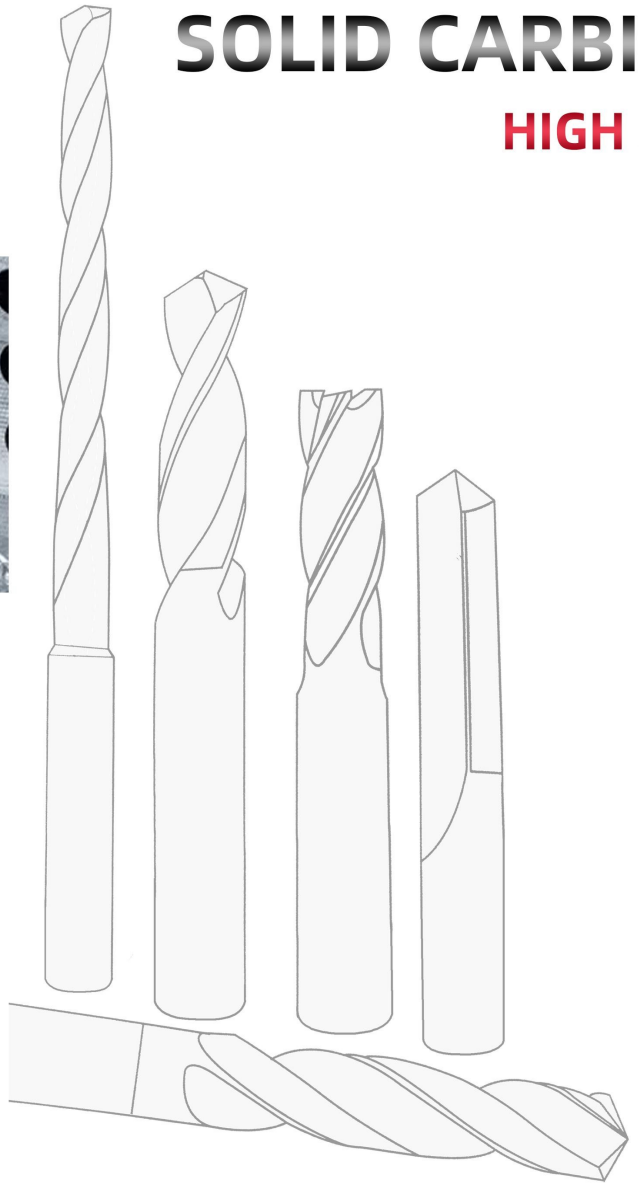
MSUTOOLS

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SOLID CARBIDE DRILLS

HIGH PERFORMANCE



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MSU

CONTECTS 目录

DRILL

Machining Type	系列 Series	命名 Designation	型号 Model No.	Workpiece Material									Page
				P		M	K	N		S	H		
				碳钢	合金钢	不锈钢	铸铁	铜合金	铝合金	钛合金 高温合金	高硬钢 45-55 HRC	高硬钢 >55HRC	
General - Purpose Hole Machining	External-Coolant Twist Drill Series (MGP)	External-Coolant Twist Drill-3×D	MGP3D	◎	◎		◎	O					03/08
		External-Coolant Twist Drill -5×D	MGP5D	◎	◎		◎	O					09/13
	External - Coolant Twist Drill Series (MGPP)	External-Coolant Twist Drill -3×DP	MGPP3D	◎	◎		◎	O					14/19
		External-Coolant Twist Drill -5×DP	MGPP5D	◎	◎		◎	O					20/25
	Internal - Coolant Twist Drill Series (MGPC)	Internal-Coolant Twist Drill -3×DC	MGP3DC	◎	◎		◎	O	O				26/30
		Internal-Coolant Twist Drill -5×DC	MGP5DC	◎	◎		◎	O	O				31/35
		Internal-Coolant Twist Drill -8×DC	MGP8DC	◎	◎	◎	◎	◎	◎				36/41

◎ Very Suitable O suitable

Drill-Bit Model Explanation

3D | 3 x d Depth Ratio
5D | 5 x d Depth Ratio

C | Internal Coolant
 | External Coolant

Diameter Ratio

Cooling Type

MGP | 3D | 100 | C | PP

Name

Cutting Diameter

PPSeries

MGP | General-Purpose Twist Drill

040 | 4.0mm
100 | 10.0mm

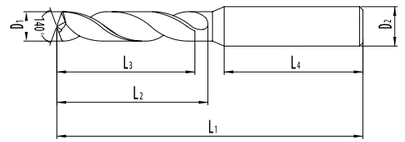
pp | Upgraded Version
 | Standard Version

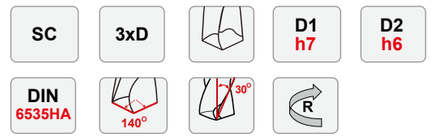
EXTERNAL COOLING TWIST SERIES
通用型麻花钻系列



通用型外冷麻花钻 - 三倍径
Universal external cooling twist drill-3D







编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D005	0.5	3D	6	38	3	●
MGP3D0055	0.55	3D	6	38	3	●
MGP3D006	0.6	3D	6	38	3	●
MGP3D0065	0.65	3D	6	38	3	●
MGP3D007	0.7	3D	6	38	3	●
MGP3D0075	0.75	3D	6	38	3	●
MGP3D008	0.8	3D	6	38	3	●
MGP3D0085	0.85	3D	6	38	3	●
MGP3D009	0.9	3D	6	38	3	●
MGP3D0095	0.95	3D	6	38	3	●
MGP3D010	1.0	3D	8	38	3	●
MGP3D0105	1.05	3D	8	38	3	●
MGP3D011	1.1	3D	10	42	3	●
MGP3D0115	1.15	3D	10	42	3	●
MGP3D012	1.2	3D	10	42	3	●
MGP3D0125	1.25	3D	10	42	3	●
MGP3D013	1.3	3D	10	42	3	●
MGP3D0135	1.35	3D	10	42	3	●
MGP3D014	1.4	3D	11	42	3	●
MGP3D0145	1.45	3D	11	42	3	●
MGP3D015	1.5	3D	11	42	3	●
MGP3D0155	1.55	3D	11	42	3	●
MGP3D016	1.6	3D	12	42	3	●
MGP3D0165	1.65	3D	12	42	3	●
MGP3D017	1.7	3D	12	42	3	●
MGP3D0175	1.75	3D	12	42	3	●
MGP3D018	1.8	3D	13	42	3	●
MGP3D0185	1.85	3D	13	42	3	●
MGP3D019	1.9	3D	13	42	3	●
MGP3D0195	1.95	3D	13	42	3	●
MGP3D020	2.0	3D	14	50	3	●
MGP3D0205	2.05	3D	14	50	3	●
MGP3D021	2.1	3D	14	50	3	●

