

HSS



Leading Through Innovation



GOLD-P DRILLS

GOLD-P BOHRER

- GOLD-P COATING, HSS & HSS-E
- TiN-teilbeschichtete Bohrer, HSS und HSS-E

SELECTION GUIDE

GOLD-P DRILLS (GOLD-P COATED)

Competitive price and same performance as full TiN coating

ITEM	MODEL	DESCRIPTION	SIZE		PAGE
			MIN	MAX	
D1GP125		HSS STRAIGHT SHANK DRILLS, GOLD-P COATED <i>JOBBER</i> HSS SPIRALBOHRER, GOLD-P BESCHICHTET <i>KURZ</i>	D1.0	D13.0	190
D1GP165		HSS STRAIGHT SHANK DRILLS, GOLD-P COATED <i>JOBBER</i> HSS SPIRALBOHRER, GOLD-P BESCHICHTET <i>KURZ</i>	D1.6	D13.0	192
DLGP195		HSS-E STRAIGHT SHANK DRILLS, GOLD-P COATED <i>JOBBER</i> HSS-E SPIRALBOHRER, GOLD-P BESCHICHTET <i>KURZ</i>	D1.0	D13.0	194
DLGP506		HSS-E DH100 STRAIGHT SHANK DRILLS for DEEP HOLES, GOLD-P COATED <i>JOBBER</i> HSS-E DH100 SPIRALBOHRER, für TIEFLOCH mit ZYLINDERSCHAFT, GOLD-P BESCHICHTET <i>KURZ</i>	D2.0	D13.0	196
GOLD-P DRILL SETS	1.0mm ~ 10.0mm × 0.5mm STEP SET1(19PCS) 	1.0mm ~ 13.0mm × 0.5mm STEP SET2(25PCS) 	1.0mm ~ 10.5mm × 0.5mm STEP +3.3 +4.2 +6.8 +10.2 SET3(24PCS) 	1.0mm ~ 10.0mm × 0.1mm STEP SET4(91PCS) 	198
	RECOMMENDED CUTTING CONDITIONS EMPFOHLENE SCHNEIDKONDITIONEN				
					199

HSS GOLD-P DRILLS

◎ : Excellent ○ : Good

P				H	M	K	N				S
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Stainless Steels	Cast Iron	Aluminum	Copper	Bronze	CFRP	Titanium
~HB225	HB225~325	HRC30~45	HRC45~55	HRC55~							
◎	◎				○		○				○
◎	◎				○		○				○
◎	◎				○		○				○
◎	◎					○	○				



HSS STRAIGHT SHANK DRILLS, GOLD-P COATED

JOBBER

🇩🇪 HSS SPIRALBOHRER, GOLD-P BESCHICHTET

KURZ

🇫🇷 Forets GOLD-P HSS queue cylindrique revêtus, série courte

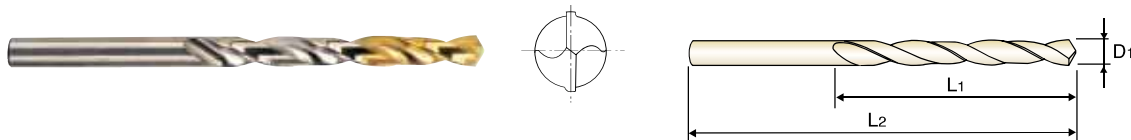
COURTE

🇮🇹 PUNTE IN HSS, GAMBO CILINDRICO, GOLD-P

CORTA

- **Flute Geometry** : Right hand helix
- **Point Angle** : 118°, Normal point
- **Surface treatment** : Bright body, TiN coating on working area
- **Application** : Drilling steels, Cast steels alloyed and Non-alloyed, Grey cast iron, Graphite, Malleable cast iron

- **Nutenform** : Rechtsspirale
- **Spitzenwinkel** : 118° Normalanschliff
- **Oberfläche** : Blank mit TiN-Beschichtung im Arbeitsbereich
- **Anwendung** : Stahl, legierter und unlegierter Stahlguss, Grauguss, Graphit, Temperguss



