

HSS



Being the best through innovation



GOLD-P DRILLS

- Gold-P涂层, HSS & 含钴8%

GOLD-P COATING, HSS & 8% COBALT

SELECTION GUIDE

GOLD-P钻头(GOLD-P涂层)
与全TiN涂层有着同样的价格竞争力和性能

项目	型号	规格	尺寸		页	
			最小	最大		
ITEM	MODEL	DESCRIPTION	SIZE		PAGE	
			MIN	MAX		
D1GP103		HSS, 直柄GOLD-P涂层钻头 (JIS) HSS, STRAIGHT SHANK DRILLS GOLD-P COATED	常规 REGULAR	D1.0	D13.0	142
D2GP191		HSSCo8, 直柄GOLD-P涂层钻头 (JIS) HSSCo8, STRAIGHT SHANK DRILLS GOLD-P COATED	常规 REGULAR	D1.0	D13.0	144
GOLD-P DRILL SETS	1.0mm ~ 10.0mm × 0.5mm STEP SET1(19PCS)		1.0mm ~ 13.0mm × 0.5mm STEP SET2(25PCS)			146

GOLD-P DRILLS (GOLD-P COATED)

Competitive price and same performance as full TiN coating

◎ : 优(Excellent)
○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		铸铁	铝	不锈钢	钛	低碳钢	铜	青铜
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Cast Iron	Aluminum	Stainless Steels	Titanium	Mild Steels	Copper	Bronze
~HB225	HB225~325	HRc30~45	HRc45~55	HRc55~							
◎	◎				○	○	○	○	◎		
◎	◎				○	○	○	○	◎		

HSS, 直柄GOLD-P涂层钻头 (JIS)

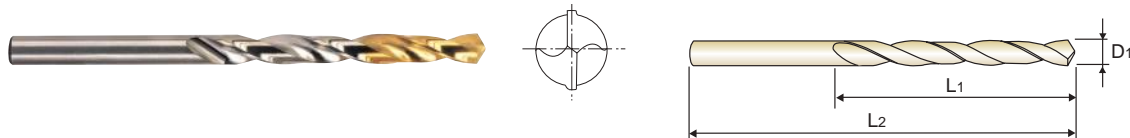
常规

HSS, STRAIGHT SHANK DRILLS GOLD-P COATED (JIS)

REGULAR

- ▶ 刃形：右螺旋形设计
- ▶ 钻顶角：118°，一般钻顶
- ▶ 表面处理：光亮体但在实际作业的前端处使用TiN涂层。
- ▶ 应用：适用于钢，铸铁合金和非合金，灰铸铁，石墨和可锻铸铁的加工

- ▶ **Flute Geometry** : Right hand spiral
- ▶ **Point Angle** : 118°, Normal point
- ▶ **Surface treatment**: Bright body TiN coating on working part
- ▶ **Application** : Drilling in steel, cast steel alloyed and Non-alloyed, gray cast iron, graphite, malleable cast iron



