracy: ≤0.002 mm
Lip Height difference: ≤0.002 mm



*For drills 0.045 mm diameter and smaller, there is an intermediate neck diameter.

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SP-01695	1.695	0.0667	22	0.866	50	3	○
ADR-SP-01705	1.705	0.0671	22	0.866	50	3	○
ADR-SP-01715	1.715	0.0675	22	0.866	50	3	○
ADR-SP-01725	1.725	0.0679	22	0.866	50	3	○
ADR-SP-01735	1.735	0.0683	22	0.866	50	3	○
ADR-SP-01745	1.745	0.0687	22	0.866	50	3	○
ADR-SP-01755	1.755	0.0691	22	0.866	50	3	○
ADR-SP-01765	1.765	0.0695	22	0.866	50	3	○
ADR-SP-01775	1.775	0.0699	22	0.866	50	3	○
ADR-SP-01785	1.785	0.0703	22	0.866	50	3	○
ADR-SP-01795	1.795	0.0707	22	0.866	50	3	○
ADR-SP-01805	1.805	0.0711	22	0.866	50	3	○
ADR-SP-01815	1.815	0.0715	22	0.866	50	3	○
ADR-SP-01825	1.825	0.0719	22	0.866	50	3	○
ADR-SP-01835	1.835	0.0722	22	0.866	50	3	○
ADR-SP-01845	1.845	0.0726	22	0.866	50	3	○

● US Stock Item ○ Japan Stock Item

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SP-01855	1.855	0.0730	22	0.866	50	3	○
ADR-SP-01865	1.865	0.0734	22	0.866	50	3	○
ADR-SP-01875	1.875	0.0738	22	0.866	50	3	○
ADR-SP-01885	1.885	0.0742	22	0.866	50	3	○
ADR-SP-01895	1.895	0.0746	22	0.866	50	3	○
ADR-SP-01905	1.905	0.0750	22	0.866	50	3	○
ADR-SP-01915	1.915	0.0754	22	0.866	50	3	○
ADR-SP-01925	1.925	0.0758	22	0.866	50	3	○
ADR-SP-01935	1.935	0.0762	22	0.866	50	3	○
ADR-SP-01945	1.945	0.0766	22	0.866	50	3	○
ADR-SP-01955	1.955	0.0770	22	0.866	50	3	○
ADR-SP-01965	1.965	0.0774	22	0.866	50	3	○
ADR-SP-01975	1.975	0.0778	22	0.866	50	3	○
ADR-SP-01985	1.985	0.0781	22	0.866	50	3	○
ADR-SP-01995	1.995	0.0785	22	0.866	50	3	○

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels	Resin
		30~38 HRC							~50 HRC	
△	△	△	△	△	◎	◎		△	△	◎

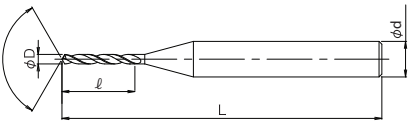
◎ Best ○ Good △ OK

Cutting Conditions P.114

Short, FCS Coated, For Steels

ADRS-SV

MICRO GRAIN | FCS Coating | 120° (D<1.6mm) | 135° (D≥1.6mm) | 30° | X Thinning (D≥1.6mm) | Short Flute | SHANK 3mm



ØD Tolerance:
+0 / -0.005 mm (0.1≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-SV-0010	0.10	0.0039	0.6	0.024	38	3	●
ADRS-SV-0011	0.11	0.0043	0.6	0.024	38	3	●
ADRS-SV-0012	0.12	0.0047	0.6	0.024	38	3	●
ADRS-SV-0013	0.13	0.0051	0.6	0.024	38	3	●
ADRS-SV-0014	0.14	0.0055	0.6	0.024	38	3	●
ADRS-SV-0015	0.15	0.0059	0.8	0.031	38	3	●
ADRS-SV-0016	0.16	0.0063	0.8	0.031	38	3	●
ADRS-SV-0017	0.17	0.0067	0.8	0.031	38	3	●
ADRS-SV-0018	0.18	0.0071	1	0.039	38	3	●
ADRS-SV-0019	0.19	0.0075	1	0.039	38	3	●
ADRS-SV-0020	0.20	0.0079	1	0.039	38	3	●
ADRS-SV-0021	0.21	0.0083	1	0.039	38	3	●
ADRS-SV-0022	0.22	0.0087	1.2	0.047	38	3	●
ADRS-SV-0023	0.23	0.0091	1.2	0.047	38	3	●
ADRS-SV-0024	0.24	0.0094	1.2	0.047	38	3	●
ADRS-SV-0025	0.25	0.0098	1.5	0.059	38	3	●
ADRS-SV-0026	0.26	0.0102	1.5	0.059	38	3	●
ADRS-SV-0027	0.27	0.0106	1.5	0.059	38	3	●
ADRS-SV-0028	0.28	0.0110	1.5	0.059	38	3	●
ADRS-SV-0029	0.29	0.0114	1.5	0.059	38	3	●
ADRS-SV-0030	0.30	0.0118	2.5	0.098	38	3	●
ADRS-SV-0031	0.31	0.0122	2.5	0.098	38	3	●
ADRS-SV-0032	0.32	0.0126	2.5	0.098	38	3	●
ADRS-SV-0033	0.33	0.0130	2.5	0.098	38	3	●
ADRS-SV-0034	0.34	0.0134	2.5	0.098	38	3	●
ADRS-SV-0035	0.35	0.0138	2.5	0.098	38	3	●
ADRS-SV-0036	0.36	0.0142	2.5	0.098	38	3	●
ADRS-SV-0037	0.37	0.0146	2.5	0.098	38	3	●
ADRS-SV-0038	0.38	0.0150	2.5	0.098	38	3	●
ADRS-SV-0039	0.39	0.0154	2.5	0.098	38	3	●
ADRS-SV-0040	0.40	0.0157	3	0.118	38	3	●
ADRS-SV-0041	0.41	0.0161	3	0.118	38	3	●
ADRS-SV-0042	0.42	0.0165	3	0.118	38	3	●
ADRS-SV-0043	0.43	0.0169	3	0.118	38	3	●
ADRS-SV-0044	0.44	0.0173	3	0.118	38	3	●
ADRS-SV-0045	0.45	0.0177	3	0.118	38	3	●
ADRS-SV-0046	0.46	0.0181	3	0.118	38	3	●
ADRS-SV-0047	0.47	0.0185	3	0.118	38	3	●
ADRS-SV-0048	0.48	0.0189	3	0.118	38	3	●
ADRS-SV-0049	0.49	0.0193	3	0.118	38	3	●
ADRS-SV-0050	0.50	0.0197	3	0.118	38	3	●
ADRS-SV-0051	0.51	0.0201	3	0.118	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-SV-0052	0.52	0.0205	3	0.118	38	3	●
ADRS-SV-0053	0.53	0.0209	3	0.118	38	3	●
ADRS-SV-0054	0.54	0.0213	3	0.118	38	3	●
ADRS-SV-0055	0.55	0.0217	3	0.118	38	3	●
ADRS-SV-0056	0.56	0.0220	3	0.118	38	3	●
ADRS-SV-0057	0.57	0.0224	3	0.118	38	3	●
ADRS-SV-0058	0.58	0.0228	3	0.118	38	3	●
ADRS-SV-0059	0.59	0.0232	3	0.118	38	3	●
ADRS-SV-0060	0.60	0.0236	3	0.118	38	3	●
ADRS-SV-0061	0.61	0.0240	3	0.118	38	3	●
ADRS-SV-0062	0.62	0.0244	3	0.118	38	3	●
ADRS-SV-0063	0.63	0.0248	3	0.118	38	3	●
ADRS-SV-0064	0.64	0.0252	3	0.118	38	3	●
ADRS-SV-0065	0.65	0.0256	3	0.118	38	3	●
ADRS-SV-0066	0.66	0.0260	3	0.118	38	3	●
ADRS-SV-0067	0.67	0.0264	3	0.118	38	3	●
ADRS-SV-0068	0.68	0.0268	3	0.118	38	3	●
ADRS-SV-0069	0.69	0.0272	3	0.118	38	3	●
ADRS-SV-0070	0.70	0.0276	4	0.157	38	3	●
ADRS-SV-0071	0.71	0.0280	4	0.157	38	3	●
ADRS-SV-0072	0.72	0.0283	4	0.157	38	3	●
ADRS-SV-0073	0.73	0.0287	4	0.157	38	3	●
ADRS-SV-0074	0.74	0.0291	4	0.157	38	3	●
ADRS-SV-0075	0.75	0.0295	4	0.157	38	3	●
ADRS-SV-0076	0.76	0.0299	4	0.157	38	3	●
ADRS-SV-0077	0.77	0.0303	4	0.157	38	3	●
ADRS-SV-0078	0.78	0.0307	4	0.157	38	3	●
ADRS-SV-0079	0.79	0.0311	4	0.157	38	3	●
ADRS-SV-0080	0.80	0.0315	4	0.157	38	3	●
ADRS-SV-0081	0.81	0.0319	4	0.157	38	3	●
ADRS-SV-0082	0.82	0.0323	4	0.157	38	3	●
ADRS-SV-0083	0.83	0.0327	4	0.157	38	3	●
ADRS-SV-0084	0.84	0.0331	4	0.157	38	3	●
ADRS-SV-0085	0.85	0.0335	4	0.157	38	3	●
ADRS-SV-0086	0.86	0.0339	4	0.157	38	3	●
ADRS-SV-0087	0.87	0.0343	4	0.157	38	3	●
ADRS-SV-0088	0.88	0.0346	4	0.157	38	3	●
ADRS-SV-0089	0.89	0.0350	4	0.157	38	3	●
ADRS-SV-0090	0.90	0.0354	4	0.157	38	3	●
ADRS-SV-0091	0.91	0.0358	4	0.157	38	3	●
ADRS-SV-0092	0.92	0.0362	4	0.157	38	3	●
ADRS-SV-0093	0.93	0.0366	4	0.157	38	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
◎	◎	◎	◎	◎			○	◎	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-SV-0094	0.94	0.0370	4	0.157	38	3	●
ADRS-SV-0095	0.95	0.0374	4	0.157	38	3	●
ADRS-SV-0096	0.96	0.0378	4	0.157	38	3	●
ADRS-SV-0097	0.97	0.0382	4	0.157	38	3	●
ADRS-SV-0098	0.98	0.0386	4	0.157	38	3	●
ADRS-SV-0099	0.99	0.0390	4	0.157	38	3	●
ADRS-SV-0100	1.00	0.0394	5	0.197	38	3	●
ADRS-SV-0101	1.01	0.0398	5	0.197	38	3	●
ADRS-SV-0102	1.02	0.0402	5	0.197	38	3	●
ADRS-SV-0103	1.03	0.0406	5	0.197	38	3	●
ADRS-SV-0104	1.04	0.0409	5	0.197	38	3	●
ADRS-SV-0105	1.05	0.0413	5	0.197	38	3	●
ADRS-SV-0106	1.06	0.0417	5	0.197	38	3	●
ADRS-SV-0107	1.07	0.0421	5	0.197	38	3	●
ADRS-SV-0108	1.08	0.0425	5	0.197	38	3	●
ADRS-SV-0109	1.09	0.0429	5	0.197	38	3	●
ADRS-SV-0110	1.10	0.0433	5	0.197	38	3	●
ADRS-SV-0111	1.11	0.0437	5	0.197	38	3	●
ADRS-SV-0112	1.12	0.0441	5	0.197	38	3	●
ADRS-SV-0113	1.13	0.0445	5	0.197	38	3	●
ADRS-SV-0114	1.14	0.0449	5	0.197	38	3	●
ADRS-SV-0115	1.15	0.0453	5	0.197	38	3	●
ADRS-SV-0116	1.16	0.0457	5	0.197	38	3	●
ADRS-SV-0117	1.17	0.0461	5	0.197	38	3	●
ADRS-SV-0118	1.18	0.0465	5	0.197	38	3	●
ADRS-SV-0119	1.19	0.0469	5	0.197	38	3	●
ADRS-SV-0120	1.20	0.0472	5	0.197	38	3	●
ADRS-SV-0121	1.21	0.0476	5	0.197	38	3	●
ADRS-SV-0122	1.22	0.0480	5	0.197	38	3	●
ADRS-SV-0123	1.23	0.0484	5	0.197	38	3	●
ADRS-SV-0124	1.24	0.0488	5	0.197	38	3	●
ADRS-SV-0125	1.25	0.0492	5	0.197	38	3	●
ADRS-SV-0126	1.26	0.0496	5	0.197	38	3	●
ADRS-SV-0127	1.27	0.0500	5	0.197	38	3	●
ADRS-SV-0128	1.28	0.0504	5	0.197	38	3	●
ADRS-SV-0129	1.29	0.0508	5	0.197	38	3	●
ADRS-SV-0130	1.30	0.0512	5	0.197	38	3	●
ADRS-SV-0131	1.31	0.0516	5	0.197	38	3	●
ADRS-SV-0132	1.32	0.0520	5	0.197	38	3	●
ADRS-SV-0133	1.33	0.0524	5	0.197	38	3	●
ADRS-SV-0134	1.34	0.0528	5	0.197	38	3	●
ADRS-SV-0135	1.35	0.0531	5	0.197	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-SV-0136	1.36	0.0535	5	0.197	38	3	●
ADRS-SV-0137	1.37	0.0539	5	0.197	38	3	●
ADRS-SV-0138	1.38	0.0543	5	0.197	38	3	●
ADRS-SV-0139	1.39	0.0547	5	0.197	38	3	●
ADRS-SV-0140	1.40	0.0551	5	0.197	38	3	●
ADRS-SV-0141	1.41	0.0555	5	0.197	38	3	●
ADRS-SV-0142	1.42	0.0559	5	0.197	38	3	●
ADRS-SV-0143	1.43	0.0563	5	0.197	38	3	●
ADRS-SV-0144	1.44	0.0567	5	0.197	38	3	●
ADRS-SV-0145	1.45	0.0571	5	0.197	38	3	●
ADRS-SV-0146	1.46	0.0575	5	0.197	38	3	●
ADRS-SV-0147	1.47	0.0579	5	0.197	38	3	●
ADRS-SV-0148	1.48	0.0583	5	0.197	38	3	●
ADRS-SV-0149	1.49	0.0587	5	0.197	38	3	●
ADRS-SV-0150	1.50	0.0591	5	0.197	38	3	●
ADRS-SV-0151	1.51	0.0594	5	0.197	38	3	●
ADRS-SV-0152	1.52	0.0598	5	0.197	38	3	●
ADRS-SV-0153	1.53	0.0602	5	0.197	38	3	●
ADRS-SV-0154	1.54	0.0606	5	0.197	38	3	●
ADRS-SV-0155	1.55	0.0610	5	0.197	38	3	●
ADRS-SV-0156	1.56	0.0614	5	0.197	38	3	●
ADRS-SV-0157	1.57	0.0618	5	0.197	38	3	●
ADRS-SV-0158	1.58	0.0622	5	0.197	38	3	●
ADRS-SV-0159	1.59	0.0626	5	0.197	38	3	●
ADRS-SV-0160	1.60	0.0630	10	0.394	38	3	●
ADRS-SV-0161	1.61	0.0634	10	0.394	38	3	●
ADRS-SV-0162	1.62	0.0638	10	0.394	38	3	●
ADRS-SV-0163	1.63	0.0642	10	0.394	38	3	●
ADRS-SV-0164	1.64	0.0646	10	0.394	38	3	●
ADRS-SV-0165	1.65	0.0650	10	0.394	38	3	●
ADRS-SV-0166	1.66	0.0654	10	0.394	38	3	●
ADRS-SV-0167	1.67	0.0657	10	0.394	38	3	●
ADRS-SV-0168	1.68	0.0661	10	0.394	38	3	●
ADRS-SV-0169	1.69	0.0665	10	0.394	38	3	●
ADRS-SV-0170	1.70	0.0669	10	0.394	38	3	●
ADRS-SV-0171	1.71	0.0673	10	0.394	38	3	●
ADRS-SV-0172	1.72	0.0677	10	0.394	38	3	●
ADRS-SV-0173	1.73	0.0681	10	0.394	38	3	●
ADRS-SV-0174	1.74	0.0685	10	0.394	38	3	●
ADRS-SV-0175	1.75	0.0689	10	0.394	38	3	●
ADRS-SV-0176	1.76	0.0693	10	0.394	38	3	●
ADRS-SV-0177	1.77	0.0697	10	0.394	38	3	●

● US Stock Item ○ Japan Stock Item

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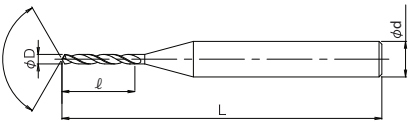
Cutting Conditions P.115

Short, FCS Coated, For Steels

ADRS-SV (Cont.)

