



Leading Through Innovation

A close-up photograph of a YG HSS-PM Multi-1 drill bit in the process of drilling a hole into a metal plate. The drill bit is dark blue and has a double-flute design. The metal plate is light-colored and has several other holes. Two other drill bits are standing upright in the background. The lighting is dramatic, highlighting the drill bit and the hole being drilled.

HSS-PM

MULTI-1 DRILLS

MULTI-1 BOHRER

- Premium HSS-PM Drills
For Wide Range of Applications Particularly Stainless Steels and Titanium
- HSS-PM Bohrer
Für ein breites Anwendungsspektrum, insbesondere Edelstahl und Titan

A162 phone:+82-32-526-0909, www.yg1.solutions, E-mail:yg1@yg1.solutions **YG-1 CO., LTD.**



CARBIDE

HSS

MULTI-1 DRILLS

CDRA03 SERIES

HSS-PM, MULTI-1 DRILLS

HSS-PM MULTI-1 BOHRER

Forets MULTI-1 HSS-PM Premium, série extra-courte

PUNTA GAMBO CILINDRICO MULTI-1, HSS-PM

STUB

EXTRA KURZ

EXTRA-COURTE

EXTRA CORTA

►Application

: Structural steels, Carbon steels, Alloy steels, Pre-hardened steels, Mold steels, Stainless steels, Hardened steels(HRc30~45), Cast iron, Aluminum alloys, Nonferrous alloys, Titanium.

►Advantage

: Point shape to maximize self-centering.
Flute design for the best chip evacuation.
Premium powder materials with excellent toughness.

►Anwendung

: Baustähle, Kohlenstoffstähle, legierte Stähle, vorgehärtete Stähle, Formstähle, rostfreie Stähle, gehärtete Stähle (HRc30~45), Gusseisen, Aluminiumlegierungen, Nichteisen Legierungen, Titan.

►Vorteile

: Maximale Selbstzentrierung durch besonderen Spitzenanschliff
Bohrergeometrie für optimale Spanabfuhr.
Premium Pulverstahl mit ausgezeichneter Zähigkeit.

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MULTI-1 DRILLS

CDRA04 SERIES

HSS-PM, MULTI-1 DRILLS

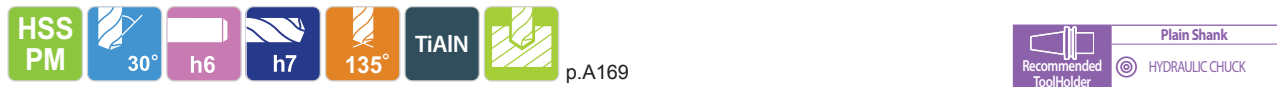
 HSS-PM MULTI-1 BOHRER
 Forets MULTI-1 HSS-PM Premium, série courte
 PUNTA GAMBO CILINDRICO MULTI-1, HSS-PM

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Unit : mm					Unit : mm				
EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length	EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAlN	D1	D2	L1	L2	TiAlN	D1	D2	L1	L2
CDRA04020	2.0	3	24	56	CDRA04044	4.4	6	47	89
CDRA04021	2.1	3	24	56	CDRA04045	4.5	6	47	89
CDRA04022	2.2	3	25	56	CDRA04046	4.6	6	47	89
CDRA04023	2.3	3	25	56	CDRA04047	4.7	6	47	89
CDRA04024	2.4	3	30	61	CDRA04048	4.8	6	52	94
CDRA04025	2.5	3	30	61	CDRA04049	4.9	6	52	94
CDRA04026	2.6	3	30	61	CDRA04050	5.0	6	52	94
CDRA04027	2.7	3	33	64	CDRA04051	5.1	6	52	94
CDRA04028	2.8	3	33	64	CDRA04052	5.2	6	52	94
CDRA04029	2.9	3	33	64	CDRA04053	5.3	6	52	94
CDRA04030	3.0	3	33	64	CDRA04054	5.4	6	57	99
CDRA04031	3.1	4	36	68	CDRA04055	5.5	6	57	99
CDRA04032	3.2	4	36	68	CDRA04056	5.6	6	57	99
CDRA04033	3.3	4	36	68	CDRA04057	5.7	6	57	99
CDRA04034	3.4	4	39	71	CDRA04058	5.8	6	57	99
CDRA04035	3.5	4	39	71	CDRA04059	5.9	6	57	99
CDRA04036	3.6	4	39	71	CDRA04060	6.0	6	57	99
CDRA04037	3.7	4	39	71	CDRA04061	6.1	8	63	107
CDRA04038	3.8	4	43	75	CDRA04062	6.2	8	63	107
CDRA04039	3.9	4	43	75	CDRA04063	6.3	8	63	107
CDRA04040	4.0	4	43	75	CDRA04064	6.4	8	63	107
CDRA04041	4.1	6	43	85	CDRA04065	6.5	8	63	107
CDRA04042	4.2	6	43	85	CDRA04066	6.6	8	63	107
CDRA04043	4.3	6	47	89	CDRA04067	6.7	8	63	107

