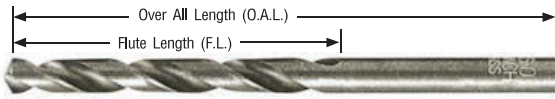


Straight Shank Drills (METRIC) ดอกสว่านไฮสปิด เจาะเหล็กกันตรง มาตรฐาน JIS



- General purpose, applicable for a wide range of materials such as mild steels, alloy steels, cast irons and so on.
- Conical Lip Relief สำหรับดอกสว่านขนาดเล็กกว่า หรือเท่ากับ 13mm
- S-Thinning สำหรับดอกสว่านขนาดใหญ่กว่า 13mm

LIST 500

GEM Code NCL500



ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	USJ	ราคา ดอกละ (บาท)	ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	USJ	ราคา ดอกละ (บาท)	ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	USJ	ราคา ดอกละ (บาท)	ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	USJ	ราคา ดอกละ (บาท)
0.2	3.0	19	10	330	2.8	39	67	10	51	6.6	73	105	10	140	10.9	103	140	5	368
0.25	3.5	20	10	368	2.85	39	67	10	77	6.7	73	105	10	140	11.0	103	140	5	368
0.3	3.5	20	10	178	2.9	42	71	10	51	6.75	73	105	10	216	11.1	103	140	5	407
0.35	5.5	24	10	242	2.95	42	71	10	77	6.8	73	105	10	140	11.2	106	143	5	407
0.4	5.5	24	10	154	3.0	42	71	10	49	6.9	73	105	10	140	11.25	106	143	5	456
0.45	7.5	27	10	192	3.05	42	71	10	77	7.0	73	105	10	138	11.3	106	143	5	407
0.5	7.5	27	10	139	3.1	42	71	10	52	7.1	75	108	10	159	11.4	106	143	5	407
0.55	8.5	30	10	165	3.15	42	71	10	84	7.2	75	108	10	159	11.5	106	143	5	381
0.6	8.5	30	10	128	3.2	42	71	10	52	7.25	75	108	10	242	11.6	109	146	5	445
0.65	10	32	10	154	3.25	42	71	10	84	7.3	75	108	10	159	11.7	109	146	5	445
0.7	10	32	10	77	3.3	45	73	10	52	7.4	78	111	10	159	11.75	109	146	5	557
0.75	11	34	10	84	3.35	45	73	10	84	7.5	78	111	10	159	11.8	109	146	5	445
0.8	11	34	10	65	3.4	45	73	10	52	7.6	78	111	10	179	11.9	109	146	5	445
0.85	13	36	10	70	3.45	45	73	10	84	7.7	81	114	10	179	12.0	111	149	5	432
0.9	13	36	10	65	3.5	45	73	10	51	7.75	81	114	10	268	12.1	111	149	5	509
0.95	18	40	10	70	3.6	48	76	10	60	7.8	81	114	10	179	12.2	111	149	5	509
1.0	18	40	10	52	3.7	48	76	10	60	7.9	81	114	10	179	12.25	111	149	5	711
1.05	20	42	10	77	3.75	48	76	10	96	8.0	81	114	10	179	12.3	111	149	5	509
1.1	20	42	10	52	3.8	48	76	10	60	8.1	84	117	5	197	12.4	114	152	5	509
1.15	20	42	10	77	3.9	51	79	10	60	8.2	84	117	5	197	12.5	114	152	5	456
1.2	20	42	10	52	4.0	54	83	10	60	8.25	84	117	5	318	12.6	114	152	5	546
1.25	22	45	10	77	4.1	54	83	10	70	8.3	84	117	5	197	12.7	114	152	5	546
1.3	22	45	10	52	4.2	54	83	10	70	8.4	87	121	5	197	12.75	114	152	5	773
1.35	23	48	10	77	4.25	54	83	10	109	8.5	87	121	5	197	12.8	114	152	5	546
1.4	23	48	10	52	4.3	54	83	10	70	8.6	87	121	5	223	12.9	114	152	5	546
1.45	23	48	10	77	4.4	56	86	10	70	8.7	87	121	5	223	13.0	114	152	5	482
1.5	23	48	10	49	4.5	56	86	10	70	8.75	89	124	5	368	13.1	122	168	2	1,193
1.55	25	50	10	77	4.6	50	86	10	84	8.8	89	124	5	223	13.2	122	168	2	1,193
1.6	25	50	10	52	4.7	59	89	10	84	8.9	89	124	5	223	13.3	122	168	2	1,193
1.65	25	50	10	77	4.75	59	89	10	120	9.0	89	124	5	223	13.4	122	168	2	1,193
1.7	25	50	10	52	4.8	59	89	10	84	9.1	89	124	5	261	13.5	122	168	2	1,079
1.75	28	52	10	77	4.9	62	92	10	84	9.2	92	127	5	261	13.6	122	168	2	1,269
1.8	28	52	10	52	4.95	62	92	10	120	9.25	92	127	5	418	13.7	122	168	2	1,269
1.85	28	52	10	77	5.0	62	92	10	84	9.3	92	127	5	261	13.8	122	168	2	1,269
1.9	28	52	10	52	5.1	62	92	10	95	9.4	92	127	5	261	13.9	122	168	2	1,269
1.95	29	55	10	77	5.2	64	95	10	95	9.5	92	127	5	261	14.0	122	168	2	1,129
2.0	29	55	10	49	5.25	64	95	10	139	9.6	95	130	5	287	14.1	122	168	2	1,382
2.05	29	55	10	77	5.3	64	95	10	95	9.7	95	130	5	287	14.2	122	168	2	1,382
2.1	29	55	10	52	5.4	64	95	10	95	9.75	95	130	5	464	14.25	122	168	2	Call
2.15	29	55	10	77	5.5	64	95	10	95	9.8	95	130	5	287	14.3	122	168	2	1,382
2.2	33	58	10	52	5.6	67	98	10	110	9.9	95	130	5	287	14.4	122	168	2	1,382
2.25	33	58	10	77	5.7	67	98	10	110	10.0	95	130	5	287	14.5	122	168	2	1,231
2.3	33	58	10	52	5.75	67	98	10	165	10.1	98	133	5	330	14.6	122	168	2	1,472
2.35	33	58	10	77	5.8	67	98	10	110	10.2	98	133	5	330	14.7	122	168	2	1,472
2.4	35	61	10	52	5.9	67	98	10	110	10.25	98	133	5	495	14.8	122	168	2	1,472
2.45	35	61	10	77	6.0	70	102	10	110	10.3	98	133	5	330	14.9	122	168	2	1,472
2.5	35	61	10	49	6.1	70	102	10	124	10.4	98	133	5	330	15.0	132	181	2	1,306
2.55	37	64	10	77	6.2	70	102	10	124	10.5	100	137	5	330	15.5	132	181	2	1,382
2.6	37	64	10	52	6.25	70	102	10	192	10.6	100	137	5	368	16.0	132	181	2	1,458
2.65	37	64	10	77	6.3	70	102	10	124	10.7	100	137	5	368	16.5	132	181	2	1,496
2.7	37	64	10	52	6.4	73	105	10	124	10.75	103	140	5	546	17.0	143	194	2	1,649
2.75	39	67	10	77	6.5	73	105	10	124	10.8	103	140	5	368	17.5	143	194	2	1,698

Drill SET (METRIC)

ชุดดอกสว่าน L520 ระบบเมตริก

LIST 520

GEM Code NCSET520



รุ่น	ขนาด	ราคา
M-01	ชุด 1.5-6.5x11 (13 ดอก/ชุด) 1.5, 2.0, 2.5, 3.0, 3.2, 3.5, 4.0, 4.5, 4.8, 5.0, 5.5, 6.0, 6.5	1,015
M-02	ชุด 1-6x51 (51 ดอก/ชุด) 1.0-6.0mm ทุก ๆ 0.1mm	4,870
M-03	ชุด 2-8x7 (6 ดอก/ชุด) 2.0, 3.0, 4.0, 5.0, 6.0, 8.0	715
M-04	ชุด 1-10x10 (10 ดอก/ชุด) 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0	1,525
M-05	ชุด 1-10x19 (19 ดอก/ชุด) 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0	3,140
M-06	ชุด 1-13x25 (25 ดอก/ชุด) 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0	4,940

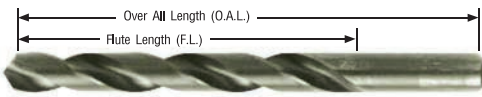


NACHI
CUTTING TOOLS



ชุดดอกสว่าน L520 ระบบเมตริก

Straight Shank Drill (INCH) ดอกสว่านไฮสปิด เจาะเหล็ก ก้านตรง ระบบนิ้ว



- General purpose, applicable for a wide range of materials such as mild steels, cast irons and so on. L501 is especially for Aluminium work.

LIST 501



GEM Code NCL501 (สาคสำหรับงานเหล็ก)

ขนาด Dia. (นิ้ว)	Flute Length (นิ้ว)	Over All Length (นิ้ว)	USJ	ราคา ดอกละ (บาท)	ขนาด Dia. (นิ้ว)	Flute Length (นิ้ว)	Over All Length (นิ้ว)	USJ	ราคา ดอกละ (บาท)	ขนาด Dia. (นิ้ว)	Flute Length (นิ้ว)	Over All Length (นิ้ว)	USJ	ราคา ดอกละ (บาท)	ขนาด Dia. (นิ้ว)	Flute Length (นิ้ว)	Over All Length (นิ้ว)	USJ	ราคา ดอกละ (บาท)
1/64"	3/16	3/4	10	Call	9/64"	1-3/4	2-7/8	10	51	17/64"	2-7/8	4-1/8	10	126	25/64"	3-3/4	5-1/8	5	256
1/32"	1/2	1-3/8	10	Call	5/32"	2	3-1/8	10	58	9/32"	2-15/16	4-1/4	10	139	13/32"	3-7/8	5-1/4	5	269
3/64"	3/4	1-3/4	10	61	11/64"	2-1/8	3-1/4	10	65	19/64"	3-1/16	4-3/8	10	159	27/64"	3-15/16	5-3/8	5	313
1/16"	7/8	1-7/8	10	46	3/16"	2-5/16	3-1/2	10	70	5/16"	3-3/16	4-1/2	10	156	7/16"	4-1/16	5-1/2	5	346
5/64"	1	2	10	46	13/64"	2-7/16	3-5/8	10	84	21/64"	3-5/16	4-5/8	5	185	29/64"	4-3/16	5-5/8	5	359
3/32"	1-1/4	2-1/4	10	46	7/32"	2-1/2	3-3/4	10	93	11/32"	3-1/16	4-3/4	5	205	15/32"	4-5/16	5-3/4	5	359
7/64"	1-1/2	2-5/8	10	46	15/64"	2-5/8	3-7/8	10	96	23/64"	3-1/12	4-7/8	5	231	31/64"	4-3/8	5-7/8	5	409
1/8"	1-5/8	2-3/4	10	44	1/4"	2-3/4	4	10	108	3/8"	3-5/8	5	5	218	1/2"	4-1/2	6	5	422

