STRAIGHT SHANK DRILLS

D2105 SERIES

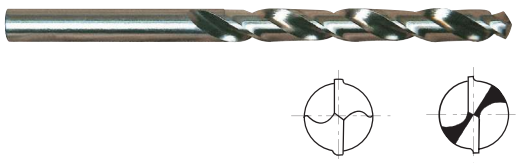
HSS Co8, STRAIGHT SHANK TWIST DRILLS

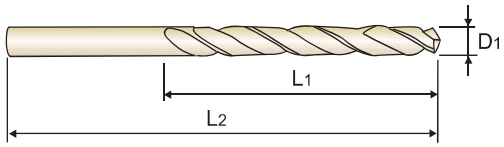
JOBBER

HSS CO8, SPIRALBOHRER mit ZYLINDERSCHAFT — **KURZ**
Forets HSS Co8, queue cylindrique, Forme C, série courte — **COURTE**
PUNTE ELICOIDALI, GAMBO CILINDRICO, HSS Co8 — **CORTA**

▶**Surface treatment** : Coloring(Gold color)
▶**Application** : Drilling stainless steels and difficult - to - cut materials such as titanium and inconel.

▶**Oberflächenbehandlung** : Coloring(Goldfarbe)
▶**Verwendung** : Zum Bohren von rostfreien und austenitischen. Stählen, schwerzerspanbaren Werkstoffen wie Titan und Inconel.





DIN 338 | HSS Co8 | 33° | h8 | 135° | Gold Coloring

p.A262

Recommended ToolHolder — Plain Shank — ER COLLET CHUCK

Unit : mm

EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2
D2105010	1.0	12	34
D2105011	1.1	14	36
D2105012	1.2	16	38
D2105912	1.25	16	38
D2105013	1.3	16	38
D2105014	1.4	18	40
D2105015	1.5	18	40
D2105016	1.6	20	43
D2105017	1.7	20	43
D2105917	1.75	22	46
D2105018	1.8	22	46
D2105019	1.9	22	46
D2105020	2.0	24	49
D2105021	2.1	24	49
D2105022	2.2	27	53
D2105922	2.25	27	53
D2105023	2.3	27	53
D2105024	2.4	30	57
D2105025	2.5	30	57
D2105026	2.6	30	57
D2105027	2.7	33	61
D2105927	2.75	33	61
D2105028	2.8	33	61
D2105029	2.9	33	61
D2105030	3.0	33	61
D2105031	3.1	36	65

EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2
D2105032	3.2	36	65
D2105932	3.25	36	65
D2105033	3.3	36	65
D2105034	3.4	39	70
D2105035	3.5	39	70
D2105036	3.6	39	70
D2105037	3.7	39	70
D2105937	3.75	39	70
D2105038	3.8	43	75
D2105039	3.9	43	75
D2105040	4.0	43	75
D2105041	4.1	43	75
D2105042	4.2	43	75
D2105942	4.25	43	75
D2105043	4.3	47	80
D2105044	4.4	47	80
D2105045	4.5	47	80
D2105046	4.6	47	80
D2105047	4.7	47	80
D2105947	4.75	47	80
D2105048	4.8	52	86
D2105049	4.9	52	86
D2105050	5.0	52	86
D2105051	5.1	52	86
D2105052	5.2	52	86
D2105952	5.25	52	86

▶ TiN(D4105), TiCN(D7105) and TiAlN(DQ105) are available on your request.