通用型外冷麻花钻 - 三倍径
Universal external cooling twist drill-3D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D0215	2.15	3D	14	50	3	●
MGP3D022	2.2	3D	14	50	3	●
MGP3D0225	2.25	3D	14	50	3	●
MGP3D023	2.3	3D	14	50	3	●
MGP3D0235	2.35	3D	14	50	3	●
MGP3D024	2.4	3D	14	50	3	●
MGP3D0245	2.45	3D	14	50	3	●
MGP3D025	2.5	3D	14	50	3	●
MGP3D0255	2.55	3D	14	50	3	●
MGP3D026	2.6	3D	14	50	3	●
MGP3D0265	2.65	3D	14	50	3	●
MGP3D027	2.7	3D	14	50	3	●
MGP3D0275	2.75	3D	14	50	3	●
MGP3D028	2.8	3D	14	50	3	●
MGP3D0285	2.85	3D	14	50	3	●
MGP3D029	2.9	3D	14	50	3	●
MGP3D0295	2.95	3D	14	50	3	●
MGP3D030T	3.0	3D	18	60	3	●
MGP3D031	3.1	3D	20	62	4	●
MGP3D032	3.2	3D	20	62	4	●
MGP3D033	3.3	3D	20	62	4	●
MGP3D034	3.4	3D	20	62	4	●
MGP3D035	3.5	3D	20	62	4	●
MGP3D036	3.6	3D	20	62	4	●
MGP3D037	3.7	3D	20	62	4	●
MGP3D038	3.8	3D	24	66	4	●
MGP3D039	3.9	3D	24	66	4	●
MGP3D040	4.0	3D	24	66	4	●
MGP3D041T	4.1	3D	24	62	5	●
MGP3D041T	4.2	3D	26	62	5	●
MGP3D043T	4.3	3D	26	62	5	●
MGP3D044T	4.4	3D	26	62	5	●
MGP3D045T	4.5	3D	26	62	5	●
MGP3D046T	4.6	3D	26	62	5	●
MGP3D047T	4.7	3D	26	62	5	●
MGP3D048T	4.8	3D	26	62	5	●
MGP3D049T	4.9	3D	26	62	5	●
MGP3D050T	5.0	3D	26	62	5	●
MGP3D040-047	4.0-4.7	3D	24	66	6	○
MGP3D048-050	4.8-5.0	3D	28	66	6	○
MGP3D051	5.1	3D	28	66	6	●
MGP3D052	5.2	3D	28	66	6	●
MGP3D053	5.3	3D	28	66	6	●
MGP3D054	5.4	3D	28	66	6	●

通用型外冷麻花钻 - 三倍径
Universal external cooling twist drill-3D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D055	5.5	3D	28	66	6	●
MGP3D056	5.6	3D	28	66	6	●
MGP3D057	5.7	3D	28	66	6	●
MGP3D058	5.8	3D	28	66	6	●
MGP3D059	5.9	3D	28	66	6	●
MGP3D060	6.0	3D	28	66	6	●
MGP3D061T	6.1	3D	34	74	7	●
MGP3D062T	6.2	3D	34	74	7	●
MGP3D063T	6.3	3D	34	74	7	●
MGP3D064T	6.4	3D	34	74	7	●
MGP3D065T	6.5	3D	34	74	7	●
MGP3D066T	6.6	3D	34	74	7	●
MGP3D067T	6.7	3D	37	74	7	●
MGP3D068T	6.8	3D	37	74	7	●
MGP3D069T	6.9	3D	37	74	7	●
MGP3D070T	7.0	3D	37	74	7	●
MGP3D061-070	6.1-7.0	3D	34	79	8	○
MGP3D071	7.1	3D	41	79	8	●
MGP3D072	7.2	3D	41	79	8	●
MGP3D073	7.3	3D	41	79	8	●
MGP3D074	7.4	3D	41	79	8	●
MGP3D075	7.5	3D	41	79	8	●
MGP3D076	7.6	3D	41	79	8	●
MGP3D077	7.7	3D	41	79	8	●
MGP3D078	7.8	3D	41	79	8	●
MGP3D079	7.9	3D	41	79	8	●
MGP3D080	8.0	3D	41	79	8	●
MGP3D081T	8.1	3D	43	84	9	●
MGP3D082T	8.2	3D	43	84	9	●
MGP3D083T	8.3	3D	43	84	9	●
MGP3D084T	8.4	3D	43	84	9	●
MGP3D085T	8.5	3D	43	84	9	●
MGP3D086T	8.6	3D	43	84	9	●
MGP3D087T	8.7	3D	43	84	9	●
MGP3D088T	8.8	3D	43	84	9	●
MGP3D089T	8.9	3D	43	84	9	●
MGP3D090T	9.0	3D	43	84	9	●
MGP3D081-090	8.1-9.0	3D	47	89	10	○
MGP3D091	9.1	3D	47	89	10	●
MGP3D092	9.2	3D	47	89	10	●
MGP3D093	9.3	3D	47	89	10	●
MGP3D094	9.4	3D	47	89	10	●
MGP3D095	9.5	3D	47	89	10	●
MGP3D096	9.6	3D	47	89	10	●

通用型外冷麻花钻 - 三倍径
Universal external cooling twist drill-3D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D097	9.7	3D	47	89	10	●
MGP3D098	9.8	3D	47	89	10	●
MGP3D099	9.9	3D	47	89	10	●
MGP3D100	10.0	3D	47	89	10	●
MGP3D101T	10.1	3D	51	95	11	●
MGP3D102T	10.2	3D	51	95	11	●
MGP3D103T	10.3	3D	51	95	11	●
MGP3D104T	10.4	3D	51	95	11	●
MGP3D105T	10.5	3D	51	95	11	●
MGP3D106T	10.6	3D	51	95	11	●
MGP3D107T	10.7	3D	51	95	11	●
MGP3D108T	10.8	3D	51	95	11	●
MGP3D109T	10.9	3D	51	95	11	●
MGP3D110T	11.0	3D	51	95	11	●
MGP3D101-110	10.1-11.0	3D	55	102	12	○
MGP3D111	11.1	3D	55	102	12	●
MGP3D112	11.2	3D	55	102	12	●
MGP3D113	11.3	3D	55	102	12	●
MGP3D114	11.4	3D	55	102	12	●
MGP3D115	11.5	3D	55	102	12	●
MGP3D116	11.6	3D	55	102	12	●
MGP3D117	11.7	3D	55	102	12	●
MGP3D118	11.8	3D	55	102	12	●
MGP3D119	11.9	3D	55	102	12	●
MGP3D120	12.0	3D	55	102	12	●
MGP3D121T	12.1	3D	57	102	13	●
MGP3D122T	12.2	3D	57	102	13	●
MGP3D123T	12.3	3D	57	102	13	●
MGP3D124T	12.4	3D	57	102	13	●
MGP3D125T	12.5	3D	57	102	13	●
MGP3D126T	12.6	3D	57	102	13	●
MGP3D127T	12.7	3D	57	102	13	●
MGP3D128T	12.8	3D	57	102	13	●
MGP3D129T	12.9	3D	57	102	13	●
MGP3D130T	13.0	3D	57	102	13	●
MGP3D131	13.1	3D	60	107	14	●
MGP3D132	13.2	3D	60	107	14	●
MGP3D133	13.3	3D	60	107	14	●
MGP3D134	13.4	3D	60	107	14	●
MGP3D135	13.5	3D	60	107	14	●
MGP3D136	13.6	3D	60	107	14	●
MGP3D137	13.7	3D	60	107	14	●
MGP3D138	13.8	3D	60	107	14	●
MGP3D139	13.9	3D	60	107	14	●