Drill Set : Inch Type

ชุดดอกสว่าน L501 ระบบนิ้ว

LIST 501



GEM Code NCSET501

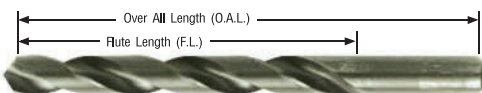
รุ่น	ขนาด	ราคา
I-01	ชุด 1/16-1/4x7 (7 ดอก/ชุด) 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4	725
I-02	ชุด 1/16-1/4x13 (13 ดอก/ชุด) 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4	1,190
I-03	ชุด 1/16-3/8x11 (11 ดอก/ชุด) 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 11/32, 3/8	1,715
I-04	ชุด 1/16-3/8x21 (21 ดอก/ชุด) 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8	3,150
I-05	ชุด 1/16-1/2x29 (29 ดอก/ชุด) 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8, 25/64, 13/32, 27/64, 7/16, 29/64, 15/32, 31/64, 1/2	7,270



ชุดดอกสว่าน L501 ระบบนิ้ว

Straight Shank Drill (INCH)

ดอกสว่านไฮสปิด เจาะเหล็ก ก้านตรง ระบบนิ้ว



- General purpose, applicable for a wide range of materials such as mild steels, cast irons and so on. L501A is especially for Aluminium work.

LIST 501A



GEM Code NCL501A (สาคสำหรับงานอลูมิเนียม)

ขนาด Dia. (นิ้ว)	Flute Length (นิ้ว)	Over All Length (นิ้ว)	USJ	ราคา ดอกละ (บาท)	ขนาด Dia. (นิ้ว)	Flute Length (นิ้ว)	Over All Length (นิ้ว)	USJ	ราคา ดอกละ (บาท)	ขนาด Dia. (นิ้ว)	Flute Length (นิ้ว)	Over All Length (นิ้ว)	USJ	ราคา ดอกละ (บาท)	ขนาด Dia. (นิ้ว)	Flute Length (นิ้ว)	Over All Length (นิ้ว)	USJ	ราคา ดอกละ (บาท)
1/64"	3/16	3/4	10	Call	9/64"	1-3/4	2-7/8	10	51	17/64"	2-7/8	4-1/8	10	126	25/64"	3-3/4	5-1/8	5	255
1/32"	1/2	1-3/8	10	65	5/32"	2	3-1/8	10	56	9/32"	2-15/16	4-1/4	10	138	13/32"	3-7/8	5-1/4	5	269
3/64"	3/4	1-3/4	10	61	11/64"	2-1/8	3-1/4	10	65	19/64"	3-1/16	4-3/8	10	159	27/64"	3-15/16	5-3/8	5	312
1/16"	7/8	1-7/8	10	46	3/16"	2-5/16	3-1/2	10	65	5/16"	3-3/16	4-1/2	10	156	7/16"	4-1/16	5-1/2	5	346
5/64"	1	2	10	46	13/64"	2-7/16	3-5/8	10	84	21/64"	3-5/16	4-5/8	5	185	29/64"	4-3/16	5-5/8	5	357
3/32"	1-1/4	2-1/4	10	41	7/32"	2-1/2	3-3/4	10	93	11/32"	3-1/16	4-3/4	5	204	15/32"	4-5/16	5-3/4	5	357
7/64"	1-1/2	2-5/8	10	46	15/64"	2-5/8	3-7/8	10	96	23/64"	3-1/12	4-7/8	5	230	31/64"	4-3/8	5-7/8	5	408
1/8"	1-5/8	2-3/4	10	40	1/4"	2-3/4	4	10	101	3/8"	3-5/8	5	5	218	1/2"	4-1/2	6	5	422



Straight Shank Cobalt Drill ดอกสว่านไฮสปีด โคบอลต์ เจาะเหล็ก ก้านตรง

LIST 6520

GEM Code NCL6520



ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	USSJ	ราคา ดอกละ (บาท)
0.5	5	27	10	218
0.6	5.5	30	10	218
0.7	7.5	32	10	180
0.8	8	34	10	167
0.9	9	36	10	167
1.0	10	40	10	129
1.1	11	42	10	129
1.2	13	42	10	129
1.3	13	45	10	129
1.4	14	48	10	129
1.5	14	48	10	129
1.6	16	50	10	129
1.7	16	50	10	129
1.8	18	52	10	129
1.9	18	52	10	129
2.0	20	55	10	129
2.1	20	55	10	129
2.2	23	58	10	129
2.3	23	58	10	129
2.4	24	61	10	129
2.5	24	61	10	129
2.6	26	64	10	129
2.7	26	64	10	129
2.8	27	67	10	129
2.9	30	71	10	129
3.0	30	71	10	129
3.1	30	71	10	167
3.2	30	71	10	167
3.3	32	73	10	167
3.4	32	73	10	167
3.5	32	73	10	167
3.6	34	76	10	193

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	USSJ	ราคา ดอกละ (บาท)
3.7	34	76	10	193
3.8	34	76	10	193
3.9	36	79	10	193
4.0	38	83	10	193
4.1	38	83	10	218
4.2	38	83	10	218
4.3	38	83	10	218
4.4	39	86	10	218
4.5	39	86	10	218
4.6	39	86	10	244
4.7	41	89	10	244
4.8	41	89	10	244
4.9	43	92	10	244
5.0	43	92	10	244
5.1	43	92	10	294
5.2	45	95	10	294
5.3	45	95	10	294
5.4	45	95	10	294
5.5	45	95	10	294
5.6	47	98	10	333
5.7	47	98	10	333
5.8	47	98	10	333
5.9	47	98	10	333
6.0	49	102	10	333
6.1	49	102	10	371
6.2	49	102	10	371
6.3	49	102	10	371
6.4	51	105	10	371
6.5	51	105	10	371
6.6	51	105	10	435
6.7	51	105	10	435
6.8	51	105	10	435

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	USSJ	ราคา ดอกละ (บาท)
6.9	51	105	10	435
7.0	51	105	10	435
7.1	53	108	10	474
7.2	53	108	10	474
7.3	53	108	10	474
7.4	55	111	10	474
7.5	55	111	10	474
7.6	55	111	10	538
7.7	57	114	10	538
7.8	57	114	10	538
7.9	57	114	10	538
8.0	57	114	10	538
8.1	59	117	5	601
8.2	59	117	5	601
8.3	59	117	5	601
8.4	61	121	5	601
8.5	61	121	5	601
8.6	61	121	5	665
8.7	61	121	5	665
8.8	63	124	5	665
8.9	63	124	5	665
9.0	63	124	5	665
9.1	63	124	5	768
9.2	65	127	5	768
9.3	65	127	5	768
9.4	65	127	5	768
9.5	65	127	5	768
9.6	67	130	5	857
9.7	67	130	5	857
9.8	67	130	5	857
9.9	67	130	5	857
10.0	67	130	5	857

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	USSJ	ราคา ดอกละ (บาท)
10.1	69	133	5	959
10.2	69	133	5	959
10.3	69	133	5	959
10.4	69	133	5	959
10.5	70	137	5	959
10.6	70	137	5	1,075
10.7	70	137	5	1,075
10.8	72	140	5	1,075
10.9	72	140	5	1,075
11.0	72	140	5	1,075
11.1	72	140	5	1,151
11.2	75	143	5	1,151
11.3	75	143	5	1,151
11.4	75	143	5	1,151
11.5	75	143	5	1,151
11.6	77	146	5	1,253
11.7	77	146	5	1,253
11.8	77	146	5	1,253
11.9	77	146	5	1,253
12.0	78	149	5	1,253
12.1	78	149	5	1,356
12.2	78	149	5	1,356
12.3	78	149	5	1,356
12.4	80	152	5	1,356
12.5	80	152	5	1,356
12.6	80	152	5	1,419
12.7	80	152	5	1,419
12.8	80	152	5	1,419
12.9	80	152	5	1,419
13.0	80	152	5	1,419

- Applicable for drilling hole in hard, tough materials such as tool steels, heat resistant steels, stainless steels.
- High productive and accurate drilling with short flute.
- Web-Thinning Over Dia. 1.6 mm Type X

Coating Drill G Series / G Standard Drill

ดอกสว่านพิเศษ เคลือบไททาเนียม (สีทอง)

LIST 520P

GEM Code NCL520P



ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	ราคา ดอกละ (บาท)
0.5	6	22	320
0.6	7	24	294
0.7	9	28	282
0.8	10	30	256
0.9	11	32	230
1.0	12	34	218
1.1	14	36	218
1.2	16	38	218
1.3	16	38	218
1.4	18	40	218
1.5	18	40	218
1.6	20	43	218
1.7	20	43	218
1.8	22	46	218
1.9	22	46	218
2.0	24	49	205
2.1	24	49	218
2.2	27	53	218
2.3	27	53	218
2.4	30	57	218
2.5	30	57	205
2.6	30	57	218
2.7	33	61	218
2.8	33	61	218
2.9	33	61	218
3.0	33	61	205
3.1	36	65	282
3.2	36	65	282
3.3	36	65	282
3.4	39	70	282
3.5	39	70	282
3.6	39	70	359

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	ราคา ดอกละ (บาท)
3.7	39	70	359
3.8	43	75	346
3.9	43	75	359
4.0	43	75	346
4.1	43	75	384
4.2	43	75	371
4.3	47	80	384
4.4	47	80	384
4.5	47	80	371
4.6	47	80	422
4.7	47	80	422
4.8	52	86	422
4.9	52	86	422
5.0	52	86	409
5.1	52	86	486
5.2	52	86	473
5.3	52	86	486
5.4	57	93	486
5.5	57	93	473
5.6	57	93	537
5.7	57	93	537
5.8	57	93	537
5.9	57	93	537
6.0	57	93	511
6.1	63	101	703
6.2	63	101	703
6.3	63	101	703
6.4	63	101	703
6.5	63	101	741
6.6	63	101	741
6.7	63	101	741
6.8	69	109	741