▶ NEXT PAGE

◎ : Excellent ○ : Good

ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	○		◎	○	○		○		◎	○	○	○	○	○		○	

ISO	N										S					H				
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommended	○	○	○						○							○					

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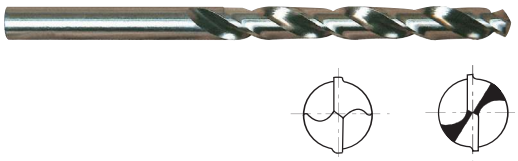
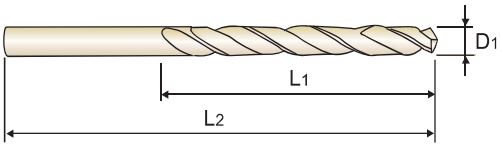


under 1.6mm 1.6mm & over



DIN 338 | HSS Co8 | 33° | h8 | 135° | Gold Coloring

p.A262

Recommended ToolHolder — Plain Shank / ER COLLET CHUCK

Unit : mm

EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2
D2105053	5.3	52	86
D2105054	5.4	57	93
D2105055	5.5	57	93
D2105056	5.6	57	93
D2105057	5.7	57	93
D2105957	5.75	57	93
D2105058	5.8	57	93
D2105059	5.9	57	93
D2105060	6.0	57	93
D2105061	6.1	63	101
D2105062	6.2	63	101
D2105962	6.25	63	101
D2105063	6.3	63	101
D2105064	6.4	63	101
D2105065	6.5	63	101
D2105066	6.6	63	101
D2105067	6.7	63	101
D2105967	6.75	69	109
D2105068	6.8	69	109
D2105069	6.9	69	109
D2105070	7.0	69	109
D2105071	7.1	69	109
D2105072	7.2	69	109
D2105972	7.25	69	109
D2105073	7.3	69	109
D2105074	7.4	69	109

EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2
D2105075	7.5	69	109
D2105076	7.6	75	117
D2105077	7.7	75	117
D2105977	7.75	75	117
D2105078	7.8	75	117
D2105079	7.9	75	117
D2105080	8.0	75	117
D2105081	8.1	75	117
D2105082	8.2	75	117
D2105982	8.25	75	117
D2105083	8.3	75	117
D2105084	8.4	75	117
D2105085	8.5	75	117
D2105086	8.6	81	125
D2105087	8.7	81	125
D2105987	8.75	81	125
D2105088	8.8	81	125
D2105089	8.9	81	125
D2105090	9.0	81	125
D2105091	9.1	81	125
D2105092	9.2	81	125
D2105992	9.25	81	125
D2105093	9.3	81	125
D2105094	9.4	81	125
D2105095	9.5	81	125
D2105096	9.6	87	133

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▶ NEXT PAGE

◎ : Excellent ○ : Good

ISO	P											M			K					
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VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	○		◎	○	○		○		◎	○	○	○	○	○		○	

ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommended	○	○	○						○							○					

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YG-1 CO., LTD.

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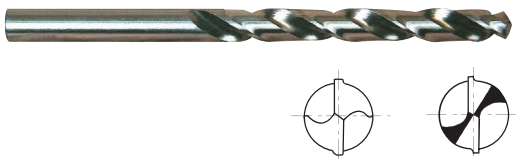

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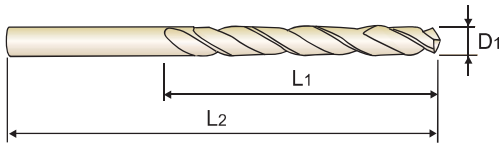

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p.A262

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Unit : mm

EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2
D2105097	9.7	87	133
D2105997	9.75	87	133
D2105098	9.8	87	133
D2105099	9.9	87	133
D2105100	10.0	87	133
D2105102	10.2	87	133
D2105105	10.5	87	133
D2105110	11.0	94	142
D2105115	11.5	94	142
D2105120	12.0	101	151
D2105125	12.5	101	151
D2105130	13.0	101	151
D2105135	13.5	108	160
D2105140	14.0	108	160

EDP No.	Drill Diameter D1	Flute Length L1	Overall Length L2
D2105145	14.5	114	169
D2105150	15.0	114	169
D2105155	15.5	120	178
D2105160	16.0	120	178
D2105165	16.5	125	184
D2105170	17.0	125	184
D2105175	17.5	130	191
D2105180	18.0	130	191
D2105185	18.5	135	198
D2105190	19.0	135	198
D2105195	19.5	140	205
D2105200	20.0	140	205

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HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	○		◎	○	○		○		◎	○	○	○	○	○		○	

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