单位(Unit) : mm

型号 EDP No.	刃径 Drill Diameter D1	刃长 Flute Length L1	全长 Overall Length L2	型号 EDP No.	刃径 Drill Diameter D1	刃长 Flute Length L1	全长 Overall Length L2
D1GP103010	1.0	18	40	D1GP103041	4.1	54	83
D1GP103011	1.1	20	42	D1GP103042	4.2	54	83
D1GP103012	1.2	20	42	D1GP103043	4.3	54	83
D1GP103013	1.3	22	45	D1GP103044	4.4	56	86
D1GP103014	1.4	23	48	D1GP103045	4.5	56	86
D1GP103015	1.5	23	48	D1GP103046	4.6	56	86
D1GP103016	1.6	25	50	D1GP103047	4.7	59	89
D1GP103017	1.7	25	50	D1GP103048	4.8	59	89
D1GP103018	1.8	28	52	D1GP103049	4.9	62	92
D1GP103019	1.9	28	52	D1GP103050	5.0	62	92
D1GP103020	2.0	29	55	D1GP103051	5.1	62	92
D1GP103021	2.1	29	55	D1GP103052	5.2	64	95
D1GP103022	2.2	33	58	D1GP103053	5.3	64	95
D1GP103023	2.3	33	58	D1GP103054	5.4	64	95
D1GP103024	2.4	35	61	D1GP103055	5.5	64	95
D1GP103025	2.5	35	61	D1GP103056	5.6	67	98
D1GP103026	2.6	37	64	D1GP103057	5.7	67	98
D1GP103027	2.7	37	64	D1GP103058	5.8	67	98
D1GP103028	2.8	39	67	D1GP103059	5.9	67	98
D1GP103029	2.9	42	71	D1GP103060	6.0	70	102
D1GP103030	3.0	42	71	D1GP103061	6.1	70	102
D1GP103031	3.1	42	71	D1GP103062	6.2	70	102
D1GP103032	3.2	42	71	D1GP103063	6.3	70	102
D1GP103033	3.3	45	73	D1GP103064	6.4	73	105
D1GP103034	3.4	45	73	D1GP103065	6.5	73	105
D1GP103035	3.5	45	73	D1GP103066	6.6	73	105
D1GP103036	3.6	48	76	D1GP103067	6.7	73	105
D1GP103037	3.7	48	76	D1GP103068	6.8	73	105
D1GP103038	3.8	48	76	D1GP103069	6.9	73	105
D1GP103039	3.9	51	79	D1GP103070	7.0	73	105
D1GP103040	4.0	54	83	D1GP103071	7.1	75	108

◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	低碳钢 Mild Steels	铜 Copper	青铜 Bronze
~HB225	HB225~325	HRC30~45	HRC45~55	HRC55~							
◎	◎				○	○	○	○	◎		

YG GOLD-P DRILLS

D1GP103 SERIES

HSS, 直柄GOLD-P涂层钻头(JIS)

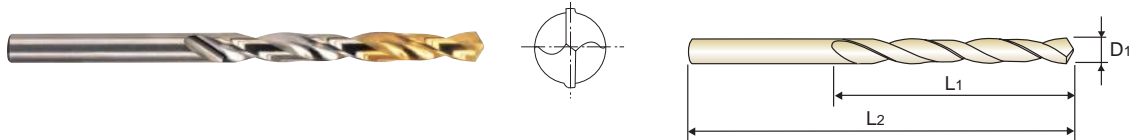
常规

HSS, STRAIGHT SHANK DRILLS GOLD-P COATED (JIS)

REGULAR

- ▶ 刃形：右螺旋形设计
- ▶ 钻顶角：118°，一般钻顶
- ▶ 表面处理：光亮但在实际作业的前端处使用TiN涂层。
- ▶ 应用：适用于钢，铸铁合金和非合金，灰铸铁，石墨和可锻造铸铁的加工

- ▶ **Flute Geometry** : Right hand spiral
- ▶ **Point Angle** : 118°, Normal point
- ▶ **Surface treatment**: Bright body TiN coating on working part
- ▶ **Application** : Drilling in steel, cast steel alloyed and Non-alloyed, gray cast iron, graphite, malleable cast iron



