

CoroDrill® 862 solid carbide micro drill

For multi-materials

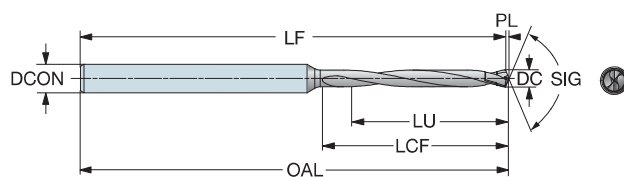
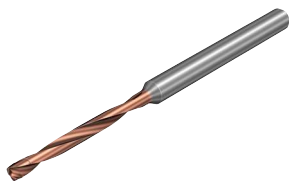
Optimized,

Coated 9xD

External coolant supply

TCHA H7

SIG 140°



							P	M	K	N	S	H	O	Dimensions, mm, inch										
							X2BL	X2BL	X2BL	X2BL	X2BL	X2BL	X2BL	X2BL										
DC	DC*	LU	LU"	ULDR	CZC _{MS}	Ordering code	☆	☆	☆	☆	☆	☆	☆	DCON _{MS}	DCON _{MS} "	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	
2.90	.114	26.1	1.028	9	3	862.1-2900-261A0-GM	☆	☆	☆	☆	☆	☆	☆	3.0	.118	65	2.559	64.5	2.538	31	1.256	0.5	.021	
2.95	.116	26.6	1.045	9	3	862.1-2950-265A0-GM	☆	☆	☆	☆	☆	☆	☆	3.0	.118	65	2.559	64.5	2.538	32	1.280	0.5	.021	
3.00	.118	27.0	1.063	9	3	862.1-3000-270A0-GM	☆	☆	☆	☆	☆	☆	☆	3.0	.118	65	2.559	64.5	2.537	33	1.299	0.5	.021	



81

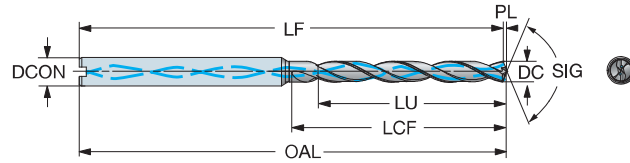
CoroDrill® 862 solid carbide micro drill