MICRO GRAIN | FCS Coating | 120° (D<1.6mm) | 135° (D≥1.6mm) | 30° | X Thinning (D≥1.6mm) | Short Flute | SHANK 3mm



ØD Tolerance:
+0 / -0.005 mm (0.1≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-SV-0178	1.78	0.0701	10	0.394	38	3	●
ADRS-SV-0179	1.79	0.0705	10	0.394	38	3	●
ADRS-SV-0180	1.80	0.0709	10	0.394	38	3	●
ADRS-SV-0181	1.81	0.0713	10	0.394	38	3	●
ADRS-SV-0182	1.82	0.0717	10	0.394	38	3	●
ADRS-SV-0183	1.83	0.0720	10	0.394	38	3	●
ADRS-SV-0184	1.84	0.0724	10	0.394	38	3	●
ADRS-SV-0185	1.85	0.0728	10	0.394	38	3	●
ADRS-SV-0186	1.86	0.0732	10	0.394	38	3	●
ADRS-SV-0187	1.87	0.0736	10	0.394	38	3	●
ADRS-SV-0188	1.88	0.0740	10	0.394	38	3	●
ADRS-SV-0189	1.89	0.0744	10	0.394	38	3	●
ADRS-SV-0190	1.90	0.0748	10	0.394	38	3	●
ADRS-SV-0191	1.91	0.0752	10	0.394	38	3	●
ADRS-SV-0192	1.92	0.0756	10	0.394	38	3	●
ADRS-SV-0193	1.93	0.0760	10	0.394	38	3	●
ADRS-SV-0194	1.94	0.0764	10	0.394	38	3	●
ADRS-SV-0195	1.95	0.0768	10	0.394	38	3	●
ADRS-SV-0196	1.96	0.0772	10	0.394	38	3	●
ADRS-SV-0197	1.97	0.0776	10	0.394	38	3	●
ADRS-SV-0198	1.98	0.0780	10	0.394	38	3	●
ADRS-SV-0199	1.99	0.0783	10	0.394	38	3	●
ADRS-SV-0200	2.00	0.0787	10	0.394	38	3	●
ADRS-SV-0201	2.01	0.0791	10	0.394	38	3	●
ADRS-SV-0202	2.02	0.0795	10	0.394	38	3	●
ADRS-SV-0203	2.03	0.0799	10	0.394	38	3	●
ADRS-SV-0204	2.04	0.0803	10	0.394	38	3	●
ADRS-SV-0205	2.05	0.0807	10	0.394	38	3	●
ADRS-SV-0206	2.06	0.0811	10	0.394	38	3	●
ADRS-SV-0207	2.07	0.0815	10	0.394	38	3	●
ADRS-SV-0208	2.08	0.0819	10	0.394	38	3	●
ADRS-SV-0209	2.09	0.0823	10	0.394	38	3	●
ADRS-SV-0210	2.10	0.0827	10	0.394	38	3	●
ADRS-SV-0211	2.11	0.0831	10	0.394	38	3	●
ADRS-SV-0212	2.12	0.0835	10	0.394	38	3	●
ADRS-SV-0213	2.13	0.0839	10	0.394	38	3	●
ADRS-SV-0214	2.14	0.0843	10	0.394	38	3	●
ADRS-SV-0215	2.15	0.0846	10	0.394	38	3	●
ADRS-SV-0216	2.16	0.0850	10	0.394	38	3	●
ADRS-SV-0217	2.17	0.0854	10	0.394	38	3	●
ADRS-SV-0218	2.18	0.0858	10	0.394	38	3	●
ADRS-SV-0219	2.19	0.0862	10	0.394	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-SV-0220	2.20	0.0866	10	0.394	38	3	●
ADRS-SV-0221	2.21	0.0870	10	0.394	38	3	●
ADRS-SV-0222	2.22	0.0874	10	0.394	38	3	●
ADRS-SV-0223	2.23	0.0878	10	0.394	38	3	●
ADRS-SV-0224	2.24	0.0882	10	0.394	38	3	●
ADRS-SV-0225	2.25	0.0886	10	0.394	38	3	●
ADRS-SV-0226	2.26	0.0890	10	0.394	38	3	●
ADRS-SV-0227	2.27	0.0894	10	0.394	38	3	●
ADRS-SV-0228	2.28	0.0898	10	0.394	38	3	●
ADRS-SV-0229	2.29	0.0902	10	0.394	38	3	●
ADRS-SV-0230	2.30	0.0906	10	0.394	38	3	●
ADRS-SV-0231	2.31	0.0909	10	0.394	38	3	●
ADRS-SV-0232	2.32	0.0913	10	0.394	38	3	●
ADRS-SV-0233	2.33	0.0917	10	0.394	38	3	●
ADRS-SV-0234	2.34	0.0921	10	0.394	38	3	●
ADRS-SV-0235	2.35	0.0925	10	0.394	38	3	●
ADRS-SV-0236	2.36	0.0929	10	0.394	38	3	●
ADRS-SV-0237	2.37	0.0933	10	0.394	38	3	●
ADRS-SV-0238	2.38	0.0937	10	0.394	38	3	●
ADRS-SV-0239	2.39	0.0941	10	0.394	38	3	●
ADRS-SV-0240	2.40	0.0945	10	0.394	38	3	●
ADRS-SV-0241	2.41	0.0949	10	0.394	38	3	●
ADRS-SV-0242	2.42	0.0953	10	0.394	38	3	●
ADRS-SV-0243	2.43	0.0957	10	0.394	38	3	●
ADRS-SV-0244	2.44	0.0961	10	0.394	38	3	●
ADRS-SV-0245	2.45	0.0965	10	0.394	38	3	●
ADRS-SV-0246	2.46	0.0969	10	0.394	38	3	●
ADRS-SV-0247	2.47	0.0972	10	0.394	38	3	●
ADRS-SV-0248	2.48	0.0976	10	0.394	38	3	●
ADRS-SV-0249	2.49	0.0980	10	0.394	38	3	●
ADRS-SV-0250	2.50	0.0984	10	0.394	38	3	●
ADRS-SV-0251	2.51	0.0988	10	0.394	38	3	●
ADRS-SV-0252	2.52	0.0992	10	0.394	38	3	●
ADRS-SV-0253	2.53	0.0996	10	0.394	38	3	●
ADRS-SV-0254	2.54	0.1000	10	0.394	38	3	●
ADRS-SV-0255	2.55	0.1004	10	0.394	38	3	●
ADRS-SV-0256	2.56	0.1008	10	0.394	38	3	●
ADRS-SV-0257	2.57	0.1012	10	0.394	38	3	●
ADRS-SV-0258	2.58	0.1016	10	0.394	38	3	●
ADRS-SV-0259	2.59	0.1020	10	0.394	38	3	●
ADRS-SV-0260	2.60	0.1024	10	0.394	38	3	●
ADRS-SV-0261	2.61	0.1028	10	0.394	38	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
◎	◎	◎	◎	◎			○	◎	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-SV-0262	2.62	0.1031	10	0.394	38	3	●
ADRS-SV-0263	2.63	0.1035	10	0.394	38	3	●
ADRS-SV-0264	2.64	0.1039	10	0.394	38	3	●
ADRS-SV-0265	2.65	0.1043	10	0.394	38	3	●
ADRS-SV-0266	2.66	0.1047	10	0.394	38	3	●
ADRS-SV-0267	2.67	0.1051	10	0.394	38	3	●
ADRS-SV-0268	2.68	0.1055	10	0.394	38	3	●
ADRS-SV-0269	2.69	0.1059	10	0.394	38	3	●
ADRS-SV-0270	2.70	0.1063	12	0.472	38	3	●
ADRS-SV-0271	2.71	0.1067	12	0.472	38	3	●
ADRS-SV-0272	2.72	0.1071	12	0.472	38	3	●
ADRS-SV-0273	2.73	0.1075	12	0.472	38	3	●
ADRS-SV-0274	2.74	0.1079	12	0.472	38	3	●
ADRS-SV-0275	2.75	0.1083	12	0.472	38	3	●
ADRS-SV-0276	2.76	0.1087	12	0.472	38	3	●
ADRS-SV-0277	2.77	0.1091	12	0.472	38	3	●
ADRS-SV-0278	2.78	0.1094	12	0.472	38	3	●
ADRS-SV-0279	2.79	0.1098	12	0.472	38	3	●
ADRS-SV-0280	2.80	0.1102	12	0.472	38	3	●
ADRS-SV-0281	2.81	0.1106	12	0.472	38	3	●

● US Stock Item ○ Japan Stock Item

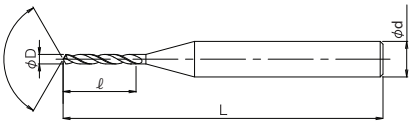
PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRS-SV-0282	2.82	0.1110	12	0.472	38	3	●
ADRS-SV-0283	2.83	0.1114	12	0.472	38	3	●
ADRS-SV-0284	2.84	0.1118	12	0.472	38	3	●
ADRS-SV-0285	2.85	0.1122	12	0.472	38	3	●
ADRS-SV-0286	2.86	0.1126	12	0.472	38	3	●
ADRS-SV-0287	2.87	0.1130	12	0.472	38	3	●
ADRS-SV-0288	2.88	0.1134	12	0.472	38	3	●
ADRS-SV-0289	2.89	0.1138	12	0.472	38	3	●
ADRS-SV-0290	2.90	0.1142	12	0.472	38	3	●
ADRS-SV-0291	2.91	0.1146	12	0.472	38	3	●
ADRS-SV-0292	2.92	0.1150	12	0.472	38	3	●
ADRS-SV-0293	2.93	0.1154	12	0.472	38	3	●
ADRS-SV-0294	2.94	0.1157	12	0.472	38	3	●
ADRS-SV-0295	2.95	0.1161	12	0.472	38	3	●
ADRS-SV-0296	2.96	0.1165	12	0.472	38	3	●
ADRS-SV-0297	2.97	0.1169	12	0.472	38	3	●
ADRS-SV-0298	2.98	0.1173	12	0.472	38	3	●
ADRS-SV-0299	2.99	0.1177	12	0.472	38	3	●
ADRS-SV-0300	3.00	0.1181	12	0.472	38	3	●

Cutting Conditions P.115

Regular, FCS Coated, For Steels

ADR-SV

MICRO GRAIN | FCS Coating | 120° (D<1.6mm) | 135° (D≥1.6mm) | 30° | X Thinning (D≥1.6mm) | Regular Flute | SHANK 3mm



*For drills 0.09 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.02≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SV-0002	0.02	0.0008	0.2	0.008	38	3	●
ADR-SV-0003	0.03	0.0012	0.3	0.012	38	3	●
ADR-SV-0004	0.04	0.0016	0.4	0.016	38	3	●
ADR-SV-0005	0.05	0.0020	0.5	0.020	38	3	●
ADR-SV-0006	0.06	0.0024	0.6	0.024	38	3	●
ADR-SV-0007	0.07	0.0028	0.7	0.028	38	3	●
ADR-SV-0008	0.08	0.0031	0.8	0.031	38	3	●
ADR-SV-0009	0.09	0.0035	0.9	0.035	38	3	●
ADR-SV-0010	0.10	0.0039	1.2	0.047	38	3	●
ADR-SV-0011	0.11	0.0043	1.2	0.047	38	3	●
ADR-SV-0012	0.12	0.0047	1.4	0.055	38	3	●
ADR-SV-0013	0.13	0.0051	1.4	0.055	38	3	●
ADR-SV-0014	0.14	0.0055	1.4	0.055	38	3	●
ADR-SV-0015	0.15	0.0059	1.8	0.071	38	3	●
ADR-SV-0016	0.16	0.0063	1.8	0.071	38	3	●
ADR-SV-0017	0.17	0.0067	1.8	0.071	38	3	●
ADR-SV-0018	0.18	0.0071	2.1	0.083	38	3	●
ADR-SV-0019	0.19	0.0075	2.1	0.083	38	3	●
ADR-SV-0020	0.20	0.0079	2.4	0.094	38	3	●
ADR-SV-0021	0.21	0.0083	2.4	0.094	38	3	●
ADR-SV-0022	0.22	0.0087	2.6	0.102	38	3	●
ADR-SV-0023	0.23	0.0091	2.6	0.102	38	3	●
ADR-SV-0024	0.24	0.0094	2.6	0.102	38	3	●
ADR-SV-0025	0.25	0.0098	3	0.118	38	3	●
ADR-SV-0026	0.26	0.0102	3	0.118	38	3	●
ADR-SV-0027	0.27	0.0106	3	0.118	38	3	●
ADR-SV-0028	0.28	0.0110	3.3	0.130	38	3	●
ADR-SV-0029	0.29	0.0114	3.3	0.130	38	3	●
ADR-SV-0030	0.30	0.0118	5	0.197	38	3	●
ADR-SV-0031	0.31	0.0122	5	0.197	38	3	●
ADR-SV-0032	0.32	0.0126	5	0.197	38	3	●
ADR-SV-0033	0.33	0.0130	5	0.197	38	3	●
ADR-SV-0034	0.34	0.0134	5	0.197	38	3	●
ADR-SV-0035	0.35	0.0138	5	0.197	38	3	●
ADR-SV-0036	0.36	0.0142	5	0.197	38	3	●
ADR-SV-0037	0.37	0.0146	5	0.197	38	3	●
ADR-SV-0038	0.38	0.0150	5	0.197	38	3	●
ADR-SV-0039	0.39	0.0154	5	0.197	38	3	●
ADR-SV-0040	0.40	0.0157	6	0.236	38	3	●
ADR-SV-0041	0.41	0.0161	6	0.236	38	3	●
ADR-SV-0042	0.42	0.0165	6	0.236	38	3	●
ADR-SV-0043	0.43	0.0169	6	0.236	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SV-0044	0.44	0.0173	6	0.236	38	3	●
ADR-SV-0045	0.45	0.0177	6	0.236	38	3	●
ADR-SV-0046	0.46	0.0181	6	0.236	38	3	●
ADR-SV-0047	0.47	0.0185	6	0.236	38	3	●
ADR-SV-0048	0.48	0.0189	6	0.236	38	3	●
ADR-SV-0049	0.49	0.0193	6	0.236	38	3	●
ADR-SV-0050	0.50	0.0197	6	0.236	38	3	●
ADR-SV-0051	0.51	0.0201	6	0.236	38	3	●
ADR-SV-0052	0.52	0.0205	6	0.236	38	3	●
ADR-SV-0053	0.53	0.0209	6	0.236	38	3	●
ADR-SV-0054	0.54	0.0213	6	0.236	38	3	●
ADR-SV-0055	0.55	0.0217	6	0.236	38	3	●
ADR-SV-0056	0.56	0.0220	6	0.236	38	3	●
ADR-SV-0057	0.57	0.0224	6	0.236	38	3	●
ADR-SV-0058	0.58	0.0228	6	0.236	38	3	●
ADR-SV-0059	0.59	0.0232	6	0.236	38	3	●
ADR-SV-0060	0.60	0.0236	7	0.276	38	3	●
ADR-SV-0061	0.61	0.0240	7	0.276	38	3	●
ADR-SV-0062	0.62	0.0244	7	0.276	38	3	●
ADR-SV-0063	0.63	0.0248	7	0.276	38	3	●
ADR-SV-0064	0.64	0.0252	7	0.276	38	3	●
ADR-SV-0065	0.65	0.0256	7	0.276	38	3	●
ADR-SV-0066	0.66	0.0260	7	0.276	38	3	●
ADR-SV-0067	0.67	0.0264	7	0.276	38	3	●
ADR-SV-0068	0.68	0.0268	7	0.276	38	3	●
ADR-SV-0069	0.69	0.0272	7	0.276	38	3	●
ADR-SV-0070	0.70	0.0276	8	0.315	38	3	●
ADR-SV-0071	0.71	0.0280	8	0.315	38	3	●
ADR-SV-0072	0.72	0.0283	8	0.315	38	3	●
ADR-SV-0073	0.73	0.0287	8	0.315	38	3	●
ADR-SV-0074	0.74	0.0291	8	0.315	38	3	●
ADR-SV-0075	0.75	0.0295	8	0.315	38	3	●
ADR-SV-0076	0.76	0.0299	8	0.315	38	3	●
ADR-SV-0077	0.77	0.0303	8	0.315	38	3	●
ADR-SV-0078	0.78	0.0307	8	0.315	38	3	●
ADR-SV-0079	0.79	0.0311	8	0.315	38	3	●
ADR-SV-0080	0.80	0.0315	8	0.315	38	3	●
ADR-SV-0081	0.81	0.0319	8	0.315	38	3	●
ADR-SV-0082	0.82	0.0323	8	0.315	38	3	●
ADR-SV-0083	0.83	0.0327	8	0.315	38	3	●
ADR-SV-0084	0.84	0.0331	8	0.315	38	3	●
ADR-SV-0085	0.85	0.0335	8	0.315	38	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
◎	◎	◎	◎	◎			○	◎	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SV-0086	0.86	0.0339	8	0.315	38	3	●
ADR-SV-0087	0.87	0.0343	8	0.315	38	3	●
ADR-SV-0088	0.88	0.0346	8	0.315	38	3	●
ADR-SV-0089	0.89	0.0350	8	0.315	38	3	●
ADR-SV-0090	0.90	0.0354	8	0.315	38	3	●
ADR-SV-0091	0.91	0.0358	8	0.315	38	3	●
ADR-SV-0092	0.92	0.0362	8	0.315	38	3	●
ADR-SV-0093	0.93	0.0366	8	0.315	38	3	●
ADR-SV-0094	0.94	0.0370	8	0.315	38	3	●
ADR-SV-0095	0.95	0.0374	8	0.315	38	3	●
ADR-SV-0096	0.96	0.0378	8	0.315	38	3	●
ADR-SV-0097	0.97	0.0382	8	0.315	38	3	●
ADR-SV-0098	0.98	0.0386	8	0.315	38	3	●
ADR-SV-0099	0.99	0.0390	8	0.315	38	3	●
ADR-SV-0100	1.00	0.0394	10	0.394	38	3	●
ADR-SV-0101	1.01	0.0398	10	0.394	38	3	●
ADR-SV-0102	1.02	0.0402	10	0.394	38	3	●
ADR-SV-0103	1.03	0.0406	10	0.394	38	3	●
ADR-SV-0104	1.04	0.0409	10	0.394	38	3	●
ADR-SV-0105	1.05	0.0413	10	0.394	38	3	●
ADR-SV-0106	1.06	0.0417	10	0.394	38	3	●
ADR-SV-0107	1.07	0.0421	10	0.394	38	3	●
ADR-SV-0108	1.08	0.0425	10	0.394	38	3	●
ADR-SV-0109	1.09	0.0429	10	0.394	38	3	●
ADR-SV-0110	1.10	0.0433	10	0.394	38	3	●
ADR-SV-0111	1.11	0.0437	10	0.394	38	3	●
ADR-SV-0112	1.12	0.0441	10	0.394	38	3	●
ADR-SV-0113	1.13	0.0445	10	0.394	38	3	●
ADR-SV-0114	1.14	0.0449	10	0.394	38	3	●
ADR-SV-0115	1.15	0.0453	10	0.394	38	3	●
ADR-SV-0116	1.16	0.0457	10	0.394	38	3	●
ADR-SV-0117	1.17	0.0461	10	0.394	38	3	●
ADR-SV-0118	1.18	0.0465	10	0.394	38	3	●
ADR-SV-0119	1.19	0.0469	10	0.394	38	3	●
ADR-SV-0120	1.20	0.0472	10	0.394	38	3	●
ADR-SV-0121	1.21	0.0476	10	0.394	38	3	●
ADR-SV-0122	1.22	0.0480	10	0.394	38	3	●
ADR-SV-0123	1.23	0.0484	10	0.394	38	3	●
ADR-SV-0124	1.24	0.0488	10	0.394	38	3	●
ADR-SV-0125	1.25	0.0492	10	0.394	38	3	●
ADR-SV-0126	1.26	0.0496	10	0.394	38	3	●
ADR-SV-0127	1.27	0.0500	10	0.394	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SV-0128	1.28	0.0504	10	0.394	38	3	●
ADR-SV-0129	1.29	0.0508	10	0.394	38	3	●
ADR-SV-0130	1.30	0.0512	10	0.394	38	3	●
ADR-SV-0131	1.31	0.0516	10	0.394	38	3	●
ADR-SV-0132	1.32	0.0520	10	0.394	38	3	●
ADR-SV-0133	1.33	0.0524	10	0.394	38	3	●
ADR-SV-0134	1.34	0.0528	10	0.394	38	3	●
ADR-SV-0135	1.35	0.0531	10	0.394	38	3	●
ADR-SV-0136	1.36	0.0535	10	0.394	38	3	●
ADR-SV-0137	1.37	0.0539	10	0.394	38	3	●
ADR-SV-0138	1.38	0.0543	10	0.394	38	3	●
ADR-SV-0139	1.39	0.0547	10	0.394	38	3	●
ADR-SV-0140	1.40	0.0551	10	0.394	38	3	●
ADR-SV-0141	1.41	0.0555	10	0.394	38	3	●
ADR-SV-0142	1.42	0.0559	10	0.394	38	3	●
ADR-SV-0143	1.43	0.0563	10	0.394	38	3	●
ADR-SV-0144	1.44	0.0567	10	0.394	38	3	●
ADR-SV-0145	1.45	0.0571	10	0.394	38	3	●
ADR-SV-0146	1.46	0.0575	10	0.394	38	3	●
ADR-SV-0147	1.47	0.0579	10	0.394	38	3	●
ADR-SV-0148	1.48	0.0583	10	0.394	38	3	●
ADR-SV-0149	1.49	0.0587	10	0.394	38	3	●
ADR-SV-0150	1.50	0.0591	10	0.394	38	3	●
ADR-SV-0151	1.51	0.0594	10	0.394	38	3	●
ADR-SV-0152	1.52	0.0598	10	0.394	38	3	●
ADR-SV-0153	1.53	0.0602	10	0.394	38	3	●
ADR-SV-0154	1.54	0.0606	10	0.394	38	3	●
ADR-SV-0155	1.55	0.0610	10	0.394	38	3	●
ADR-SV-0156	1.56	0.0614	10	0.394	38	3	●
ADR-SV-0157	1.57	0.0618	10	0.394	38	3	●
ADR-SV-0158	1.58	0.0622	10	0.394	38	3	●
ADR-SV-0159	1.59	0.0626	10	0.394	38	3	●
ADR-SV-0160	1.60	0.0630	16	0.630	45	3	●
ADR-SV-0161	1.61	0.0634	16	0.630	45	3	●
ADR-SV-0162	1.62	0.0638	16	0.630	45	3	●
ADR-SV-0163	1.63	0.0642	16	0.630	45	3	●
ADR-SV-0164	1.64	0.0646	16	0.630	45	3	●
ADR-SV-0165	1.65	0.0650	16	0.630	45	3	●
ADR-SV-0166	1.66	0.0654	16	0.630	45	3	●
ADR-SV-0167	1.67	0.0657	16	0.630	45	3	●
ADR-SV-0168	1.68	0.0661	16	0.630	45	3	●
ADR-SV-0169	1.69	0.0665	16	0.630	45	3	●

● US Stock Item ○ Japan Stock Item

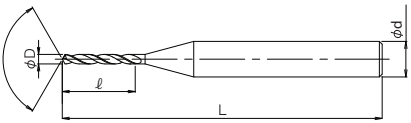
Next Page ▸

Cutting Conditions P.115

Regular, FCS Coated, For Steels

ADR-SV (Cont.)