通用型外冷麻花钻 - 三倍径
Universal external cooling twist drill-3D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D140	14.0	3D	60	107	14	●
MGP3D141	14.1	3D	65	115	16	●
MGP3D142	14.2	3D	65	115	16	●
MGP3D143	14.3	3D	65	115	16	●
MGP3D144	14.4	3D	65	115	16	●
MGP3D145	14.5	3D	65	115	16	●
MGP3D146	14.6	3D	65	115	16	●
MGP3D147	14.7	3D	65	115	16	●
MGP3D148	14.8	3D	65	115	16	●
MGP3D149	14.9	3D	65	115	16	●
MGP3D150	15.0	3D	65	115	16	●
MGP3D151	15.1	3D	65	115	16	●
MGP3D152	15.2	3D	65	115	16	●
MGP3D153	15.3	3D	65	115	16	●
MGP3D154	15.4	3D	65	115	16	●
MGP3D155	15.5	3D	65	115	16	●
MGP3D156	15.6	3D	65	115	16	●
MGP3D157	15.7	3D	65	115	16	●
MGP3D158	15.8	3D	65	115	16	●
MGP3D159	15.9	3D	65	115	16	●
MGP3D160	16.0	3D	65	115	16	●
MGP3D161	16.1	3D	73	123	18	●
MGP3D162	16.2	3D	73	123	18	●
MGP3D163	16.3	3D	73	123	18	●
MGP3D164	16.4	3D	73	123	18	●
MGP3D165	16.5	3D	73	123	18	●
MGP3D166	16.6	3D	73	123	18	●
MGP3D167	16.7	3D	73	123	18	●
MGP3D168	16.8	3D	73	123	18	●
MGP3D169	16.9	3D	73	123	18	●
MGP3D170	17.0	3D	73	123	18	●
MGP3D171	17.1	3D	73	123	18	●
MGP3D172	17.2	3D	73	123	18	●
MGP3D173	17.3	3D	73	123	18	●
MGP3D174	17.4	3D	73	123	18	●
MGP3D175	17.5	3D	73	123	18	●
MGP3D176	17.6	3D	73	123	18	●
MGP3D177	17.7	3D	73	123	18	●
MGP3D178	17.8	3D	73	123	18	●
MGP3D179	17.9	3D	73	123	18	●
MGP3D180	18.0	3D	73	123	18	●
MGP3D181	18.1	3D	79	131	20	●
MGP3D182	18.2	3D	79	131	20	●
MGP3D183	18.3	3D	79	131	20	●

通用孔加工
通用型外冷麻花钻系列（MGP）
通用型外冷麻花钻系列（MGPP）
通用型内冷麻花钻系列（MGPC）

通用型外冷麻花钻 - 三倍径
Universal external cooling twist drill-3D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D184	18.4	3D	79	131	20	●
MGP3D185	18.5	3D	79	131	20	●
MGP3D186	18.6	3D	79	131	20	●
MGP3D187	18.7	3D	79	131	20	●
MGP3D188	18.8	3D	79	131	20	●
MGP3D189	18.9	3D	79	131	20	●
MGP3D190	19.0	3D	79	131	20	●
MGP3D191	19.1	3D	79	131	20	●
MGP3D192	19.2	3D	79	131	20	●
MGP3D193	19.3	3D	79	131	20	●
MGP3D194	19.4	3D	79	131	20	●
MGP3D195	19.5	3D	79	131	20	●
MGP3D196	19.6	3D	79	131	20	●
MGP3D197	19.7	3D	79	131	20	●
MGP3D198	19.8	3D	79	131	20	●
MGP3D199	19.9	3D	79	131	20	●
MGP3D200	20.0	3D	79	131	20	●

■ 库存说明 Inventory description

现货库存 Standing stock ●　　预制库存 Off-the-shelf stock ○

产品介绍 /Production Introduction:

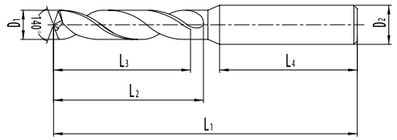
- 优选棒料，强度高，耐磨性好。
  Optimized rod material, high strength, good wear resistance.
- 140°顶角，钻尖公差 h7，柄部公差 h6。
  140° top Angle, drill point tolerance h7, shank tolerance h6.
- 小平面钻尖，波刃状切削刃（D1 ＜ 4mm，直线型切削刃），强度高，切削性能好。
  Small plane drill point, wave cutting edge (D1 < 4mm, linear cutting edge), high strength, good cutting performance.
- 手工钝化，钝化值均匀。
  Manual passivation, uniform passivation value.
- TiAlSi 基涂层，耐磨损，耐高温。
  TiAlSi-based coating, abrasion resistance, high temperature resistance.
- 专业涂层后处理，保证低阻高效加工。
  Professional coating post-treatment to ensure low resistance and efficient

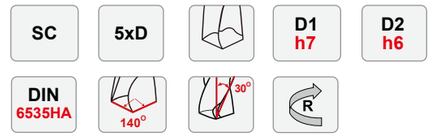
应用范围 /Application scope

- 通用型强，能实现对 P 类软钢、碳钢、合金钢、预硬钢以及 K 类铸铁、球墨铸铁的高效加工。
  Scope of application: strong universal, can realize the efficient processing of P class mild steel, carbon steel, alloy steel, pre-hard steel and K class cast iron, ductile iron.

通用型外冷麻花钻 - 五倍径
Universal external cooling twist drill-5D







编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D010	1.0	5D	10	50	3	●
MGP5D011	1.1	5D	12	50	3	●
MGP5D012	1.2	5D	12	50	3	●
MGP5D013	1.3	5D	12	50	3	●
MGP5D014	1.4	5D	13	50	3	●
MGP5D015	1.5	5D	13	50	3	●
MGP5D016	1.6	5D	14	50	3	●
MGP5D017	1.7	5D	14	50	3	●
MGP5D018	1.8	5D	15	50	3	●
MGP5D019	1.9	5D	15	50	3	●
MGP5D020	2.0	5D	16	50	3	●
MGP5D021	2.1	5D	22	50	3	●
MGP5D022	2.2	5D	22	50	3	●
MGP5D023	2.3	5D	22	50	3	●
MGP5D024	2.4	5D	22	50	3	●
MGP5D025	2.5	5D	22	50	3	●
MGP5D026	2.6	5D	22	50	3	●
MGP5D027	2.7	5D	22	50	3	●
MGP5D028	2.8	5D	22	50	3	●
MGP5D029	2.9	5D	22	50	3	●
MGP5D030T	3.0	5D	25	60	3	●
MGP5D031	3.1	5D	28	66	4	●
MGP5D032	3.2	5D	28	66	4	●
MGP5D033	3.3	5D	28	66	4	●
MGP5D034	3.4	5D	28	66	4	●
MGP5D035	3.5	5D	28	66	4	●
MGP5D036	3.6	5D	28	66	4	●
MGP5D037	3.7	5D	28	66	4	●
MGP5D038	3.8	5D	36	74	4	●
MGP5D039	3.9	5D	36	74	4	●
MGP5D040	4.0	5D	36	74	4	●
MGP5D041T	4.1	5D	33	71	5	●
MGP5D042T	4.2	5D	33	71	5	●