HSS
N 30°
h8
118°
P.147

				单位(Unit) : mm			
型号	刃径	刃长	全长	型号	刃径	刃长	全长
EDP No.	Drill Diameter	Flute Length	Overall Length	EDP No.	Drill Diameter	Flute Length	Overall Length
	D1	L1	L2		D1	L1	L2
D1GP103072	7.2	75	108	D1GP103102	10.2	98	133
D1GP103073	7.3	75	108	D1GP103103	10.3	98	133
D1GP103074	7.4	78	111	D1GP103104	10.4	98	133
D1GP103075	7.5	78	111	D1GP103105	10.5	100	137
D1GP103076	7.6	78	111	D1GP103106	10.6	100	137
D1GP103077	7.7	81	114	D1GP103107	10.7	100	137
D1GP103078	7.8	81	114	D1GP103108	10.8	103	140
D1GP103079	7.9	81	114	D1GP103109	10.9	103	140
D1GP103080	8.0	81	114	D1GP103110	11.0	103	140
D1GP103081	8.1	84	117	D1GP103111	11.1	103	140
D1GP103082	8.2	84	117	D1GP103112	11.2	106	143
D1GP103083	8.3	84	117	D1GP103113	11.3	106	143
D1GP103084	8.4	87	121	D1GP103114	11.4	106	143
D1GP103085	8.5	87	121	D1GP103115	11.5	106	143
D1GP103086	8.6	87	121	D1GP103116	11.6	109	146
D1GP103087	8.7	87	121	D1GP103117	11.7	109	146
D1GP103088	8.8	89	124	D1GP103118	11.8	109	146
D1GP103089	8.9	89	124	D1GP103119	11.9	109	146
D1GP103090	9.0	89	124	D1GP103120	12.0	111	149
D1GP103091	9.1	89	124	D1GP103121	12.1	111	149
D1GP103092	9.2	92	127	D1GP103122	12.2	111	149
D1GP103093	9.3	92	127	D1GP103123	12.3	111	149
D1GP103094	9.4	92	127	D1GP103124	12.4	114	152
D1GP103095	9.5	92	127	D1GP103125	12.5	114	152
D1GP103096	9.6	95	130	D1GP103126	12.6	114	152
D1GP103097	9.7	95	130	D1GP103127	12.7	114	152
D1GP103098	9.8	95	130	D1GP103128	12.8	114	152
D1GP103099	9.9	95	130	D1GP103129	12.9	114	152
D1GP103100	10.0	95	130	D1GP103130	13.0	114	152
D1GP103101	10.1	98	133				

碳钢	合金钢	预硬钢	硬化钢		铸铁	铝	不锈钢	钛	低碳钢	铜	青铜
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Cast Iron	Aluminum	Stainless Steels	Titanium	Mild Steels	Copper	Bronze
~HB225	HB225~325	HRC30~45	HRc45~55	HRc55~							
◎	◎				○	○	○	○	◎		

I-DREAM DRILLS

DREAM DRILLS -GENERAL

DREAM DRILLS -SOFT

DREAM DRILLS -INOX

DREAM DRILLS -MQL TYPE

DREAM DRILLS for HARDENED STEELS

GENERAL CARBIDE DRILLS

NC-SPOTTING DRILLS

MULTI-1 DRILLS

HPD DRILLS

GOLD-P DRILLS

WORM PATTERN DRILLS

STRAIGHT SHANK DRILLS

TAPER SHANK DRILLS

NC-SPOTTING DRILLS

CENTER DRILLS

SPADE DRILLS

TECHNICAL DATA

HSSCo8, 直柄GOLD-P涂层钻头(JIS)

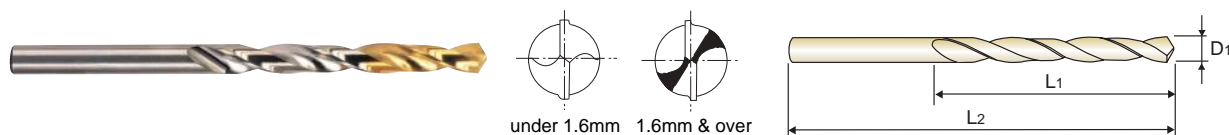
常规

HSSCo8, STRAIGHT SHANK DRILLS GOLD-P COATED (JIS)

REGULAR

- ▶ 刃形：右螺旋形设计
- ▶ 钻顶角：135°，小于1.6mm；一般钻顶，大于1.6mm；静点
- ▶ 表面处理：光亮体但在实际作业的前端处使用TiN涂层
- ▶ 应用：适用于不锈钢和类钛合金和镍铬合金等难加工材料的钻削。

- ▶ **Flute Geometry** : Right hand spiral
- ▶ **Point Angle** : 135°, under 1.6mm:Normal point, from 1.6mm:Split point
- ▶ **Surface treatment** : Bright body TiN coating on working part
- ▶ **Application** : Drilling in stainless steels, materials of difficult machinability such as titanium alloy and inconel.