MICRO GRAIN | FCS Coating | 120° (D<1.6mm) | 135° (D≥1.6mm) | 30° | X Thinning (D≥1.6mm) | Regular Flute | SHANK 3mm



*For drills 0.09 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.02≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SV-0170	1.70	0.0669	16	0.630	45	3	●
ADR-SV-0171	1.71	0.0673	16	0.630	45	3	●
ADR-SV-0172	1.72	0.0677	16	0.630	45	3	●
ADR-SV-0173	1.73	0.0681	16	0.630	45	3	●
ADR-SV-0174	1.74	0.0685	16	0.630	45	3	●
ADR-SV-0175	1.75	0.0689	16	0.630	45	3	●
ADR-SV-0176	1.76	0.0693	16	0.630	45	3	●
ADR-SV-0177	1.77	0.0697	16	0.630	45	3	●
ADR-SV-0178	1.78	0.0701	16	0.630	45	3	●
ADR-SV-0179	1.79	0.0705	16	0.630	45	3	●
ADR-SV-0180	1.80	0.0709	16	0.630	45	3	●
ADR-SV-0181	1.81	0.0713	16	0.630	45	3	●
ADR-SV-0182	1.82	0.0717	16	0.630	45	3	●
ADR-SV-0183	1.83	0.0720	16	0.630	45	3	●
ADR-SV-0184	1.84	0.0724	16	0.630	45	3	●
ADR-SV-0185	1.85	0.0728	16	0.630	45	3	●
ADR-SV-0186	1.86	0.0732	16	0.630	45	3	●
ADR-SV-0187	1.87	0.0736	16	0.630	45	3	●
ADR-SV-0188	1.88	0.0740	16	0.630	45	3	●
ADR-SV-0189	1.89	0.0744	16	0.630	45	3	●
ADR-SV-0190	1.90	0.0748	16	0.630	45	3	●
ADR-SV-0191	1.91	0.0752	16	0.630	45	3	●
ADR-SV-0192	1.92	0.0756	16	0.630	45	3	●
ADR-SV-0193	1.93	0.0760	16	0.630	45	3	●
ADR-SV-0194	1.94	0.0764	16	0.630	45	3	●
ADR-SV-0195	1.95	0.0768	16	0.630	45	3	●
ADR-SV-0196	1.96	0.0772	16	0.630	45	3	●
ADR-SV-0197	1.97	0.0776	16	0.630	45	3	●
ADR-SV-0198	1.98	0.0780	16	0.630	45	3	●
ADR-SV-0199	1.99	0.0783	16	0.630	45	3	●
ADR-SV-0200	2.00	0.0787	22	0.866	50	3	●
ADR-SV-0201	2.01	0.0791	22	0.866	50	3	●
ADR-SV-0202	2.02	0.0795	22	0.866	50	3	●
ADR-SV-0203	2.03	0.0799	22	0.866	50	3	●
ADR-SV-0204	2.04	0.0803	22	0.866	50	3	●
ADR-SV-0205	2.05	0.0807	22	0.866	50	3	●
ADR-SV-0206	2.06	0.0811	22	0.866	50	3	●
ADR-SV-0207	2.07	0.0815	22	0.866	50	3	●
ADR-SV-0208	2.08	0.0819	22	0.866	50	3	●
ADR-SV-0209	2.09	0.0823	22	0.866	50	3	●
ADR-SV-0210	2.10	0.0827	22	0.866	50	3	●
ADR-SV-0211	2.11	0.0831	22	0.866	50	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SV-0212	2.12	0.0835	22	0.866	50	3	●
ADR-SV-0213	2.13	0.0839	22	0.866	50	3	●
ADR-SV-0214	2.14	0.0843	22	0.866	50	3	●
ADR-SV-0215	2.15	0.0846	22	0.866	50	3	●
ADR-SV-0216	2.16	0.0850	22	0.866	50	3	●
ADR-SV-0217	2.17	0.0854	22	0.866	50	3	●
ADR-SV-0218	2.18	0.0858	22	0.866	50	3	●
ADR-SV-0219	2.19	0.0862	22	0.866	50	3	●
ADR-SV-0220	2.20	0.0866	22	0.866	50	3	●
ADR-SV-0221	2.21	0.0870	22	0.866	50	3	●
ADR-SV-0222	2.22	0.0874	22	0.866	50	3	●
ADR-SV-0223	2.23	0.0878	22	0.866	50	3	●
ADR-SV-0224	2.24	0.0882	22	0.866	50	3	●
ADR-SV-0225	2.25	0.0886	22	0.866	50	3	●
ADR-SV-0226	2.26	0.0890	22	0.866	50	3	●
ADR-SV-0227	2.27	0.0894	22	0.866	50	3	●
ADR-SV-0228	2.28	0.0898	22	0.866	50	3	●
ADR-SV-0229	2.29	0.0902	22	0.866	50	3	●
ADR-SV-0230	2.30	0.0906	22	0.866	50	3	●
ADR-SV-0231	2.31	0.0909	22	0.866	50	3	●
ADR-SV-0232	2.32	0.0913	22	0.866	50	3	●
ADR-SV-0233	2.33	0.0917	22	0.866	50	3	●
ADR-SV-0234	2.34	0.0921	22	0.866	50	3	●
ADR-SV-0235	2.35	0.0925	22	0.866	50	3	●
ADR-SV-0236	2.36	0.0929	22	0.866	50	3	●
ADR-SV-0237	2.37	0.0933	22	0.866	50	3	●
ADR-SV-0238	2.38	0.0937	22	0.866	50	3	●
ADR-SV-0239	2.39	0.0941	22	0.866	50	3	●
ADR-SV-0240	2.40	0.0945	22	0.866	50	3	●
ADR-SV-0241	2.41	0.0949	22	0.866	50	3	●
ADR-SV-0242	2.42	0.0953	22	0.866	50	3	●
ADR-SV-0243	2.43	0.0957	22	0.866	50	3	●
ADR-SV-0244	2.44	0.0961	22	0.866	50	3	●
ADR-SV-0245	2.45	0.0965	22	0.866	50	3	●
ADR-SV-0246	2.46	0.0969	22	0.866	50	3	●
ADR-SV-0247	2.47	0.0972	22	0.866	50	3	●
ADR-SV-0248	2.48	0.0976	22	0.866	50	3	●
ADR-SV-0249	2.49	0.0980	22	0.866	50	3	●
ADR-SV-0250	2.50	0.0984	22	0.866	50	3	●
ADR-SV-0251	2.51	0.0988	22	0.866	50	3	●
ADR-SV-0252	2.52	0.0992	22	0.866	50	3	●
ADR-SV-0253	2.53	0.0996	22	0.866	50	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
◎	◎	◎	◎	◎			○	◎	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SV-0254	2.54	0.1000	22	0.866	50	3	●
ADR-SV-0255	2.55	0.1004	22	0.866	50	3	●
ADR-SV-0256	2.56	0.1008	22	0.866	50	3	●
ADR-SV-0257	2.57	0.1012	22	0.866	50	3	●
ADR-SV-0258	2.58	0.1016	22	0.866	50	3	●
ADR-SV-0259	2.59	0.1020	22	0.866	50	3	●
ADR-SV-0260	2.60	0.1024	22	0.866	50	3	●
ADR-SV-0261	2.61	0.1028	22	0.866	50	3	●
ADR-SV-0262	2.62	0.1031	22	0.866	50	3	●
ADR-SV-0263	2.63	0.1035	22	0.866	50	3	●
ADR-SV-0264	2.64	0.1039	22	0.866	50	3	●
ADR-SV-0265	2.65	0.1043	22	0.866	50	3	●
ADR-SV-0266	2.66	0.1047	22	0.866	50	3	●
ADR-SV-0267	2.67	0.1051	22	0.866	50	3	●
ADR-SV-0268	2.68	0.1055	22	0.866	50	3	●
ADR-SV-0269	2.69	0.1059	22	0.866	50	3	●
ADR-SV-0270	2.70	0.1063	25	0.984	50	3	●
ADR-SV-0271	2.71	0.1067	25	0.984	50	3	●
ADR-SV-0272	2.72	0.1071	25	0.984	50	3	●
ADR-SV-0273	2.73	0.1075	25	0.984	50	3	●
ADR-SV-0274	2.74	0.1079	25	0.984	50	3	●
ADR-SV-0275	2.75	0.1083	25	0.984	50	3	●
ADR-SV-0276	2.76	0.1087	25	0.984	50	3	●
ADR-SV-0277	2.77	0.1091	25	0.984	50	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SV-0278	2.78	0.1094	25	0.984	50	3	●
ADR-SV-0279	2.79	0.1098	25	0.984	50	3	●
ADR-SV-0280	2.80	0.1102	25	0.984	50	3	●
ADR-SV-0281	2.81	0.1106	25	0.984	50	3	●
ADR-SV-0282	2.82	0.1110	25	0.984	50	3	●
ADR-SV-0283	2.83	0.1114	25	0.984	50	3	●
ADR-SV-0284	2.84	0.1118	25	0.984	50	3	●
ADR-SV-0285	2.85	0.1122	25	0.984	50	3	●
ADR-SV-0286	2.86	0.1126	25	0.984	50	3	●
ADR-SV-0287	2.87	0.1130	25	0.984	50	3	●
ADR-SV-0288	2.88	0.1134	25	0.984	50	3	●
ADR-SV-0289	2.89	0.1138	25	0.984	50	3	●
ADR-SV-0290	2.90	0.1142	25	0.984	50	3	●
ADR-SV-0291	2.91	0.1146	25	0.984	50	3	●
ADR-SV-0292	2.92	0.1150	25	0.984	50	3	●
ADR-SV-0293	2.93	0.1154	25	0.984	50	3	●
ADR-SV-0294	2.94	0.1157	25	0.984	50	3	●
ADR-SV-0295	2.95	0.1161	25	0.984	50	3	●
ADR-SV-0296	2.96	0.1165	25	0.984	50	3	●
ADR-SV-0297	2.97	0.1169	25	0.984	50	3	●
ADR-SV-0298	2.98	0.1173	25	0.984	50	3	●
ADR-SV-0299	2.99	0.1177	25	0.984	50	3	●
ADR-SV-0300	3.00	0.1181	25	0.984	50	3	●

● US Stock Item ○ Japan Stock Item

Cutting Conditions P.115

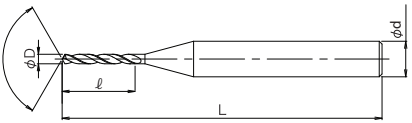
Semi Long, FCS Coated, For Steels

ADRSL-SV

MICRO GRAIN | FCS Coating | 120° | 135° | 30° | X Thinning | Semi Long Flute | SHANK 3mm

D<1.6mm D≥1.6mm

D≥1.6mm



*For drills 0.09 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.03≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRSL-SV-0003	0.03	0.0012	0.5	0.020	38	3	●
ADRSL-SV-0004	0.04	0.0016	0.6	0.024	38	3	●
ADRSL-SV-0005	0.05	0.0020	0.8	0.031	38	3	●
ADRSL-SV-0006	0.06	0.0024	0.8	0.031	38	3	●
ADRSL-SV-0007	0.07	0.0028	1.1	0.043	38	3	●
ADRSL-SV-0008	0.08	0.0031	1.2	0.047	38	3	●
ADRSL-SV-0009	0.09	0.0035	1.2	0.047	38	3	●
ADRSL-SV-0010	0.10	0.0039	1.9	0.075	38	3	●
ADRSL-SV-0011	0.11	0.0043	1.9	0.075	38	3	●
ADRSL-SV-0012	0.12	0.0047	2.2	0.087	38	3	●
ADRSL-SV-0013	0.13	0.0051	2.2	0.087	38	3	●
ADRSL-SV-0014	0.14	0.0055	2.2	0.087	38	3	●
ADRSL-SV-0015	0.15	0.0059	2.9	0.114	38	3	●
ADRSL-SV-0016	0.16	0.0063	2.9	0.114	38	3	●
ADRSL-SV-0017	0.17	0.0067	3.2	0.126	38	3	●
ADRSL-SV-0018	0.18	0.0071	3.3	0.130	38	3	●
ADRSL-SV-0019	0.19	0.0075	3.3	0.130	38	3	●
ADRSL-SV-0020	0.20	0.0079	4	0.157	38	3	●
ADRSL-SV-0021	0.21	0.0083	4	0.157	38	3	●
ADRSL-SV-0022	0.22	0.0087	4.3	0.169	38	3	●
ADRSL-SV-0023	0.23	0.0091	4.3	0.169	38	3	●
ADRSL-SV-0024	0.24	0.0094	4.3	0.169	38	3	●
ADRSL-SV-0025	0.25	0.0098	5	0.197	38	3	●
ADRSL-SV-0026	0.26	0.0102	5	0.197	38	3	●
ADRSL-SV-0027	0.27	0.0106	5	0.197	38	3	●
ADRSL-SV-0028	0.28	0.0110	5.2	0.205	38	3	●
ADRSL-SV-0029	0.29	0.0114	5.2	0.205	38	3	●
ADRSL-SV-0030	0.30	0.0118	7	0.276	38	3	●
ADRSL-SV-0031	0.31	0.0122	7	0.276	38	3	●
ADRSL-SV-0032	0.32	0.0126	7	0.276	38	3	●
ADRSL-SV-0033	0.33	0.0130	7	0.276	38	3	●
ADRSL-SV-0034	0.34	0.0134	7	0.276	38	3	●
ADRSL-SV-0035	0.35	0.0138	7	0.276	38	3	●
ADRSL-SV-0036	0.36	0.0142	7	0.276	38	3	●
ADRSL-SV-0037	0.37	0.0146	7	0.276	38	3	●
ADRSL-SV-0038	0.38	0.0150	7	0.276	38	3	●
ADRSL-SV-0039	0.39	0.0154	7	0.276	38	3	●
ADRSL-SV-0040	0.40	0.0157	9	0.354	38	3	●
ADRSL-SV-0041	0.41	0.0161	9	0.354	38	3	●
ADRSL-SV-0042	0.42	0.0165	9	0.354	38	3	●
ADRSL-SV-0043	0.43	0.0169	9	0.354	38	3	●
ADRSL-SV-0044	0.44	0.0173	9	0.354	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRSL-SV-0045	0.45	0.0177	9	0.354	38	3	●
ADRSL-SV-0046	0.46	0.0181	9	0.354	38	3	●
ADRSL-SV-0047	0.47	0.0185	9	0.354	38	3	●
ADRSL-SV-0048	0.48	0.0189	9	0.354	38	3	●
ADRSL-SV-0049	0.49	0.0193	9	0.354	38	3	●
ADRSL-SV-0050	0.50	0.0197	9	0.354	38	3	●
ADRSL-SV-0051	0.51	0.0201	9	0.354	38	3	●
ADRSL-SV-0052	0.52	0.0205	9	0.354	38	3	●
ADRSL-SV-0053	0.53	0.0209	9	0.354	38	3	●
ADRSL-SV-0054	0.54	0.0213	9	0.354	38	3	●
ADRSL-SV-0055	0.55	0.0217	9	0.354	38	3	●
ADRSL-SV-0056	0.56	0.0220	9	0.354	38	3	●
ADRSL-SV-0057	0.57	0.0224	9	0.354	38	3	●
ADRSL-SV-0058	0.58	0.0228	9	0.354	38	3	●
ADRSL-SV-0059	0.59	0.0232	9	0.354	38	3	●
ADRSL-SV-0060	0.60	0.0236	11	0.433	38	3	●
ADRSL-SV-0061	0.61	0.0240	11	0.433	38	3	●
ADRSL-SV-0062	0.62	0.0244	11	0.433	38	3	●
ADRSL-SV-0063	0.63	0.0248	11	0.433	38	3	●
ADRSL-SV-0064	0.64	0.0252	11	0.433	38	3	●
ADRSL-SV-0065	0.65	0.0256	11	0.433	38	3	●
ADRSL-SV-0066	0.66	0.0260	11	0.433	38	3	●
ADRSL-SV-0067	0.67	0.0264	11	0.433	38	3	●
ADRSL-SV-0068	0.68	0.0268	11	0.433	38	3	●
ADRSL-SV-0069	0.69	0.0272	11	0.433	38	3	●
ADRSL-SV-0070	0.70	0.0276	11	0.433	38	3	●
ADRSL-SV-0071	0.71	0.0280	11	0.433	38	3	●
ADRSL-SV-0072	0.72	0.0283	11	0.433	38	3	●
ADRSL-SV-0073	0.73	0.0287	11	0.433	38	3	●
ADRSL-SV-0074	0.74	0.0291	11	0.433	38	3	●
ADRSL-SV-0075	0.75	0.0295	11	0.433	38	3	●
ADRSL-SV-0076	0.76	0.0299	11	0.433	38	3	●
ADRSL-SV-0077	0.77	0.0303	11	0.433	38	3	●
ADRSL-SV-0078	0.78	0.0307	11	0.433	38	3	●
ADRSL-SV-0079	0.79	0.0311	11	0.433	38	3	●
ADRSL-SV-0080	0.80	0.0315	11	0.433	38	3	●
ADRSL-SV-0081	0.81	0.0319	11	0.433	38	3	●
ADRSL-SV-0082	0.82	0.0323	11	0.433	38	3	●
ADRSL-SV-0083	0.83	0.0327	11	0.433	38	3	●
ADRSL-SV-0084	0.84	0.0331	11	0.433	38	3	●
ADRSL-SV-0085	0.85	0.0335	11	0.433	38	3	●
ADRSL-SV-0086	0.86	0.0339	11	0.433	38	3	●