DIN 338

HSS

N 30°

h8

118°



P.199

Unit : mm

EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂	EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂
D1GP125010	1.0	12	34	D1GP125041	4.1	43	75
D1GP125011	1.1	14	36	D1GP125042	4.2	43	75
D1GP125012	1.2	16	38	D1GP125043	4.3	47	80
D1GP125013	1.3	16	38	D1GP125044	4.4	47	80
D1GP125014	1.4	18	40	D1GP125045	4.5	47	80
D1GP125015	1.5	18	40	D1GP125046	4.6	47	80
D1GP125016	1.6	20	43	D1GP125047	4.7	47	80
D1GP125017	1.7	20	43	D1GP125048	4.8	52	86
D1GP125018	1.8	22	46	D1GP125049	4.9	52	86
D1GP125019	1.9	22	46	D1GP125050	5.0	52	86
D1GP125020	2.0	24	49	D1GP125051	5.1	52	86
D1GP125021	2.1	24	49	D1GP125052	5.2	52	86
D1GP125022	2.2	27	53	D1GP125053	5.3	52	86
D1GP125023	2.3	27	53	D1GP125054	5.4	57	93
D1GP125024	2.4	30	57	D1GP125055	5.5	57	93
D1GP125025	2.5	30	57	D1GP125056	5.6	57	93
D1GP125026	2.6	30	57	D1GP125057	5.7	57	93
D1GP125027	2.7	33	61	D1GP125058	5.8	57	93
D1GP125028	2.8	33	61	D1GP125059	5.9	57	93
D1GP125029	2.9	33	61	D1GP125060	6.0	57	93
D1GP125030	3.0	33	61	D1GP125061	6.1	63	101
D1GP125031	3.1	36	65	D1GP125062	6.2	63	101
D1GP125032	3.2	36	65	D1GP125063	6.3	63	101
D1GP125033	3.3	36	65	D1GP125064	6.4	63	101
D1GP125034	3.4	39	70	D1GP125065	6.5	63	101
D1GP125035	3.5	39	70	D1GP125066	6.6	63	101
D1GP125036	3.6	39	70	D1GP125067	6.7	63	101
D1GP125037	3.7	39	70	D1GP125068	6.8	69	109
D1GP125038	3.8	43	75	D1GP125069	6.9	69	109
D1GP125039	3.9	43	75	D1GP125070	7.0	69	109
D1GP125040	4.0	43	75	D1GP125071	7.1	69	109

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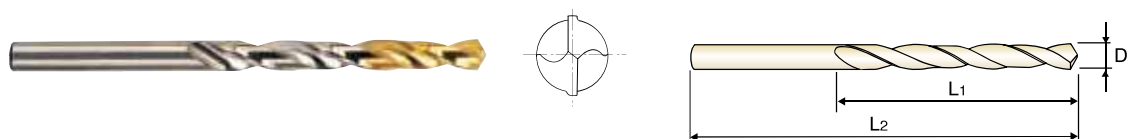
◎ : Excellent ○ : Good

P				H	M	K	N				S
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Stainless Steels	Cast Iron	Aluminum	Copper	Bronze	CFRP	Titanium
~HB225	HB225~325	HRc30~45	HRc45~55 HRc55~								
◎	◎				○		○				○

HSS STRAIGHT SHANK DRILLS, GOLD-P COATED
JOBBER
HSS SPIRALBOHRER, GOLD-P BESCHICHTET
KURZ
Forets GOLD-P HSS queue cylindrique revêtus, série courte
COURTE
PUNTE IN HSS, GAMBO CILINDRICO, GOLD-P
CORTA

- **Flute Geometry** : Right hand helix
- **Point Angle** : 118°, Normal point
- **Surface treatment** : Bright body, TiN coating on working area
- **Application** : Drilling steels, Cast steels alloyed and Non-alloyed, Grey cast iron, Graphite, Malleable cast iron

- **Nutenform** : Rechtsspirale
- **Spitzenwinkel** : 118° Normalanschliff
- **Oberfläche** : Blank mit TiN-Beschichtung im Arbeitsbereich
- **Anwendung** : Stahl, legierter und unlegierter Stahlguss, Grauguss, Graphit, Temperguss


DIN 338
HSS
N 30°
h8
118°


P.199

Unit : mm

EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂	EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂
D1GP125072	7.2	69	109	D1GP125102	10.2	87	133
D1GP125073	7.3	69	109	D1GP125103	10.3	87	133
D1GP125074	7.4	69	109	D1GP125104	10.4	87	133
D1GP125075	7.5	69	109	D1GP125105	10.5	87	133
D1GP125076	7.6	75	117	D1GP125106	10.6	87	133
D1GP125077	7.7	75	117	D1GP125107	10.7	94	142
D1GP125078	7.8	75	117	D1GP125108	10.8	94	142
D1GP125079	7.9	75	117	D1GP125109	10.9	94	142
D1GP125080	8.0	75	117	D1GP125110	11.0	94	142
D1GP125081	8.1	75	117	D1GP125111	11.1	94	142
D1GP125082	8.2	75	117	D1GP125112	11.2	94	142
D1GP125083	8.3	75	117	D1GP125113	11.3	94	142
D1GP125084	8.4	75	117	D1GP125114	11.4	94	142
D1GP125085	8.5	75	117	D1GP125115	11.5	94	142
D1GP125086	8.6	81	125	D1GP125116	11.6	94	142
D1GP125087	8.7	81	125	D1GP125117	11.7	94	142
D1GP125088	8.8	81	125	D1GP125118	11.8	94	142
D1GP125089	8.9	81	125	D1GP125119	11.9	101	151
D1GP125090	9.0	81	125	D1GP125120	12.0	101	151
D1GP125091	9.1	81	125	D1GP125121	12.1	101	151
D1GP125092	9.2	81	125	D1GP125122	12.2	101	151
D1GP125093	9.3	81	125	D1GP125123	12.3	101	151
D1GP125094	9.4	81	125	D1GP125124	12.4	101	151
D1GP125095	9.5	81	125	D1GP125125	12.5	101	151
D1GP125096	9.6	87	133	D1GP125126	12.6	101	151
D1GP125097	9.7	87	133	D1GP125127	12.7	101	151
D1GP125098	9.8	87	133	D1GP125128	12.8	101	151
D1GP125099	9.9	87	133	D1GP125129	12.9	101	151
D1GP125100	10.0	87	133	D1GP125130	13.0	101	151
D1GP125101	10.1	87	133				