单位(Unit) : mm

型号	刃径	刃长	全长	型号	刃径	刃长	全长
EDP No.	Drill Diameter	Flute Length	Overall Length	EDP No.	Drill Diameter	Flute Length	Overall Length
	D1	L1	L2		D1	L1	L2
D2GP191010	1.0	18	40	D2GP191041	4.1	54	83
D2GP191011	1.1	20	42	D2GP191042	4.2	54	83
D2GP191012	1.2	20	42	D2GP191043	4.3	54	83
D2GP191013	1.3	22	45	D2GP191044	4.4	56	86
D2GP191014	1.4	23	48	D2GP191045	4.5	56	86
D2GP191015	1.5	23	48	D2GP191046	4.6	56	86
D2GP191016	1.6	25	50	D2GP191047	4.7	59	89
D2GP191017	1.7	25	50	D2GP191048	4.8	59	89
D2GP191018	1.8	28	52	D2GP191049	4.9	62	92
D2GP191019	1.9	28	52	D2GP191050	5.0	62	92
D2GP191020	2.0	29	55	D2GP191051	5.1	62	92
D2GP191021	2.1	29	55	D2GP191052	5.2	64	95
D2GP191022	2.2	33	58	D2GP191053	5.3	64	95
D2GP191023	2.3	33	58	D2GP191054	5.4	64	95
D2GP191024	2.4	35	61	D2GP191055	5.5	64	95
D2GP191025	2.5	35	61	D2GP191056	5.6	67	98
D2GP191026	2.6	37	64	D2GP191057	5.7	67	98
D2GP191027	2.7	37	64	D2GP191058	5.8	67	98
D2GP191028	2.8	39	67	D2GP191059	5.9	67	98
D2GP191029	2.9	42	71	D2GP191060	6.0	70	102
D2GP191030	3.0	42	71	D2GP191061	6.1	70	102
D2GP191031	3.1	42	71	D2GP191062	6.2	70	102
D2GP191032	3.2	42	71	D2GP191063	6.3	70	102
D2GP191033	3.3	45	73	D2GP191064	6.4	73	105
D2GP191034	3.4	45	73	D2GP191065	6.5	73	105
D2GP191035	3.5	45	73	D2GP191066	6.6	73	105
D2GP191036	3.6	48	76	D2GP191067	6.7	73	105
D2GP191037	3.7	48	76	D2GP191068	6.8	73	105
D2GP191038	3.8	48	76	D2GP191069	6.9	73	105
D2GP191039	3.9	51	79	D2GP191070	7.0	73	105
D2GP191040	4.0	54	83	D2GP191071	7.1	75	108

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		铸铁	铝	不锈钢	钛	低碳钢	铜	青铜
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Cast Iron	Aluminum	Stainless Steels	Titanium	Mild Steels	Copper	Bronze
~HB225	HB225~325	HRc30~45	HRc45~55	HRc55~							
◎	◎				○	○	○	○	◎		

YG GOLD-P DRILLS

D2GP191 SERIES

HSSCo8, 直柄GOLD-P涂层钻头 (JIS)

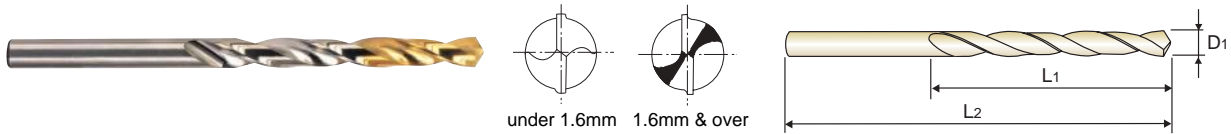
常规

HSSCo8, STRAIGHT SHANK DRILLS GOLD-P COATED (JIS)