● US Stock Item ○ Japan Stock Item

3MM SHANK DRILLS

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
◎	◎	◎	◎	◎			○	◎	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRSL-SV-0087	0.87	0.0343	11	0.433	38	3	●
ADRSL-SV-0088	0.88	0.0346	11	0.433	38	3	●
ADRSL-SV-0089	0.89	0.0350	11	0.433	38	3	●
ADRSL-SV-0090	0.90	0.0354	11	0.433	38	3	●
ADRSL-SV-0091	0.91	0.0358	11	0.433	38	3	●
ADRSL-SV-0092	0.92	0.0362	11	0.433	38	3	●
ADRSL-SV-0093	0.93	0.0366	11	0.433	38	3	●
ADRSL-SV-0094	0.94	0.0370	11	0.433	38	3	●
ADRSL-SV-0095	0.95	0.0374	11	0.433	38	3	●
ADRSL-SV-0096	0.96	0.0378	11	0.433	38	3	●
ADRSL-SV-0097	0.97	0.0382	11	0.433	38	3	●
ADRSL-SV-0098	0.98	0.0386	11	0.433	38	3	●
ADRSL-SV-0099	0.99	0.0390	11	0.433	38	3	●
ADRSL-SV-0100	1.00	0.0394	15	0.591	45	3	●
ADRSL-SV-0105	1.05	0.0413	15	0.591	45	3	●
ADRSL-SV-0110	1.10	0.0433	15	0.591	45	3	●
ADRSL-SV-0115	1.15	0.0453	15	0.591	45	3	●
ADRSL-SV-0120	1.20	0.0472	15	0.591	45	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRSL-SV-0125	1.25	0.0492	15	0.591	45	3	●
ADRSL-SV-0130	1.30	0.0512	18	0.709	45	3	●
ADRSL-SV-0135	1.35	0.0531	18	0.709	45	3	●
ADRSL-SV-0140	1.40	0.0551	18	0.709	45	3	●
ADRSL-SV-0145	1.45	0.0571	18	0.709	45	3	●
ADRSL-SV-0150	1.50	0.0591	18	0.709	45	3	●
ADRSL-SV-0155	1.55	0.0610	18	0.709	45	3	●
ADRSL-SV-0160	1.60	0.0630	27	1.063	60	3	●
ADRSL-SV-0165	1.65	0.0650	27	1.063	60	3	●
ADRSL-SV-0170	1.70	0.0669	27	1.063	60	3	●
ADRSL-SV-0175	1.75	0.0689	27	1.063	60	3	●
ADRSL-SV-0180	1.80	0.0709	27	1.063	60	3	●
ADRSL-SV-0185	1.85	0.0728	27	1.063	60	3	●
ADRSL-SV-0190	1.90	0.0748	27	1.063	60	3	●
ADRSL-SV-0195	1.95	0.0768	27	1.063	60	3	●
ADRSL-SV-0200	2.00	0.0787	27	1.063	60	3	●
ADRSL-SV-0250	2.50	0.0984	27	1.063	60	3	●
ADRSL-SV-0300	3.00	0.1181	33	1.299	60	3	●

● US Stock Item ○ Japan Stock Item

Cutting Conditions P.115

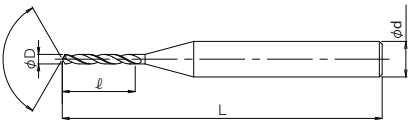
Long, FCS Caoted, For Steels

ADRL-SV

MICRO GRAIN | FCS Coating | 120° | 135° | 30° | X Thinning | Long Flute | SHANK 3mm

D<1.6mm D≥1.6mm

D≥1.6mm



*For drills 0.09 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.03≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SV-0003	0.03	0.0012	0.6	0.024	38	3	●
ADRL-SV-0004	0.04	0.0016	0.8	0.031	38	3	●
ADRL-SV-0005	0.05	0.0020	1.1	0.043	38	3	●
ADRL-SV-0006	0.06	0.0024	1.2	0.047	38	3	●
ADRL-SV-0007	0.07	0.0028	1.4	0.055	38	3	●
ADRL-SV-0008	0.08	0.0031	1.6	0.063	38	3	●
ADRL-SV-0009	0.09	0.0035	1.8	0.071	38	3	●
ADRL-SV-0010	0.10	0.0039	2.5	0.098	38	3	●
ADRL-SV-0011	0.11	0.0043	2.5	0.098	38	3	●
ADRL-SV-0012	0.12	0.0047	3	0.118	38	3	●
ADRL-SV-0013	0.13	0.0051	3	0.118	38	3	●
ADRL-SV-0014	0.14	0.0055	3	0.118	38	3	●
ADRL-SV-0015	0.15	0.0059	4	0.157	38	3	●
ADRL-SV-0016	0.16	0.0063	4	0.157	38	3	●
ADRL-SV-0017	0.17	0.0067	4.5	0.177	38	3	●
ADRL-SV-0018	0.18	0.0071	4.5	0.177	38	3	●
ADRL-SV-0019	0.19	0.0075	4.5	0.177	38	3	●
ADRL-SV-0020	0.20	0.0079	6	0.236	38	3	●
ADRL-SV-0021	0.21	0.0083	6	0.236	38	3	●
ADRL-SV-0022	0.22	0.0087	6	0.236	38	3	●
ADRL-SV-0023	0.23	0.0091	6	0.236	38	3	●
ADRL-SV-0024	0.24	0.0094	6	0.236	38	3	●
ADRL-SV-0025	0.25	0.0098	7	0.276	38	3	●
ADRL-SV-0026	0.26	0.0102	7	0.276	38	3	●
ADRL-SV-0027	0.27	0.0106	7	0.276	38	3	●
ADRL-SV-0028	0.28	0.0110	7	0.276	38	3	●
ADRL-SV-0029	0.29	0.0114	7	0.276	38	3	●
ADRL-SV-0030	0.30	0.0118	9	0.354	45	3	●
ADRL-SV-0031	0.31	0.0122	9	0.354	45	3	●
ADRL-SV-0032	0.32	0.0126	9	0.354	45	3	●
ADRL-SV-0033	0.33	0.0130	9	0.354	45	3	●
ADRL-SV-0034	0.34	0.0134	9	0.354	45	3	●
ADRL-SV-0035	0.35	0.0138	10	0.394	45	3	●
ADRL-SV-0036	0.36	0.0142	10	0.394	45	3	●
ADRL-SV-0037	0.37	0.0146	10	0.394	45	3	●
ADRL-SV-0038	0.38	0.0150	10	0.394	45	3	●
ADRL-SV-0039	0.39	0.0154	10	0.394	45	3	●
ADRL-SV-0040	0.40	0.0157	12	0.472	45	3	●
ADRL-SV-0041	0.41	0.0161	12	0.472	45	3	●
ADRL-SV-0042	0.42	0.0165	12	0.472	45	3	●
ADRL-SV-0043	0.43	0.0169	12	0.472	45	3	●
ADRL-SV-0044	0.44	0.0173	12	0.472	45	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SV-0045	0.45	0.0177	12	0.472	45	3	●
ADRL-SV-0046	0.46	0.0181	12	0.472	45	3	●
ADRL-SV-0047	0.47	0.0185	12	0.472	45	3	●
ADRL-SV-0048	0.48	0.0189	12	0.472	45	3	●
ADRL-SV-0049	0.49	0.0193	12	0.472	45	3	●
ADRL-SV-0050	0.50	0.0197	12	0.472	45	3	●
ADRL-SV-0051	0.51	0.0201	12	0.472	45	3	●
ADRL-SV-0052	0.52	0.0205	12	0.472	45	3	●
ADRL-SV-0053	0.53	0.0209	12	0.472	45	3	●
ADRL-SV-0054	0.54	0.0213	12	0.472	45	3	●
ADRL-SV-0055	0.55	0.0217	12	0.472	45	3	●
ADRL-SV-0056	0.56	0.0220	12	0.472	45	3	●
ADRL-SV-0057	0.57	0.0224	12	0.472	45	3	●
ADRL-SV-0058	0.58	0.0228	12	0.472	45	3	●
ADRL-SV-0059	0.59	0.0232	12	0.472	45	3	●
ADRL-SV-0060	0.60	0.0236	15	0.591	45	3	●
ADRL-SV-0061	0.61	0.0240	15	0.591	45	3	●
ADRL-SV-0062	0.62	0.0244	15	0.591	45	3	●
ADRL-SV-0063	0.63	0.0248	15	0.591	45	3	●
ADRL-SV-0064	0.64	0.0252	15	0.591	45	3	●
ADRL-SV-0065	0.65	0.0256	15	0.591	45	3	●
ADRL-SV-0066	0.66	0.0260	15	0.591	45	3	●
ADRL-SV-0067	0.67	0.0264	15	0.591	45	3	●
ADRL-SV-0068	0.68	0.0268	15	0.591	45	3	●
ADRL-SV-0069	0.69	0.0272	15	0.591	45	3	●
ADRL-SV-0070	0.70	0.0276	15	0.591	45	3	●
ADRL-SV-0071	0.71	0.0280	15	0.591	45	3	●
ADRL-SV-0072	0.72	0.0283	15	0.591	45	3	●
ADRL-SV-0073	0.73	0.0287	15	0.591	45	3	●
ADRL-SV-0074	0.74	0.0291	15	0.591	45	3	●
ADRL-SV-0075	0.75	0.0295	15	0.591	45	3	●
ADRL-SV-0076	0.76	0.0299	15	0.591	45	3	●
ADRL-SV-0077	0.77	0.0303	15	0.591	45	3	●
ADRL-SV-0078	0.78	0.0307	15	0.591	45	3	●
ADRL-SV-0079	0.79	0.0311	15	0.591	45	3	●
ADRL-SV-0080	0.80	0.0315	15	0.591	45	3	●
ADRL-SV-0081	0.81	0.0319	15	0.591	45	3	●
ADRL-SV-0082	0.82	0.0323	15	0.591	45	3	●
ADRL-SV-0083	0.83	0.0327	15	0.591	45	3	●
ADRL-SV-0084	0.84	0.0331	15	0.591	45	3	●
ADRL-SV-0085	0.85	0.0335	15	0.591	45	3	●
ADRL-SV-0086	0.86	0.0339	15	0.591	45	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
◎	◎	◎	◎	◎			○	◎	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SV-0087	0.87	0.0343	15	0.591	45	3	●
ADRL-SV-0088	0.88	0.0346	15	0.591	45	3	●
ADRL-SV-0089	0.89	0.0350	15	0.591	45	3	●
ADRL-SV-0090	0.90	0.0354	15	0.591	45	3	●
ADRL-SV-0091	0.91	0.0358	15	0.591	45	3	●
ADRL-SV-0092	0.92	0.0362	15	0.591	45	3	●
ADRL-SV-0093	0.93	0.0366	15	0.591	45	3	●
ADRL-SV-0094	0.94	0.0370	15	0.591	45	3	●
ADRL-SV-0095	0.95	0.0374	15	0.591	45	3	●
ADRL-SV-0096	0.96	0.0378	15	0.591	45	3	●
ADRL-SV-0097	0.97	0.0382	15	0.591	45	3	●
ADRL-SV-0098	0.98	0.0386	15	0.591	45	3	●
ADRL-SV-0099	0.99	0.0390	15	0.591	45	3	●
ADRL-SV-0100	1.00	0.0394	20	0.787	50	3	●
ADRL-SV-0101	1.01	0.0398	20	0.787	50	3	●
ADRL-SV-0102	1.02	0.0402	20	0.787	50	3	●
ADRL-SV-0103	1.03	0.0406	20	0.787	50	3	●
ADRL-SV-0104	1.04	0.0409	20	0.787	50	3	●
ADRL-SV-0105	1.05	0.0413	20	0.787	50	3	●
ADRL-SV-0106	1.06	0.0417	20	0.787	50	3	●
ADRL-SV-0107	1.07	0.0421	20	0.787	50	3	●
ADRL-SV-0108	1.08	0.0425	20	0.787	50	3	●
ADRL-SV-0109	1.09	0.0429	20	0.787	50	3	●
ADRL-SV-0110	1.10	0.0433	20	0.787	50	3	●
ADRL-SV-0111	1.11	0.0437	20	0.787	50	3	●
ADRL-SV-0112	1.12	0.0441	20	0.787	50	3	●
ADRL-SV-0113	1.13	0.0445	20	0.787	50	3	●
ADRL-SV-0114	1.14	0.0449	20	0.787	50	3	●
ADRL-SV-0115	1.15	0.0453	20	0.787	50	3	●
ADRL-SV-0116	1.16	0.0457	20	0.787	50	3	●
ADRL-SV-0117	1.17	0.0461	20	0.787	50	3	●
ADRL-SV-0118	1.18	0.0465	20	0.787	50	3	●
ADRL-SV-0119	1.19	0.0469	20	0.787	50	3	●
ADRL-SV-0120	1.20	0.0472	20	0.787	50	3	●
ADRL-SV-0121	1.21	0.0476	20	0.787	50	3	●
ADRL-SV-0122	1.22	0.0480	20	0.787	50	3	●
ADRL-SV-0123	1.23	0.0484	20	0.787	50	3	●
ADRL-SV-0124	1.24	0.0488	20	0.787	50	3	●
ADRL-SV-0125	1.25	0.0492	20	0.787	50	3	●
ADRL-SV-0126	1.26	0.0496	20	0.787	50	3	●
ADRL-SV-0127	1.27	0.0500	20	0.787	50	3	●
ADRL-SV-0128	1.28	0.0504	20	0.787	50	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SV-0129	1.29	0.0508	20	0.787	50	3	●
ADRL-SV-0130	1.30	0.0512	25	0.984	60	3	●
ADRL-SV-0131	1.31	0.0516	25	0.984	60	3	●
ADRL-SV-0132	1.32	0.0520	25	0.984	60	3	●
ADRL-SV-0133	1.33	0.0524	25	0.984	60	3	●
ADRL-SV-0134	1.34	0.0528	25	0.984	60	3	●
ADRL-SV-0135	1.35	0.0531	25	0.984	60	3	●
ADRL-SV-0136	1.36	0.0535	25	0.984	60	3	●
ADRL-SV-0137	1.37	0.0539	25	0.984	60	3	●
ADRL-SV-0138	1.38	0.0543	25	0.984	60	3	●
ADRL-SV-0139	1.39	0.0547	25	0.984	60	3	●
ADRL-SV-0140	1.40	0.0551	25	0.984	60	3	●
ADRL-SV-0141	1.41	0.0555	25	0.984	60	3	●
ADRL-SV-0142	1.42	0.0559	25	0.984	60	3	●
ADRL-SV-0143	1.43	0.0563	25	0.984	60	3	●
ADRL-SV-0144	1.44	0.0567	25	0.984	60	3	●
ADRL-SV-0145	1.45	0.0571	25	0.984	60	3	●
ADRL-SV-0146	1.46	0.0575	25	0.984	60	3	●
ADRL-SV-0147	1.47	0.0579	25	0.984	60	3	●
ADRL-SV-0148	1.48	0.0583	25	0.984	60	3	●
ADRL-SV-0149	1.49	0.0587	25	0.984	60	3	●
ADRL-SV-0150	1.50	0.0591	25	0.984	60	3	●
ADRL-SV-0151	1.51	0.0594	25	0.984	60	3	●
ADRL-SV-0152	1.52	0.0598	25	0.984	60	3	●
ADRL-SV-0153	1.53	0.0602	25	0.984	60	3	●
ADRL-SV-0154	1.54	0.0606	25	0.984	60	3	●
ADRL-SV-0155	1.55	0.0610	25	0.984	60	3	●
ADRL-SV-0156	1.56	0.0614	25	0.984	60	3	●
ADRL-SV-0157	1.57	0.0618	25	0.984	60	3	●
ADRL-SV-0158	1.58	0.0622	25	0.984	60	3	●
ADRL-SV-0159	1.59	0.0626	25	0.984	60	3	●
ADRL-SV-0160	1.60	0.0630	32	1.260	60	3	●
ADRL-SV-0161	1.61	0.0634	32	1.260	60	3	●
ADRL-SV-0162	1.62	0.0638	32	1.260	60	3	●
ADRL-SV-0163	1.63	0.0642	32	1.260	60	3	●
ADRL-SV-0164	1.64	0.0646	32	1.260	60	3	●
ADRL-SV-0165	1.65	0.0650	32	1.260	60	3	●
ADRL-SV-0166	1.66	0.0654	32	1.260	60	3	●
ADRL-SV-0167	1.67	0.0657	32	1.260	60	3	●
ADRL-SV-0168	1.68	0.0661	32	1.260	60	3	●
ADRL-SV-0169	1.69	0.0665	32	1.260	60	3	●
ADRL-SV-0170	1.70	0.0669	32	1.260	60	3	●

● US Stock Item ○ Japan Stock Item

Next Page ▸

Cutting Conditions P.115

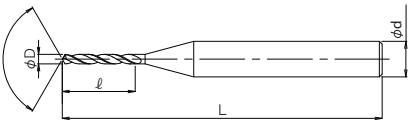
Long, FCS Caoted, For Steels

ADRL-SV (Cont.)

MICRO GRAIN | FCS Coating | 120° | 135° | 30° | X Thinning | Long Flute | SHANK 3mm

D<1.6mm D≥1.6mm

D≥1.6mm



*For drills 0.09 mm diameter and smaller, there is an intermediate neck diameter.