通用型外冷麻花钻 - 五倍径
Universal external cooling twist drill-5D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D043T	4.3	5D	33	71	5	●
MGP5D044T	4.4	5D	36	71	5	●
MGP5D045T	4.5	5D	36	71	5	●
MGP5D046T	4.6	5D	36	71	5	●
MGP5D047T	4.7	5D	36	71	5	●
MGP5D048T	4.8	5D	39	71	5	●
MGP5D049T	4.9	5D	39	71	5	●
MGP5D050T	5.0	5D	39	71	5	●
MGP5D041-047	4.1-4.7	5D	36	74	6	○
MGP5D048-050	4.8-5.0	5D	44	82	6	○
MGP5D051	5.1	5D	44	82	6	●
MGP5D052	5.2	5D	44	82	6	●
MGP5D053	5.3	5D	44	82	6	●
MGP5D054	5.4	5D	44	82	6	●
MGP5D055	5.5	5D	44	82	6	●
MGP5D056	5.6	5D	44	82	6	●
MGP5D057	5.7	5D	44	82	6	●
MGP5D058	5.8	5D	44	82	6	●
MGP5D059	5.9	5D	44	82	6	●
MGP5D060	6.0	5D	44	82	6	●
MGP5D061T	6.1	5D	47	87	7	●
MGP5D062T	6.2	5D	47	87	7	●
MGP5D063T	6.3	5D	47	87	7	●
MGP5D064T	6.4	5D	47	87	7	●
MGP5D065T	6.5	5D	47	87	7	●
MGP5D066T	6.6	5D	47	87	7	●
MGP5D067T	6.7	5D	47	87	7	●
MGP5D068T	6.8	5D	47	87	7	●
MGP5D069T	6.9	5D	47	87	7	●
MGP5D070T	7.0	5D	47	87	7	●
MGP5D061-070	6.1-7.0	5D	53	91	8	○
MGP5D071	7.1	5D	53	91	8	●
MGP5D072	7.2	5D	53	91	8	●
MGP5D073	7.3	5D	53	91	8	●
MGP5D074	7.4	5D	53	91	8	●
MGP5D075	7.5	5D	53	91	8	●
MGP5D076	7.6	5D	53	91	8	●
MGP5D077	7.7	5D	53	91	8	●
MGP5D078	7.8	5D	53	91	8	●
MGP5D079	7.9	5D	53	91	8	●
MGP5D080	8.0	5D	53	91	8	●
MGP5D081T	8.1	5D	56	96	9	●
MGP5D082T	8.2	5D	56	96	9	●
MGP5D083T	8.3	5D	56	96	9	●

通用型外冷麻花钻 - 五倍径
Universal external cooling twist drill-5D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D084T	8.4	5D	56	96	9	●
MGP5D085T	8.5	5D	56	96	9	●
MGP5D086T	8.6	5D	56	96	9	●
MGP5D087T	8.7	5D	56	96	9	●
MGP5D088T	8.8	5D	56	96	9	●
MGP5D089T	8.9	5D	56	96	9	●
MGP5D090T	9.0	5D	56	96	9	●
MGP5D081-090	8.1-9.0	5D	61	103	10	○
MGP5D091	9.1	5D	61	103	10	●
MGP5D092	9.2	5D	61	103	10	●
MGP5D093	9.3	5D	61	103	10	●
MGP5D094	9.4	5D	61	103	10	●
MGP5D095	9.5	5D	61	103	10	●
MGP5D096	9.6	5D	61	103	10	●
MGP5D097	9.7	5D	61	103	10	●
MGP5D098	9.8	5D	61	103	10	●
MGP5D099	9.9	5D	61	103	10	●
MGP5D100	10.0	5D	61	103	10	●
MGP5D101T	10.1	5D	68	115	11	●
MGP5D102T	10.2	5D	68	115	11	●
MGP5D103T	10.3	5D	68	115	11	●
MGP5D104T	10.4	5D	68	115	11	●
MGP5D105T	10.5	5D	68	115	11	●
MGP5D106T	10.6	5D	68	115	11	●
MGP5D107T	10.7	5D	68	115	11	●
MGP5D108T	10.8	5D	68	115	11	●
MGP5D109T	10.9	5D	68	115	11	●
MGP5D110T	11.0	5D	68	115	11	●
MGP5D101-110	10.1-11.0	5D	71	118	12	○
MGP5D111	11.1	5D	71	118	12	●
MGP5D112	11.2	5D	71	118	12	●
MGP5D113	11.3	5D	71	118	12	●
MGP5D114	11.4	5D	71	118	12	●
MGP5D115	11.5	5D	71	118	12	●
MGP5D116	11.6	5D	71	118	12	●
MGP5D117	11.7	5D	71	118	12	●
MGP5D118	11.8	5D	71	118	12	●
MGP5D119	11.9	5D	71	118	12	●
MGP5D120	12.0	5D	71	118	12	●
MGP5D121T	12.1	5D	75	125	13	●
MGP5D122T	12.2	5D	75	125	13	●
MGP5D123T	12.3	5D	75	125	13	●
MGP5D124T	12.4	5D	75	125	13	●
MGP5D125T	12.5	5D	75	125	13	●

通用孔加工
通用型外冷麻花钻系列（MGP）
通用型外冷麻花钻系列（MGPP）
通用型内冷麻花钻系列（MGPC）

通用型外冷麻花钻 - 五倍径
Universal external cooling twist drill-5D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D126T	12.6	5D	75	125	13	●
MGP5D127T	12.7	5D	75	125	13	●
MGP5D128T	12.8	5D	75	125	13	●
MGP5D129T	12.9	5D	75	125	13	●
MGP5D130T	13.0	5D	75	125	13	●
MGP5D121-130	12.1-13.0	5D	77	124	14	●
MGP5D131	13.1	5D	77	124	14	●
MGP5D132	13.2	5D	77	124	14	●
MGP5D133	13.3	5D	77	124	14	○
MGP5D134	13.4	5D	77	124	14	○
MGP5D135	13.5	5D	77	124	14	●
MGP5D136	13.6	5D	77	124	14	●
MGP5D137	13.7	5D	77	124	14	●
MGP5D138	13.8	5D	77	124	14	●
MGP5D139	13.9	5D	77	124	14	●
MGP5D140	14.0	5D	77	124	14	●
MGP5D141	14.1	5D	83	133	16	●
MGP5D142	14.2	5D	83	133	16	●
MGP5D143	14.3	5D	83	133	16	●
MGP5D144	14.4	5D	83	133	16	●
MGP5D145	14.5	5D	83	133	16	●
MGP5D146	14.6	5D	83	133	16	●
MGP5D147	14.7	5D	83	133	16	●
MGP5D148	14.8	5D	83	133	16	●
MGP5D149	14.9	5D	83	133	16	●
MGP5D150	15.0	5D	83	133	16	●
MGP5D151	15.1	5D	83	133	16	●
MGP5D152	15.2	5D	83	133	16	●
MGP5D153	15.3	5D	83	133	16	●
MGP5D154	15.4	5D	83	133	16	●
MGP5D155	15.5	5D	83	133	16	○
MGP5D156	15.6	5D	83	133	16	●
MGP5D157	15.7	5D	83	133	16	●
MGP5D158	15.8	5D	83	133	16	●
MGP5D159	15.9	5D	83	133	16	●
MGP5D160	16.0	5D	83	133	16	●
MGP5D161	16.1	5D	93	143	18	●
MGP5D162	16.2	5D	93	143	18	●
MGP5D163	16.3	5D	93	143	18	●
MGP5D164	16.4	5D	93	143	18	●
MGP5D165	16.5	5D	93	143	18	●
MGP5D166	16.6	5D	93	143	18	●
MGP5D167	16.7	5D	93	143	18	●
MGP5D168	16.8	5D	93	143	18	●