© : Excellent ○ : Good

P				H	M	K	N				S
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Stainless Steels	Cast Iron	Aluminum	Copper	Bronze	CFRP	Titanium
~HB225	HB225~325	HRc30~45	HRc45~55	HRc55~							
◎	◎				○		○				○



HSS STRAIGHT SHANK DRILLS, GOLD-P COATED

JOBBER

🇩🇪 HSS SPIRALBOHRER, GOLD-P BESCHICHTET

KURZ

🇫🇷 Forets GOLD-P HSS queue cylindrique revêtus, série courte

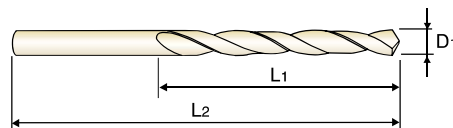
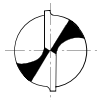
COURTE

🇮🇹 PUNTE IN HSS, GAMBO CILINDRICO, GOLD-P

CORTA

- **Flute Geometry** : Right hand helix
- **Point Angle** : 118°, Split point
- **Surface treatment** : Bright body, TiN coating on working area
- **Application** : Drilling steels, Cast steels alloyed and Non-alloyed, Grey cast iron, Graphite, Malleable cast iron

- **Nutenform** : Rechtsspirale
- **Spitzenwinkel** : 118° Kreuzanschliff
- **Oberfläche** : Blank mit TiN-Beschichtung im Arbeitsbereich
- **Anwendung** : Stahl, legierter und unlegierter Stahlguss, Grauguss, Graphit, Temperguss



DIN 338

HSS

N 30°

h8

118°



P.199

Unit : mm

EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂	EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂
D1GP165016	1.6	20	43	D1GP165046	4.6	47	80
D1GP165017	1.7	20	43	D1GP165047	4.7	47	80
D1GP165018	1.8	22	46	D1GP165048	4.8	52	86
D1GP165019	1.9	22	46	D1GP165049	4.9	52	86
D1GP165020	2.0	24	49	D1GP165050	5.0	52	86
D1GP165021	2.1	24	49	D1GP165051	5.1	52	86
D1GP165022	2.2	27	53	D1GP165052	5.2	52	86
D1GP165023	2.3	27	53	D1GP165053	5.3	52	86
D1GP165024	2.4	30	57	D1GP165054	5.4	57	93
D1GP165025	2.5	30	57	D1GP165055	5.5	57	93
D1GP165026	2.6	30	57	D1GP165056	5.6	57	93
D1GP165027	2.7	33	61	D1GP165057	5.7	57	93
D1GP165028	2.8	33	61	D1GP165058	5.8	57	93
D1GP165029	2.9	33	61	D1GP165059	5.9	57	93
D1GP165030	3.0	33	61	D1GP165060	6.0	57	93
D1GP165031	3.1	36	65	D1GP165061	6.1	63	101
D1GP165032	3.2	36	65	D1GP165062	6.2	63	101
D1GP165033	3.3	36	65	D1GP165063	6.3	63	101
D1GP165034	3.4	39	70	D1GP165064	6.4	63	101
D1GP165035	3.5	39	70	D1GP165065	6.5	63	101
D1GP165036	3.6	39	70	D1GP165066	6.6	63	101
D1GP165037	3.7	39	70	D1GP165067	6.7	63	101
D1GP165038	3.8	43	75	D1GP165068	6.8	69	109
D1GP165039	3.9	43	75	D1GP165069	6.9	69	109
D1GP165040	4.0	43	75	D1GP165070	7.0	69	109
D1GP165041	4.1	43	75	D1GP165071	7.1	69	109
D1GP165042	4.2	43	75	D1GP165072	7.2	69	109
D1GP165043	4.3	47	80	D1GP165073	7.3	69	109
D1GP165044	4.4	47	80	D1GP165074	7.4	69	109
D1GP165045	4.5	47	80	D1GP165075	7.5	69	109

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◎ : Excellent ○ : Good

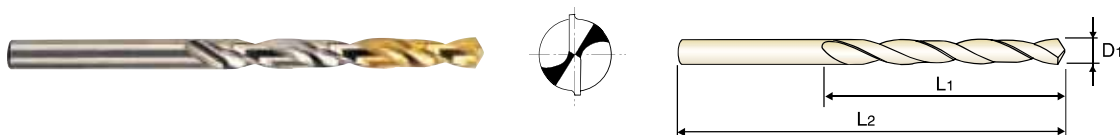
P				H	M	K	N				S
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Stainless Steels	Cast Iron	Aluminum	Copper	Bronze	CFRP	Titanium
~HB225	HB225~325	HRC30~45	HRC45~55 HRC55~								
◎	◎				○		○				○

HSS STRAIGHT SHANK DRILLS, GOLD-P COATED

JOBBER
HSS SPIRALBOHRER, GOLD-P BESCHICHTET
KURZ
Forets GOLD-P HSS queue cylindrique revêtus, série courte
COURTE
PUNTE IN HSS, GAMBO CILINDRICO, GOLD-P
CORTA