ØD Tolerance:
+0 / -0.005 mm (0.03≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SV-0171	1.71	0.0673	32	1.260	60	3	●
ADRL-SV-0172	1.72	0.0677	32	1.260	60	3	●
ADRL-SV-0173	1.73	0.0681	32	1.260	60	3	●
ADRL-SV-0174	1.74	0.0685	32	1.260	60	3	●
ADRL-SV-0175	1.75	0.0689	32	1.260	60	3	●
ADRL-SV-0176	1.76	0.0693	32	1.260	60	3	●
ADRL-SV-0177	1.77	0.0697	32	1.260	60	3	●
ADRL-SV-0178	1.78	0.0701	32	1.260	60	3	●
ADRL-SV-0179	1.79	0.0705	32	1.260	60	3	●
ADRL-SV-0180	1.80	0.0709	32	1.260	60	3	●
ADRL-SV-0181	1.81	0.0713	32	1.260	60	3	●
ADRL-SV-0182	1.82	0.0717	32	1.260	60	3	●
ADRL-SV-0183	1.83	0.0720	32	1.260	60	3	●
ADRL-SV-0184	1.84	0.0724	32	1.260	60	3	●
ADRL-SV-0185	1.85	0.0728	32	1.260	60	3	●
ADRL-SV-0186	1.86	0.0732	32	1.260	60	3	●
ADRL-SV-0187	1.87	0.0736	32	1.260	60	3	●
ADRL-SV-0188	1.88	0.0740	32	1.260	60	3	●
ADRL-SV-0189	1.89	0.0744	32	1.260	60	3	●
ADRL-SV-0190	1.90	0.0748	32	1.260	60	3	●
ADRL-SV-0191	1.91	0.0752	32	1.260	60	3	●
ADRL-SV-0192	1.92	0.0756	32	1.260	60	3	●
ADRL-SV-0193	1.93	0.0760	32	1.260	60	3	●
ADRL-SV-0194	1.94	0.0764	32	1.260	60	3	●
ADRL-SV-0195	1.95	0.0768	32	1.260	60	3	●
ADRL-SV-0196	1.96	0.0772	32	1.260	60	3	●
ADRL-SV-0197	1.97	0.0776	32	1.260	60	3	●
ADRL-SV-0198	1.98	0.0780	32	1.260	60	3	●
ADRL-SV-0199	1.99	0.0783	32	1.260	60	3	●
ADRL-SV-0200	2.00	0.0787	32	1.260	60	3	●
ADRL-SV-0201	2.01	0.0791	32	1.260	60	3	●
ADRL-SV-0202	2.02	0.0795	32	1.260	60	3	●
ADRL-SV-0203	2.03	0.0799	32	1.260	60	3	●
ADRL-SV-0204	2.04	0.0803	32	1.260	60	3	●
ADRL-SV-0205	2.05	0.0807	32	1.260	60	3	●
ADRL-SV-0206	2.06	0.0811	32	1.260	60	3	●
ADRL-SV-0207	2.07	0.0815	32	1.260	60	3	●
ADRL-SV-0208	2.08	0.0819	32	1.260	60	3	●
ADRL-SV-0209	2.09	0.0823	32	1.260	60	3	●
ADRL-SV-0210	2.10	0.0827	32	1.260	60	3	●
ADRL-SV-0211	2.11	0.0831	32	1.260	60	3	●
ADRL-SV-0212	2.12	0.0835	32	1.260	60	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SV-0213	2.13	0.0839	32	1.260	60	3	●
ADRL-SV-0214	2.14	0.0843	32	1.260	60	3	●
ADRL-SV-0215	2.15	0.0846	32	1.260	60	3	●
ADRL-SV-0216	2.16	0.0850	32	1.260	60	3	●
ADRL-SV-0217	2.17	0.0854	32	1.260	60	3	●
ADRL-SV-0218	2.18	0.0858	32	1.260	60	3	●
ADRL-SV-0219	2.19	0.0862	32	1.260	60	3	●
ADRL-SV-0220	2.20	0.0866	32	1.260	60	3	●
ADRL-SV-0221	2.21	0.0870	32	1.260	60	3	●
ADRL-SV-0222	2.22	0.0874	32	1.260	60	3	●
ADRL-SV-0223	2.23	0.0878	32	1.260	60	3	●
ADRL-SV-0224	2.24	0.0882	32	1.260	60	3	●
ADRL-SV-0225	2.25	0.0886	32	1.260	60	3	●
ADRL-SV-0226	2.26	0.0890	32	1.260	60	3	●
ADRL-SV-0227	2.27	0.0894	32	1.260	60	3	●
ADRL-SV-0228	2.28	0.0898	32	1.260	60	3	●
ADRL-SV-0229	2.29	0.0902	32	1.260	60	3	●
ADRL-SV-0230	2.30	0.0906	32	1.260	60	3	●
ADRL-SV-0231	2.31	0.0909	32	1.260	60	3	●
ADRL-SV-0232	2.32	0.0913	32	1.260	60	3	●
ADRL-SV-0233	2.33	0.0917	32	1.260	60	3	●
ADRL-SV-0234	2.34	0.0921	32	1.260	60	3	●
ADRL-SV-0235	2.35	0.0925	32	1.260	60	3	●
ADRL-SV-0236	2.36	0.0929	32	1.260	60	3	●
ADRL-SV-0237	2.37	0.0933	32	1.260	60	3	●
ADRL-SV-0238	2.38	0.0937	32	1.260	60	3	●
ADRL-SV-0239	2.39	0.0941	32	1.260	60	3	●
ADRL-SV-0240	2.40	0.0945	32	1.260	60	3	●
ADRL-SV-0241	2.41	0.0949	32	1.260	60	3	●
ADRL-SV-0242	2.42	0.0953	32	1.260	60	3	●
ADRL-SV-0243	2.43	0.0957	32	1.260	60	3	●
ADRL-SV-0244	2.44	0.0961	32	1.260	60	3	●
ADRL-SV-0245	2.45	0.0965	32	1.260	60	3	●
ADRL-SV-0246	2.46	0.0969	32	1.260	60	3	●
ADRL-SV-0247	2.47	0.0972	32	1.260	60	3	●
ADRL-SV-0248	2.48	0.0976	32	1.260	60	3	●
ADRL-SV-0249	2.49	0.0980	32	1.260	60	3	●
ADRL-SV-0250	2.50	0.0984	32	1.260	60	3	●
ADRL-SV-0251	2.51	0.0988	32	1.260	60	3	●
ADRL-SV-0252	2.52	0.0992	32	1.260	60	3	●
ADRL-SV-0253	2.53	0.0996	32	1.260	60	3	●
ADRL-SV-0254	2.54	0.1000	32	1.260	60	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
◎	◎	◎	◎	◎			○	◎	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SV-0255	2.55	0.1004	32	1.260	60	3	●
ADRL-SV-0256	2.56	0.1008	32	1.260	60	3	●
ADRL-SV-0257	2.57	0.1012	32	1.260	60	3	●
ADRL-SV-0258	2.58	0.1016	32	1.260	60	3	●
ADRL-SV-0259	2.59	0.1020	32	1.260	60	3	●
ADRL-SV-0260	2.60	0.1024	32	1.260	60	3	●
ADRL-SV-0261	2.61	0.1028	32	1.260	60	3	●
ADRL-SV-0262	2.62	0.1031	32	1.260	60	3	●
ADRL-SV-0263	2.63	0.1035	32	1.260	60	3	●
ADRL-SV-0264	2.64	0.1039	32	1.260	60	3	●
ADRL-SV-0265	2.65	0.1043	32	1.260	60	3	●
ADRL-SV-0266	2.66	0.1047	32	1.260	60	3	●
ADRL-SV-0267	2.67	0.1051	32	1.260	60	3	●
ADRL-SV-0268	2.68	0.1055	32	1.260	60	3	●
ADRL-SV-0269	2.69	0.1059	32	1.260	60	3	●
ADRL-SV-0270	2.70	0.1063	40	1.575	65	3	●
ADRL-SV-0271	2.71	0.1067	40	1.575	65	3	●
ADRL-SV-0272	2.72	0.1071	40	1.575	65	3	●
ADRL-SV-0273	2.73	0.1075	40	1.575	65	3	●
ADRL-SV-0274	2.74	0.1079	40	1.575	65	3	●
ADRL-SV-0275	2.75	0.1083	40	1.575	65	3	●
ADRL-SV-0276	2.76	0.1087	40	1.575	65	3	●
ADRL-SV-0277	2.77	0.1091	40	1.575	65	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SV-0278	2.78	0.1094	40	1.575	65	3	●
ADRL-SV-0279	2.79	0.1098	40	1.575	65	3	●
ADRL-SV-0280	2.80	0.1102	40	1.575	65	3	●
ADRL-SV-0281	2.81	0.1106	40	1.575	65	3	●
ADRL-SV-0282	2.82	0.1110	40	1.575	65	3	●
ADRL-SV-0283	2.83	0.1114	40	1.575	65	3	●
ADRL-SV-0284	2.84	0.1118	40	1.575	65	3	●
ADRL-SV-0285	2.85	0.1122	40	1.575	65	3	●
ADRL-SV-0286	2.86	0.1126	40	1.575	65	3	●
ADRL-SV-0287	2.87	0.1130	40	1.575	65	3	●
ADRL-SV-0288	2.88	0.1134	40	1.575	65	3	●
ADRL-SV-0289	2.89	0.1138	40	1.575	65	3	●
ADRL-SV-0290	2.90	0.1142	40	1.575	65	3	●
ADRL-SV-0291	2.91	0.1146	40	1.575	65	3	●
ADRL-SV-0292	2.92	0.1150	40	1.575	65	3	●
ADRL-SV-0293	2.93	0.1154	40	1.575	65	3	●
ADRL-SV-0294	2.94	0.1157	40	1.575	65	3	●
ADRL-SV-0295	2.95	0.1161	40	1.575	65	3	●
ADRL-SV-0296	2.96	0.1165	40	1.575	65	3	●
ADRL-SV-0297	2.97	0.1169	40	1.575	65	3	●
ADRL-SV-0298	2.98	0.1173	40	1.575	65	3	●
ADRL-SV-0299	2.99	0.1177	40	1.575	65	3	●
ADRL-SV-0300	3.00	0.1181	40	1.575	65	3	●

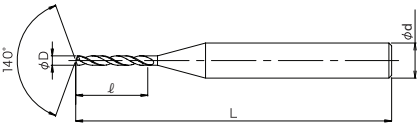
● US Stock Item ○ Japan Stock Item

Cutting Conditions P.115

Regular, FCS Coated, For Hard-to-Cut Materials

ADR-SUS

CARBIDE | FCS Coating | 140° | 26°~32° | X Thinning D≥0.3mm | Regular Flute | SHANK 3mm



ØD Tolerance:
+0 / -0.01 mm (0.1≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SUS-0010	0.10	0.0039	1	0.039	38	3	●
ADR-SUS-0011	0.11	0.0043	1.1	0.043	38	3	●
ADR-SUS-0012	0.12	0.0047	1.2	0.047	38	3	●
ADR-SUS-0013	0.13	0.0051	1.3	0.051	38	3	●
ADR-SUS-0014	0.14	0.0055	1.4	0.055	38	3	●
ADR-SUS-0015	0.15	0.0059	1.5	0.059	38	3	●
ADR-SUS-0016	0.16	0.0063	1.5	0.059	38	3	●
ADR-SUS-0017	0.17	0.0067	1.5	0.059	38	3	●
ADR-SUS-0018	0.18	0.0071	1.8	0.071	38	3	●
ADR-SUS-0019	0.19	0.0075	1.8	0.071	38	3	●
ADR-SUS-0020	0.20	0.0079	2	0.079	38	3	●
ADR-SUS-0021	0.21	0.0083	2	0.079	38	3	●
ADR-SUS-0022	0.22	0.0087	2	0.079	38	3	●
ADR-SUS-0023	0.23	0.0091	2.3	0.091	38	3	●
ADR-SUS-0024	0.24	0.0094	2.3	0.091	38	3	●
ADR-SUS-0025	0.25	0.0098	2.5	0.098	38	3	●
ADR-SUS-0026	0.26	0.0102	2.5	0.098	38	3	●
ADR-SUS-0027	0.27	0.0106	2.5	0.098	38	3	●
ADR-SUS-0028	0.28	0.0110	2.8	0.110	38	3	●
ADR-SUS-0029	0.29	0.0114	2.8	0.110	38	3	●
ADR-SUS-0030	0.30	0.0118	3	0.118	38	3	●
ADR-SUS-0031	0.31	0.0122	3	0.118	38	3	●
ADR-SUS-0032	0.32	0.0126	3	0.118	38	3	●
ADR-SUS-0033	0.33	0.0130	3.3	0.130	38	3	●
ADR-SUS-0034	0.34	0.0134	3.3	0.130	38	3	●
ADR-SUS-0035	0.35	0.0138	3.5	0.138	38	3	●
ADR-SUS-0036	0.36	0.0142	3.5	0.138	38	3	●
ADR-SUS-0037	0.37	0.0146	3.5	0.138	38	3	●
ADR-SUS-0038	0.38	0.0150	3.8	0.150	38	3	●
ADR-SUS-0039	0.39	0.0154	3.8	0.150	38	3	●
ADR-SUS-0040	0.40	0.0157	4	0.157	38	3	●
ADR-SUS-0041	0.41	0.0161	4	0.157	38	3	●
ADR-SUS-0042	0.42	0.0165	4	0.157	38	3	●
ADR-SUS-0043	0.43	0.0169	4	0.157	38	3	●
ADR-SUS-0044	0.44	0.0173	4	0.157	38	3	●
ADR-SUS-0045	0.45	0.0177	4.5	0.177	38	3	●
ADR-SUS-0046	0.46	0.0181	4.5	0.177	38	3	●
ADR-SUS-0047	0.47	0.0185	4.5	0.177	38	3	●
ADR-SUS-0048	0.48	0.0189	4.5	0.177	38	3	●
ADR-SUS-0049	0.49	0.0193	4.5	0.177	38	3	●
ADR-SUS-0050	0.50	0.0197	5	0.197	38	3	●
ADR-SUS-0051	0.51	0.0201	5	0.197	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SUS-0052	0.52	0.0205	5	0.197	38	3	●
ADR-SUS-0053	0.53	0.0209	5	0.197	38	3	●
ADR-SUS-0054	0.54	0.0213	5	0.197	38	3	●
ADR-SUS-0055	0.55	0.0217	5.5	0.217	38	3	●
ADR-SUS-0056	0.56	0.0220	5.5	0.217	38	3	●
ADR-SUS-0057	0.57	0.0224	5.5	0.217	38	3	●
ADR-SUS-0058	0.58	0.0228	5.5	0.217	38	3	●
ADR-SUS-0059	0.59	0.0232	5.5	0.217	38	3	●
ADR-SUS-0060	0.60	0.0236	6	0.236	38	3	●
ADR-SUS-0061	0.61	0.0240	6	0.236	38	3	●
ADR-SUS-0062	0.62	0.0244	6	0.236	38	3	●
ADR-SUS-0063	0.63	0.0248	6	0.236	38	3	●
ADR-SUS-0064	0.64	0.0252	6	0.236	38	3	●
ADR-SUS-0065	0.65	0.0256	6.5	0.256	38	3	●
ADR-SUS-0066	0.66	0.0260	6.5	0.256	38	3	●
ADR-SUS-0067	0.67	0.0264	6.5	0.256	38	3	●
ADR-SUS-0068	0.68	0.0268	6.5	0.256	38	3	●
ADR-SUS-0069	0.69	0.0272	6.5	0.256	38	3	●
ADR-SUS-0070	0.70	0.0276	7	0.276	38	3	●
ADR-SUS-0071	0.71	0.0280	7	0.276	38	3	●
ADR-SUS-0072	0.72	0.0283	7	0.276	38	3	●
ADR-SUS-0073	0.73	0.0287	7	0.276	38	3	●
ADR-SUS-0074	0.74	0.0291	7	0.276	38	3	●
ADR-SUS-0075	0.75	0.0295	7.5	0.295	38	3	●
ADR-SUS-0076	0.76	0.0299	7.5	0.295	38	3	●
ADR-SUS-0077	0.77	0.0303	7.5	0.295	38	3	●
ADR-SUS-0078	0.78	0.0307	7.5	0.295	38	3	●
ADR-SUS-0079	0.79	0.0311	7.5	0.295	38	3	●
ADR-SUS-0080	0.80	0.0315	8	0.315	38	3	●
ADR-SUS-0081	0.81	0.0319	8	0.315	38	3	●
ADR-SUS-0082	0.82	0.0323	8	0.315	38	3	●
ADR-SUS-0083	0.83	0.0327	8	0.315	38	3	●
ADR-SUS-0084	0.84	0.0331	8	0.315	38	3	●
ADR-SUS-0085	0.85	0.0335	8	0.315	38	3	●
ADR-SUS-0086	0.86	0.0339	8	0.315	38	3	●
ADR-SUS-0087	0.87	0.0343	8	0.315	38	3	●
ADR-SUS-0088	0.88	0.0346	8	0.315	38	3	●
ADR-SUS-0089	0.89	0.0350	8	0.315	38	3	●
ADR-SUS-0090	0.90	0.0354	9	0.354	38	3	●
ADR-SUS-0091	0.91	0.0358	9	0.354	38	3	●
ADR-SUS-0092	0.92	0.0362	9	0.354	38	3	●
ADR-SUS-0093	0.93	0.0366	9	0.354	38	3	●