For multi-materials

Optimized,

Coated 9xD

Internal coolant supply

TCHA JS7
SIG 140°

							P	M	K	N	S	H	O	Dimensions, mm, inch											
							XZBM	XZBM	XZBM	XZBM	XZBM	XZBM	XZBM		DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF''	PL	PL*	
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.8	2.001	11	.433	0.2	.007		
1.00	.039	9.0	.354	9	3	862.1-1000-090A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.8	2.000	12	.472	0.2	.008		
1.10	.043	9.9	.390	9	3	862.1-1100-099A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.8	1.999	13	.512	0.2	.009		
1.20	.047	10.8	.425	9	3	862.1-1200-108A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.8	1.998	14	.551	0.2	.009		
1.30	.051	11.7	.461	9	3	862.1-1300-117A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.8	1.998	15	.591	0.3	.010		
1.40	.055	12.6	.496	9	3	862.1-1400-126A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.7	1.997	16	.630	0.3	.011		
1.50	.059	13.5	.531	9	3	862.1-1500-135A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.7	1.996	17	.669	0.3	.011		
1.60	.063	14.4	.567	9	3	862.1-1600-144A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.7	1.995	18	.708	0.3	.012		
1.70	.067	15.3	.602	9	3	862.1-1700-153A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.6	1.994	19	.748	0.3	.013		
1.80	.071	16.2	.638	9	3	862.1-1800-162A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.6	1.994	20	.787	0.3	.014		
1.85	.073	16.2	.638	8	3	862.1-1850-162A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.6	1.994	20	.787	0.4	.014		
1.90	.075	17.1	.673	9	3	862.1-1900-171A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.6	1.994	21	.827	0.4	.015		
1.98	.078	17.1	.673	8	3	862.1-1980-171A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.6	1.994	21	.827	0.4	.015		
2.00	.079	18.0	.709	9	3	862.1-2000-180A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.6	1.993	21	.827	0.4	.015		
2.05	.081	18.0	.709	8	3	862.1-2050-180A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.6	1.993	21	.827	0.4	.015		
2.08	.082	18.0	.709	8	3	862.1-2080-180A1-GM	*	*	*	*	*	*	*	3.0	.118	51	2.008	50.6	1.993	21	.827	0.4	.015		
2.10	.083	18.9	.744	9	3	862.1-2100-189A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.387	22	.866	0.4	.015		
2.15	.085	18.9	.744	8	3	862.1-2150-189A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.386	22	.866	0.4	.015		
2.18	.086	18.9	.744	8	3	862.1-2180-189A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.386	22	.866	0.4	.016		
2.20	.087	19.8	.780	9	3	862.1-2200-198A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.386	23	.906	0.4	.016		
2.25	.089	19.8	.780	8	3	862.1-2250-198A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.385	23	.906	0.4	.016		
2.26	.089	19.8	.780	8	3	862.1-2260-198A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.385	23	.906	0.4	.016		
2.30	.091	20.7	.815	9	3	862.1-2300-207A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.385	24	.945	0.4	.016		
2.38	.094	20.7	.815	8	3	862.1-2380-207A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.385	24	.945	0.4	.017		
2.40	.094	21.6	.850	9	3	862.1-2400-216A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.384	24	.965	0.4	.017		
2.44	.096	21.6	.850	8	3	862.1-2440-216A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.6	2.384	24	.965	0.4	.017		
2.50	.098	22.5	.886	9	3	862.1-2500-225A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.383	25	.984	0.5	.018		
2.58	.102	22.5	.886	8	3	862.1-2580-225A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.383	25	.984	0.5	.018		
2.60	.102	23.4	.921	9	3	862.1-2600-234A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.382	26	1.043	0.5	.019		
2.64	.104	23.4	.921	8	3	862.1-2640-234A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.382	26	1.043	0.5	.019		
2.70	.106	24.3	.957	9	3	862.1-2700-243A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.382	27	1.083	0.5	.019		
2.71	.107	24.3	.957	8	3	862.1-2710-243A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.382	27	1.083	0.5	.019		
2.80	.110	25.2	.992	9	3	862.1-2800-252A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.382	28	1.102	0.5	.020		
2.82	.111	25.2	.992	8	3	862.1-2820-252A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.382	28	1.102	0.5	.020		
2.87	.113	25.2	.992	8	3	862.1-2870-252A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.381	28	1.102	0.5	.021		
2.90	.114	26.1	1.028	9	3	862.1-2900-261A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.381	29	1.142	0.5	.021		
2.95	.116	26.1	1.028	8	3	862.1-2950-261A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.380	29	1.142	0.5	.021		
3.00	.118	27.0	1.063	9	3	862.1-3000-270A1-GM	*	*	*	*	*	*	*	3.0	.118	61	2.402	60.5	2.380	31	1.220	0.5	.021		