REGULAR

- ▶ 刃形：右螺旋形设计
- ▶ 钻顶角：135°，小于1.6mm；一般钻顶，大于1.6mm；静点
- ▶ 表面处理：光亮体但在实际作业的前端处使用TiN涂层
- ▶ 应用：适用于不锈钢和类钛合金和镍铬合金等难加工材料的钻削。

- ▶ **Flute Geometry** : Right hand spiral
- ▶ **Point Angle** : 135°, under 1.6mm:Normal point, from 1.6mm:Split point
- ▶ **Surface treatment** : Bright body TiN coating on working part
- ▶ **Application** : Drilling in stainless steels, materials of difficult machinability such as titanium alloy and inconel.



HSS Co8
N 33°
h8
135°
P.147

				单位(Unit) : mm			
型号	刃径	刃长	全长	型号	刃径	刃长	全长
EDP No.	Drill Diameter	Flute Length	Overall Length	EDP No.	Drill Diameter	Flute Length	Overall Length
	D1	L1	L2		D1	L1	L2
D2GP191072	7.2	75	108	D2GP191102	10.2	98	133
D2GP191073	7.3	75	108	D2GP191103	10.3	98	133
D2GP191074	7.4	78	111	D2GP191104	10.4	98	133
D2GP191075	7.5	78	111	D2GP191105	10.5	100	137
D2GP191076	7.6	78	111	D2GP191106	10.6	100	137
D2GP191077	7.7	81	114	D2GP191107	10.7	100	137
D2GP191078	7.8	81	114	D2GP191108	10.8	103	140
D2GP191079	7.9	81	114	D2GP191109	10.9	103	140
D2GP191080	8.0	81	114	D2GP191110	11.0	103	140
D2GP191081	8.1	84	117	D2GP191111	11.1	103	140
D2GP191082	8.2	84	117	D2GP191112	11.2	106	143
D2GP191083	8.3	84	117	D2GP191113	11.3	106	143
D2GP191084	8.4	87	121	D2GP191114	11.4	106	143
D2GP191085	8.5	87	121	D2GP191115	11.5	106	143
D2GP191086	8.6	87	121	D2GP191116	11.6	109	146
D2GP191087	8.7	87	121	D2GP191117	11.7	109	146
D2GP191088	8.8	89	124	D2GP191118	11.8	109	146
D2GP191089	8.9	89	124	D2GP191119	11.9	109	146
D2GP191090	9.0	89	124	D2GP191120	12.0	111	149
D2GP191091	9.1	89	124	D2GP191121	12.1	111	149
D2GP191092	9.2	92	127	D2GP191122	12.2	111	149
D2GP191093	9.3	92	127	D2GP191123	12.3	111	149
D2GP191094	9.4	92	127	D2GP191124	12.4	114	152
D2GP191095	9.5	92	127	D2GP191125	12.5	114	152
D2GP191096	9.6	95	130	D2GP191126	12.6	114	152
D2GP191097	9.7	95	130	D2GP191127	12.7	114	152
D2GP191098	9.8	95	130	D2GP191128	12.8	114	152
D2GP191099	9.9	95	130	D2GP191129	12.9	114	152
D2GP191100	10.0	95	130	D2GP191130	13.0	114	152
D2GP191101	10.1	98	133				

碳钢	合金钢	预硬钢	硬化钢		铸铁	铝	不锈钢	钛	低碳钢	铜	青铜
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Cast Iron	Aluminum	Stainless Steels	Titanium	Mild Steels	Copper	Bronze
~HB225	HB225~325	HRC30~45	HRc45~55	HRc55~							
◎	◎				○	○	○	○	◎		