● US Stock Item ○ Japan Stock Item

3MM SHANK DRILLS

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
○	○	○	○	○			◎	○	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SUS-0094	0.94	0.0370	9	0.354	38	3	●
ADR-SUS-0095	0.95	0.0374	9	0.354	38	3	●
ADR-SUS-0096	0.96	0.0378	9	0.354	38	3	●
ADR-SUS-0097	0.97	0.0382	9	0.354	38	3	●
ADR-SUS-0098	0.98	0.0386	9	0.354	38	3	●
ADR-SUS-0099	0.99	0.0390	9	0.354	38	3	●
ADR-SUS-0100	1.00	0.0394	10	0.394	38	3	●
ADR-SUS-0101	1.01	0.0398	10	0.394	38	3	●
ADR-SUS-0102	1.02	0.0402	10	0.394	38	3	●
ADR-SUS-0103	1.03	0.0406	10	0.394	38	3	●
ADR-SUS-0104	1.04	0.0409	10	0.394	38	3	●
ADR-SUS-0105	1.05	0.0413	10	0.394	38	3	●
ADR-SUS-0106	1.06	0.0417	10	0.394	38	3	●
ADR-SUS-0107	1.07	0.0421	10	0.394	38	3	●
ADR-SUS-0108	1.08	0.0425	10	0.394	38	3	●
ADR-SUS-0109	1.09	0.0429	10	0.394	38	3	●
ADR-SUS-0110	1.10	0.0433	10	0.394	38	3	●
ADR-SUS-0111	1.11	0.0437	10	0.394	38	3	●
ADR-SUS-0112	1.12	0.0441	10	0.394	38	3	●
ADR-SUS-0113	1.13	0.0445	10	0.394	38	3	●
ADR-SUS-0114	1.14	0.0449	10	0.394	38	3	●
ADR-SUS-0115	1.15	0.0453	10	0.394	38	3	●
ADR-SUS-0116	1.16	0.0457	10	0.394	38	3	●
ADR-SUS-0117	1.17	0.0461	10	0.394	38	3	●
ADR-SUS-0118	1.18	0.0465	10	0.394	38	3	●
ADR-SUS-0119	1.19	0.0469	10	0.394	38	3	●
ADR-SUS-0120	1.20	0.0472	10	0.394	38	3	●
ADR-SUS-0121	1.21	0.0476	10	0.394	38	3	●
ADR-SUS-0122	1.22	0.0480	10	0.394	38	3	●
ADR-SUS-0123	1.23	0.0484	10	0.394	38	3	●
ADR-SUS-0124	1.24	0.0488	10	0.394	38	3	●
ADR-SUS-0125	1.25	0.0492	10	0.394	38	3	●
ADR-SUS-0126	1.26	0.0496	10	0.394	38	3	●
ADR-SUS-0127	1.27	0.0500	10	0.394	38	3	●
ADR-SUS-0128	1.28	0.0504	10	0.394	38	3	●
ADR-SUS-0129	1.29	0.0508	10	0.394	38	3	●
ADR-SUS-0130	1.30	0.0512	10	0.394	38	3	●
ADR-SUS-0131	1.31	0.0516	10	0.394	38	3	●
ADR-SUS-0132	1.32	0.0520	10	0.394	38	3	●
ADR-SUS-0133	1.33	0.0524	10	0.394	38	3	●
ADR-SUS-0134	1.34	0.0528	10	0.394	38	3	●
ADR-SUS-0135	1.35	0.0531	10	0.394	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SUS-0136	1.36	0.0535	10	0.394	38	3	●
ADR-SUS-0137	1.37	0.0539	10	0.394	38	3	●
ADR-SUS-0138	1.38	0.0543	10	0.394	38	3	●
ADR-SUS-0139	1.39	0.0547	10	0.394	38	3	●
ADR-SUS-0140	1.40	0.0551	10	0.394	38	3	●
ADR-SUS-0141	1.41	0.0555	10	0.394	38	3	●
ADR-SUS-0142	1.42	0.0559	10	0.394	38	3	●
ADR-SUS-0143	1.43	0.0563	10	0.394	38	3	●
ADR-SUS-0144	1.44	0.0567	10	0.394	38	3	●
ADR-SUS-0145	1.45	0.0571	10	0.394	38	3	●
ADR-SUS-0146	1.46	0.0575	10	0.394	38	3	●
ADR-SUS-0147	1.47	0.0579	10	0.394	38	3	●
ADR-SUS-0148	1.48	0.0583	10	0.394	38	3	●
ADR-SUS-0149	1.49	0.0587	10	0.394	38	3	●
ADR-SUS-0150	1.50	0.0591	10	0.394	38	3	●
ADR-SUS-0151	1.51	0.0594	10	0.394	38	3	●
ADR-SUS-0152	1.52	0.0598	10	0.394	38	3	●
ADR-SUS-0153	1.53	0.0602	10	0.394	38	3	●
ADR-SUS-0154	1.54	0.0606	10	0.394	38	3	●
ADR-SUS-0155	1.55	0.0610	10	0.394	38	3	●
ADR-SUS-0156	1.56	0.0614	10	0.394	38	3	●
ADR-SUS-0157	1.57	0.0618	10	0.394	38	3	●
ADR-SUS-0158	1.58	0.0622	10	0.394	38	3	●
ADR-SUS-0159	1.59	0.0626	10	0.394	38	3	●
ADR-SUS-0160	1.60	0.0630	12	0.472	45	3	●
ADR-SUS-0161	1.61	0.0634	12	0.472	45	3	●
ADR-SUS-0162	1.62	0.0638	12	0.472	45	3	●
ADR-SUS-0163	1.63	0.0642	12	0.472	45	3	●
ADR-SUS-0164	1.64	0.0646	12	0.472	45	3	●
ADR-SUS-0165	1.65	0.0650	12	0.472	45	3	●
ADR-SUS-0166	1.66	0.0654	12	0.472	45	3	●
ADR-SUS-0167	1.67	0.0657	12	0.472	45	3	●
ADR-SUS-0168	1.68	0.0661	12	0.472	45	3	●
ADR-SUS-0169	1.69	0.0665	12	0.472	45	3	●
ADR-SUS-0170	1.70	0.0669	12	0.472	45	3	●
ADR-SUS-0171	1.71	0.0673	12	0.472	45	3	●
ADR-SUS-0172	1.72	0.0677	12	0.472	45	3	●
ADR-SUS-0173	1.73	0.0681	12	0.472	45	3	●
ADR-SUS-0174	1.74	0.0685	12	0.472	45	3	●
ADR-SUS-0175	1.75	0.0689	12	0.472	45	3	●
ADR-SUS-0176	1.76	0.0693	12	0.472	45	3	●
ADR-SUS-0177	1.77	0.0697	12	0.472	45	3	●

● US Stock Item ○ Japan Stock Item

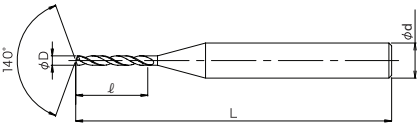
Next Page ▸

Cutting Conditions P.116

Regular, FCS Coated, For Hard-to-Cut Materials

ADR-SUS (Cont.)

CARBIDE | FCS Coating | 140° | 26°~32° | X Thinning D≥0.3mm | Regular Flute | SHANK 3mm



ØD Tolerance:
+0 / -0.01 mm (0.1≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SUS-0178	1.78	0.0701	12	0.472	45	3	●
ADR-SUS-0179	1.79	0.0705	12	0.472	45	3	●
ADR-SUS-0180	1.80	0.0709	12	0.472	45	3	●
ADR-SUS-0181	1.81	0.0713	12	0.472	45	3	●
ADR-SUS-0182	1.82	0.0717	12	0.472	45	3	●
ADR-SUS-0183	1.83	0.0720	12	0.472	45	3	●
ADR-SUS-0184	1.84	0.0724	12	0.472	45	3	●
ADR-SUS-0185	1.85	0.0728	12	0.472	45	3	●
ADR-SUS-0186	1.86	0.0732	12	0.472	45	3	●
ADR-SUS-0187	1.87	0.0736	12	0.472	45	3	●
ADR-SUS-0188	1.88	0.0740	12	0.472	45	3	●
ADR-SUS-0189	1.89	0.0744	12	0.472	45	3	●
ADR-SUS-0190	1.90	0.0748	12	0.472	45	3	●
ADR-SUS-0191	1.91	0.0752	12	0.472	45	3	●
ADR-SUS-0192	1.92	0.0756	12	0.472	45	3	●
ADR-SUS-0193	1.93	0.0760	12	0.472	45	3	●
ADR-SUS-0194	1.94	0.0764	12	0.472	45	3	●
ADR-SUS-0195	1.95	0.0768	12	0.472	45	3	●
ADR-SUS-0196	1.96	0.0772	12	0.472	45	3	●
ADR-SUS-0197	1.97	0.0776	12	0.472	45	3	●
ADR-SUS-0198	1.98	0.0780	12	0.472	45	3	●
ADR-SUS-0199	1.99	0.0783	12	0.472	45	3	●
ADR-SUS-0200	2.00	0.0787	12	0.472	45	3	●
ADR-SUS-0201	2.01	0.0791	12	0.472	45	3	●
ADR-SUS-0202	2.02	0.0795	12	0.472	45	3	●
ADR-SUS-0203	2.03	0.0799	12	0.472	45	3	●
ADR-SUS-0204	2.04	0.0803	12	0.472	45	3	●
ADR-SUS-0205	2.05	0.0807	12	0.472	45	3	●
ADR-SUS-0206	2.06	0.0811	12	0.472	45	3	●
ADR-SUS-0207	2.07	0.0815	12	0.472	45	3	●
ADR-SUS-0208	2.08	0.0819	12	0.472	45	3	●
ADR-SUS-0209	2.09	0.0823	12	0.472	45	3	●
ADR-SUS-0210	2.10	0.0827	12	0.472	45	3	●
ADR-SUS-0211	2.11	0.0831	12	0.472	45	3	●
ADR-SUS-0212	2.12	0.0835	12	0.472	45	3	●
ADR-SUS-0213	2.13	0.0839	12	0.472	45	3	●
ADR-SUS-0214	2.14	0.0843	12	0.472	45	3	●
ADR-SUS-0215	2.15	0.0846	12	0.472	45	3	●
ADR-SUS-0216	2.16	0.0850	12	0.472	45	3	●
ADR-SUS-0217	2.17	0.0854	12	0.472	45	3	●
ADR-SUS-0218	2.18	0.0858	12	0.472	45	3	●
ADR-SUS-0219	2.19	0.0862	12	0.472	45	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SUS-0220	2.20	0.0866	12	0.472	45	3	●
ADR-SUS-0221	2.21	0.0870	12	0.472	45	3	●
ADR-SUS-0222	2.22	0.0874	12	0.472	45	3	●
ADR-SUS-0223	2.23	0.0878	12	0.472	45	3	●
ADR-SUS-0224	2.24	0.0882	12	0.472	45	3	●
ADR-SUS-0225	2.25	0.0886	12	0.472	45	3	●
ADR-SUS-0226	2.26	0.0890	12	0.472	45	3	●
ADR-SUS-0227	2.27	0.0894	12	0.472	45	3	●
ADR-SUS-0228	2.28	0.0898	12	0.472	45	3	●
ADR-SUS-0229	2.29	0.0902	12	0.472	45	3	●
ADR-SUS-0230	2.30	0.0906	12	0.472	45	3	●
ADR-SUS-0231	2.31	0.0909	12	0.472	45	3	●
ADR-SUS-0232	2.32	0.0913	12	0.472	45	3	●
ADR-SUS-0233	2.33	0.0917	12	0.472	45	3	●
ADR-SUS-0234	2.34	0.0921	12	0.472	45	3	●
ADR-SUS-0235	2.35	0.0925	12	0.472	45	3	●
ADR-SUS-0236	2.36	0.0929	12	0.472	45	3	●
ADR-SUS-0237	2.37	0.0933	12	0.472	45	3	●
ADR-SUS-0238	2.38	0.0937	12	0.472	45	3	●
ADR-SUS-0239	2.39	0.0941	12	0.472	45	3	●
ADR-SUS-0240	2.40	0.0945	12	0.472	45	3	●
ADR-SUS-0241	2.41	0.0949	12	0.472	45	3	●
ADR-SUS-0242	2.42	0.0953	12	0.472	45	3	●
ADR-SUS-0243	2.43	0.0957	12	0.472	45	3	●
ADR-SUS-0244	2.44	0.0961	12	0.472	45	3	●
ADR-SUS-0245	2.45	0.0965	12	0.472	45	3	●
ADR-SUS-0246	2.46	0.0969	12	0.472	45	3	●
ADR-SUS-0247	2.47	0.0972	12	0.472	45	3	●
ADR-SUS-0248	2.48	0.0976	12	0.472	45	3	●
ADR-SUS-0249	2.49	0.0980	12	0.472	45	3	●
ADR-SUS-0250	2.50	0.0984	12	0.472	45	3	●
ADR-SUS-0251	2.51	0.0988	12	0.472	45	3	●
ADR-SUS-0252	2.52	0.0992	12	0.472	45	3	●
ADR-SUS-0253	2.53	0.0996	12	0.472	45	3	●
ADR-SUS-0254	2.54	0.1000	12	0.472	45	3	●
ADR-SUS-0255	2.55	0.1004	12	0.472	45	3	●
ADR-SUS-0256	2.56	0.1008	12	0.472	45	3	●
ADR-SUS-0257	2.57	0.1012	12	0.472	45	3	●
ADR-SUS-0258	2.58	0.1016	12	0.472	45	3	●
ADR-SUS-0259	2.59	0.1020	12	0.472	45	3	●
ADR-SUS-0260	2.60	0.1024	12	0.472	45	3	●
ADR-SUS-0261	2.61	0.1028	12	0.472	45	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
○	○	○	○	○			◎	○	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SUS-0262	2.62	0.1031	12	0.472	45	3	54.60
ADR-SUS-0263	2.63	0.1035	12	0.472	45	3	54.60
ADR-SUS-0264	2.64	0.1039	12	0.472	45	3	54.60
ADR-SUS-0265	2.65	0.1043	12	0.472	45	3	54.60
ADR-SUS-0266	2.66	0.1047	12	0.472	45	3	54.60
ADR-SUS-0267	2.67	0.1051	12	0.472	45	3	54.60
ADR-SUS-0268	2.68	0.1055	12	0.472	45	3	54.60
ADR-SUS-0269	2.69	0.1059	12	0.472	45	3	54.60
ADR-SUS-0270	2.70	0.1063	15	0.591	45	3	50.80
ADR-SUS-0271	2.71	0.1067	15	0.591	45	3	54.60
ADR-SUS-0272	2.72	0.1071	15	0.591	45	3	54.60
ADR-SUS-0273	2.73	0.1075	15	0.591	45	3	54.60
ADR-SUS-0274	2.74	0.1079	15	0.591	45	3	54.60
ADR-SUS-0275	2.75	0.1083	15	0.591	45	3	54.60
ADR-SUS-0276	2.76	0.1087	15	0.591	45	3	54.60
ADR-SUS-0277	2.77	0.1091	15	0.591	45	3	54.60
ADR-SUS-0278	2.78	0.1094	15	0.591	45	3	54.60
ADR-SUS-0279	2.79	0.1098	15	0.591	45	3	54.60
ADR-SUS-0280	2.80	0.1102	15	0.591	45	3	50.80
ADR-SUS-0281	2.81	0.1106	15	0.591	45	3	54.60

● US Stock Item ○ Japan Stock Item

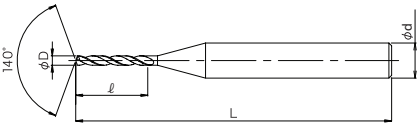
PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-SUS-0282	2.82	0.1110	15	0.591	45	3	54.60
ADR-SUS-0283	2.83	0.1114	15	0.591	45	3	54.60
ADR-SUS-0284	2.84	0.1118	15	0.591	45	3	54.60
ADR-SUS-0285	2.85	0.1122	15	0.591	45	3	54.60
ADR-SUS-0286	2.86	0.1126	15	0.591	45	3	54.60
ADR-SUS-0287	2.87	0.1130	15	0.591	45	3	54.60
ADR-SUS-0288	2.88	0.1134	15	0.591	45	3	54.60
ADR-SUS-0289	2.89	0.1138	15	0.591	45	3	54.60
ADR-SUS-0290	2.90	0.1142	15	0.591	45	3	50.80
ADR-SUS-0291	2.91	0.1146	15	0.591	45	3	54.60
ADR-SUS-0292	2.92	0.1150	15	0.591	45	3	54.60
ADR-SUS-0293	2.93	0.1154	15	0.591	45	3	54.60
ADR-SUS-0294	2.94	0.1157	15	0.591	45	3	54.60
ADR-SUS-0295	2.95	0.1161	15	0.591	45	3	54.60
ADR-SUS-0296	2.96	0.1165	15	0.591	45	3	54.60
ADR-SUS-0297	2.97	0.1169	15	0.591	45	3	54.60
ADR-SUS-0298	2.98	0.1173	15	0.591	45	3	54.60
ADR-SUS-0299	2.99	0.1177	15	0.591	45	3	54.60
ADR-SUS-0300	3.00	0.1181	15	0.591	45	3	50.80

Cutting Conditions P.116

Long, FCS Coated, For Hard-to-Cut Materials

ADRL-SUS

CARBIDE | FCS Coating | 140° | 26°~32° | X Thinning (D≥0.3mm) | Long Flute | SHANK 3mm