B

C

D

E



81



84

CoroDrill® 862 solid carbide micro drill

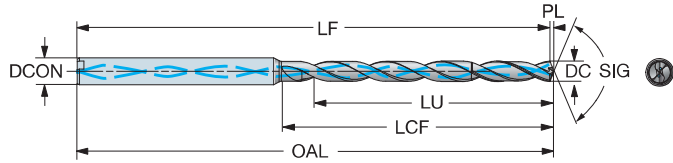
For multi-materials

Optimized,

Coated 12xD

Internal coolant supply

TCHA JS7
SIG 137°



DC	DC*	LU	LU*	ULDR	CZC _{M/S}	Ordering code	Material						Dimensions, mm, inch										
							P	M	K	N	S	H	Q	DC _{CON_{M/S}}	DC _{CON_{M/S}} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
1.00	.039	12.0	.472	12	3	862.1-1000-120A1-GM	*	*	*	*	*	*	☆	3.0	.118	50	1.969	49.8	1.961	14	.551	0.2	.008
1.10	.043	13.2	.520	12	3	862.1-1100-132A1-GM	*	*	*	*	*	*	☆	3.0	.118	50	1.969	49.8	1.961	15	.610	0.2	.009
1.20	.047	14.4	.567	12	3	862.1-1200-144A1-GM	*	*	*	*	*	*	☆	3.0	.118	50	1.969	49.8	1.960	16	.650	0.2	.009
1.30	.051	15.6	.614	12	3	862.1-1300-156A1-GM	*	*	*	*	*	*	☆	3.0	.118	50	1.969	49.8	1.959	17	.689	0.3	.010
1.40	.055	16.8	.661	12	3	862.1-1400-168A1-GM	*	*	*	*	*	*	☆	3.0	.118	50	1.969	49.8	1.959	19	.748	0.3	.011
1.50	.059	18.0	.709	12	3	862.1-1500-180A1-GM	*	*	*	*	*	*	☆	3.0	.118	50	1.969	49.7	1.958	21	.827	0.3	.012
1.60	.063	19.2	.756	12	3	862.1-1600-192A1-GM	*	*	*	*	*	*	☆	3.0	.118	50	1.969	49.7	1.957	22	.886	0.3	.012
1.70	.067	20.4	.803	12	3	862.1-1700-204A1-GM	*	*	*	*	*	*	☆	3.0	.118	50	1.969	49.7	1.956	23	.925	0.3	.013
1.80	.071	21.6	.850	12	3	862.1-1800-216A1-GM	*	*	*	*	*	*	☆	3.0	.118	50	1.969	49.7	1.956	24	.965	0.4	.014
1.85	.073	21.6	.850	11	3	862.1-1850-216A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.7	2.152	24	.965	0.4	.014
1.90	.075	22.8	.898	12	3	862.1-1900-228A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.7	2.152	26	1.024	0.4	.015
1.98	.078	22.8	.898	11	3	862.1-1980-228A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.151	26	1.024	0.4	.015
2.00	.079	24.0	.945	12	3	862.1-2000-240A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.151	27	1.063	0.4	.016
2.05	.081	24.0	.945	11	3	862.1-2050-240A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.151	27	1.063	0.4	.016
2.08	.082	24.0	.945	11	3	862.1-2080-240A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.150	27	1.063	0.4	.016
2.10	.083	25.2	.992	12	3	862.1-2100-252A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.150	28	1.122	0.4	.016
2.15	.085	25.2	.992	11	3	862.1-2150-252A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.150	28	1.122	0.4	.017
2.18	.086	25.2	.992	11	3	862.1-2180-252A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.150	28	1.122	0.4	.017
2.20	.087	26.4	1.039	12	3	862.1-2200-264A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.150	29	1.161	0.4	.017
2.25	.089	26.4	1.039	11	3	862.1-2250-264A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.149	29	1.161	0.4	.017
2.26	.089	26.4	1.039	11	3	862.1-2260-264A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.149	33	1.299	0.4	.018
2.30	.091	27.6	1.087	12	3	862.1-2300-276A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.149	30	1.201	0.5	.018
2.38	.094	27.6	1.087	11	3	862.1-2380-276A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.148	30	1.201	0.5	.018
2.40	.094	28.8	1.134	12	3	862.1-2400-288A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.148	32	1.260	0.5	.019
2.44	.096	28.8	1.134	11	3	862.1-2440-288A1-GM	*	*	*	*	*	*	☆	3.0	.118	55	2.165	54.6	2.148	32	1.260	0.5	.019
2.50	.098	30.0	1.181	12	3	862.1-2500-300A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.6	2.344	33	1.299	0.5	.019
2.58	.102	30.0	1.181	11	3	862.1-2580-300A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.344	33	1.299	0.5	.020
2.60	.102	31.2	1.228	12	3	862.1-2600-312A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.344	34	1.358	0.5	.020
2.64	.104	31.2	1.228	11	3	862.1-2640-312A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.343	34	1.358	0.5	.020
2.70	.106	32.4	1.276	12	3	862.1-2700-324A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.343	35	1.398	0.5	.021
2.71	.107	32.4	1.276	11	3	862.1-2710-324A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.343	35	1.398	0.5	.021
2.80	.110	33.6	1.323	12	3	862.1-2800-336A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.342	36	1.437	0.6	.022
2.82	.111	33.6	1.323	11	3	862.1-2820-336A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.342	36	1.437	0.6	.022
2.87	.113	33.6	1.323	11	3	862.1-2870-336A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.342	36	1.437	0.6	.022
2.90	.114	34.8	1.370	12	3	862.1-2900-348A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.341	38	1.496	0.6	.022
2.95	.116	34.8	1.370	11	3	862.1-2950-348A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.341	38	1.496	0.6	.023
3.00	.118	36.0	1.417	12	3	862.1-3000-360A1-GM	*	*	*	*	*	*	☆	3.0	.118	60	2.362	59.5	2.341	40	1.575	0.6	.023