通用型外冷麻花钻 - 五倍径
Universal external cooling twist drill-5D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D169	16.9	5D	93	143	18	●
MGP5D170	17.0	5D	93	143	18	●
MGP5D171	17.1	5D	93	143	18	●
MGP5D172	17.2	5D	93	143	18	●
MGP5D173	17.3	5D	93	143	18	●
MGP5D174	17.4	5D	93	143	18	●
MGP5D175	17.5	5D	93	143	18	●
MGP5D176	17.6	5D	93	143	18	●
MGP5D177	17.7	5D	93	143	18	●
MGP5D178	17.8	5D	93	143	18	●
MGP5D179	17.9	5D	93	143	18	●
MGP5D180	18.0	5D	93	143	18	●
MGP5D181	18.1	5D	101	153	20	●
MGP5D182	18.2	5D	101	153	20	●
MGP5D183	18.3	5D	101	153	20	●
MGP5D184	18.4	5D	101	153	20	●
MGP5D185	18.5	5D	101	153	20	●
MGP5D186	18.6	5D	101	153	20	●
MGP5D187	18.7	5D	101	153	20	●
MGP5D188	18.8	5D	101	153	20	●
MGP5D189	18.9	5D	101	153	20	●
MGP5D190	19.0	5D	101	153	20	●
MGP5D191	19.1	5D	101	153	20	●
MGP5D192	19.2	5D	101	153	20	●
MGP5D193	19.3	5D	101	153	20	●
MGP5D194	19.4	5D	101	153	20	●
MGP5D195	19.5	5D	101	153	20	●
MGP5D196	19.6	5D	101	153	20	●
MGP5D197	19.7	5D	101	153	20	●
MGP5D198	19.8	5D	101	153	20	●
MGP5D199	19.9	5D	101	153	20	●
MGP5D200	20.0	5D	101	153	20	●

■ 库存说明 Inventory description　现货库存 Standing stock ●　预制库存 Off-the-shelf stock ○

产品介绍 /Production Introduction:

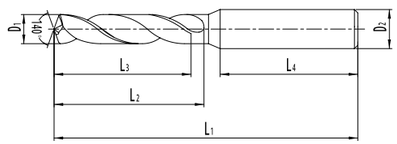
- 优选棒料，强度高，耐磨性好。
  Optimized rod material, high strength, good wear resistance.
- 140°顶角，钻尖公差 h7，柄部公差 h6。
  140° top Angle, drill point tolerance h7, shank tolerance h6.
- 小平面钻尖，波刃状切削刃（D1 ＜ 4mm，直线型切削刃），强度高，切削性能好。
  Small plane drill point, wave cutting edge (D1 < 4mm, linear cutting edge), high strength, good cutting performance.
- 手工钝化，钝化值均匀。
  Manual passivation, uniform passivation value.
- TiAlSi 基涂层，耐磨损，耐高温。
  TiAlSi-based coating, abrasion resistance, high temperature resistance.
- 专业涂层后处理，保证低阻高效加工。
  Professional coating post-treatment to ensure low resistance and efficient

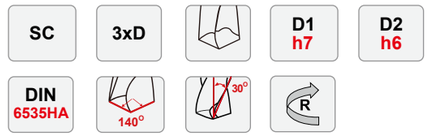
应用范围 /Application scope

- 通用型强，能实现对 P 类软钢、碳钢、合金钢、预硬钢以及 K 类铸铁、球墨铸铁的高效加工。
  Scope of application: strong universal, can realize the efficient processing of P class mild steel, carbon steel, alloy steel, pre-hard steel and K class cast iron, ductile iron.

通用型外冷麻花钻 - 三倍-P
Universal external cooling twist drill-3MGPP







编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP3D010	1.0	3D	8	50	4	●
MGPP3D011	1.1	3D	10	50	4	●
MGPP3D012	1.2	3D	10	50	4	●
MGPP3D013	1.3	3D	10	50	4	●
MGPP3D014	1.4	3D	11	50	4	●
MGP3D015	1.5	3D	11	50	4	●
MGPP3D016	1.6	3D	12	50	4	●
MGPP3D017	1.7	3D	12	50	4	●
MGPP3D018	1.8	3D	13	50	4	●
MGPP3D019	1.9	3D	13	50	4	●
MGPP3D020	2.0	3D	14	50	4	●
MGPP3D021	2.1	3D	14	50	4	●
MGPP3D022	2.2	3D	14	50	4	●
MGPP3D023	2.3	3D	14	50	4	●
MGPP3D024	2.4	3D	14	50	4	●
MGPP3D025	2.5	3D	14	50	4	●
MGPP3D026	2.6	3D	14	50	4	●
MGPP3D027	2.7	3D	14	50	4	●
MGPP3D028	2.8	3D	14	50	4	●
MGPP3D029	2.9	3D	14	50	4	●
MGPP3D030	3.0	3D	20	62	4	●
MGPP3D031	3.1	3D	20	62	4	●
MGPP3D032	3.2	3D	20	62	4	●
MGPP3D033	3.3	3D	20	62	4	●
MGPP3D034	3.4	3D	20	62	4	●
MGPP3D035	3.5	3D	20	62	4	●
MGPP3D036	3.6	3D	20	62	4	●
MGPP3D037	3.7	3D	20	62	4	●
MGPP3D038	3.8	3D	24	66	4	●
MGPP3D039	3.9	3D	24	66	4	●
MGPP3D040	4.0	3D	24	66	4	●
MGPP3D030P	3.0	3D	20	62	6	●
MGPP3D031P	3.1	3D	20	62	6	●

通用型外冷麻花钻 - 三倍径 -p
Universal External Cooling Twist Drill-3MGPP

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP3D032P	3.2	3D	20	62	6	●
MGPP3D033P	3.3	3D	20	62	6	●
MGPP3D034P	3.4	3D	20	62	6	●
MGPP3D035P	3.5	3D	20	62	6	●
MGPP3D036P	3.6	3D	20	62	6	●
MGPP3D037P	3.7	3D	20	62	6	●
MGPP3D038P	3.8	3D	24	66	6	●
MGPP3D039P	3.9	3D	24	66	6	●
MGPP3D040P	4.0	3D	24	66	6	●
MGPP3D041	4.1	3D	24	66	6	●
MGPP3D042	4.2	3D	24	66	6	●
MGPP3D043	4.3	3D	24	66	6	●
MGPP3D044	4.4	3D	24	66	6	●
MGPP3D045	4.5	3D	24	66	6	●
MGPP3D046	4.6	3D	24	66	6	●
MGPP3D047	4.7	3D	24	66	6	●
MGPP3D048	4.8	3D	28	66	6	●
MGPP3D049	4.9	3D	28	66	6	●
MGPP3D050	5.0	3D	28	66	6	●
MGPP3D051	5.1	3D	28	66	6	●
MGPP3D052	5.2	3D	28	66	6	●
MGPP3D053	5.3	3D	28	66	6	●
MGPP3D054	5.4	3D	28	66	6	●
MGPP3D055	5.5	3D	28	66	6	●
MGPP3D056	5.6	3D	28	66	6	●
MGPP3D057	5.7	3D	28	66	6	●
MGPP3D058	5.8	3D	28	66	6	●
MGPP3D059	5.9	3D	28	66	6	●
MGPP3D060	6.0	3D	28	66	6	●
MGPP3D061	6.1	3D	34	79	8	●
MGPP3D062	6.2	3D	34	79	8	●
MGPP3D063	6.3	3D	34	79	8	●
MGPP3D064	6.4	3D	34	79	8	●
MGPP3D065	6.5	3D	34	79	8	●
MGPP3D066	6.6	3D	34	79	8	●
MGPP3D067	6.7	3D	34	79	8	●
MGPP3D068	6.8	3D	34	79	8	●
MGPP3D069	6.9	3D	34	79	8	●
MGPP3D070	7.0	3D	34	79	8	●
MGPP3D071	7.1	3D	41	79	8	●
MGPP3D072	7.2	3D	41	79	8	●
MGPP3D073	7.3	3D	41	79	8	●
MGPP3D074	7.4	3D	41	79	8	●
MGPP3D075	7.5	3D	41	79	8	●