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	ราคา ดอกละ (บาท)
6.9	69	109	741
7.0	69	109	728
7.1	69	109	817
7.2	69	109	792
7.3	69	109	817
7.4	69	109	817
7.5	69	109	792
7.6	75	117	856
7.7	75	117	843
7.8	75	117	843
7.9	75	117	856
8.0	75	117	805
8.1	75	117	894
8.2	75	117	881
8.3	75	117	894
8.4	75	117	919
8.5	75	117	881
8.6	81	125	958
8.7	81	125	958
8.8	81	125	971
8.9	81	125	971
9.0	81	125	894
9.1	81	125	1,060
9.2	81	125	1,060
9.3	81	125	1,021
9.4	81	125	1,060
9.5	81	125	1,008
9.6	87	133	1,085
9.7	87	133	1,085
9.8	87	133	1,085
9.9	87	133	1,149
10.0	87	133	1,021

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	ราคา ดอกละ (บาท)
10.1	87	133	1,238
10.2	87	133	1,201
10.3	87	133	1,204
10.4	87	133	1,238
10.5	87	133	1,149
10.6	87	133	1,800
10.7	94	142	1,800
10.8	94	142	1,800
10.9	94	142	1,800
11.0	94	142	1,595
11.1	94	142	1,863
11.2	94	142	1,825
11.3	94	142	1,863
11.4	94	142	1,825
11.5	94	142	1,736
11.6	94	142	1,889
11.7	94	142	1,952
11.8	94	142	1,889
11.9	101	151	1,952
12.0	101	151	1,749
12.1	101	151	1,991
12.2	101	151	1,991
12.3	101	151	1,991
12.4	101	151	2,042
12.5	101	151	2,016
12.6	101	151	2,336
12.7	101	151	2,272
12.8	101	151	2,081
12.9	101	151	2,081
13.0	101	151	2,093

- TiN coated for general purpose, suitable for high productive and long durable drilling. Moreover, especially suitable for factory automation, by having high reliability.
- Web-Thinning : Type X for size 3.0mm and above.

Silver And Demming Drill With 1/2" Shank ดอกสว่าน HSS ก้าน 1/2"



(ดอกสีน้ำเงิน)

- Bright Finish, Designed for portable drills with 1/2" shank diameter.

LIST 575

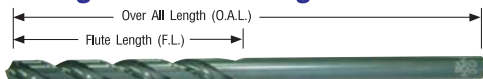
GEM Code NCL575



ขนาด Dia. (mm)	Flute Length (mm)	Overall Length (mm)	Shank Dia. (mm)	ราคา (บาท)
13.5	80	154	12.7	1,543
14.0	80	154	12.7	1,612
14.5	80	154	12.7	1,667
15.0	80	154	12.7	1,791
15.5	80	154	12.7	1,832
16.0	80	154	12.7	1,846
16.5	80	154	12.7	1,873
17.0	80	154	12.7	1,915
17.5	80	154	12.7	1,956
18.0	80	154	12.7	2,231
18.5	80	154	12.7	2,300
19.0	80	154	12.7	2,300
19.5	80	154	12.7	2,644
20.0	80	154	12.7	2,644
20.5	80	154	12.7	2,699
21.0	80	154	12.7	2,699
21.5	80	154	12.7	2,796
22.0	80	154	12.7	2,851
22.5	80	154	12.7	2,975
23.0	80	154	12.7	3,044
23.5	80	154	12.7	3,140
24.0	80	154	12.7	3,209
24.5	80	154	12.7	3,305
25.0	80	154	12.7	3,374
25.5	80	154	12.7	3,594
26.0	80	154	12.7	4,021

ขนาด Dia. (mm)	Flute Length (mm)	Overall Length (mm)	Shank Dia. (mm)	ราคา (บาท)
17/32"	80	154	12.7	1,543
9/16"	80	154	12.7	1,598
19/32"	80	154	12.7	1,791
5/8"	80	154	12.7	1,777
21/32"	80	154	12.7	1,873
11/16"	80	154	12.7	1,956
23/32"	80	154	12.7	2,231
3/4"	80	154	12.7	2,300
25/32"	80	154	12.7	2,644
13/16"	80	154	12.7	2,589
27/32"	80	154	12.7	Call
7/8"	80	154	12.7	2,851
15/16"	80	154	12.7	3,140
1"	80	154	12.7	3,374
1-1/16"	80	154	12.7	4,848
1-1/8"	80	154	12.7	5,522
1-3/16"	80	154	12.7	5,522

Straight Shank Long Drill ดอกสว่านพิเศษ HSS ก้านตรง ยาวพิเศษ



- Designed for drilling deep holes or wherever the location of the hole is such to require the additional overall and flute length of this type.

LIST 550

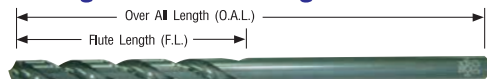
GEM Code NCL550



Unit : mm

ขนาด Dia. (mm)	ความยาวรวม O.A.L.													
	75 mm		100 mm		150 mm		200 mm		250 mm		300 mm		400 mm	
	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา
1.0	35	332	40	460	-	-	-	-	-	-	-	-	-	-
1.1	35	320	40	422	-	-	-	-	-	-	-	-	-	-
1.2	35	307	40	422	-	-	-	-	-	-	-	-	-	-
1.3	35	282	40	384	-	-	-	-	-	-	-	-	-	-
1.4	35	243	40	346	-	-	-	-	-	-	-	-	-	-
1.5	35	294	40	320	60	Call	-	-	-	-	-	-	-	-
1.6	35	294	40	320	-	-	-	-	-	-	-	-	-	-
1.7	35	294	40	320	-	-	-	-	-	-	-	-	-	-
1.8	35	294	40	320	-	-	-	-	-	-	-	-	-	-
1.9	35	294	40	320	-	-	-	-	-	-	-	-	-	-
2.0	-	-	40	282	60	486	-	-	-	-	-	-	-	-
2.1	-	-	40	243	60	346	-	-	-	-	-	-	-	-
2.2	-	-	40	243	60	346	-	-	-	-	-	-	-	-
2.3	-	-	40	243	60	346	-	-	-	-	-	-	-	-
2.4	-	-	40	243	60	346	-	-	-	-	-	-	-	-
2.5	-	-	50	243	60	346	100	498	-	-	-	-	-	-
2.6	-	-	50	193	75	320	100	422	-	-	-	-	-	-
2.7	-	-	50	193	75	320	100	422	-	-	-	-	-	-
2.8	-	-	50	193	75	320	100	422	-	-	-	-	-	-
2.9	-	-	50	193	75	320	100	422	-	-	-	-	-	-
3.0	-	-	50	193	75	320	100	422	-	-	-	-	-	-
3.1	-	-	-	-	75	320	100	422	-	-	-	-	-	-
3.2	-	-	-	-	75	320	100	422	-	-	-	-	-	-
3.3	-	-	-	-	75	320	100	422	-	-	-	-	-	-
3.4	-	-	-	-	75	320	100	422	-	-	-	-	-	-
3.5	-	-	-	-	75	320	100	422	-	-	-	-	-	-
3.6	-	-	-	-	75	332	100	498	120	614	120	753	-	-
3.7	-	-	-	-	75	332	100	498	120	614	120	753	-	-
3.8	-	-	-	-	75	332	100	498	120	614	120	753	-	-
3.9	-	-	-	-	75	332	100	498	120	614	120	753	-	-
4.0	-	-	-	-	75	332	100	498	120	614	120	753	-	-
4.1	-	-	-	-	75	346	100	486	120	703	120	843	-	-
4.2	-	-	-	-	75	346	100	486	120	703	120	843	-	-
4.3	-	-	-	-	75	346	100	486	120	703	120	843	-	-
4.4	-	-	-	-	75	346	100	486	120	703	120	843	-	-
4.5	-	-	-	-	75	346	100	486	120	703	120	843	-	-
4.6	-	-	-	-	75	409	100	537	120	703	130	932	150	2,004
4.7	-	-	-	-	75	409	100	537	120	792	130	932	150	2,004
4.8	-	-	-	-	75	409	100	537	120	792	130	932	150	2,004
4.9	-	-	-	-	75	409	100	537	120	792	130	932	150	2,004

Straight Shank Long Drill ดอกสว่านพิเศษ HSS ก้านตรง ยาวพิเศษ



- Designed for drilling deep holes or wherever the location of the hole is such to require the additional overall and flute length of this type.