- **Flute Geometry** : Right hand helix
- **Point Angle** : 118°, Split point
- **Surface treatment** : Bright body, TiN coating on working area
- **Application** : Drilling steels, Cast steels alloyed and Non-alloyed, Grey cast iron, Graphite, Malleable cast iron

- **Nutenform** : Rechtsspirale
- **Spitzenwinkel** : 118° Kreuzanschliff
- **Oberfläche** : Blank mit TiN-Beschichtung im Arbeitsbereich
- **Anwendung** : Stahl, legierter und unlegierter Stahlguss, Grauguss, Graphit, Temperguss



Unit : mm

EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2	EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2
D1GP165076	7.6	75	117	D1GP165104	10.4	87	133
D1GP165077	7.7	75	117	D1GP165105	10.5	87	133
D1GP165078	7.8	75	117	D1GP165106	10.6	87	133
D1GP165079	7.9	75	117	D1GP165107	10.7	94	142
D1GP165080	8.0	75	117	D1GP165108	10.8	94	142
D1GP165081	8.1	75	117	D1GP165109	10.9	94	142
D1GP165082	8.2	75	117	D1GP165110	11.0	94	142
D1GP165083	8.3	75	117	D1GP165111	11.1	94	142
D1GP165084	8.4	75	117	D1GP165112	11.2	94	142
D1GP165085	8.5	75	117	D1GP165113	11.3	94	142
D1GP165086	8.6	81	125	D1GP165114	11.4	94	142
D1GP165087	8.7	81	125	D1GP165115	11.5	94	142
D1GP165088	8.8	81	125	D1GP165116	11.6	94	142
D1GP165089	8.9	81	125	D1GP165117	11.7	94	142
D1GP165090	9.0	81	125	D1GP165118	11.8	94	142
D1GP165091	9.1	81	125	D1GP165119	11.9	101	151
D1GP165092	9.2	81	125	D1GP165120	12.0	101	151
D1GP165093	9.3	81	125	D1GP165121	12.1	101	151
D1GP165094	9.4	81	125	D1GP165122	12.2	101	151
D1GP165095	9.5	81	125	D1GP165123	12.3	101	151
D1GP165096	9.6	87	133	D1GP165124	12.4	101	151
D1GP165097	9.7	87	133	D1GP165125	12.5	101	151
D1GP165098	9.8	87	133	D1GP165126	12.6	101	151
D1GP165099	9.9	87	133	D1GP165127	12.7	101	151
D1GP165100	10.0	87	133	D1GP165128	12.8	101	151
D1GP165101	10.1	87	133	D1GP165129	12.9	101	151
D1GP165102	10.2	87	133	D1GP165130	13.0	101	151
D1GP165103	10.3	87	133				

© : Excellent ○ : Good

P				H	M	K	N				S
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Stainless Steels	Cast Iron	Aluminum	Copper	Bronze	CFRP	Titanium
~HB225	HB225~325	HRc30~45	HRc45~55	HRc55~							
◎	◎				○		○				○



HSS-E STRAIGHT SHANK DRILLS, GOLD-P COATED

JOBBER

Germany HSS-E SPIRALBOHRER, GOLD-P BESCHICHTET

KURZ

France Forets GOLD-P HSS-E queue cylindrique revêtus, série courte

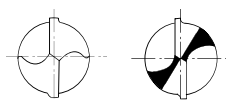
COURTE

Italy PUNTE IN HSS-E, GAMBO CILINDRICO, GOLD-P

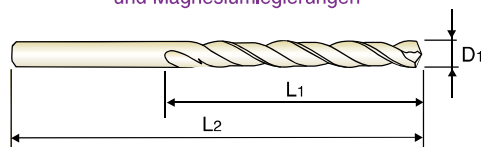
CORTA

- **Flute Geometry** : Right hand helix
- **Point Angle** : 135°, under 1.6mm : Normal point
1.6mm & over : Split point
- **Surface treatment**: Bright body, TiN coating on working area
- **Application** : Drilling stainless steels, difficult to cut materials such as titanium alloys and inconel.

- **Nutenform** : Rechtsspirale
- **Spitzenwinkel** : 135°, unter 1.6mm : Normalanschliff
1.6mm & über : Kreuzanschliff
- **Oberfläche** : Blank mit TiN-Beschichtung im Arbeitsbereich
- **Anwendung** : Tiefe Bohrungen in unlegierten und legierten Stählen, Grauguss, Temperguss, Aluminium- und Magnesiumlegierungen