通用型外冷麻花钻 - 三倍径 - P
Universal External Cooling Twist Drill-3MGPP

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP3D076	7.6	3D	41	79	8	●
MGPP3D077	7.7	3D	41	79	8	●
MGPP3D078	7.8	3D	41	79	8	●
MGPP3D079	7.9	3D	41	79	8	●
MGPP3D080	8.0	3D	41	79	8	●
MGPP3D081	8.1	3D	47	89	10	●
MGPP3D082	8.2	3D	47	89	10	●
MGPP3D083	8.3	3D	47	89	10	●
MGPP3D084	8.4	3D	47	89	10	●
MGPP3D085	8.5	3D	47	89	10	●
MGPP3D086	8.6	3D	47	89	10	●
MGPP3D087	8.7	3D	47	89	10	●
MGPP3D088	8.8	3D	47	89	10	●
MGPP3D089	8.9	3D	47	89	10	●
MGPP3D090	9.0	3D	47	89	10	●
MGPP3D091	9.1	3D	47	89	10	●
MGPP3D092	9.2	3D	47	89	10	●
MGPP3D093	9.3	3D	47	89	10	●
MGPP3D094	9.4	3D	47	89	10	●
MGPP3D095	9.5	3D	47	89	10	●
MGPP3D096	9.6	3D	47	89	10	●
MGPP3D097	9.7	3D	47	89	10	●
MGPP3D098	9.8	3D	47	89	10	●
MGPP3D099	9.9	3D	47	89	10	●
MGPP3D100	10.0	3D	47	89	10	●
MGPP3D101	10.1	3D	55	102	12	●
MGPP3D102	10.2	3D	55	102	12	●
MGPP3D103	10.3	3D	55	102	12	●
MGPP3D104	10.4	3D	55	102	12	●
MGPP3D105	10.5	3D	55	102	12	●
MGPP3D106	10.6	3D	55	102	12	●
MGPP3D107	10.7	3D	55	102	12	●
MGPP3D108	10.8	3D	55	102	12	●
MGPP3D109	10.9	3D	55	102	12	●
MGPP3D110	11.0	3D	55	102	12	●
MGPP3D111	11.1	3D	55	102	12	●
MGPP3D112	11.2	3D	55	102	12	●
MGPP3D113	11.3	3D	55	102	12	●
MGPP3D114	11.4	3D	55	102	12	●
MGPP3D115	11.5	3D	55	102	12	●
MGPP3D116	11.6	3D	55	102	12	●
MGPP3D117	11.7	3D	55	102	12	●
MGPP3D118	11.8	3D	55	102	12	●
MGPP3D119	11.9	3D	55	102	12	●

通用孔加工
通用型外冷麻花钻系列（MGP）
通用型外冷麻花钻系列（MGPP）
通用型内冷麻花钻系列（MGPC）

通用型外冷麻花钻 - 三倍径 - P
Universal External Cooling Twist Drill-3MGPP

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP3D120	12.0	3D	55	102	12	●
MGPP3D121	12.1	3D	60	107	14	●
MGPP3D122	12.2	3D	60	107	14	●
MGPP3D123	12.3	3D	60	107	14	●
MGPP3D124	12.4	3D	60	107	14	●
MGPP3D125	12.5	3D	60	107	14	●
MGPP3D126	12.6	3D	60	107	14	●
MGPP3D127	12.7	3D	60	107	14	●
MGPP3D128	12.8	3D	60	107	14	●
MGPP3D129	12.9	3D	60	107	14	●
MGPP3D130	13.0	3D	60	107	14	●
MGPP3D131	13.1	3D	60	107	14	●
MGPP3D132	13.2	3D	60	107	14	●
MGPP3D133	13.3	3D	60	107	14	●
MGPP3D134	13.4	3D	60	107	14	●
MGPP3D135	13.5	3D	60	107	14	●
MGPP3D136	13.6	3D	60	107	14	●
MGPP3D137	13.7	3D	60	107	14	●
MGPP3D138	13.8	3D	60	107	14	●
MGPP3D139	13.9	3D	60	107	14	●
MGPP3D140	14.0	3D	60	107	14	●
MGPP3D141	14.1	3D	65	115	16	●
MGPP3D142	14.2	3D	65	115	16	●
MGPP3D143	14.3	3D	65	115	16	●
MGPP3D144	14.4	3D	65	115	16	●
MGPP3D145	14.5	3D	65	115	16	●
MGPP3D146	14.6	3D	65	115	16	●
MGPP3D147	14.7	3D	65	115	16	●
MGPP3D148	14.8	3D	65	115	16	●
MGPP3D149	14.9	3D	65	115	16	●
MGPP3D150	15.0	3D	65	115	16	●
MGPP3D151	15.1	3D	65	115	16	●
MGPP3D152	15.2	3D	65	115	16	●
MGPP3D153	15.3	3D	65	115	16	●
MGPP3D154	15.4	3D	65	115	16	●
MGPP3D155	15.5	3D	65	115	16	●
MGPP3D156	15.6	3D	65	115	16	●
MGPP3D157	15.7	3D	65	115	16	●
MGPP3D158	15.8	3D	65	115	16	●
MGPP3D159	15.9	3D	65	115	16	●
MGPP3D160	16.0	3D	65	115	16	●
MGPP3D161	16.1	3D	73	123	18	●
MGPP3D162	16.2	3D	73	123	18	●
MGPP3D163	16.3	3D	73	123	18	●

通用型外冷麻花钻 - 三倍径 - p
Universal External Cooling Twist Drill-3MGPP

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP3D164	16.4	3D	73	123	18	●
MGPP3D165	16.5	3D	73	123	18	●
MGPP3D166	16.6	3D	73	123	18	●
MGPP3D167	16.7	3D	73	123	18	●
MGPP3D168	16.8	3D	73	123	18	●
MGPP3D169	16.9	3D	73	123	18	●
MGPP3D170	17.0	3D	73	123	18	●
MGPP3D171	17.1	3D	73	123	18	●
MGPP3D172	17.2	3D	73	123	18	●
MGPP3D173	17.3	3D	73	123	18	●
MGPP3D174	17.4	3D	73	123	18	●
MGPP3D175	17.5	3D	73	123	18	●
MGPP3D176	17.6	3D	73	123	18	●
MGPP3D177	17.7	3D	73	123	18	●
MGPP3D178	17.8	3D	73	123	18	●
MGPP3D179	17.9	3D	73	123	18	●
MGPP3D180	18.0	3D	73	123	18	●
MGPP3D181	18.1	3D	79	131	20	●
MGPP3D182	18.2	3D	79	131	20	●
MGPP3D183	18.3	3D	79	131	20	●
MGPP3D184	18.4	3D	79	131	20	●
MGPP3D185	18.5	3D	79	131	20	●
MGPP3D186	18.6	3D	79	131	20	●
MGPP3D187	18.7	3D	79	131	20	●
MGPP3D188	18.8	3D	79	131	20	●
MGPP3D189	18.9	3D	79	131	20	●
MGPP3D190	19.0	3D	79	131	20	●
MGPP3D191	19.1	3D	79	131	20	●
MGPP3D192	19.2	3D	79	131	20	●
MGPP3D193	19.3	3D	79	131	20	●
MGPP3D194	19.4	3D	79	131	20	●
MGPP3D195	19.5	3D	79	131	20	●
MGPP3D196	19.6	3D	79	131	20	●
MGPP3D197	19.7	3D	79	131	20	●
MGPP3D198	19.8	3D	79	131	20	●
MGPP3D199	19.9	3D	79	131	20	●
MGPP3D200	20.0	3D	79	131	20	●