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◎ : 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		29	32	38	15	35	15	23	10	10	26	3	25			
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			130	110	90	100			200	280	250	350	320	400Rm	1050Rm	550	630	400	550
Recommended	◎	◎	○	○												○					

MULTI-1 DRILLS

CDRA04 SERIES

HSS-PM, MULTI-1 DRILLS

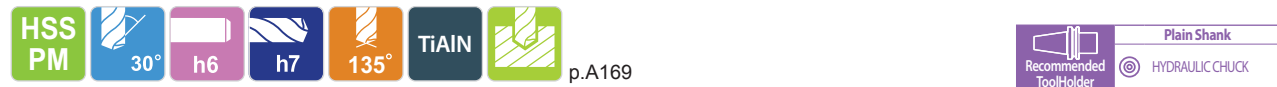
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 PUNTA GAMBO CILINDRICO MULTI-1, HSS-PM

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EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length	EDP No.	Drill Diameter	Shank Diameter	Flute Length	Overall Length
TiAlN	D1	D2	L1	L2	TiAlN	D1	D2	L1	L2
CDRA04068	6.8	8	69	113	CDRA04092	9.2	10	81	131
CDRA04069	6.9	8	69	113	CDRA04093	9.3	10	81	131
CDRA04070	7.0	8	69	113	CDRA04094	9.4	10	81	131
CDRA04071	7.1	8	69	113	CDRA04095	9.5	10	81	131
CDRA04072	7.2	8	69	113	CDRA04096	9.6	10	87	137
CDRA04073	7.3	8	69	113	CDRA04097	9.7	10	87	137
CDRA04074	7.4	8	69	113	CDRA04098	9.8	10	87	137
CDRA04075	7.5	8	69	113	CDRA04099	9.9	10	87	137
CDRA04076	7.6	8	75	119	CDRA04100	10.0	10	87	137
CDRA04077	7.7	8	75	119	CDRA04101	10.1	12	87	144
CDRA04078	7.8	8	75	119	CDRA04102	10.2	12	87	144
CDRA04079	7.9	8	75	119	CDRA04103	10.3	12	87	144
CDRA04080	8.0	8	75	119	CDRA04104	10.4	12	87	144
CDRA04081	8.1	10	75	125	CDRA04105	10.5	12	87	144
CDRA04082	8.2	10	75	125	CDRA04106	10.6	12	87	144
CDRA04083	8.3	10	75	125	CDRA04107	10.7	12	94	151
CDRA04084	8.4	10	75	125	CDRA04108	10.8	12	94	151
CDRA04085	8.5	10	75	125	CDRA04109	10.9	12	94	151
CDRA04086	8.6	10	81	131	CDRA04110	11.0	12	94	151
CDRA04087	8.7	10	81	131	CDRA04111	11.1	12	94	151
CDRA04088	8.8	10	81	131	CDRA04112	11.2	12	94	151
CDRA04089	8.9	10	81	131	CDRA04113	11.3	12	94	151
CDRA04090	9.0	10	81	131	CDRA04114	11.4	12	94	151
CDRA04091	9.1	10	81	131	CDRA04115	11.5	12	94	151

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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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HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400Rm	1050Rm	550	630	400	550
Recommended	◎	◎	○	○												○					