I-DREAM DRILLS

DREAM DRILLS -GENERAL

DREAM DRILLS -SOFT

DREAM DRILLS -INOX

DREAM DRILLS -MQL TYPE

DREAM DRILLS for HARDENED STEELS

GENERAL CARBIDE DRILLS

NC-SPOTTING DRILLS

MULTI-1 DRILLS

HPD DRILLS

GOLD-P DRILLS

WORM PATTERN DRILLS

STRAIGHT SHANK DRILLS

TAPER SHANK DRILLS

NC-SPOTTING DRILLS

CENTER DRILLS

SPADE DRILLS

TECHNICAL DATA



成套GOLD-P涂层钻头

GOLD-P COATED DRILL SETS



JIS 钻头刀片普通长度 GOLD-P钻头

JIS DRILL SETS REGULAR LENGTH Gold-P coated Drills

SET号	规格	尺寸	数量
SET NO.	DESCRIPTON	SIZE	Q'TY
D1GP103SET1	高速钢直柄, 普通钻尖 HSS Straight Shank, Normal Point	1.0-10.0x0.5mm step	19 pcs
D1GP103SET2	高速钢直柄, 普通钻尖 HSS Straight Shank, Normal Point	1.0-13.0x0.5mm step	25 pcs
D2GP191SET1	含钴高速钢直柄, 分离式钻尖 (Ø1.0 & Ø1.5 : 普通钻尖) HSSCo8 Straight Shank, Split Point (Ø1.0 & Ø1.5 : NORMAL point)	1.0-10.0x0.5mm step	19 pcs
D2GP191SET2	含钴高速钢直柄, 分离式钻尖 (Ø1.0 & Ø1.5 : 普通钻尖) HSSCo8 Straight Shank, Split Point (Ø1.0 & Ø1.5 : NORMAL point)	1.0-13.0x0.5mm step	25 pcs



GOLD-P钻头 GOLD-P COATED DRILLS

D1GP103, D2GP191 SERIES

单位(Unit) : mm

被加工材料	碳钢		碳钢		合金钢		不锈钢		钛合金		铝合金, 锌合金		镁合金	
WORK MATERIAL	CARBON STEELS		CARBON STEELS		ALLOY STEELS		STAINLESS STEELS		TITANIUM ALLOYS		ALUMINUM ALLOYS, ZINC ALLOYS		MAGNESIUM ALLOYS	
HARDNESS			~ HRC23		~ HRC23 ~ 34		HRC23							
STRENGTH	~ 570 N/mm ²		~ 830 N/mm ²		810 ~ 1110 N/mm ²		~ 830 N/mm ²		~ 410 N/mm ²					
DIAMETER	N	S	N	S	N	S	N	S	N	S	N	S	N	S
1.0	14000	0.02	12500	0.02	7700	0.02	7000	0.02	8050	0.02	30000	0.02	11500	0.03
2.0	7000	0.06	6100	0.06	3850	0.06	3500	0.06	4050	0.06	15000	0.06	5800	0.09
3.0	4650	0.10	4100	0.08	2550	0.08	2350	0.08	2700	0.08	9900	0.10	3850	0.13
4.0	3500	0.11	3050	0.11	1950	0.10	1750	0.10	2000	0.09	7450	0.11	2900	0.15
5.0	2800	0.12	2450	0.11	1550	0.10	1400	0.10	1600	0.10	5950	0.12	2300	0.17
6.0	2350	0.14	2050	0.13	1300	0.12	1150	0.12	1350	0.12	4950	0.14	1950	0.19
7.0	2000	0.16	1750	0.15	1100	0.14	1000	0.14	1150	0.14	4250	0.16	1650	0.22
8.0	1750	0.18	1550	0.18	960	0.15	875	0.15	1000	0.15	3700	0.18	1450	0.24
9.0	1550	0.20	1350	0.22	855	0.18	780	0.18	895	0.17	3300	0.20	1280	0.27
10.0	1400	0.21	1250	0.22	770	0.18	700	0.18	805	0.18	3000	0.23	1150	0.29
11.0	1250	0.22	1100	0.22	700	0.18	650	0.18	730	0.18	2700	0.23	1050	0.30
12.0	1150	0.23	1000	0.22	650	0.20	585	0.20	670	0.20	2480	0.23	960	0.31
13.0	1050	0.23	950	0.22	595	0.20	540	0.20	620	0.20	2300	0.23	890	0.31