■ 库存说明 Inventory description　现货库存 Standing stock ●　预制库存 Off-the-shelf stock ○

通用型外冷麻花钻 - 三倍径 - P
Universal External Cooling Twist Drill-3MGPP

产品介绍 /Production Introduction:

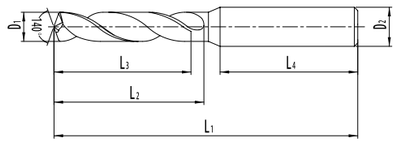
- 优选棒料，强度高，耐磨性好。
  Optimized rod material, high strength, good wear resistance
- 140°顶角，钻尖公差 h7，柄部公差 h6。
  140° top Angle, drill point tolerance h7, shank tolerance h6.
- 螺旋钻尖结构，钻尖强度高，复杂工况更具优势。
  Auger tip structure, high drill tip strength, more advantages in complex working conditions.
- 钻尖、排屑槽抛光，断屑、排屑更顺畅。
  Drill tip, chip groove polishing, chip breaking, chip removal more smoothly.
- CrAlSi 基涂层，耐磨损，耐高温。
  CrAlSi based coating, abrasion resistance, high temperature resistance.
- 手工钝化，钝化值均匀。
  Manual passivation, uniform passivation value.
- 专业涂层后处理，保证低阻高效加工。
  Professional coating post-treatment to ensure low resistance and efficient processing.

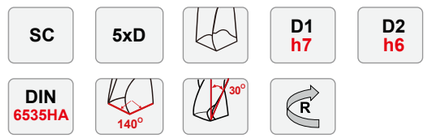
应用范围 /Application scope

- 通用型强，能实现对 P 类软钢、碳钢、合金钢、预硬钢以及 K 类铸铁、球墨铸铁的高效加工。
  Scope of application: strong universal, can realize the efficient processing of P class mild steel, carbon steel, alloy steel, pre-hard steel and K class cast iron, ductile iron.

通用型外冷麻花钻 - 五倍径
Universal External Cooling Twist Drill-5MGPP







编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP5D010	1	5D	10	50	4	●
MGPP5D011	1.1	5D	12	50	4	●
MGPP5D012	1.2	5D	12	50	4	●
MGPP5D013	1.3	5D	12	50	4	●
MGPP5D014	1.4	5D	13	50	4	●
MGPP5D015	1.5	5D	13	50	4	●
MGPP5D016	1.6	5D	14	50	4	●
MGPP5D017	1.7	5D	14	50	4	●
MGPP5D018	1.8	5D	15	50	4	●
MGPP5D019	1.9	5D	15	50	4	●
MGPP5D020	2	5D	16	60	4	●
MGPP5D021	2.1	5D	22	60	4	●
MGPP5D022	2.2	5D	22	60	4	●
MGPP5D023	2.3	5D	22	60	4	●
MGPP5D024	2.4	5D	22	60	4	●
MGPP5D025	2.5	5D	22	60	4	●
MGPP5D026	2.6	5D	22	60	4	●
MGPP5D027	2.7	5D	22	60	4	●
MGPP5D028	2.8	5D	22	60	4	●
MGPP5D029	2.9	5D	22	60	4	●
MGPP5D030	3.0	5D	28	66	4	●
MGPP5D031	3.1	5D	28	66	4	●
MGPP5D032	3.2	5D	28	66	4	●
MGPP5D033	3.3	5D	28	66	4	●
MGPP5D034	3.4	5D	28	66	4	●
MGPP5D035	3.5	5D	28	66	4	●
MGPP5D036	3.6	5D	28	66	4	●
MGPP5D037	3.7	5D	28	66	4	●
MGPP5D038	3.8	5D	36	74	4	●
MGPP5D039	3.9	5D	36	74	4	●
MGPP5D040	4.0	5D	36	74	4	●
MGPP5D030P	3.0	5D	28	66	6	●
MGPP5D031P	3.1	5D	28	66	6	●

通用孔加工
通用型外冷麻花钻系列（MGP）
通用型外冷麻花钻系列（MGPP）
通用型内冷麻花钻系列（MGPC）

通用型外冷麻花钻 - 五倍径
Universal External Cooling Twist Drill-5MGPP

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP5D032P	3.2	5D	28	66	6	●
MGPP5D033P	3.3	5D	28	66	6	●
MGPP5D034P	3.4	5D	28	66	6	●
MGPP5D035P	3.5	5D	28	66	6	●
MGPP5D036P	3.6	5D	28	66	6	●
MGPP5D037P	3.7	5D	28	66	6	●
MGPP5D038P	3.8	5D	36	74	6	●
MGPP5D039P	3.9	5D	36	74	6	●
MGPP5D040P	4.0	5D	36	74	6	●
MGPP5D041	4.1	5D	36	74	6	●
MGPP5D042	4.2	5D	36	74	6	●
MGPP5D043	4.3	5D	36	74	6	●
MGPP5D044	4.4	5D	36	74	6	●
MGPP5D045	4.5	5D	36	74	6	●
MGPP5D046	4.6	5D	36	74	6	●
MGPP5D047	4.7	5D	36	74	6	●
MGPP5D048	4.8	5D	44	82	6	●
MGPP5D049	4.9	5D	44	82	6	●
MGPP5D050	5.0	5D	44	82	6	●
MGPP5D051	5.1	5D	44	82	6	●
MGPP5D052	5.2	5D	44	82	6	●
MGPP5D053	5.3	5D	44	82	6	●
MGPP5D054	5.4	5D	44	82	6	●
MGPP5D055	5.5	5D	44	82	6	●
MGPP5D056	5.6	5D	44	82	6	●
MGPP5D057	5.7	5D	44	82	6	●
MGPP5D058	5.8	5D	44	82	6	●
MGPP5D059	5.9	5D	44	82	6	●
MGPP5D060	6.0	5D	44	82	6	●
MGPP5D061	6.1	5D	53	91	8	●
MGPP5D062	6.2	5D	53	91	8	●
MGPP5D063	6.3	5D	53	91	8	●
MGPP5D064	6.4	5D	53	91	8	●
MGPP5D065	6.5	5D	53	91	8	●
MGPP5D066	6.6	5D	53	91	8	●
MGPP5D067	6.7	5D	53	91	8	●
MGPP5D068	6.8	5D	53	91	8	●
MGPP5D069	6.9	5D	53	91	8	●
MGPP5D070	7.0	5D	53	91	8	●
MGPP5D071	7.1	5D	53	91	8	●
MGPP5D072	7.2	5D	53	91	8	●
MGPP5D073	7.3	5D	53	91	8	●
MGPP5D074	7.4	5D	53	91	8	●
MGPP5D075	7.5	5D	53	91	8	●