LIST 550

GEM Code NCL550



Unit : mm

ขนาด Dia. (mm)	ความยาวรวม O.A.L. (Over All Length)											
	150 mm		200 mm		250 mm		300 mm		400 mm		500 mm	
	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา
5.0	75	409	100	537	120	792	130	932	150	2,004	-	-
5.1	100	498	100	664	120	843	130	1,047	150	2,246	-	-
5.2	100	498	100	664	120	843	130	1,047	150	2,246	-	-
5.3	100	498	100	664	120	843	130	1,047	150	2,246	-	-
5.4	100	498	100	664	120	843	130	1,047	150	2,246	-	-
5.5	100	498	100	664	120	843	130	1,047	150	2,463	-	-
5.6	100	511	100	741	120	932	150	1,137	180	2,463	180	3,139
5.7	100	511	100	741	120	932	150	1,137	180	2,463	180	3,139
5.8	100	511	100	741	120	932	150	1,137	180	2,463	180	3,139
5.9	100	511	100	741	120	932	150	1,137	180	2,463	180	3,150
6.0	100	511	100	741	120	932	150	1,137	180	2,552	180	3,408
6.1	100	575	100	805	120	1,008	150	1,226	-	-	-	-
6.2	100	575	100	805	120	1,008	150	1,226	-	-	-	-
6.3	100	575	100	805	120	1,008	150	1,226	-	-	-	-
6.4	100	575	100	805	120	1,008	150	1,226	-	-	-	-
6.5	-	-	100	805	120	1,008	150	1,226	200	2,769	200	3,663
6.6	-	-	100	856	120	1,111	150	1,340	-	-	-	-
6.7	-	-	100	856	120	1,111	150	1,340	-	-	-	-
6.8	-	-	100	856	120	1,111	150	1,340	-	-	-	-
6.9	-	-	100	856	120	1,111	150	1,340	-	-	-	-
7.0	-	-	100	856	120	1,111	150	1,340	200	2,782	200	3,828
7.1	-	-	100	945	120	1,226	150	1,456	-	-	-	-
7.2	-	-	100	945	120	1,226	150	1,456	-	-	-	-
7.3	-	-	100	945	120	1,226	150	1,456	-	-	-	-
7.4	-	-	100	945	120	1,226	150	1,456	-	-	-	-
7.5	-	-	100	945	120	1,226	150	1,456	200	2,948	200	4,007
7.6	-	-	100	1,047	120	1,315	150	1,622	-	-	-	-
7.7	-	-	100	1,047	120	1,315	150	1,622	-	-	-	-
7.8	-	-	100	1,047	120	1,315	150	1,622	-	-	-	-
7.9	-	-	100	1,047	120	1,315	150	1,622	-	-	-	-
8.0	-	-	100	1,047	120	1,315	150	1,622	200	2,948	200	4,249
8.1	-	-	100	1,124	120	1,456	150	1,749	-	-	-	-
8.2	-	-	100	1,124	120	1,456	150	1,749	-	-	-	-
8.3	-	-	100	1,124	120	1,456	150	1,749	-	-	-	-
8.4	-	-	100	1,124	120	1,456	150	1,749	-	-	-	-
8.5	-	-	100	1,124	120	1,456	150	1,749	200	3,190	200	4,530
8.6	-	-	100	1,226	120	1,622	150	1,927	-	-	-	-
8.7	-	-	100	1,226	120	1,622	150	1,927	-	-	-	-
8.8	-	-	100	1,226	120	1,622	150	1,927	-	-	-	-
8.9	-	-	100	1,226	120	1,622	150	1,927	-	-	-	-
9.0	-	-	100	1,226	120	1,622	150	1,927	200	3,203	200	4,964
9.1	-	-	100	1,328	120	1,647	150	1,966	-	-	-	-
9.2	-	-	100	1,328	120	1,647	150	1,966	-	-	-	-
9.3	-	-	100	1,328	120	1,647	150	1,966	-	-	-	-
9.4	-	-	100	1,328	120	1,647	150	1,966	-	-	-	-
9.5	-	-	100	1,328	120	1,647	150	1,966	200	3,535	200	5,066
9.6	-	-	100	1,456	120	1,749	150	2,118	-	-	-	-
9.7	-	-	100	1,456	120	1,749	150	2,118	-	-	-	-
9.8	-	-	100	1,456	120	1,749	150	2,118	-	-	-	-
9.9	-	-	100	1,456	120	1,749	150	2,118	-	-	-	-
10.0	-	-	100	1,456	120	1,749	150	2,118	200	3,649	250	5,257
10.1	-	-	100	1,519	120	1,927	150	2,348	-	-	-	-
10.2	-	-	100	1,519	120	1,927	150	2,348	-	-	-	-
10.3	-	-	100	1,519	120	1,927	150	2,348	-	-	-	-
10.4	-	-	100	1,519	120	1,927	150	2,348	-	-	-	-
10.5	-	-	125	Call	120	1,927	150	2,348	200	3,943	250	5,449
10.6	-	-	-	-	120	2,106	150	2,539	-	-	-	-
10.7	-	-	-	-	120	2,106	150	2,539	-	-	-	-
10.8	-	-	-	-	120	2,106	150	2,539	-	-	-	-
10.9	-	-	-	-	120	2,106	150	2,539	-	-	-	-
11.0	-	-	-	-	120	2,106	150	2,539	200	4,032	250	6,150
11.1	-	-	-	-	120	2,476	150	2,871	-	-	-	-
11.2	-	-	-	-	120	2,476	150	2,871	-	-	-	-
11.3	-	-	-	-	120	2,476	150	2,871	-	-	-	-
11.4	-	-	-	-	120	2,476	150	2,871	-	-	-	-
11.5	-	-	-	-	120	2,476	150	2,871	200	4,236	250	6,648
11.6	-	-	-	-	120	2,476	150	2,871	-	-	-	-
11.7	-	-	-	-	120	2,476	150	2,871	-	-	-	-
11.8	-	-	-	-	120	2,476	150	2,871	-	-	-	-
11.9	-	-	-	-	120	2,476	150	2,871	-	-	-	-
12.0	-	-	-	-	120	2,476	150	2,871	200	4,683	250	6,673
12.1	-	-	-	-	120	2,757	150	3,369	-	-	-	-
12.2	-	-	-	-	120	2,757	150	3,369	-	-	-	-
12.3	-	-	-	-	120	2,757	150	3,369	-	-	-	-
12.4	-	-	-	-	120	2,757	150	3,369	-	-	-	-
12.5	-	-	-	-	120	2,757	150	3,369	200	4,912	250	7,974
12.6	-	-	-	-	120	2,757	150	3,369	-	-	-	-
12.7	-	-	-	-	120	2,757	150	3,369	-	-	-	-
12.8	-	-	-	-	120	2,757	150	3,369	-	-	-	-
12.9	-	-	-	-	120	2,757	150	3,369	-	-	-	-
13.0	-	-	-	-	120	2,757	150	3,369	200	5,130	250	7,974

Taper Shank Drill (mm Size) ดอกสว่านไฮสปีด เจาะเหล็ก ก้านเทเปอร์ (ระบบเมตริก)



LIST 602

GEM Code NCL602



- General purpose, applicable for a wide range of materials such as mild steels, alloy steels, cast irons and so on.
- Web-Thinning : Type S

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
7.0	75	155	1	979
7.1	78	158	1	1,095
7.2	78	158	1	1,095
7.3	78	158	1	1,095
7.4	78	158	1	1,095
7.5	78	158	1	1,037
7.6	82	162	1	1,267
7.7	82	162	1	1,267
7.8	82	162	1	1,267
7.9	82	162	1	1,267
8.0	82	162	1	1,080
8.1	85	168	1	1,209
8.2	85	168	1	1,209
8.3	85	168	1	1,209
8.4	85	168	1	1,209
8.5	85	168	1	1,138
8.6	88	172	1	1,281
8.7	88	172	1	1,281
8.8	88	172	1	1,281
8.9	88	172	1	1,281
9.0	88	172	1	1,209
9.1	92	175	1	1,310
9.2	92	175	1	1,310
9.3	92	175	1	1,310
9.4	92	175	1	1,310
9.5	92	175	1	1,267
9.6	95	178	1	1,411
9.7	95	178	1	1,411
9.8	95	178	1	1,411
9.9	95	178	1	1,411
10.0	95	178	1	1,325
10.1	98	182	1	1,497
10.2	98	182	1	1,497
10.3	98	182	1	1,497
10.4	98	182	1	1,497
10.5	98	182	1	1,411
10.6	102	185	1	1,569
10.7	102	185	1	1,569
10.8	102	185	1	1,569
10.9	102	185	1	1,569
11.0	102	185	1	1,483
11.1	105	188	1	1,641
11.2	105	188	1	1,641
11.3	105	188	1	1,641
11.4	105	188	1	1,641
11.5	105	188	1	1,569
11.6	108	192	1	1,741
11.7	108	192	1	1,741
11.8	108	192	1	1,741
11.9	108	192	1	1,741
12.0	108	192	1	1,670
12.1	112	195	1	1,827
12.2	112	195	1	1,827
12.3	112	195	1	1,827
12.4	112	195	1	1,827
12.5	112	195	1	1,741
12.6	115	198	1	1,958

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
12.7	115	198	1	1,958
12.8	115	198	1	1,958
12.9	115	198	1	1,958
13.0	115	198	1	1,814
13.1	118	202	1	2,014
13.2	118	202	1	2,014
13.3	118	202	1	2,014
13.4	118	202	1	2,014
13.5	118	202	1	1,900
13.6	122	205	1	2,231
13.7	122	205	1	2,231
13.8	122	205	1	2,231
13.9	122	205	1	2,231
14.0	122	205	1	1,971
14.1	122	222	2	2,418
14.2	122	222	2	2,418
14.3	122	222	2	2,418
14.4	122	222	2	2,418
14.5	122	222	2	2,259
14.6	125	225	2	2,432
14.7	125	225	2	2,432
14.8	125	225	2	2,432
14.9	125	225	2	2,432
15.0	125	225	2	2,317
15.1	128	228	2	2,547
15.2	128	228	2	2,547
15.3	128	228	2	2,547
15.4	128	228	2	2,547
15.5	128	228	2	2,432
15.6	130	230	2	2,720
15.7	130	230	2	2,720
15.8	130	230	2	2,720
15.9	130	230	2	2,720
16.0	130	230	2	2,590
16.1	132	232	2	2,877
16.2	132	232	2	2,877
16.3	132	232	2	2,877
16.4	132	232	2	2,877
16.5	132	232	2	2,734
16.6	135	235	2	3,036
16.7	135	235	2	3,036
16.8	135	235	2	3,036
16.9	135	235	2	3,036
17.0	135	235	2	2,892
17.1	140	240	2	3,180
17.2	140	240	2	3,180
17.3	140	240	2	3,180
17.4	140	240	2	3,180
17.5	140	240	2	3,045
17.6	140	240	2	3,338
17.7	140	240	2	3,338
17.8	140	240	2	3,338
17.9	140	240	2	3,338
18.0	140	240	2	3,195
18.1	145	245	2	3,497
18.2	145	245	2	3,497
18.3	145	245	2	3,497

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
18.4	145	245	2	3,497
18.5	145	245	2	3,338
18.6	145	245	2	3,669
18.7	145	245	2	3,669
18.8	145	245	2	3,669
18.9	145	245	2	3,669
19.0	145	245	2	3,511
19.1	150	250	2	3,828
19.2	150	250	2	3,828
19.3	150	250	2	3,828
19.4	150	250	2	3,828
19.5	150	250	2	3,641
19.6	150	250	2	4,000
19.7	150	250	2	4,000
19.8	150	250	2	4,000
19.9	150	250	2	4,000
20.0	150	250	2	3,813
20.1	155	255	2	4,144
20.2	155	255	2	4,144
20.3	155	255	2	4,144
20.4	155	255	2	4,144
20.5	155	255	2	3,957
20.6	155	255	2	4,288
20.7	155	255	2	4,288
20.8	155	255	2	4,288
20.9	155	255	2	4,288
21.0	155	255	2	4,101
21.1	160	260	2	4,446
21.2	160	260	2	4,446
21.3	160	260	2	4,446
21.4	160	260	2	4,446
21.5	160	260	2	4,245
21.6	160	260	2	4,604
21.7	160	260	2	4,604
21.8	160	260	2	4,604
21.9	160	260	2	4,604
22.0	160	260	2	4,417
22.1	165	265	2	4,777
22.2	165	265	2	4,777
22.3	165	265	2	4,777
22.4	165	265	2	4,777
22.5	165	265	2	4,575
22.6	165	265	2	4,979
22.7	165	265	2	4,979
22.8	165	265	2	4,979
22.9	165	265	2	4,979
23.0	165	265	2	4,748
23.1	165	285	3	5,338
23.2	165	285	3	5,338
23.3	165	285	3	5,338
23.4	165	285	3	5,338
23.5	165	285	3	5,093
23.6	165	285	3	5,554
23.7	165	285	3	5,554
23.8	165	285	3	5,554
23.9	165	285	3	5,554
24.0	165	285	3	5,295