CoroDrill® 862 solid carbide micro drill

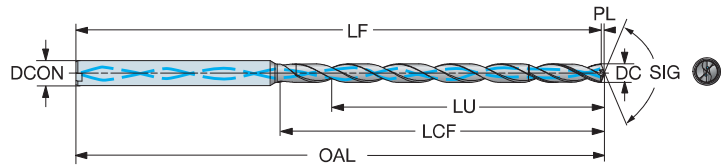
For multi-materials

Optimized

Coated 16xD

Internal coolant supply

TCHA JS7
SIG 137°



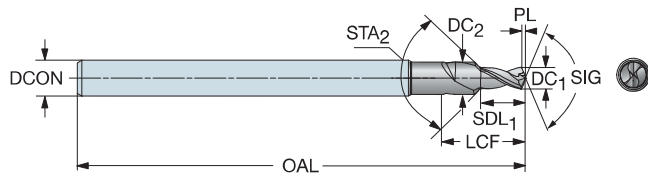
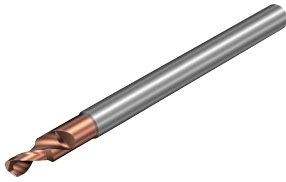
							P	M	K	N	S	H	O	Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	1/2 B L	1/2 B L	1/2 B L	1/2 B L	1/2 B L	1/2 B L	1/2 B L	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
1.00	.039	16.0	.630	16	3	862.1-1000-160A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.8	2.552	18	.709	0.2	.008
1.10	.043	17.6	.693	16	3	862.1-1100-176A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.8	2.551	19	.768	0.2	.009
1.20	.047	19.2	.756	16	3	862.1-1200-192A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.8	2.550	21	.827	0.2	.009
1.30	.051	20.8	.819	16	3	862.1-1300-208A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.8	2.550	23	.906	0.3	.010
1.40	.055	22.4	.882	16	3	862.1-1400-224A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.8	2.549	24	.965	0.3	.011
1.50	.059	24.0	.945	16	3	862.1-1500-240A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.7	2.548	27	1.063	0.3	.012
1.60	.063	25.6	1.008	16	3	862.1-1600-256A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.7	2.548	28	1.122	0.3	.012
1.70	.067	27.2	1.071	16	3	862.1-1700-272A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.7	2.547	30	1.181	0.3	.013
1.80	.071	28.8	1.134	16	3	862.1-1800-288A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.7	2.546	32	1.260	0.4	.014
1.90	.075	30.4	1.197	16	3	862.1-1900-304A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.7	2.545	33	1.319	0.4	.015
2.00	.079	32.0	1.260	16	3	862.1-2000-320A1-GM	*	*	*	*	*	*	*	3.0	.118	65	2.559	64.6	2.545	35	1.378	0.4	.016
2.10	.083	33.6	1.323	16	3	862.1-2100-336A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.6	3.213	36	1.437	0.4	.016
2.20	.087	35.2	1.386	16	3	862.1-2200-352A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.6	3.213	38	1.496	0.4	.017
2.30	.091	36.8	1.449	16	3	862.1-2300-368A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.6	3.212	40	1.575	0.5	.018
2.40	.094	38.4	1.512	16	3	862.1-2400-384A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.6	3.211	41	1.634	0.5	.019
2.50	.098	40.0	1.575	16	3	862.1-2500-400A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.6	3.211	43	1.693	0.5	.019
2.60	.102	41.6	1.638	16	3	862.1-2600-416A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.5	3.210	44	1.752	0.5	.020
2.70	.106	43.2	1.701	16	3	862.1-2700-432A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.5	3.209	46	1.811	0.5	.021
2.80	.110	44.8	1.764	16	3	862.1-2800-448A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.5	3.208	48	1.890	0.6	.022
2.90	.114	46.4	1.827	16	3	862.1-2900-464A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.5	3.207	49	1.949	0.6	.022
3.00	.118	48.0	1.890	16	3	862.1-3000-480A1-GM	*	*	*	*	*	*	*	3.0	.118	82	3.228	81.5	3.207	52	2.047	0.6	.023