under 1.6mm 1.6mm & over



DIN
338

HSS-E

33°

h8

135°



P.199

Unit : mm

EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂	EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂
DLGP195010	1.0	12	34	DLGP195041	4.1	43	75
DLGP195011	1.1	14	36	DLGP195042	4.2	43	75
DLGP195012	1.2	16	38	DLGP195043	4.3	47	80
DLGP195013	1.3	16	38	DLGP195044	4.4	47	80
DLGP195014	1.4	18	40	DLGP195045	4.5	47	80
DLGP195015	1.5	18	40	DLGP195046	4.6	47	80
DLGP195016	1.6	20	43	DLGP195047	4.7	47	80
DLGP195017	1.7	20	43	DLGP195048	4.8	52	86
DLGP195018	1.8	22	46	DLGP195049	4.9	52	86
DLGP195019	1.9	22	46	DLGP195050	5.0	52	86
DLGP195020	2.0	24	49	DLGP195051	5.1	52	86
DLGP195021	2.1	24	49	DLGP195052	5.2	52	86
DLGP195022	2.2	27	53	DLGP195053	5.3	52	86
DLGP195023	2.3	27	53	DLGP195054	5.4	57	93
DLGP195024	2.4	30	57	DLGP195055	5.5	57	93
DLGP195025	2.5	30	57	DLGP195056	5.6	57	93
DLGP195026	2.6	30	57	DLGP195057	5.7	57	93
DLGP195027	2.7	33	61	DLGP195058	5.8	57	93
DLGP195028	2.8	33	61	DLGP195059	5.9	57	93
DLGP195029	2.9	33	61	DLGP195060	6.0	57	93
DLGP195030	3.0	33	61	DLGP195061	6.1	63	101
DLGP195031	3.1	36	65	DLGP195062	6.2	63	101
DLGP195032	3.2	36	65	DLGP195063	6.3	63	101
DLGP195033	3.3	36	65	DLGP195064	6.4	63	101
DLGP195034	3.4	39	70	DLGP195065	6.5	63	101
DLGP195035	3.5	39	70	DLGP195066	6.6	63	101
DLGP195036	3.6	39	70	DLGP195067	6.7	63	101
DLGP195037	3.7	39	70	DLGP195068	6.8	69	109
DLGP195038	3.8	43	75	DLGP195069	6.9	69	109
DLGP195039	3.9	43	75	DLGP195070	7.0	69	109
DLGP195040	4.0	43	75	DLGP195071	7.1	69	109

► NEXT PAGE

◎ : Excellent ○ : Good

P				H	M	K	N				S
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Stainless Steels	Cast Iron	Aluminum	Copper	Bronze	CFRP	Titanium
~HB225	HB225~325	HRC30~45	HRC45~55 HRC55~								
◎	◎				○		○				○

HSS-E STRAIGHT SHANK DRILLS, GOLD-P COATED

HSS-E SPIRALBOHRER, GOLD-P BESCHICHTET

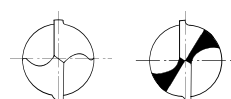
Forets GOLD-P HSS-E queue cylindrique revêtus, série courte

PUNTE IN HSS-E, GAMBO CILINDRICO, GOLD-P

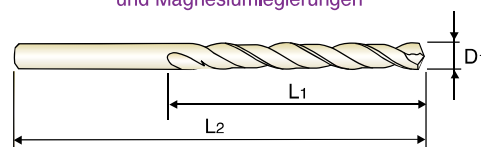
JOBBER
KURZ
COURTE
CORTA

- **Flute Geometry** : Right hand helix
- **Point Angle** : 135°, under 1.6mm : Normal point
1.6mm & over : Split point
- **Surface treatment** : Bright body, TiN coating on working area
- **Application** : Drilling stainless steels, difficult to cut materials such as titanium alloys and inconel.

- **Nutenform** : Rechtsspirale
- **Spitzenwinkel** : 135°, unter 1.6mm : Normalanschliff
1.6mm & über : Kreuzanschliff
- **Oberfläche** : Blank mit TiN-Beschichtung im Arbeitsbereich
- **Anwendung** : Tiefe Bohrungen in unlegierten und legierten Stählen, Grauguss, Temperguss, Aluminium- und Magnesiumlegierungen



under 1.6mm 1.6mm & over


DIN 338
HSS-E
33°
h8
135°


P.199

Unit : mm

EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂
DLGP195072	7.2	69	109
DLGP195073	7.3	69	109
DLGP195074	7.4	69	109
DLGP195075	7.5	69	109
DLGP195076	7.6	75	117
DLGP195077	7.7	75	117
DLGP195078	7.8	75	117
DLGP195079	7.9	75	117
DLGP195080	8.0	75	117
DLGP195081	8.1	75	117
DLGP195082	8.2	75	117
DLGP195083	8.3	75	117
DLGP195084	8.4	75	117
DLGP195085	8.5	75	117
DLGP195086	8.6	81	125
DLGP195087	8.7	81	125
DLGP195088	8.8	81	125
DLGP195089	8.9	81	125
DLGP195090	9.0	81	125
DLGP195091	9.1	81	125
DLGP195092	9.2	81	125
DLGP195093	9.3	81	125
DLGP195094	9.4	81	125
DLGP195095	9.5	81	125
DLGP195096	9.6	87	133
DLGP195097	9.7	87	133
DLGP195098	9.8	87	133
DLGP195099	9.9	87	133
DLGP195100	10.0	87	133
DLGP195101	10.1	87	133

EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂
DLGP195102	10.2	87	133
DLGP195103	10.3	87	133
DLGP195104	10.4	87	133
DLGP195105	10.5	87	133
DLGP195106	10.6	87	133
DLGP195107	10.7	94	142
DLGP195108	10.8	94	142
DLGP195109	10.9	94	142
DLGP195110	11.0	94	142
DLGP195111	11.1	94	142
DLGP195112	11.2	94	142
DLGP195113	11.3	94	142
DLGP195114	11.4	94	142
DLGP195115	11.5	94	142
DLGP195116	11.6	94	142
DLGP195117	11.7	94	142
DLGP195118	11.8	94	142
DLGP195119	11.9	101	151
DLGP195120	12.0	101	151
DLGP195121	12.1	101	151
DLGP195122	12.2	101	151
DLGP195123	12.3	101	151
DLGP195124	12.4	101	151
DLGP195125	12.5	101	151
DLGP195126	12.6	101	151
DLGP195127	12.7	101	151
DLGP195128	12.8	101	151
DLGP195129	12.9	101	151
DLGP195130	13.0	101	151

◎ : Excellent ○ : Good

P				H	M	K	N				S
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Stainless Steels	Cast Iron	Aluminum	Copper	Bronze	CFRP	Titanium
~HB225	HB225~325	HRc30~45	HRc45~55	HRc55~							
◎	◎				○		○				○



HSS-E DH100 STRAIGHT SHANK DRILLS for DEEP HOLES, GOLD-P COATED

JOBBER

Germany HSS-E DH100 SPIRALBOHRER, für TIEFLOCH mit ZYLINDERSCHAFT, GOLD-P BESCHICHTET

KURZ

France Forets GOLD-P HSS-E queue cylindrique revêtus, DH100 pour perçage profond, série courte

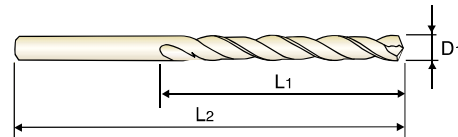
COURTE

Italy PUNTE GAMBO CILINDRICO DH100 IN HSS-E, PER FORI PROFONDI, GOLD-P

CORTA

- **Flute Geometry** : Right hand, 38° helix, DH100 worm pattern type.
- **Point Angle** : 130°, Split point giving higher chip removal.
- **Surface treatment** : Bright body, TiN coating on working area.
- **Application** : Drilling deep holes in non alloy steels, alloy steels, grey cast iron, malleable cast iron, Special aluminum or magnesium alloys.

- **Nutenform** : 38° Rechtsspirale, DH 100 Flachnut
- **Spitzenwinkel** : Durch 130° Kreuzanschiff Gute Spanabfuhr
- **Oberfläche** : Blank mit TiN-Beschichtung im Arbeitsbereich
- **Anwendung** : Tiefe Bohrungen in unlegierten und legierten Stählen, Grauguss, Temperguss, Aluminium- und Magnesiumlegierungen



Unit : mm

EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂	EDP No.	Drill Diameter D ₁	Flute Length L ₁	Overall Length L ₂
DLGP506020	2.0	24	49	DLGP506049	4.9	52	86
DLGP506021	2.1	24	49	DLGP506050	5.0	52	86
DLGP506022	2.2	27	53	DLGP506051	5.1	52	86
DLGP506023	2.3	27	53	DLGP506052	5.2	52	86
DLGP506024	2.4	30	57	DLGP506053	5.3	52	86
DLGP506025	2.5	30	57	DLGP506054	5.4	57	93
DLGP506026	2.6	30	57	DLGP506055	5.5	57	93
DLGP506027	2.7	33	61	DLGP506056	5.6	57	93
DLGP506028	2.8	33	61	DLGP506057	5.7	57	93
DLGP506029	2.9	33	61	DLGP506058	5.8	57	93
DLGP506030	3.0	33	61	DLGP506059	5.9	57	93
DLGP506031	3.1	36	65	DLGP506060	6.0	57	93
DLGP506032	3.2	36	65	DLGP506061	6.1	63	101
DLGP506033	3.3	36	65	DLGP506062	6.2	63	101
DLGP506034	3.4	39	70	DLGP506063	6.3	63	101
DLGP506035	3.5	39	70	DLGP506064	6.4	63	101
DLGP506036	3.6	39	70	DLGP506065	6.5	63	101
DLGP506037	3.7	39	70	DLGP506066	6.6	63	101
DLGP506038	3.8	43	75	DLGP506067	6.7	63	101
DLGP506039	3.9	43	75	DLGP506068	6.8	69	109
DLGP506040	4.0	43	75	DLGP506069	6.9	69	109
DLGP506041	4.1	43	75	DLGP506070	7.0	69	109
DLGP506042	4.2	43	75	DLGP506071	7.1	69	109
DLGP506043	4.3	47	80	DLGP506072	7.2	69	109
DLGP506044	4.4	47	80	DLGP506073	7.3	69	109
DLGP506045	4.5	47	80	DLGP506074	7.4	69	109
DLGP506046	4.6	47	80	DLGP506075	7.5	69	109
DLGP506047	4.7	47	80	DLGP506076	7.6	75	117
DLGP506048	4.8	52	86	DLGP506077	7.7	75	117