Taper Shank Drill (mm Size) ดอกสว่านไฮสปีด เจาะเหล็ก ก้านเทเปอร์ (ระบบเมตริก)



LIST 602

GEM Code NCL602



- General purpose, applicable for a wide range of materials such as mild steels, alloy steels, cast irons and so on.
- Web-Thinning : Type S

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
24.1	165	285	3	5,754
24.2	165	285	3	5,754
24.3	165	285	3	5,754
24.4	165	285	3	5,754
24.5	165	285	3	5,511
24.6	165	285	3	5,956
24.7	165	285	3	5,956
24.8	165	285	3	5,956
24.9	165	285	3	5,956
25.0	165	285	3	5,698
25.1	165	285	3	6,158
25.2	165	285	3	6,158
25.3	165	285	3	6,158
25.4	165	285	3	6,158
25.5	165	285	3	5,885
25.6	165	285	3	6,647
25.7	165	285	3	6,647
25.8	165	285	3	6,647
25.9	165	285	3	6,647
26.0	165	285	3	6,072
26.1	170	290	3	6,761
26.2	170	290	3	6,761
26.3	170	290	3	6,761
26.4	170	290	3	6,761
26.5	170	290	3	6,273
26.6	170	290	3	6,806
26.7	170	290	3	6,806
26.8	170	290	3	6,806
26.9	170	290	3	6,806
27.0	170	290	3	6,474
27.1	175	295	3	7,021
27.2	175	295	3	7,021
27.3	175	295	3	7,021
27.4	175	295	3	7,021
27.5	175	295	3	6,705
27.6	175	295	3	7,251
27.7	175	295	3	7,251
27.8	175	295	3	7,251
27.9	175	295	3	7,251
28.0	175	295	3	6,935
28.1	180	300	3	7,596
28.2	180	300	3	7,596
28.3	180	300	3	7,596
28.4	180	300	3	7,596
28.5	180	300	3	7,265
28.6	180	300	3	7,985
28.7	180	300	3	7,985
28.8	180	300	3	7,985
28.9	180	300	3	7,985
29.0	180	300	3	7,639
29.1	185	305	3	8,388
29.2	185	305	3	8,388
29.3	185	305	3	8,388
29.4	185	305	3	8,388
29.5	185	305	3	8,028
29.6	185	305	3	8,775
29.7	185	305	3	8,775

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
29.8	185	305	3	8,775
29.9	185	305	3	8,775
30.0	185	305	3	8,402
30.1	190	310	3	9,236
30.2	190	310	3	9,236
30.3	190	310	3	9,236
30.4	190	310	3	8,869
30.5	190	310	3	8,833
30.6	190	310	3	9,270
30.7	190	310	3	9,270
30.8	190	310	3	9,270
30.9	190	310	3	9,270
31.0	190	310	3	9,236
31.1	195	315	3	9,597
31.2	195	315	3	9,597
31.3	195	315	3	9,597
31.4	195	315	3	9,597
31.5	195	315	3	9,984
31.6	195	315	3	10,516
31.7	195	315	3	10,516
31.8	195	315	3	10,516
31.9	195	315	3	10,516
32.0	195	315	3	10,056
32.1	200	345	4	11,538
32.2	200	345	4	11,538
32.3	200	345	4	11,538
32.4	200	345	4	11,538
32.5	200	345	4	11,538
32.6	200	345	4	11,538
32.7	200	345	4	11,538
32.8	200	345	4	11,538
32.9	200	345	4	11,538
33.0	200	345	4	11,034
33.1	205	350	4	12,199
33.2	205	350	4	12,199
33.3	205	350	4	12,199
33.4	205	350	4	12,199
33.5	205	350	4	12,199
33.6	205	350	4	12,228
33.7	205	350	4	12,228
33.8	205	350	4	12,228
33.9	205	350	4	12,228
34.0	205	350	4	11,652
34.1	205	350	4	12,991
34.2	205	350	4	12,991
34.3	205	350	4	12,991
34.4	205	350	4	12,991
34.5	205	350	4	12,991
34.6	205	350	4	12,991
34.7	205	350	4	12,991
34.8	205	350	4	12,991
34.9	205	350	4	12,991
35.0	205	350	4	12,429
35.1	210	355	4	13,739
35.2	210	355	4	13,739
35.3	210	355	4	13,739
35.4	210	355	4	13,739

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
35.5	210	355	4	13,739
35.6	210	355	4	13,739
35.7	210	355	4	13,739
35.8	210	355	4	13,739
35.9	210	355	4	13,739
36.0	210	355	4	13,149
36.1	210	355	4	15,206
36.2	210	355	4	15,206
36.3	210	355	4	15,206
36.4	210	355	4	15,206
36.5	210	355	4	15,206
36.6	210	355	4	15,206
36.7	210	355	4	15,206
36.8	210	355	4	15,206
36.9	210	355	4	15,206
37.0	210	355	4	14,458
37.1	215	360	4	15,968
37.2	215	360	4	15,968
37.3	215	360	4	15,968
37.4	215	360	4	15,968
37.5	215	360	4	15,968
37.6	215	360	4	15,968
37.7	215	360	4	15,968
37.8	215	360	4	15,968
37.9	215	360	4	15,968
38.0	215	360	4	15,192
38.1	215	360	4	16,702
38.2	215	360	4	16,702
38.3	215	360	4	16,702
38.4	215	360	4	16,702
38.5	215	360	4	16,702
38.6	215	360	4	16,702
38.7	215	360	4	16,702
38.8	215	360	4	16,702
38.9	215	360	4	16,702
39.0	215	360	4	15,853
39.1	220	365	4	17,766
39.2	220	365	4	17,766
39.3	220	365	4	17,766
39.4	220	365	4	17,766
39.5	220	365	4	17,766
39.6	220	365	4	17,766
39.7	220	365	4	17,766
39.8	220	365	4	17,766
39.9	220	365	4	17,766
40.0	220	365	4	16,903
40.1	220	365	4	18,845
40.2	220	365	4	18,845
40.3	220	365	4	18,845
40.4	220	365	4	18,845
40.5	220	365	4	18,845
40.6	220	365	4	18,845
40.7	220	365	4	18,845
40.8	220	365	4	18,845
40.9	220	365	4	18,845
41.0	220	365	4	17,925
41.1	225	370	4	20,083

Taper Shank Drill (mm Size) ดอกสว่านไฮสปีด เจาะเหล็ก ก้านเทเปอร์ (ระบบเมตริก)



LIST 602

GEM Code NCL602



- General purpose, applicable for a wide range of materials such as mild steels, alloy steels, cast irons and so on.
- Web-Thinning : Type S

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
41.2	225	370	4	20,083
41.3	225	370	4	20,083
41.4	225	370	4	20,083
41.5	225	370	4	20,083
41.6	225	370	4	20,083
41.7	225	370	4	20,083
41.8	225	370	4	20,083
41.9	225	370	4	20,083
42.0	225	370	4	19,119
42.1	225	370	4	21,363
42.2	225	370	4	21,363
42.3	225	370	4	21,363
42.4	225	370	4	21,363
42.5	225	370	4	21,363
42.6	225	370	4	21,363
42.7	225	370	4	21,363
42.8	225	370	4	21,363
42.9	225	370	4	21,363
43.0	225	370	4	20,298
43.1	230	375	4	22,600
43.2	230	375	4	22,600
43.3	230	375	4	22,600
43.4	230	375	4	22,600
43.5	230	375	4	22,600
43.6	230	375	4	22,600
43.7	230	375	4	22,600
43.8	230	375	4	22,600
43.9	230	375	4	22,600
44.0	230	375	4	21,492
44.1	230	375	4	23,880
44.2	230	375	4	23,880
44.3	230	375	4	23,880
44.4	230	375	4	23,880
44.5	230	375	4	23,880
44.6	230	375	4	23,880
44.7	230	375	4	23,880
44.8	230	375	4	23,880
44.9	230	375	4	23,880
45.0	230	375	4	22,686
45.1	235	380	4	22,907
45.2	235	380	4	22,907
45.3	235	380	4	25,017
45.4	235	380	4	25,017
45.5	235	380	4	25,017
45.6	235	380	4	25,017
45.7	235	380	4	25,017
45.8	235	380	4	25,017
45.9	235	380	4	25,017
46.0	235	380	4	23,793
46.1	235	380	4	23,886
46.2	235	380	4	23,886
46.3	235	380	4	23,886
46.4	235	380	4	23,886
46.5	235	380	4	26,369
46.6	235	380	4	26,369
46.7	235	380	4	26,369
46.8	235	380	4	26,369

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
46.9	235	380	4	26,369
47.0	235	380	4	25,088
47.1	240	385	4	27,720
47.2	240	385	4	27,720
47.3	240	385	4	27,720
47.4	240	385	4	27,720
47.5	240	385	4	27,720
47.6	240	385	4	27,720
47.7	240	385	4	27,720
47.8	240	385	4	27,720
47.9	240	385	4	27,720
48.0	240	385	4	26,354
48.1	240	385	4	29,058
48.2	240	385	4	29,058
48.3	240	385	4	29,058
48.4	240	385	4	29,058
48.5	240	385	4	29,058
48.6	240	385	4	29,058
48.7	240	385	4	29,058
48.8	240	385	4	29,058
48.9	240	385	4	29,058
49.0	240	385	4	27,620
49.1	245	390	4	30,397
49.2	245	390	4	30,397
49.3	245	390	4	30,397
49.4	245	390	4	30,397
49.5	245	390	4	30,397
49.6	245	390	4	30,397
49.7	245	390	4	30,397
49.8	245	390	4	30,397
49.9	245	390	4	30,397
50.0	245	390	4	28,914
50.5	245	425	5	32,637
51.0	245	425	5	32,511
51.5	250	430	5	37,100
52.0	250	430	5	34,712
52.5	250	430	5	36,762
53.0	250	430	5	36,626
53.5	255	435	5	39,148
54.0	255	435	5	39,013
54.5	255	435	5	41,235
55.0	255	435	5	41,142
55.5	260	440	5	43,170
56.0	260	440	5	43,012
56.5	260	440	5	45,620
57.0	260	440	5	45,141
57.5	265	445	5	47,470
58.0	265	445	5	47,241
58.5	265	445	5	49,783
59.0	265	445	5	49,529
59.5	270	450	5	51,513
60.0	270	450	5	51,284
60.5	270	450	5	52,409
61.0	270	450	5	53,744
61.5	275	455	5	56,328
62.0	275	455	5	56,390
62.5	275	455	5	59,528