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DC ₁	DC ₁ ⁺	DC ₂	DC ₂ ⁺	STA	LU	LU ⁺	CZC _{MS}	Ordering code	Dimensions, mm, inch																	
									P	M	K	N	S	H	O											
2.58	.102	3.44	.135	90°	5.0	.197	4	862.2-2580-050A0-GP	★	★	★	★	★	★	★	☆	DCON _{MS}	DCON _{MS} ⁺	OAL	OAL ⁺	LF	LF ⁺	LCF	LCF ⁺	PL	PL ⁺
2.60	.102	3.47	.137	90°	5.2	.205	4	862.2-2600-052A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.939	12	.500	0.5	.018
2.64	.104	3.50	.138	90°	5.2	.205	4	862.2-2640-052A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.939	12	.500	0.5	.019
2.65	.104	3.53	.139	90°	5.2	.205	4	862.2-2650-052A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.939	12	.500	0.5	.019
2.70	.106	3.60	.142	90°	5.4	.213	4	862.2-2700-054A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.938	13	.531	0.5	.019
2.71	.107	3.61	.142	90°	5.4	.213	4	862.2-2710-054A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.938	13	.531	0.5	.019
2.75	.108	3.67	.144	90°	5.4	.213	4	862.2-2750-054A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.937	13	.531	0.5	.020
2.80	.110	3.73	.147	90°	5.6	.220	4	862.2-2800-056A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.937	13	.531	0.5	.020
2.82	.111	3.76	.148	90°	5.6	.220	4	862.2-2820-056A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.937	13	.531	0.5	.020
2.85	.112	3.80	.150	90°	5.6	.220	4	862.2-2850-056A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.936	13	.531	0.5	.020
2.87	.113	3.83	.151	90°	5.6	.220	4	862.2-2870-056A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.936	13	.531	0.5	.021
2.90	.114	3.87	.152	90°	5.8	.228	4	862.2-2900-058A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.935	14	.551	0.5	.021
2.95	.116	3.93	.155	90°	5.9	.232	4	862.2-2950-059A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.935	14	.551	0.5	.021
3.00	.118	4.00	.157	90°	6.0	.236	4	862.2-3000-060A0-GP	★	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.1	1.934	14	.551	0.5	.021