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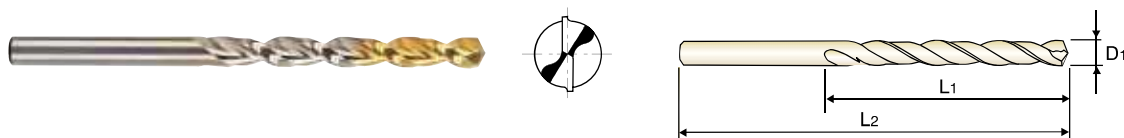
◎ : Excellent ○ : Good

P				H	M	K	N				S
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Stainless Steels	Cast Iron	Aluminum	Copper	Bronze	CFRP	Titanium
~HB225	HB225~325	HRc30~45	HRc45~55 HRc55~								
◎	◎					○	○				

HSS-E DH100 STRAIGHT SHANK DRILLS for DEEP HOLES, GOLD-P COATED
JOBBER
HSS-E DH100 SPIRALBOHRER, für TIEFLOCH mit ZYLINDERSCHAFT, GOLD-P BESCHICHTET
KURZ
Forets GOLD-P HSS-E queue cylindrique revêtus, DH100 pour perçage profond, série courte
COURTE
PUNTE GAMBO CILINDRICO DH100 IN HSS-E, PER FORI PROFONDI, GOLD-P
CORTA

- **Flute Geometry** : Right hand, 38° helix, DH100 worm pattern type.
- **Point Angle** : 130°, Split point giving higher chip removal.
- **Surface treatment** : Bright body, TiN coating on working area.
- **Application** : Drilling deep holes in non alloy steels, alloy steels, grey cast iron, malleable cast iron, Special aluminum or magnesium alloys.

- **Nutenform** : 38° Rechtsspirale, DH 100 Flachnut
- **Spitzenwinkel** : Durch 130° Kreuzanschliff Gute Spanabfuhr
- **Oberfläche** : Blank mit TiN-Beschichtung im Arbeitsbereich
- **Anwendung** : Tiefe Bohrungen in unlegierten und legierten Stählen, Grauguss, Temperguss, Aluminium- und Magnesiumlegierungen



Unit : mm

EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2	EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2
DLGP506078	7.8	75	117	DLGP506105	10.5	87	133
DLGP506079	7.9	75	117	DLGP506106	10.6	87	133
DLGP506080	8.0	75	117	DLGP506107	10.7	94	142
DLGP506081	8.1	75	117	DLGP506108	10.8	94	142
DLGP506082	8.2	75	117	DLGP506109	10.9	94	142
DLGP506083	8.3	75	117	DLGP506110	11.0	94	142
DLGP506084	8.4	75	117	DLGP506111	11.1	94	142
DLGP506085	8.5	75	117	DLGP506112	11.2	94	142
DLGP506086	8.6	81	125	DLGP506113	11.3	94	142
DLGP506087	8.7	81	125	DLGP506114	11.4	94	142
DLGP506088	8.8	81	125	DLGP506115	11.5	94	142
DLGP506089	8.9	81	125	DLGP506116	11.6	94	142
DLGP506090	9.0	81	125	DLGP506117	11.7	94	142
DLGP506091	9.1	81	125	DLGP506118	11.8	94	142
DLGP506092	9.2	81	125	DLGP506119	11.9	101	151
DLGP506093	9.3	81	125	DLGP506120	12.0	101	151
DLGP506094	9.4	81	125	DLGP506121	12.1	101	151
DLGP506095	9.5	81	125	DLGP506122	12.2	101	151
DLGP506096	9.6	87	133	DLGP506123	12.3	101	151
DLGP506097	9.7	87	133	DLGP506124	12.4	101	151
DLGP506098	9.8	87	133	DLGP506125	12.5	101	151
DLGP506099	9.9	87	133	DLGP506126	12.6	101	151
DLGP506100	10.0	87	133	DLGP506127	12.7	101	151
DLGP506101	10.1	87	133	DLGP506128	12.8	101	151
DLGP506102	10.2	87	133	DLGP506129	12.9	101	151
DLGP506103	10.3	87	133	DLGP506130	13.0	101	151
DLGP506104	10.4	87	133				

© : Excellent ○ : Good

P				H	M	K	N				S
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Stainless Steels	Cast Iron	Aluminum	Copper	Bronze	CFRP	Titanium
~HB225	HB225~325	HRc30~45	HRc45~55	HRc55~							
◎	◎					○	○				



GOLD-P COATED DRILL SETS

GOLD-P BESCHICHTET BOHRER SATS
 Coffrets de Forets GOLD-P revêtus
 SET DI PUNTE GOLD-P