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
63.0	275	455	5	58,678
63.5	280	460	5	62,026
64.0	280	460	5	61,151
64.5	280	460	5	72,271
65.0	280	460	5	63,525
65.5	285	465	5	66,499
66.0	285	465	5	66,287
66.5	285	465	5	69,726
67.0	285	465	5	69,820
67.5	290	470	5	77,156
68.0	290	470	5	76,414
68.5	290	470	5	81,305
69.0	290	470	5	79,363
69.5	295	475	5	84,311
70.0	295	475	5	77,636
70.5	295	475	5	86,325
71.0	295	475	5	85,419
71.5	300	480	5	90,325
72.0	300	480	5	89,015
72.5	300	480	5	91,189
73.0	300	480	5	91,189
73.5	305	485	5	94,576
74.0	305	485	5	94,576
74.5	305	485	5	94,336
75.0	305	485	5	90,325
75.5	310	490	5	115,328
76.0	310	490	5	115,328
77.0	315	560	6	202,743
78.0	315	560	6	208,971
79.0	315	560	6	215,000
80.0	315	560	6	221,012
81.0	325	570	6	227,845
82.0	325	570	6	233,657
83.0	325	570	6	240,475
84.0	325	570	6	246,503
85.0	325	570	6	252,530
86.0	335	580	6	259,737
87.0	335	580	6	264,368
88.0	335	580	6	269,375
89.0	335	580	6	277,013
90.0	335	580	6	283,831
91.0	345	590	6	293,671
92.0	345	590	6	303,092
93.0	345	590	6	310,329
94.0	345	590	6	318,758
95.0	345	590	6	325,994
96.0	355	600	6	333,603
97.0	355	600	6	343,846
98.0	355	600	6	355,282
99.0	355	600	6	365,927
100.0	355	600	6	376,168

Taper Shank Drill (Inch Size) ดอกสว่านไฮสปีด เจาะเหล็ก ก้านเทปเปอร์ (ระบบนิ้ว)



LIST 602

GEM Code NCL602



ขนาด Dia. (นิ้ว)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
3/32	33	110	1	Call
7/64	39	115	1	Call
1/8	42	122	1	Call
9/64	48	128	1	Call
5/32	54	135	1	Call
11/64	56	135	1	Call
3/16	59	140	1	Call
13/64	64	145	1	Call
7/32	67	148	1	Call
15/64	70	148	1	Call
1/4	73	152	1	Call
17/64	73	155	1	Call
9/32	78	158	1	1,127
19/64	78	158	1	1,127
5/16	82	162	1	1,200
21/64	85	168	1	1,257
11/32	88	172	1	1,315
23/64	92	175	1	1,386
3/8	92	175	1	1,386
25/64	95	178	1	1,444
13/32	98	182	1	1,560
27/64	102	185	1	1,632
7/16	105	188	1	1,719
29/64	105	188	1	1,719
15/32	108	192	1	1,820
31/64	112	195	1	1,906
1/2	115	198	1	1,906
33/64	118	202	1	1,979
17/32	118	202	1	2,094
35/64	122	205	2	2,167
9/16	122	222	2	2,470
37/64	125	225	2	2,541
19/32	128	228	2	2,541
39/64	128	228	2	2,672
5/8	130	230	2	2,845
41/64	132	232	2	2,990
21/32	135	235	2	3,148
43/64	140	240	2	3,148
11/16	140	240	2	3,307
45/64	140	240	2	3,480
23/32	145	245	2	3,639
47/64	145	245	2	3,827
3/4	150	250	2	3,827
49/64	150	250	2	3,985
25/32	150	250	2	4,158
51/64	155	255	2	4,303
13/16	155	255	2	4,462
53/64	155	255	2	4,462
27/32	160	260	2	4,620
55/64	160	260	2	4,794
7/8	165	265	2	4,967
57/64	165	265	2	5,170
29/32	165	265	2	5,170
59/64	165	285	3	5,544
15/16	165	285	3	5,762
61/64	165	285	3	5,978
31/32	165	285	3	6,194
63/64	165	285	3	6,194
1"	165	285	3	6,411
1-1/64	165	285	3	6,613
1-1/32	170	290	3	6,830
1-3/64	170	290	3	6,859
1-1/16	170	290	3	7,046
1-5/64	175	295	3	7,480
1-3/32	175	295	3	7,552
1-7/64	180	300	3	7,884
1-1/8	180	300	3	7,884
1-9/64	180	300	3	8,316
1-5/32	185	305	3	8,735
1-11/64	185	305	3	9,140
1-3/16	190	310	3	9,602
1-13/64	190	310	3	9,602

- General purpose, applicable for a wide range of materials such as mild steels, alloy steels, cast irons and so on.
- Web-Thinning : Type S

ขนาด Dia. (นิ้ว)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
1-7/32	190	310	3	10,035
1-15/64	195	315	3	10,410
1-1/4	195	315	3	10,930
1-17/64	200	345	4	11,999
1-9/32	200	345	4	11,999
1-19/64	200	345	4	11,999
1-5/16	205	350	4	12,692
1-21/64	205	350	4	12,677
1-11/32	205	350	4	13,500
1-23/64	205	350	4	13,500
1-3/8	205	350	4	13,500
1-25/64	210	355	4	14,294
1-13/32	210	355	4	14,294
1-27/64	210	355	4	15,015
1-7/16	210	355	5	15,015
1-29/64	210	355	5	15,015
1-15/32	215	360	5	15,824
1-31/64	215	360	5	15,824
1-1/2	215	360	5	16,517
1-33/64	215	360	5	16,517
1-17/32	215	360	5	16,517
1-35/64	220	365	5	17,586
1-9/16	220	365	5	17,586
1-37/64	220	365	5	18,351
1-19/32	220	365	5	18,654
1-39/64	220	365	5	19,361
1-5/8	225	370	5	19,881
1-41/64	225	370	5	19,881
1-21/32	225	370	5	19,881
1-43/64	225	370	5	21,166
1-11/16	225	370	5	21,123
1-45/64	230	375	5	22,379
1-23/32	230	375	5	22,379
1-47/64	230	375	5	23,188
1-3/64	230	375	5	23,607
1-49/64	230	375	5	24,184
1-25/32	235	380	5	24,762
1-51/64	235	380	5	25,209
1-13/16	235	380	5	25,641
1-27/32	235	380	5	27,027
1-55/64	240	385	5	28,400
1-7/8	240	385	5	23,216
1-57/64	240	385	5	28,227
1-29/32	240	385	5	29,771
1-59/64	240	385	5	29,771
1-15/16	245	390	5	31,157
1-61/64	245	390	5	31,243
1-31/32	245	390	5	32,731
1-63/64	245	425	5	32,731
2"	245	425	5	32,629
2-1/32	250	430	5	34,261
2-1/16	250	430	5	Call
2-3/32	250	430	5	38,607
2-1/8	255	435	5	41,090
2-5/32	255	435	5	Call
2-3/16	260	440	5	Call
2-7/32	260	440	5	45,349
2-1/4	260	440	5	47,558
2-5/16	265	445	5	Call
2-3/8	270	450	5	Call
2-7/16	275	455	5	Call
2-1/2	280	460	5	Call
2-9/16	280	460	5	69,257
2-5/8	285	465	5	Call
2-11/16	290	490	5	77,935
2-3/4	295	475	5	Call
2-13/16	300	480	5	Call
2-7/8	300	480	5	Call
2-15/16	305	485	5	Call
3"	310	490	5	119,615

Taper Shank Drill (mm Size) ดอกสว่านไฮสปีด เจาะเหล็ก ก้านเทเปอร์ (ระบบเมตริก)



- Designed for drilling deep holes or deeply located holes.

- Web-Thinning : Type S

LIST 650

GEM Code NCL650



Unit : mm

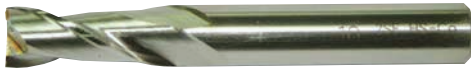
ขนาด Dia. (mm)	ความยาวรวม Over All Length														MT
	250 mm		300 mm		325 mm		350 mm		375 mm		425 mm		475 mm		
	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	Flute Length	ราคา	
7.0	150	3,927	200	4,953	-	-	225	6,815	-	-	-	-	-	-	1
7.5	150	3,754	200	4,780	-	-	225	6,656	-	-	-	-	-	-	
8.0	150	3,754	200	4,607	-	-	225	6,483	-	-	-	-	-	-	
8.5	150	3,754	200	4,607	-	-	225	6,483	-	-	-	-	-	-	
9.0	150	3,581	200	4,607	-	-	225	6,137	-	-	-	-	-	-	
9.5	150	3,581	200	4,607	-	-	225	6,137	-	-	-	-	-	-	
10.0	150	4,434	200	4,607	-	-	225	6,137	-	-	-	-	-	-	
10.5	150	4,434	200	4,607	-	-	225	6,137	-	-	-	-	-	-	
11.0	150	4,607	200	4,607	-	-	225	6,137	-	-	-	-	-	-	
11.5	150	4,434	200	4,780	-	-	225	6,310	-	-	-	-	-	-	
12.0	150	4,607	200	4,780	-	-	225	6,310	-	-	-	-	-	-	
12.5	150	4,607	200	4,780	-	-	225	6,483	-	-	-	-	-	-	
13.0	150	4,607	200	4,780	-	-	225	6,483	-	-	-	-	-	-	
13.5	150	4,780	200	4,953	-	-	225	6,656	-	-	-	-	-	-	
14.0	150	4,780	200	4,953	-	-	225	6,656	-	-	-	-	-	-	
14.5	-	-	-	-	200	5,963	-	-	250	7,508	275	9,039	325	9,890	2
15.0	-	-	-	-	200	6,988	-	-	250	7,668	275	9,039	325	9,890	
15.5	-	-	-	-	200	6,483	-	-	250	8,014	275	9,371	325	10,395	
16.0	-	-	-	-	200	7,335	-	-	250	8,014	275	9,371	325	10,395	
16.5	-	-	-	-	200	6,483	-	-	250	8,187	275	9,717	325	10,569	
17.0	-	-	-	-	200	7,508	-	-	250	8,187	275	9,717	325	10,569	
17.5	-	-	-	-	200	6,988	-	-	250	9,039	275	10,395	325	11,421	
18.0	-	-	-	-	200	8,361	-	-	250	9,371	275	10,915	325	12,100	
18.5	-	-	-	-	200	7,841	-	-	250	9,717	275	11,421	325	12,778	
19.0	-	-	-	-	200	7,841	-	-	250	9,717	275	11,421	325	12,778	
19.5	-	-	-	-	200	8,014	-	-	250	10,064	275	11,926	325	13,298	
20.0	-	-	-	-	200	8,187	-	-	250	10,395	275	11,926	325	13,298	
20.5	-	-	-	-	200	8,519	-	-	250	10,569	275	12,446	325	13,803	
21.0	-	-	-	-	200	8,519	-	-	250	10,742	275	12,778	325	13,976	
21.5	-	-	-	-	200	8,866	-	-	250	11,075	275	13,124	325	14,655	
22.0	-	-	-	-	200	9,039	-	-	250	11,248	275	13,298	325	14,829	
22.5	-	-	-	-	200	9,544	-	-	250	11,768	275	13,803	325	15,334	
23.0	-	-	-	-	200	9,717	-	-	250	11,926	275	13,976	325	15,680	