ØD Tolerance:
+0 / -0.01 mm (0.1≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SUS-0010	0.10	0.0039	1.5	0.059	38	3	●
ADRL-SUS-0011	0.11	0.0043	1.7	0.067	38	3	●
ADRL-SUS-0012	0.12	0.0047	1.8	0.071	38	3	●
ADRL-SUS-0013	0.13	0.0051	2	0.079	38	3	●
ADRL-SUS-0014	0.14	0.0055	2	0.079	38	3	●
ADRL-SUS-0015	0.15	0.0059	2.3	0.091	38	3	●
ADRL-SUS-0016	0.16	0.0063	2.3	0.091	38	3	●
ADRL-SUS-0017	0.17	0.0067	2.3	0.091	38	3	●
ADRL-SUS-0018	0.18	0.0071	2.7	0.106	38	3	●
ADRL-SUS-0019	0.19	0.0075	2.7	0.106	38	3	●
ADRL-SUS-0020	0.20	0.0079	3	0.118	38	3	●
ADRL-SUS-0021	0.21	0.0083	3	0.118	38	3	●
ADRL-SUS-0022	0.22	0.0087	3	0.118	38	3	●
ADRL-SUS-0023	0.23	0.0091	3.5	0.138	38	3	●
ADRL-SUS-0024	0.24	0.0094	3.5	0.138	38	3	●
ADRL-SUS-0025	0.25	0.0098	3.8	0.150	38	3	●
ADRL-SUS-0026	0.26	0.0102	3.8	0.150	38	3	●
ADRL-SUS-0027	0.27	0.0106	3.8	0.150	38	3	●
ADRL-SUS-0028	0.28	0.0110	4.2	0.165	38	3	●
ADRL-SUS-0029	0.29	0.0114	4.2	0.165	38	3	●
ADRL-SUS-0030	0.30	0.0118	4.5	0.177	38	3	●
ADRL-SUS-0031	0.31	0.0122	4.5	0.177	38	3	●
ADRL-SUS-0032	0.32	0.0126	4.5	0.177	38	3	●
ADRL-SUS-0033	0.33	0.0130	5	0.197	38	3	●
ADRL-SUS-0034	0.34	0.0134	5	0.197	38	3	●
ADRL-SUS-0035	0.35	0.0138	5.3	0.209	38	3	●
ADRL-SUS-0036	0.36	0.0142	5.3	0.209	38	3	●
ADRL-SUS-0037	0.37	0.0146	5.3	0.209	38	3	●
ADRL-SUS-0038	0.38	0.0150	5.7	0.224	38	3	●
ADRL-SUS-0039	0.39	0.0154	5.7	0.224	38	3	●
ADRL-SUS-0040	0.40	0.0157	6	0.236	38	3	●
ADRL-SUS-0041	0.41	0.0161	6	0.236	38	3	●
ADRL-SUS-0042	0.42	0.0165	6	0.236	38	3	●
ADRL-SUS-0043	0.43	0.0169	6	0.236	38	3	●
ADRL-SUS-0044	0.44	0.0173	6	0.236	38	3	●
ADRL-SUS-0045	0.45	0.0177	7	0.276	38	3	●
ADRL-SUS-0046	0.46	0.0181	7	0.276	38	3	●
ADRL-SUS-0047	0.47	0.0185	7	0.276	38	3	●
ADRL-SUS-0048	0.48	0.0189	7	0.276	38	3	●
ADRL-SUS-0049	0.49	0.0193	7	0.276	38	3	●
ADRL-SUS-0050	0.50	0.0197	7.5	0.295	38	3	●
ADRL-SUS-0051	0.51	0.0201	7.5	0.295	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SUS-0052	0.52	0.0205	7.5	0.295	38	3	●
ADRL-SUS-0053	0.53	0.0209	7.5	0.295	38	3	●
ADRL-SUS-0054	0.54	0.0213	7.5	0.295	38	3	●
ADRL-SUS-0055	0.55	0.0217	8.5	0.335	38	3	●
ADRL-SUS-0056	0.56	0.0220	8.5	0.335	38	3	●
ADRL-SUS-0057	0.57	0.0224	8.5	0.335	38	3	●
ADRL-SUS-0058	0.58	0.0228	8.5	0.335	38	3	●
ADRL-SUS-0059	0.59	0.0232	8.5	0.335	38	3	●
ADRL-SUS-0060	0.60	0.0236	9	0.354	38	3	●
ADRL-SUS-0061	0.61	0.0240	9	0.354	38	3	●
ADRL-SUS-0062	0.62	0.0244	9	0.354	38	3	●
ADRL-SUS-0063	0.63	0.0248	9	0.354	38	3	●
ADRL-SUS-0064	0.64	0.0252	9	0.354	38	3	●
ADRL-SUS-0065	0.65	0.0256	10	0.394	38	3	●
ADRL-SUS-0066	0.66	0.0260	10	0.394	38	3	●
ADRL-SUS-0067	0.67	0.0264	10	0.394	38	3	●
ADRL-SUS-0068	0.68	0.0268	10	0.394	38	3	●
ADRL-SUS-0069	0.69	0.0272	10	0.394	38	3	●
ADRL-SUS-0070	0.70	0.0276	10.5	0.413	38	3	●
ADRL-SUS-0071	0.71	0.0280	10.5	0.413	38	3	●
ADRL-SUS-0072	0.72	0.0283	10.5	0.413	38	3	●
ADRL-SUS-0073	0.73	0.0287	10.5	0.413	38	3	●
ADRL-SUS-0074	0.74	0.0291	10.5	0.413	38	3	●
ADRL-SUS-0075	0.75	0.0295	11.5	0.453	38	3	●
ADRL-SUS-0076	0.76	0.0299	11.5	0.453	38	3	●
ADRL-SUS-0077	0.77	0.0303	11.5	0.453	38	3	●
ADRL-SUS-0078	0.78	0.0307	11.5	0.453	38	3	●
ADRL-SUS-0079	0.79	0.0311	11.5	0.453	38	3	●
ADRL-SUS-0080	0.80	0.0315	12.5	0.492	45	3	●
ADRL-SUS-0081	0.81	0.0319	12.5	0.492	45	3	●
ADRL-SUS-0082	0.82	0.0323	12.5	0.492	45	3	●
ADRL-SUS-0083	0.83	0.0327	12.5	0.492	45	3	●
ADRL-SUS-0084	0.84	0.0331	12.5	0.492	45	3	●
ADRL-SUS-0085	0.85	0.0335	12.5	0.492	45	3	●
ADRL-SUS-0086	0.86	0.0339	12.5	0.492	45	3	●
ADRL-SUS-0087	0.87	0.0343	12.5	0.492	45	3	●
ADRL-SUS-0088	0.88	0.0346	12.5	0.492	45	3	●
ADRL-SUS-0089	0.89	0.0350	12.5	0.492	45	3	●
ADRL-SUS-0090	0.90	0.0354	14	0.551	45	3	●
ADRL-SUS-0091	0.91	0.0358	14	0.551	45	3	●
ADRL-SUS-0092	0.92	0.0362	14	0.551	45	3	●
ADRL-SUS-0093	0.93	0.0366	14	0.551	45	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
○	○	○	○	○			◎	○	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SUS-0094	0.94	0.0370	14	0.551	45	3	●
ADRL-SUS-0095	0.95	0.0374	14	0.551	45	3	●
ADRL-SUS-0096	0.96	0.0378	14	0.551	45	3	●
ADRL-SUS-0097	0.97	0.0382	14	0.551	45	3	●
ADRL-SUS-0098	0.98	0.0386	14	0.551	45	3	●
ADRL-SUS-0099	0.99	0.0390	14	0.551	45	3	●
ADRL-SUS-0100	1.00	0.0394	15	0.591	45	3	●
ADRL-SUS-0101	1.01	0.0398	15	0.591	45	3	●
ADRL-SUS-0102	1.02	0.0402	15	0.591	45	3	●
ADRL-SUS-0103	1.03	0.0406	15	0.591	45	3	●
ADRL-SUS-0104	1.04	0.0409	15	0.591	45	3	●
ADRL-SUS-0105	1.05	0.0413	15	0.591	45	3	●
ADRL-SUS-0106	1.06	0.0417	15	0.591	45	3	●
ADRL-SUS-0107	1.07	0.0421	15	0.591	45	3	●
ADRL-SUS-0108	1.08	0.0425	15	0.591	45	3	●
ADRL-SUS-0109	1.09	0.0429	15	0.591	45	3	●
ADRL-SUS-0110	1.10	0.0433	15	0.591	45	3	●
ADRL-SUS-0111	1.11	0.0437	15	0.591	45	3	●
ADRL-SUS-0112	1.12	0.0441	15	0.591	45	3	●
ADRL-SUS-0113	1.13	0.0445	15	0.591	45	3	●
ADRL-SUS-0114	1.14	0.0449	15	0.591	45	3	●
ADRL-SUS-0115	1.15	0.0453	15	0.591	45	3	●
ADRL-SUS-0116	1.16	0.0457	15	0.591	45	3	●
ADRL-SUS-0117	1.17	0.0461	15	0.591	45	3	●
ADRL-SUS-0118	1.18	0.0465	15	0.591	45	3	●
ADRL-SUS-0119	1.19	0.0469	15	0.591	45	3	●
ADRL-SUS-0120	1.20	0.0472	15	0.591	45	3	●
ADRL-SUS-0121	1.21	0.0476	15	0.591	45	3	●
ADRL-SUS-0122	1.22	0.0480	15	0.591	45	3	●
ADRL-SUS-0123	1.23	0.0484	15	0.591	45	3	●
ADRL-SUS-0124	1.24	0.0488	15	0.591	45	3	●
ADRL-SUS-0125	1.25	0.0492	15	0.591	45	3	●
ADRL-SUS-0126	1.26	0.0496	15	0.591	45	3	●
ADRL-SUS-0127	1.27	0.0500	15	0.591	45	3	●
ADRL-SUS-0128	1.28	0.0504	15	0.591	45	3	●
ADRL-SUS-0129	1.29	0.0508	15	0.591	45	3	●
ADRL-SUS-0130	1.30	0.0512	17	0.669	45	3	●
ADRL-SUS-0131	1.31	0.0516	17	0.669	45	3	●
ADRL-SUS-0132	1.32	0.0520	17	0.669	45	3	●
ADRL-SUS-0133	1.33	0.0524	17	0.669	45	3	●
ADRL-SUS-0134	1.34	0.0528	17	0.669	45	3	●
ADRL-SUS-0135	1.35	0.0531	17	0.669	45	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SUS-0136	1.36	0.0535	17	0.669	45	3	●
ADRL-SUS-0137	1.37	0.0539	17	0.669	45	3	●
ADRL-SUS-0138	1.38	0.0543	17	0.669	45	3	●
ADRL-SUS-0139	1.39	0.0547	17	0.669	45	3	●
ADRL-SUS-0140	1.40	0.0551	17	0.669	45	3	●
ADRL-SUS-0141	1.41	0.0555	17	0.669	45	3	●
ADRL-SUS-0142	1.42	0.0559	17	0.669	45	3	●
ADRL-SUS-0143	1.43	0.0563	17	0.669	45	3	●
ADRL-SUS-0144	1.44	0.0567	17	0.669	45	3	●
ADRL-SUS-0145	1.45	0.0571	17	0.669	45	3	●
ADRL-SUS-0146	1.46	0.0575	17	0.669	45	3	●
ADRL-SUS-0147	1.47	0.0579	17	0.669	45	3	●
ADRL-SUS-0148	1.48	0.0583	17	0.669	45	3	●
ADRL-SUS-0149	1.49	0.0587	17	0.669	45	3	●
ADRL-SUS-0150	1.50	0.0591	17	0.669	45	3	●
ADRL-SUS-0151	1.51	0.0594	17	0.669	45	3	●
ADRL-SUS-0152	1.52	0.0598	17	0.669	45	3	●
ADRL-SUS-0153	1.53	0.0602	17	0.669	45	3	●
ADRL-SUS-0154	1.54	0.0606	17	0.669	45	3	●
ADRL-SUS-0155	1.55	0.0610	17	0.669	45	3	●
ADRL-SUS-0156	1.56	0.0614	17	0.669	45	3	●
ADRL-SUS-0157	1.57	0.0618	17	0.669	45	3	●
ADRL-SUS-0158	1.58	0.0622	17	0.669	45	3	●
ADRL-SUS-0159	1.59	0.0626	17	0.669	45	3	●
ADRL-SUS-0160	1.60	0.0630	20	0.787	50	3	●
ADRL-SUS-0161	1.61	0.0634	20	0.787	50	3	●
ADRL-SUS-0162	1.62	0.0638	20	0.787	50	3	●
ADRL-SUS-0163	1.63	0.0642	20	0.787	50	3	●
ADRL-SUS-0164	1.64	0.0646	20	0.787	50	3	●
ADRL-SUS-0165	1.65	0.0650	20	0.787	50	3	●
ADRL-SUS-0166	1.66	0.0654	20	0.787	50	3	●
ADRL-SUS-0167	1.67	0.0657	20	0.787	50	3	●
ADRL-SUS-0168	1.68	0.0661	20	0.787	50	3	●
ADRL-SUS-0169	1.69	0.0665	20	0.787	50	3	●
ADRL-SUS-0170	1.70	0.0669	20	0.787	50	3	●
ADRL-SUS-0171	1.71	0.0673	20	0.787	50	3	●
ADRL-SUS-0172	1.72	0.0677	20	0.787	50	3	●
ADRL-SUS-0173	1.73	0.0681	20	0.787	50	3	●
ADRL-SUS-0174	1.74	0.0685	20	0.787	50	3	●
ADRL-SUS-0175	1.75	0.0689	20	0.787	50	3	●
ADRL-SUS-0176	1.76	0.0693	20	0.787	50	3	●
ADRL-SUS-0177	1.77	0.0697	20	0.787	50	3	●

● US Stock Item ○ Japan Stock Item

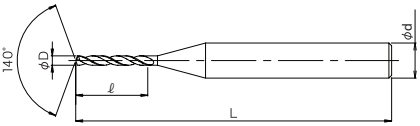
Next Page ▸

Cutting Conditions P.116

Long, FCS Coated, For Hard-to-Cut Materials

ADRL-SUS (Cont.)

CARBIDE | FCS Coating | 140° | 26°~32° | X Thinning D≥0.3mm | Long Flute | SHANK 3mm



ØD Tolerance:
+0 / -0.01 mm (0.1≤D≤3 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SUS-0178	1.78	0.0701	20	0.787	50	3	●
ADRL-SUS-0179	1.79	0.0705	20	0.787	50	3	●
ADRL-SUS-0180	1.80	0.0709	20	0.787	50	3	●
ADRL-SUS-0181	1.81	0.0713	20	0.787	50	3	●
ADRL-SUS-0182	1.82	0.0717	20	0.787	50	3	●
ADRL-SUS-0183	1.83	0.0720	20	0.787	50	3	●
ADRL-SUS-0184	1.84	0.0724	20	0.787	50	3	●
ADRL-SUS-0185	1.85	0.0728	20	0.787	50	3	●
ADRL-SUS-0186	1.86	0.0732	20	0.787	50	3	●
ADRL-SUS-0187	1.87	0.0736	20	0.787	50	3	●
ADRL-SUS-0188	1.88	0.0740	20	0.787	50	3	●
ADRL-SUS-0189	1.89	0.0744	20	0.787	50	3	●
ADRL-SUS-0190	1.90	0.0748	20	0.787	50	3	●
ADRL-SUS-0191	1.91	0.0752	20	0.787	50	3	●
ADRL-SUS-0192	1.92	0.0756	20	0.787	50	3	●
ADRL-SUS-0193	1.93	0.0760	20	0.787	50	3	●
ADRL-SUS-0194	1.94	0.0764	20	0.787	50	3	●
ADRL-SUS-0195	1.95	0.0768	20	0.787	50	3	●
ADRL-SUS-0196	1.96	0.0772	20	0.787	50	3	●
ADRL-SUS-0197	1.97	0.0776	20	0.787	50	3	●
ADRL-SUS-0198	1.98	0.0780	20	0.787	50	3	●
ADRL-SUS-0199	1.99	0.0783	20	0.787	50	3	●
ADRL-SUS-0200	2.00	0.0787	20	0.787	50	3	●
ADRL-SUS-0201	2.01	0.0791	20	0.787	50	3	●
ADRL-SUS-0202	2.02	0.0795	20	0.787	50	3	●
ADRL-SUS-0203	2.03	0.0799	20	0.787	50	3	●
ADRL-SUS-0204	2.04	0.0803	20	0.787	50	3	●
ADRL-SUS-0205	2.05	0.0807	20	0.787	50	3	●
ADRL-SUS-0206	2.06	0.0811	20	0.787	50	3	●
ADRL-SUS-0207	2.07	0.0815	20	0.787	50	3	●
ADRL-SUS-0208	2.08	0.0819	20	0.787	50	3	●
ADRL-SUS-0209	2.09	0.0823	20	0.787	50	3	●
ADRL-SUS-0210	2.10	0.0827	20	0.787	50	3	●
ADRL-SUS-0211	2.11	0.0831	20	0.787	50	3	●
ADRL-SUS-0212	2.12	0.0835	20	0.787	50	3	●
ADRL-SUS-0213	2.13	0.0839	20	0.787	50	3	●
ADRL-SUS-0214	2.14	0.0843	20	0.787	50	3	●
ADRL-SUS-0215	2.15	0.0846	20	0.787	50	3	●
ADRL-SUS-0216	2.16	0.0850	20	0.787	50	3	●
ADRL-SUS-0217	2.17	0.0854	20	0.787	50	3	●
ADRL-SUS-0218	2.18	0.0858	20	0.787	50	3	●
ADRL-SUS-0219	2.19	0.0862	20	0.787	50	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SUS-0220	2.20	0.0866	22	0.866	50	3	●
ADRL-SUS-0221	2.21	0.0870	22	0.866	50	3	●
ADRL-SUS-0222	2.22	0.0874	22	0.866	50	3	●
ADRL-SUS-0223	2.23	0.0878	22	0.866	50	3	●
ADRL-SUS-0224	2.24	0.0882	22	0.866	50	3	●
ADRL-SUS-0225	2.25	0.0886	22	0.866	50	3	●
ADRL-SUS-0226	2.26	0.0890	22	0.866	50	3	●
ADRL-SUS-0227	2.27	0.0894	22	0.866	50	3	●
ADRL-SUS-0228	2.28	0.0898	22	0.866	50	3	●
ADRL-SUS-0229	2.29	0.0902	22	0.866	50	3	●
ADRL-SUS-0230	2.30	0.0906	22	0.866	50	3	●
ADRL-SUS-0231	2.31	0.0909	22	0.866	50	3	●
ADRL-SUS-0232	2.32	0.0913	22	0.866	50	3	●
ADRL-SUS-0233	2.33	0.0917	22	0.866	50	3	●
ADRL-SUS-0234	2.34	0.0921	22	0.866	50	3	●
ADRL-SUS-0235	2.35	0.0925	22	0.866	50	3	●
ADRL-SUS-0236	2.36	0.0929	22	0.866	50	3	●
ADRL-SUS-0237	2.37	0.0933	22	0.866	50	3	●
ADRL-SUS-0238	2.38	0.0937	22	0.866	50	3	●
ADRL-SUS-0239	2.39	0.0941	22	0.866	50	3	●
ADRL-SUS-0240	2.40	0.0945	22	0.866	50	3	●
ADRL-SUS-0241	2.41	0.0949	22	0.866	50	3	●
ADRL-SUS-0242	2.42	0.0953	22	0.866	50	3	●
ADRL-SUS-0243	2.43	0.0957	22	0.866	50	3	●
ADRL-SUS-0244	2.44	0.0961	22	0.866	50	3	●
ADRL-SUS-0245	2.45	0.0965	22	0.866	50	3	●
ADRL-SUS-0246	2.46	0.0969	22	0.866	50	3	●
ADRL-SUS-0247	2.47	0.0972	22	0.866	50	3	●
ADRL-SUS-0248	2.48	0.0976	22	0.866	50	3	●
ADRL-SUS-0249	2.49	0.0980	22	0.866	50	3	●
ADRL-SUS-0250	2.50	0.0984	22	0.866	50	3	●
ADRL-SUS-0251	2.51	0.0988	22	0.866	50	3	●
ADRL-SUS-0252	2.52	0.0992	22	0.866	50	3	●
ADRL-SUS-0253	2.53	0.0996	22	0.866	50	3	●
ADRL-SUS-0254	2.54	0.1000	22	0.866	50	3	●
ADRL-SUS-0255	2.55	0.1004	22	0.866	50	3	●
ADRL-SUS-0256	2.56	0.1008	22	0.866	50	3	●
ADRL-SUS-0257	2.57	0.1012	22	0.866	50	3	●
ADRL-SUS-0258	2.58	0.1016	22	0.866	50	3	●
ADRL-SUS-0259	2.59	0.1020	22	0.866	50	3	●
ADRL-SUS-0260	2.60	0.1024	22	0.866	50	3	●
ADRL-SUS-0261	2.61	0.1028	22	0.866	50	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
○	○	○	○	○			◎	○	◎	