N = R.P.M

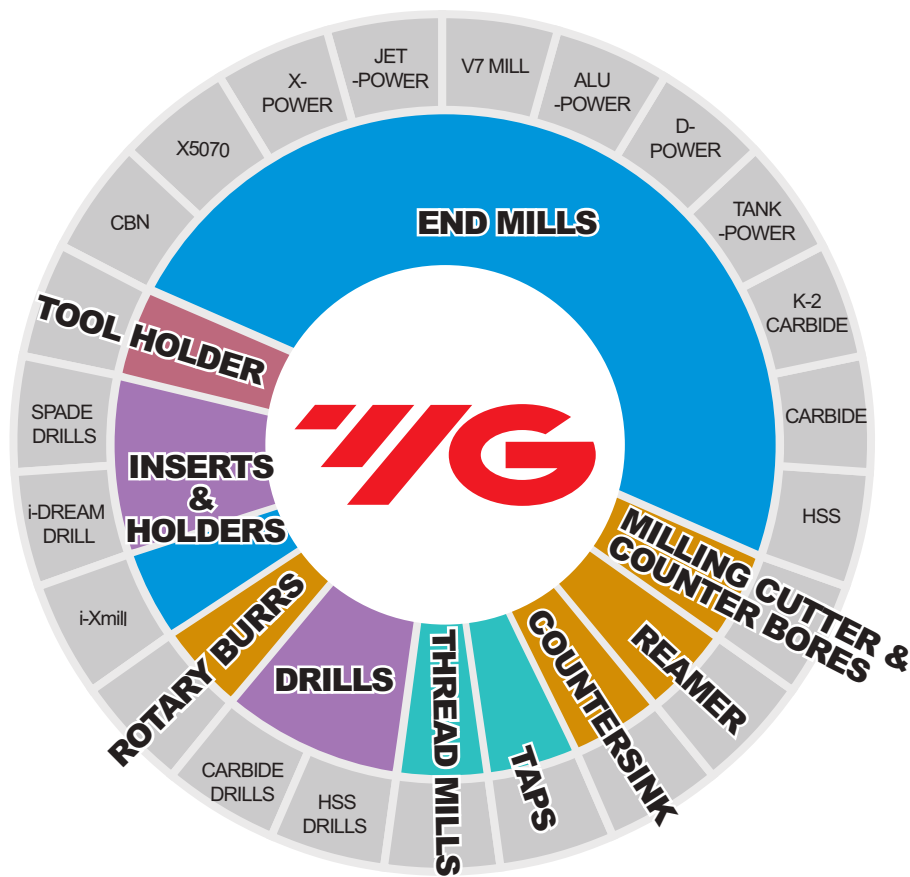
S = Feed per Revolution (mm/rev.)

I-DREAM DRILLS

DREAM DRILLS
-GENERALDREAM DRILLS
-SOFTDREAM DRILLS
-INOXDREAM DRILLS
-MQL TYPEDREAM DRILLS
for HARDENED
STEELSGENERAL
CARBIDE
DRILLSNC-SPOTTING
DRILLSMULTI-1
DRILLS

HPD DRILLS

GOLD-P
DRILLSWORM
PATTERN
DRILLSSTRAIGHT
SHANK
DRILLSTAPER
SHANK
DRILLSNC-SPOTTING
DRILLSCENTER
DRILLSSPADE
DRILLSTECHNICAL
DATA



Challenge toward a Global Leader-

YG-1 Leads the World Market.