ขนาด Dia. (mm)	ความยาวรวม Over All Length																		MT
	350 mm		400 mm		425 mm		450 mm		475 mm		500 mm		525 mm		600 mm		625 mm		
	F.L.	ราคา	F.L.	ราคา	F.L.	ราคา	F.L.	ราคา	F.L.	ราคา	F.L.	ราคา	F.L.	ราคา	F.L.	ราคา	F.L.	ราคา	
23.5	200	11,926	250	13,629	-	-	300	16,027	-	-	350	19,434	-	-	400	24,024	-	-	3
24.0	200	13,298	250	14,829	-	-	300	16,185	-	-	350	19,592	-	-	400	24,198	-	-	
24.5	200	12,619	250	15,334	-	-	300	16,705	-	-	350	20,285	-	-	400	25,050	-	-	
25.0	200	12,778	250	15,680	-	-	300	16,878	-	-	350	21,297	-	-	400	25,397	-	-	
25.5	200	13,124	250	15,175	-	-	300	17,556	-	-	350	21,197	-	-	400	26,075	-	-	
26.0	200	14,322	250	16,185	-	-	300	17,210	-	-	350	21,470	-	-	400	26,407	-	-	
26.5	200	13,629	250	15,507	-	-	300	18,409	-	-	350	22,148	-	-	400	27,100	-	-	
27.0	200	13,803	250	16,878	-	-	300	18,409	-	-	350	22,321	-	-	400	27,432	-	-	
27.5	200	14,322	250	16,532	-	-	300	19,087	-	-	350	23,000	-	-	400	28,458	-	-	
28.0	200	15,507	250	20,964	-	-	300	21,137	-	-	350	23,519	-	-	400	28,458	-	-	
28.5	200	15,507	250	17,383	-	-	300	20,285	-	-	350	24,371	-	-	400	29,814	-	-	
29.0	200	15,175	250	17,556	-	-	300	20,444	-	-	350	24,704	-	-	400	29,987	-	-	
29.5	200	15,680	250	18,063	-	-	300	21,137	-	-	350	25,397	-	-	400	31,012	-	-	
30.0	200	15,853	250	18,236	-	-	300	21,297	-	-	350	25,729	-	-	400	31,359	-	-	
31.0	200	16,705	250	19,087	-	-	300	22,148	-	-	350	32,211	-	-	400	32,370	-	-	
31.5	200	17,037	250	19,592	-	-	300	23,000	-	-	350	27,100	-	-	400	33,221	-	-	
32.0	200	17,383	250	19,766	-	-	300	23,173	-	-	350	33,221	-	-	400	33,568	-	-	
33.0	-	-	-	-	250	26,248	-	-	300	27,605	-	-	350	32,890	-	-	450	40,382	4
34.0	-	-	-	-	250	26,248	-	-	300	30,666	-	-	350	34,246	-	-	450	42,433	
35.0	-	-	-	-	250	26,927	-	-	300	31,865	-	-	350	35,445	-	-	450	43,963	
36.0	-	-	-	-	250	28,284	-	-	300	33,221	-	-	350	37,148	-	-	450	45,667	
37.0	-	-	-	-	250	28,963	-	-	300	35,099	-	-	350	38,506	-	-	450	48,048	
38.0	-	-	-	-	250	29,987	-	-	300	36,470	-	-	350	40,036	-	-	450	49,926	
39.0	-	-	-	-	250	30,839	-	-	300	37,480	-	-	350	41,407	-	-	450	51,629	
40.0	-	-	-	-	250	31,865	-	-	300	39,358	-	-	350	43,111	-	-	450	53,506	
41.0	-	-	-	-	250	32,890	-	-	300	40,729	-	-	350	44,641	-	-	450	56,567	
42.0	-	-	-	-	250	34,593	-	-	300	42,433	-	-	350	46,345	-	-	450	58,776	
43.0	-	-	-	-	250	35,099	-	-	300	43,963	-	-	350	48,048	-	-	450	61,331	
44.0	-	-	-	-	250	36,124	-	-	300	45,321	-	-	350	49,579	-	-	450	63,728	
45.0	-	-	-	-	250	37,480	-	-	300	47,024	-	-	350	51,629	-	-	450	66,249	
46.0	-	-	-	-	-	-	-	-	300	48,555	-	-	350	53,160	-	-	450	68,998	
47.0	-	-	-	-	-	-	-	-	300	50,258	-	-	350	54,863	-	-	450	71,221	
48.0	-	-	-	-	-	-	-	-	300	51,962	-	-	350	56,740	-	-	450	73,950	
49.0	-	-	-	-	-	-	-	-	300	53,506	-	-	350	58,443	-	-	450	76,159	
50.0	-	-	-	-	-	-	-	-	300	55,209	-	-	350	60,479	-	-	450	78,540	

HSS-Co END MILL SERIES

SUPER HARD 2-Flutes

ดอกเอ็นมิลล์ HSS-Co 2 เขี้ยว



LIST 6230

- These are Standard two-Flutes end mills which have standard length of cut and good for slotting or side milling of wide range of works.

GEM Code NCL6230

ขนาด Mill Dia. (mm)	Length of Cut (mm)	Over All Length (mm)	Shank Dia. (mm)	ราคา (บาท)
1.0	2	50	6	878
1.5	3	50	6	799
2.0	7	50	6	693
2.5	7	50	6	705
3.0	9	50	6	639
3.5	12	60	8	639
4.0	12	60	8	639
4.5	12	60	8	639
5.0	15	60	8	639
5.5	15	60	8	639
6.0	15	60	8	639
6.5	20	65	10	705
7.0	20	65	10	705
7.5	20	65	10	705
8.0	20	60	10	705
8.5	25	75	10	799
9.0	25	75	10	799
9.5	25	75	10	786
10.0	25	75	10	786
11.0	30	80	12	1,025
12.0	30	80	12	1,025
13.0	35	90	16	1,238
14.0	35	90	16	1,238
15.0	40	95	16	1,410
16.0	40	95	16	1,451
17.0	40	105	20	1,836
18.0	40	105	20	1,862
19.0	45	110	20	2,235
20.0	45	110	20	2,235
21.0	45	110	20	2,633
22.0	45	110	20	2,580
23.0	50	120	25	2,992
24.0	50	120	25	2,992
25.0	50	120	25	2,992
26.0	50	120	25	3,218
27.0	55	125	25	3,777
28.0	55	125	25	3,816
29.0	55	125	25	4,614
30.0	55	125	25	4,787
31.0	60	145	32	5,863
32.0	60	145	32	5,930
33.0	60	145	32	6,927
34.0	60	145	32	6,927
35.0	60	145	32	6,941
36.0	60	145	32	7,898
37.0	65	150	32	8,443
38.0	65	150	32	8,496
39.0	65	150	32	10,051
40.0	65	150	32	9,932
42.0	65	155	32	11,247
45.0	70	155	32	13,880
48.0	70	155	32	14,387
50.0	70	155	32	16,751

SUPER HARD 4-Flutes

ดอกเอ็นมิลล์ HSS-Co 4 เขี้ยว



LIST 6210

- These are Standard four-Flutes end mills which have standard length of cut and good for side milling of wide range of works.

GEM Code NCL6210

ขนาด Mill Dia. (mm)	Length of Cut (mm)	Over All Length (mm)	Shank Dia. (mm)	ราคา (บาท)
2.5	7	50	6	732
3.0	9	50	6	665
3.5	12	60	8	665
4.0	12	60	8	665
4.5	15	60	8	665
5.0	15	60	8	665
5.5	15	60	8	665
6.0	15	60	8	665
6.5	20	65	10	719
7.0	20	65	10	732
7.5	20	65	10	746
8.0	20	65	10	746
8.5	25	75	10	878
9.0	25	75	10	878
9.5	25	75	10	878
10.0	25	75	10	878
11.0	30	80	12	1,064
12.0	30	80	12	1,064
13.0	35	90	16	1,317
14.0	35	90	16	1,317
15.0	40	95	16	1,437
16.0	40	95	16	1,556
17.0	40	105	20	1,903
18.0	40	105	20	1,903
19.0	45	110	20	2,274
20.0	45	110	20	2,300
21.0	45	110	20	2,752
22.0	45	110	20	2,752
23.0	50	120	25	3,112
24.0	50	120	25	3,112
25.0	50	120	25	3,112
26.0	50	120	25	3,471
27.0	55	125	25	3,950
28.0	55	125	25	4,069
29.0	55	125	25	4,667
30.0	55	125	25	4,973
31.0	60	145	32	6,049
32.0	60	145	32	6,104
33.0	60	145	32	7,060
34.0	60	145	32	7,060
35.0	60	145	32	7,366
36.0	60	145	32	8,496
37.0	65	150	32	9,214
38.0	65	150	32	9,280
39.0	65	150	32	10,769
40.0	65	150	32	10,836
42.0 (32)	65	150	32	13,162
42.0 (42)	65	155	42	13,401
45.0 (32)	65	155	32	16,153
45.0 (42)	70	160	42	16,751
48.0 (32)	70	155	32	17,947
48.0 (42)	70	160	42	17,947
50.0 (32)	70	155	32	19,743
50.0 (42)	70	160	42	20,101

HSS-Co END MILL SERIES SUPER HARD Long 2-Flutes

ดอกเอ็นมิลล์ HSS-Co 2 เขี้ยว ยาวพิเศษ



LIST 6232

- These are Standard two-Flutes end mills which have long flute and good for slotting or side milling of wide range of works.