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SUS-0262	2.62	0.1031	22	0.866	50	3	●
ADRL-SUS-0263	2.63	0.1035	22	0.866	50	3	●
ADRL-SUS-0264	2.64	0.1039	22	0.866	50	3	●
ADRL-SUS-0265	2.65	0.1043	22	0.866	50	3	●
ADRL-SUS-0266	2.66	0.1047	22	0.866	50	3	●
ADRL-SUS-0267	2.67	0.1051	22	0.866	50	3	●
ADRL-SUS-0268	2.68	0.1055	22	0.866	50	3	●
ADRL-SUS-0269	2.69	0.1059	22	0.866	50	3	●
ADRL-SUS-0270	2.70	0.1063	25	0.984	60	3	●
ADRL-SUS-0271	2.71	0.1067	25	0.984	60	3	●
ADRL-SUS-0272	2.72	0.1071	25	0.984	60	3	●
ADRL-SUS-0273	2.73	0.1075	25	0.984	60	3	●
ADRL-SUS-0274	2.74	0.1079	25	0.984	60	3	●
ADRL-SUS-0275	2.75	0.1083	25	0.984	60	3	●
ADRL-SUS-0276	2.76	0.1087	25	0.984	60	3	●
ADRL-SUS-0277	2.77	0.1091	25	0.984	60	3	●
ADRL-SUS-0278	2.78	0.1094	25	0.984	60	3	●
ADRL-SUS-0279	2.79	0.1098	25	0.984	60	3	●
ADRL-SUS-0280	2.80	0.1102	25	0.984	60	3	●
ADRL-SUS-0281	2.81	0.1106	25	0.984	60	3	●

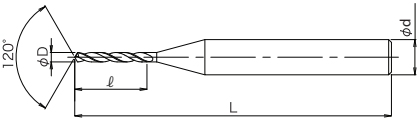
● US Stock Item ○ Japan Stock Item

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-SUS-0282	2.82	0.1110	25	0.984	60	3	●
ADRL-SUS-0283	2.83	0.1114	25	0.984	60	3	●
ADRL-SUS-0284	2.84	0.1118	25	0.984	60	3	●
ADRL-SUS-0285	2.85	0.1122	25	0.984	60	3	●
ADRL-SUS-0286	2.86	0.1126	25	0.984	60	3	●
ADRL-SUS-0287	2.87	0.1130	25	0.984	60	3	●
ADRL-SUS-0288	2.88	0.1134	25	0.984	60	3	●
ADRL-SUS-0289	2.89	0.1138	25	0.984	60	3	●
ADRL-SUS-0290	2.90	0.1142	25	0.984	60	3	●
ADRL-SUS-0291	2.91	0.1146	25	0.984	60	3	●
ADRL-SUS-0292	2.92	0.1150	25	0.984	60	3	●
ADRL-SUS-0293	2.93	0.1154	25	0.984	60	3	●
ADRL-SUS-0294	2.94	0.1157	25	0.984	60	3	●
ADRL-SUS-0295	2.95	0.1161	25	0.984	60	3	●
ADRL-SUS-0296	2.96	0.1165	25	0.984	60	3	●
ADRL-SUS-0297	2.97	0.1169	25	0.984	60	3	●
ADRL-SUS-0298	2.98	0.1173	25	0.984	60	3	●
ADRL-SUS-0299	2.99	0.1177	25	0.984	60	3	●
ADRL-SUS-0300	3.00	0.1181	25	0.984	60	3	●

Cutting Conditions P.116

Regular, DLC Coated, For Non-Ferrous

ADR-DLC



ØD Tolerance:
+0 / -0.005 mm (0.1≤D≤1 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-DLC-0010	0.10	0.0039	1.2	0.047	38	3	●
ADR-DLC-0011	0.11	0.0043	1.2	0.047	38	3	●
ADR-DLC-0012	0.12	0.0047	1.4	0.055	38	3	●
ADR-DLC-0013	0.13	0.0051	1.4	0.055	38	3	●
ADR-DLC-0014	0.14	0.0055	1.4	0.055	38	3	●
ADR-DLC-0015	0.15	0.0059	1.8	0.071	38	3	●
ADR-DLC-0016	0.16	0.0063	1.8	0.071	38	3	●
ADR-DLC-0017	0.17	0.0067	1.8	0.071	38	3	●
ADR-DLC-0018	0.18	0.0071	2.1	0.083	38	3	●
ADR-DLC-0019	0.19	0.0075	2.1	0.083	38	3	●
ADR-DLC-0020	0.20	0.0079	2.4	0.094	38	3	●
ADR-DLC-0021	0.21	0.0083	2.4	0.094	38	3	●
ADR-DLC-0022	0.22	0.0087	2.6	0.102	38	3	●
ADR-DLC-0023	0.23	0.0091	2.6	0.102	38	3	●
ADR-DLC-0024	0.24	0.0094	2.6	0.102	38	3	●
ADR-DLC-0025	0.25	0.0098	3	0.118	38	3	●
ADR-DLC-0026	0.26	0.0102	3	0.118	38	3	●
ADR-DLC-0027	0.27	0.0106	3	0.118	38	3	●
ADR-DLC-0028	0.28	0.0110	3.3	0.130	38	3	●
ADR-DLC-0029	0.29	0.0114	3.3	0.130	38	3	●
ADR-DLC-0030	0.30	0.0118	5	0.197	38	3	●
ADR-DLC-0031	0.31	0.0122	5	0.197	38	3	●
ADR-DLC-0032	0.32	0.0126	5	0.197	38	3	●
ADR-DLC-0033	0.33	0.0130	5	0.197	38	3	●
ADR-DLC-0034	0.34	0.0134	5	0.197	38	3	●
ADR-DLC-0035	0.35	0.0138	5	0.197	38	3	●
ADR-DLC-0036	0.36	0.0142	5	0.197	38	3	●
ADR-DLC-0037	0.37	0.0146	5	0.197	38	3	●
ADR-DLC-0038	0.38	0.0150	5	0.197	38	3	●
ADR-DLC-0039	0.39	0.0154	5	0.197	38	3	●
ADR-DLC-0040	0.40	0.0157	6	0.236	38	3	●
ADR-DLC-0041	0.41	0.0161	6	0.236	38	3	●
ADR-DLC-0042	0.42	0.0165	6	0.236	38	3	●
ADR-DLC-0043	0.43	0.0169	6	0.236	38	3	●
ADR-DLC-0044	0.44	0.0173	6	0.236	38	3	●
ADR-DLC-0045	0.45	0.0177	6	0.236	38	3	●
ADR-DLC-0046	0.46	0.0181	6	0.236	38	3	●
ADR-DLC-0047	0.47	0.0185	6	0.236	38	3	●
ADR-DLC-0048	0.48	0.0189	6	0.236	38	3	●
ADR-DLC-0049	0.49	0.0193	6	0.236	38	3	●
ADR-DLC-0050	0.50	0.0197	6	0.236	38	3	●
ADR-DLC-0051	0.51	0.0201	6	0.236	38	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-DLC-0052	0.52	0.0205	6	0.236	38	3	●
ADR-DLC-0053	0.53	0.0209	6	0.236	38	3	●
ADR-DLC-0054	0.54	0.0213	6	0.236	38	3	●
ADR-DLC-0055	0.55	0.0217	6	0.236	38	3	●
ADR-DLC-0056	0.56	0.0220	6	0.236	38	3	●
ADR-DLC-0057	0.57	0.0224	6	0.236	38	3	●
ADR-DLC-0058	0.58	0.0228	6	0.236	38	3	●
ADR-DLC-0059	0.59	0.0232	6	0.236	38	3	●
ADR-DLC-0060	0.60	0.0236	7	0.276	38	3	●
ADR-DLC-0061	0.61	0.0240	7	0.276	38	3	●
ADR-DLC-0062	0.62	0.0244	7	0.276	38	3	●
ADR-DLC-0063	0.63	0.0248	7	0.276	38	3	●
ADR-DLC-0064	0.64	0.0252	7	0.276	38	3	●
ADR-DLC-0065	0.65	0.0256	7	0.276	38	3	●
ADR-DLC-0066	0.66	0.0260	7	0.276	38	3	●
ADR-DLC-0067	0.67	0.0264	7	0.276	38	3	●
ADR-DLC-0068	0.68	0.0268	7	0.276	38	3	●
ADR-DLC-0069	0.69	0.0272	7	0.276	38	3	●
ADR-DLC-0070	0.70	0.0276	8	0.315	38	3	●
ADR-DLC-0071	0.71	0.0280	8	0.315	38	3	●
ADR-DLC-0072	0.72	0.0283	8	0.315	38	3	●
ADR-DLC-0073	0.73	0.0287	8	0.315	38	3	●
ADR-DLC-0074	0.74	0.0291	8	0.315	38	3	●
ADR-DLC-0075	0.75	0.0295	8	0.315	38	3	●
ADR-DLC-0076	0.76	0.0299	8	0.315	38	3	●
ADR-DLC-0077	0.77	0.0303	8	0.315	38	3	●
ADR-DLC-0078	0.78	0.0307	8	0.315	38	3	●
ADR-DLC-0079	0.79	0.0311	8	0.315	38	3	●
ADR-DLC-0080	0.80	0.0315	8	0.315	38	3	●
ADR-DLC-0081	0.81	0.0319	8	0.315	38	3	●
ADR-DLC-0082	0.82	0.0323	8	0.315	38	3	●
ADR-DLC-0083	0.83	0.0327	8	0.315	38	3	●
ADR-DLC-0084	0.84	0.0331	8	0.315	38	3	●
ADR-DLC-0085	0.85	0.0335	8	0.315	38	3	●
ADR-DLC-0086	0.86	0.0339	8	0.315	38	3	●
ADR-DLC-0087	0.87	0.0343	8	0.315	38	3	●
ADR-DLC-0088	0.88	0.0346	8	0.315	38	3	●
ADR-DLC-0089	0.89	0.0350	8	0.315	38	3	●
ADR-DLC-0090	0.90	0.0354	8	0.315	38	3	●
ADR-DLC-0091	0.91	0.0358	8	0.315	38	3	●
ADR-DLC-0092	0.92	0.0362	8	0.315	38	3	●
ADR-DLC-0093	0.93	0.0366	8	0.315	38	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
					◎	◎				○

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-DLC-0094	0.94	0.0370	8	0.315	38	3	●
ADR-DLC-0095	0.95	0.0374	8	0.315	38	3	●
ADR-DLC-0096	0.96	0.0378	8	0.315	38	3	●
ADR-DLC-0097	0.97	0.0382	8	0.315	38	3	●

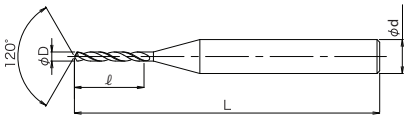
● US Stock Item ○ Japan Stock Item

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADR-DLC-0098	0.98	0.0386	8	0.315	38	3	●
ADR-DLC-0099	0.99	0.0390	8	0.315	38	3	●
ADR-DLC-0100	1.00	0.0394	10	0.394	38	3	●

Cutting Conditions P.117

Long, DLC Coated, For Non-Ferrous

ADRL-DLC



ØD Tolerance:
+0 / -0.005 mm (0.1≤D≤1 mm)

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-DLC-0010	0.10	0.0039	2.5	0.098	38	3	●
ADRL-DLC-0011	0.11	0.0043	2.5	0.098	38	3	●
ADRL-DLC-0012	0.12	0.0047	3	0.118	38	3	●
ADRL-DLC-0013	0.13	0.0051	3	0.118	38	3	●
ADRL-DLC-0014	0.14	0.0055	3	0.118	38	3	●
ADRL-DLC-0015	0.15	0.0059	4	0.157	38	3	●
ADRL-DLC-0016	0.16	0.0063	4	0.157	38	3	●
ADRL-DLC-0017	0.17	0.0067	4.5	0.177	38	3	●
ADRL-DLC-0018	0.18	0.0071	4.5	0.177	38	3	●
ADRL-DLC-0019	0.19	0.0075	4.5	0.177	38	3	●
ADRL-DLC-0020	0.20	0.0079	6	0.236	38	3	●
ADRL-DLC-0021	0.21	0.0083	6	0.236	38	3	●
ADRL-DLC-0022	0.22	0.0087	6	0.236	38	3	●
ADRL-DLC-0023	0.23	0.0091	6	0.236	38	3	●
ADRL-DLC-0024	0.24	0.0094	6	0.236	38	3	●
ADRL-DLC-0025	0.25	0.0098	7	0.276	38	3	●
ADRL-DLC-0026	0.26	0.0102	7	0.276	38	3	●
ADRL-DLC-0027	0.27	0.0106	7	0.276	38	3	●
ADRL-DLC-0028	0.28	0.0110	7	0.276	38	3	●
ADRL-DLC-0029	0.29	0.0114	7	0.276	38	3	●
ADRL-DLC-0030	0.30	0.0118	9	0.354	45	3	●
ADRL-DLC-0031	0.31	0.0122	9	0.354	45	3	●
ADRL-DLC-0032	0.32	0.0126	9	0.354	45	3	●
ADRL-DLC-0033	0.33	0.0130	9	0.354	45	3	●
ADRL-DLC-0034	0.34	0.0134	9	0.354	45	3	●
ADRL-DLC-0035	0.35	0.0138	10	0.394	45	3	●
ADRL-DLC-0036	0.36	0.0142	10	0.394	45	3	●
ADRL-DLC-0037	0.37	0.0146	10	0.394	45	3	●
ADRL-DLC-0038	0.38	0.0150	10	0.394	45	3	●
ADRL-DLC-0039	0.39	0.0154	10	0.394	45	3	●
ADRL-DLC-0040	0.40	0.0157	12	0.472	45	3	●
ADRL-DLC-0041	0.41	0.0161	12	0.472	45	3	●
ADRL-DLC-0042	0.42	0.0165	12	0.472	45	3	●
ADRL-DLC-0043	0.43	0.0169	12	0.472	45	3	●
ADRL-DLC-0044	0.44	0.0173	12	0.472	45	3	●
ADRL-DLC-0045	0.45	0.0177	12	0.472	45	3	●
ADRL-DLC-0046	0.46	0.0181	12	0.472	45	3	●
ADRL-DLC-0047	0.47	0.0185	12	0.472	45	3	●
ADRL-DLC-0048	0.48	0.0189	12	0.472	45	3	●
ADRL-DLC-0049	0.49	0.0193	12	0.472	45	3	●
ADRL-DLC-0050	0.50	0.0197	12	0.472	45	3	●
ADRL-DLC-0051	0.51	0.0201	12	0.472	45	3	●

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-DLC-0052	0.52	0.0205	12	0.472	45	3	●
ADRL-DLC-0053	0.53	0.0209	12	0.472	45	3	●
ADRL-DLC-0054	0.54	0.0213	12	0.472	45	3	●
ADRL-DLC-0055	0.55	0.0217	12	0.472	45	3	●
ADRL-DLC-0056	0.56	0.0220	12	0.472	45	3	●
ADRL-DLC-0057	0.57	0.0224	12	0.472	45	3	●
ADRL-DLC-0058	0.58	0.0228	12	0.472	45	3	●
ADRL-DLC-0059	0.59	0.0232	12	0.472	45	3	●
ADRL-DLC-0060	0.60	0.0236	15	0.591	45	3	●
ADRL-DLC-0061	0.61	0.0240	15	0.591	45	3	●
ADRL-DLC-0062	0.62	0.0244	15	0.591	45	3	●
ADRL-DLC-0063	0.63	0.0248	15	0.591	45	3	●
ADRL-DLC-0064	0.64	0.0252	15	0.591	45	3	●
ADRL-DLC-0065	0.65	0.0256	15	0.591	45	3	●
ADRL-DLC-0066	0.66	0.0260	15	0.591	45	3	●
ADRL-DLC-0067	0.67	0.0264	15	0.591	45	3	●
ADRL-DLC-0068	0.68	0.0268	15	0.591	45	3	●
ADRL-DLC-0069	0.69	0.0272	15	0.591	45	3	●
ADRL-DLC-0070	0.70	0.0276	15	0.591	45	3	●
ADRL-DLC-0071	0.71	0.0280	15	0.591	45	3	●
ADRL-DLC-0072	0.72	0.0283	15	0.591	45	3	●
ADRL-DLC-0073	0.73	0.0287	15	0.591	45	3	●
ADRL-DLC-0074	0.74	0.0291	15	0.591	45	3	●
ADRL-DLC-0075	0.75	0.0295	15	0.591	45	3	●
ADRL-DLC-0076	0.76	0.0299	15	0.591	45	3	●
ADRL-DLC-0077	0.77	0.0303	15	0.591	45	3	●
ADRL-DLC-0078	0.78	0.0307	15	0.591	45	3	●
ADRL-DLC-0079	0.79	0.0311	15	0.591	45	3	●
ADRL-DLC-0080	0.80	0.0315	15	0.591	45	3	●
ADRL-DLC-0081	0.81	0.0319	15	0.591	45	3	●
ADRL-DLC-0082	0.82	0.0323	15	0.591	45	3	●
ADRL-DLC-0083	0.83	0.0327	15	0.591	45	3	●
ADRL-DLC-0084	0.84	0.0331	15	0.591	45	3	●
ADRL-DLC-0085	0.85	0.0335	15	0.591	45	3	●
ADRL-DLC-0086	0.86	0.0339	15	0.591	45	3	●
ADRL-DLC-0087	0.87	0.0343	15	0.591	45	3	●
ADRL-DLC-0088	0.88	0.0346	15	0.591	45	3	●
ADRL-DLC-0089	0.89	0.0350	15	0.591	45	3	●
ADRL-DLC-0090	0.90	0.0354	15	0.591	45	3	●
ADRL-DLC-0091	0.91	0.0358	15	0.591	45	3	●
ADRL-DLC-0092	0.92	0.0362	15	0.591	45	3	●
ADRL-DLC-0093	0.93	0.0366	15	0.591	45	3	●

● US Stock Item ○ Japan Stock Item

Carbon Steels	Alloy Steels	Prehardened Steels Tool Steels Die Steels 30~38 HRC	Stainless Steels	Cast Iron	Aluminum Alloys	Copper Alloys	Nickel Alloys	Titanium Alloys	Hardened Steels ~50 HRC	Resin
					◎	◎				○

◎ Best ○ Good △ OK

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-DLC-0094	0.94	0.0370	15	0.591	45	3	●
ADRL-DLC-0095	0.95	0.0374	15	0.591	45	3	●
ADRL-DLC-0096	0.96	0.0378	15	0.591	45	3	●
ADRL-DLC-0097	0.97	0.0382	15	0.591	45	3	●

● US Stock Item ○ Japan Stock Item

PRODUCT NUMBER	ØD		ℓ		L	d	STOCK
	mm	inch	mm	inch	mm	mm	
ADRL-DLC-0098	0.98	0.0386	15	0.591	45	3	●
ADRL-DLC-0099	0.99	0.0390	15	0.591	45	3	●
ADRL-DLC-0100	1.00	0.0394	20	0.787	50	3	●

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