DIN338 DRILL SETS JOBBER LENGTH Gold-P coated Drills

SET NO.	DESCRIPTION	SIZE	Q'TY
D1GP165SET1	HSS Straight Shank, Split Point (Ø1.0 & Ø1.5 : NORMAL point)	1.0-10.0x0.5mm step	19 pcs
D1GP165SET2	HSS Straight Shank, Split Point (Ø1.0 & Ø1.5 : NORMAL point)	1.0-13.0x0.5mm step	25 pcs
D1GP165SET3	HSS Straight Shank, Split Point (Ø1.0 & Ø1.5 : NORMAL point)	1.0-10.5x0.5mm step +3.3 +4.2 +6.8 +10.2	24 pcs
DLGP195SET1	HSS-E Straight Shank, Split Point (Ø1.0 & Ø1.5 : NORMAL point)	1.0-10.0x0.5mm step	19 pcs
DLGP195SET2	HSS-E Straight Shank, Split Point (Ø1.0 & Ø1.5 : NORMAL point)	1.0-13.0x0.5mm step	25 pcs
DLGP195SET3	HSS-E Straight Shank, Split Point (Ø1.0 & Ø1.5 : NORMAL point)	1.0-10.5x0.5mm step +3.3 +4.2 +6.8 +10.2	24 pcs
DLGPSET982	HSS-E Straight Shank, Split Point (Ø1.0 & Ø1.5 : NORMAL point)	1.0-10.0x0.1mm step	91 pcs

GOLD-P COATED DRILLS
GOLD-P BESCHICHTET BOHRER
D1GP125, D1GP165, DLGP195 SERIES

WORK MATERIAL	P						M		N				S	
	CARBON STEELS		CARBON STEELS		ALLOY STEELS		STAINLESS STEELS		ALUMINUM ALLOYS, ZINC ALLOYS		MAGNESIUM ALLOYS		TITANIUM 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	
DRILLING SPEED	35 ~ 45 m/min		30 ~ 40 m/min		20 ~ 25 m/min		20 ~ 25 m/min		85 ~ 95 m/min		30 ~ 35 m/min		20 ~ 25 m/min	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
1.0	14000	0.02	12500	0.02	7700	0.02	7000	0.02	30000	0.02	11500	0.03	8050	0.02
2.0	7000	0.06	6100	0.06	3850	0.06	3500	0.06	15000	0.06	5800	0.09	4050	0.06
3.0	4650	0.10	4100	0.08	2550	0.08	2350	0.08	9900	0.10	3850	0.13	2700	0.08
4.0	3500	0.11	3050	0.11	1950	0.10	1750	0.10	7450	0.11	2900	0.15	2000	0.09
5.0	2800	0.12	2450	0.11	1550	0.10	1400	0.10	5950	0.12	2300	0.17	1600	0.10
6.0	2350	0.14	2050	0.13	1300	0.12	1150	0.12	4950	0.14	1950	0.19	1350	0.12
7.0	2000	0.16	1750	0.15	1100	0.14	1000	0.14	4250	0.16	1650	0.22	1150	0.14
8.0	1750	0.18	1550	0.18	960	0.15	875	0.15	3700	0.18	1450	0.24	1000	0.15
9.0	1550	0.20	1350	0.22	855	0.18	780	0.18	3300	0.20	1280	0.27	895	0.17
10.0	1400	0.21	1250	0.22	770	0.18	700	0.18	3000	0.23	1150	0.29	805	0.18
11.0	1250	0.22	1100	0.22	700	0.18	650	0.18	2700	0.23	1050	0.30	730	0.18
12.0	1150	0.23	1000	0.22	650	0.20	585	0.20	2480	0.23	960	0.31	670	0.20
13.0	1050	0.23	950	0.22	595	0.20	540	0.20	2300	0.23	890	0.31	620	0.20

RPM = rev./min.
FEED = mm/rev.

GOLD-P COATED DRILLS for DEEP HOLES
GOLD-P BESCHICHTET BOHRER für TIEFLOCH MIT ZYLINDERSCHAFT
DLGP506 SERIES

WORK MATERIAL	P				K			
	CARBON STEELS ALLOY STEELS		TOOL STEELS HARDENED STEELS		SOFT GREY CAST IRON		HARD GREY CAST IRON	
HARDNESS	HRC15 ~ 30		HRC20 ~ 40					
STRENGTH	700 ~ 1000 N/mm ²		800 ~ 1200 N/mm ²					
DRILLING SPEED	23 ~ 28 m/min		15 ~ 20 m/min		40 ~ 50 m/min		25 ~ 30 m/min	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
1.0	8750	0.02	6300	0.02	16000	0.02	9800	0.02
2.0	4400	0.06	3150	0.06	7900	0.07	4900	0.07
3.0	2900	0.08	2100	0.08	5250	0.11	3250	0.11
4.0	2200	0.09	1600	0.09	3950	0.14	2450	0.14
5.0	1750	0.10	1250	0.10	3150	0.14	1950	0.14
6.0	1450	0.12	1050	0.12	2650	0.18	1650	0.18
7.0	1250	0.14	900	0.14	2250	0.20	1400	0.20
8.0	1100	0.15	790	0.15	1950	0.22	1250	0.22
9.0	975	0.17	700	0.17	1750	0.24	1100	0.24
10.0	875	0.18	630	0.18	1600	0.28	980	0.28
11.0	800	0.20	575	0.20	1450	0.28	890	0.28
12.0	730	0.20	525	0.20	1300	0.28	815	0.28
13.0	675	0.20	485	0.20	1200	0.28	755	0.28

RPM = rev./min.
FEED = mm/rev.



Global Cutting Tool Leader **YG-1**