GEM Code NCL6232

ขนาด Mill Dia. (mm)	Length of Cut (mm)	Over All Length (mm)	Shank Dia. (mm)	ราคา (บาท)
3.0	15	60	6	851
4.0	20	60	8	851
5.0	25	65	8	851
6.0	25	65	8	851
7.0	35	80	10	1,025
8.0	35	80	10	1,025
9.0	45	95	10	1,118
10.0	45	95	10	1,118
11.0	55	105	12	1,397
12.0	55	105	12	1,397
13.0	55	110	16	1,769
14.0	55	110	16	1,769
15.0	65	120	16	1,955
16.0	65	120	16	2,195
17.0	65	130	20	2,740
18.0	65	130	20	2,740
19.0	75	140	20	3,125
20.0	75	140	20	3,125
21.0	75	140	20	3,989
22.0	75	140	20	3,989
23.0	90	160	25	5,026
24.0	90	160	25	5,026
25.0	90	160	25	5,026
26.0	90	160	25	5,318
27.0	90	160	25	6,315
28.0	90	160	25	6,315
29.0	90	160	25	7,579
30.0	90	160	25	7,778
31.0	105	190	32	9,440
32.0	105	190	32	9,306
33.0	105	190	32	11,500
34.0	105	190	32	11,314
35.0	105	190	32	11,567
36.0	105	190	32	12,630
37.0	125	210	32	14,226
38.0	125	210	32	13,959
39.0	125	210	32	16,751
40.0	125	210	32	16,486

SUPER HARD Long 4-Flutes

ดอกเอ็นมิลล์ HSS-Co 4 เขี้ยว ยาวพิเศษ



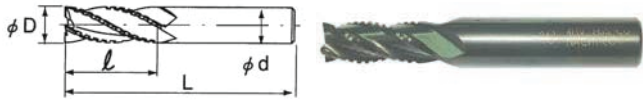
LIST 6212

- These are Standard four-Flutes end mills which have long flute and good for side milling of wide range of works.

GEM Code NCL6212

ขนาด Mill Dia. (mm)	Length of Cut (mm)	Over All Length (mm)	Shank Dia. (mm)	ราคา (บาท)
3.0	15	60	6	858
4.0	20	60	8	858
5.0	25	65	8	858
6.0	25	65	8	858
7.0	35	80	10	1,045
8.0	35	80	10	1,045
9.0	45	95	10	1,171
10.0	45	95	10	1,171
11.0	55	105	12	1,444
12.0	55	105	12	1,444
13.0	55	110	16	1,829
14.0	55	110	16	1,829
15.0	65	120	16	2,049
16.0	65	120	16	2,321
17.0	65	130	20	2,826
18.0	65	130	20	2,826
19.0	75	140	20	3,211
20.0	75	140	20	3,211
21.0	75	140	20	4,055
22.0	75	140	20	4,122
23.0	90	160	25	5,052
24.0	90	160	25	5,052
25.0	90	160	25	5,052
26.0	90	160	25	5,418
27.0	90	160	25	6,515
28.0	90	160	25	6,647
29.0	90	160	25	7,845
30.0	90	160	25	7,977
31.0	105	190	32	9,772
32.0	105	190	32	9,573
33.0	105	190	32	11,965
34.0	105	190	32	11,965
35.0	105	190	32	12,098
36.0	105	190	32	12,696
37.0	125	210	32	14,425
38.0	125	210	32	13,959
39.0	125	210	32	16,950
40.0	125	210	32	16,885

HSS-Co END MILL SERIES/ HEAVY (PATENT) ดอกเอ็นมิลส์กัดหนัก HEAVY HSS-Co



LIST 6366



- These end mills have multi-thread nicks chip-breakers (Pat.) which fracture chips to minimize cutting resistance, so that they are good for roughing and also finishing.

GEM Code NCL6366

ขนาด Dia. ØD (mm)	Length of Cut l (mm)	Overall Length L (mm)	Shank Dia. Ød (mm)	No of Flutes	ราคา (บาท)
3.0	9	50	6	4	1,238
4.0	12	60	8	4	1,238
5.0	15	60	8	4	1,238
6.0	15	60	8	4	1,238
7.0	20	65	10	4	1,303
8.0	20	65	10	4	1,303
9.0	25	75	12	4	1,423
10.0	25	75	12	4	1,490
11.0	30	80	12	4	1,609
12.0	30	80	12	4	1,743
13.0	35	90	16	4	1,862
14.0	35	90	16	4	2,115
15.0	40	95	16	4	2,235
16.0	40	95	16	4	2,420
17.0	40	105	20	4	2,474
18.0	40	105	20	4	2,726
19.0	45	110	20	4	2,846
20.0	45	110	20	4	2,846
21.0	45	110	20	4	3,352
22.0	45	110	20	4	3,352
23.0	50	120	25	4	4,029
24.0	50	120	25	4	4,029
25.0	50	120	25	4	4,029
26.0	50	120	25	4	4,335
* 27.0	55	125	25	4	4,774
28.0	55	125	25	4	4,707
* 28.0	55	125	25	6	4,774
29.0	55	125	25	4	5,824
* 29.0	55	125	25	6	5,824
30.0	55	125	25	4	5,824
30.0	55	125	25	6	5,824
31.0	60	145	32	6	6,807
32.0	60	145	32	6	6,807
33.0	60	145	32	6	6,807
34.0	60	145	32	6	8,044
35.0	60	145	32	6	8,044
36.0	60	145	32	6	9,652
37.0	65	150	32	6	10,516
38.0	65	150	32	6	10,516
39.0	65	150	32	6	10,769
40.0	65	150	32	6	10,769
42.0	65	155	32	6	13,481
45.0	70	160	32	6	15,209
48.0	70	160	32	6	17,071
50.0	70	160	42	6	18,547

Tolerance of Mill Dia. : ±0.1 mm

Tolerance of Shank Dia. : h7

หมายเหตุ : รุ่นที่มี * เป็นรุ่นสั่งพิเศษ ไม่ใช้ รุ่นมาตรฐาน

ดอกเอ็นมิลส์กัดหนัก HEAVY HSS-Co ยาวพิเศษ



LIST 6368



- These end mills have multi-thread nicks chip-breakers (Pat.) which fracture chips to minimize cutting resistance, so that they are good for roughing and also finishing.

GEM Code NCL6368

ขนาด Dia. ØD (mm)	Length of Cut l (mm)	Overall Length L (mm)	Shank Dia. Ød (mm)	No of Flutes	ราคา (บาท)
3	15	60	6	4	1,330
4	20	60	8	4	1,330
5	25	65	8	4	1,330
6	25	65	8	4	1,330
7	35	80	10	4	1,357
8	35	80	10	4	1,397
9	45	95	12	4	1,516
10	45	95	12	4	1,623
11	55	105	12	4	1,836
12	55	105	12	4	2,088
13	55	110	16	4	2,314
14	55	110	12	4	2,527
15	65	120	16	4	2,900
16	65	120	16	4	3,099
17	65	130	20	4	3,391
18	65	130	20	4	3,603
19	75	140	20	4	3,763
20	75	140	20	4	4,136
22	75	140	20	4	4,866
25	90	160	25	4	5,717
28	90	160	25	4	6,608
30	90	160	25	4	7,553
32	105	190	32	6	9,320
35	105	190	32	6	11,620
40	125	210	32	6	16,299
45	145	230	32	6	21,670
50	145	230	32	6	26,523

Dia. of Mill (mm)		Tolerance (μ m)
Above	Up to	
	3	+25 ~ 0
3	6	+30 ~ 0
6	10	+36 ~ 0
10	18	+43 ~ 0
18	30	+52 ~ 0
30		+62 ~ 0

Tolerance of Shank Dia : h7

Taper Shank Cobalt Drill (mm) ดอกสว่าน HSS-Co ก้านเตเปอร์



- This is general cobalt HSS drills.

LIST 6602

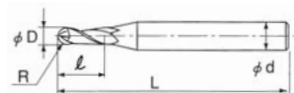


GEM Code NCL6602

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
7.0	75	155	1	1,733
7.5	78	158	1	1,805
8.0	82	162	1	1,863
8.5	85	168	1	Call
9.0	88	172	1	2,079
9.5	92	175	1	2,152
10.0	95	178	1	2,224
10.5	98	182	1	2,340
11.0	102	185	1	2,498
11.5	105	188	1	2,614
12.0	108	192	1	2,772
12.5	112	195	1	2,932
13.0	115	198	1	3,018
13.5	118	202	1	3,177
14.0	122	205	1	3,292
14.5	125	222	2	3,741
15.0	128	225	2	3,870
15.5	130	228	2	4,058
16.0	132	230	2	4,318
16.5	135	232	2	4,477
17.0	140	235	2	4,851
17.5	140	240	2	5,082
18.0	145	240	2	5,300
18.5	145	245	2	5,559
19.0	150	245	2	5,833
19.5	150	250	2	6,021
20.0	155	250	2	6,339

ขนาด Dia. (mm)	Flute Length (mm)	Over All Length (mm)	MT No.	ราคา (บาท)
20.5	155	255	2	6,570
21.0	160	255	2	6,801
21.5	160	260	2	7,118
22.0	165	265	2	7,335
22.5	165	265	3	7,623
23.0	165	285	3	7,869
23.5	165	285	3	8,476
24.0	165	285	3	8,808
24.5	165	285	3	9,154
25.0	165	285	3	9,471
25.5	165	285	3	9,790
26.0	165	285	3	10,107
26.5	170	290	3	10,395
27.0	170	290	3	10,771
27.5	175	295	3	11,161
28.0	175	295	3	11,507
28.5	180	300	3	12,042
29.0	180	300	3	12,720
29.5	185	305	3	13,702
30.0	185	305	3	13,962
30.5	190	310	3	14,655
31.0	190	310	3	15,362
31.5	195	315	3	15,911
32.0	195	315	3	16,705
32.5	200	345	4	18,351
33.0	200	345	4	18,351

HSS-Co Ball End Mill ดอกเอ็นมิลล์ หัวบอล HSS-Co



LIST 6290



- These end mills are designed for trace milling of dies and curved surface milling. The overhang length is adjustable because of their long shanks, so milling at the deep location is possible.

รัศมี Radius R (mm)	ขนาด Dia. of Mill ϕD (mm)	Length of Cut l (mm)	Overall Length L (mm)	Shank Dia. ϕd (mm)	ราคา (บาท)
R0.75	1.5	3	55	6	1,662
R1.0	2	4	55	6	1,662
R1.25	2.5	5	60	6	1,662
R1.5	3	6	60	6	1,516
R2.0	4	8	70	6	1,516
R2.5	5	10	80	6	1,516
R3.0	6	12	90	6	1,516
R3.5	7	14	90	6	1,636
R4.0	8	16	100	8	1,636
R4.5	9	18	100	8	1,942
R5.0	10	20	100	10	1,942
R5.5	11	22	100	10	2,300
R6.0	12	24	110	12	2,300
R6.5	13	26	110	12	3,710
R7.0	14	28	110	12	3,710
R7.5	15	30	110	12	3,763
R8.0	16	32	140	16	3,763
R10.0	20	40	160	20	5,079
R12.5	25	50	180	25	6,408
R15.0					9,019
R16.0	32	60	200	32	12,139
R20.0	40	65	220	32	19,756

Tolerance (μm)

Dia. of Mill R
0 ~ -20 +20 ~ -10