通用型外冷麻花钻 - 五倍径 - P
Universal External Cooling Twist Drill-5MGPP

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP5D076	7.6	5D	53	91	8	●
MGPP5D077	7.7	5D	53	91	8	●
MGPP5D078	7.8	5D	53	91	8	●
MGPP5D079	7.9	5D	53	91	8	●
MGPP5D080	8.0	5D	53	91	8	●
MGPP5D081	8.1	5D	61	103	10	●
MGPP5D082	8.2	5D	61	103	10	●
MGPP5D083	8.3	5D	61	103	10	●
MGPP5D084	8.4	5D	61	103	10	●
MGPP5D085	8.5	5D	61	103	10	●
MGPP5D086	8.6	5D	61	103	10	●
MGPP5D087	8.7	5D	61	103	10	●
MGPP5D088	8.8	5D	61	103	10	●
MGPP5D089	8.9	5D	61	103	10	●
MGPP5D090	9.0	5D	61	103	10	●
MGPP5D091	9.1	5D	61	103	10	●
MGPP5D092	9.2	5D	61	103	10	●
MGPP5D093	9.3	5D	61	103	10	●
MGPP5D094	9.4	5D	61	103	10	●
MGPP5D095	9.5	5D	61	103	10	●
MGPP5D096	9.6	5D	61	103	10	●
MGPP5D097	9.7	5D	61	103	10	●
MGPP5D098	9.8	5D	61	103	10	●
MGPP5D099	9.9	5D	61	103	10	●
MGPP5D100	10.0	5D	61	103	10	●
MGPP5D101	10.1	5D	71	118	12	●
MGPP5D102	10.2	5D	71	118	12	●
MGPP5D103	10.3	5D	71	118	12	●
MGPP5D104	10.4	5D	71	118	12	●
MGPP5D105	10.5	5D	71	118	12	●
MGPP5D106	10.6	5D	71	118	12	●
MGPP5D107	10.7	5D	71	118	12	●
MGPP5D108	10.8	5D	71	118	12	●
MGPP5D109	10.9	5D	71	118	12	●
MGPP5D110	11.0	5D	71	118	12	●
MGPP5D111	11.1	5D	71	118	12	●
MGPP5D112	11.2	5D	71	118	12	●
MGPP5D113	11.3	5D	71	118	12	●
MGPP5D114	11.4	5D	71	118	12	●
MGPP5D115	11.5	5D	71	118	12	●
MGPP5D116	11.6	5D	71	118	12	●
MGPP5D117	11.7	5D	71	118	12	●
MGPP5D118	11.8	5D	71	118	12	●
MGPP5D119	11.9	5D	71	118	12	●

通用型外冷麻花钻 - 五倍径 -P
Universal External Cooling Twist Drill-5MGPP

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP5D120	12.0	5D	71	118	12	●
MGPP5D121	12.1	5D	77	124	14	●
MGPP5D122	12.2	5D	77	124	14	●
MGPP5D123	12.3	5D	77	124	14	●
MGPP5D124	12.4	5D	77	124	14	●
MGPP5D125	12.5	5D	77	124	14	●
MGPP5D126	12.6	5D	77	124	14	●
MGPP5D127	12.7	5D	77	124	14	●
MGPP5D128	12.8	5D	77	124	14	●
MGPP5D129	12.9	5D	77	124	14	●
MGPP5D130	13.0	5D	77	124	14	●
MGPP5D131	13.1	5D	77	124	14	●
MGPP5D132	13.2	5D	77	124	14	●
MGPP5D133	13.3	5D	77	124	14	●
MGPP5D134	13.4	5D	77	124	14	●
MGPP5D135	13.5	5D	77	124	14	●
MGPP5D136	13.6	5D	77	124	14	●
MGPP5D137	13.7	5D	77	124	14	●
MGPP5D138	13.8	5D	77	124	14	●
MGPP5D139	13.9	5D	77	124	14	●
MGPP5D140	14.0	5D	77	124	14	●
MGPP5D141	14.1	5D	83	133	16	●
MGPP5D142	14.2	5D	83	133	16	●
MGPP5D143	14.3	5D	83	133	16	●
MGPP5D144	14.4	5D	83	133	16	●
MGPP5D145	14.5	5D	83	133	16	●
MGPP5D146	14.6	5D	83	133	16	●
MGPP5D147	14.7	5D	83	133	16	●
MGPP5D148	14.8	5D	83	133	16	●
MGPP5D149	14.9	5D	83	133	16	●
MGPP5D150	15.0	5D	83	133	16	●
MGPP5D151	15.1	5D	83	133	16	●
MGPP5D152	15.2	5D	83	133	16	●
MGPP5D153	15.3	5D	83	133	16	●
MGPP5D154	15.4	5D	83	133	16	●
MGPP5D155	15.5	5D	83	133	16	●
MGPP5D156	15.6	5D	83	133	16	●
MGPP5D157	15.7	5D	83	133	16	●
MGPP5D158	15.8	5D	83	133	16	●
MGPP5D159	15.9	5D	83	133	16	●
MGPP5D160	16.0	5D	83	133	16	●
MGPP5D161	16.1	5D	93	143	18	●
MGPP5D162	16.2	5D	93	143	18	●
MGPP5D163	16.3	5D	93	143	18	●

通用型外冷麻花钻 - 五倍径 - P
Universal External Cooling Twist Drill-5MGPP

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGPP5D164	16.4	5D	93	143	18	●
MGPP5D165	16.5	5D	93	143	18	●
MGPP5D166	16.6	5D	93	143	18	●
MGPP5D167	16.7	5D	93	143	18	●
MGPP5D168	16.8	5D	93	143	18	●
MGPP5D169	16.9	5D	93	143	18	●
MGPP5D170	17.0	5D	93	143	18	●
MGPP5D171	17.1	5D	93	143	18	●
MGPP5D172	17.2	5D	93	143	18	●
MGPP5D173	17.3	5D	93	143	18	●
MGPP5D174	17.4	5D	93	143	18	●
MGPP5D175	17.5	5D	93	143	18	●
MGPP5D176	17.6	5D	93	143	18	●
MGPP5D177	17.7	5D	93	143	18	●
MGPP5D178	17.8	5D	93	143	18	●
MGPP5D179	17.9	5D	93	143	18	●
MGPP5D180	18.0	5D	93	143	18	●
MGPP5D181	18.1	5D	101	153	20	●
MGPP5D182	18.2	5D	101	153	20	●
MGPP5D183	18.3	5D	101	153	20	●
MGPP5D184	18.4	5D	101	153	20	●
MGPP5D185	18.5	5D	101	153	20	●
MGPP5D186	18.6	5D	101	153	20	●
MGPP5D187	18.7	5D	101	153	20	●
MGPP5D188	18.8	5D	101	153	20	●
MGPP5D189	18.9	5D	101	153	20	●
MGPP5D190	19.0	5D	101	153	20	●
MGPP5D191	19.1	5D	101	153	20	●
MGPP5D192	19.2	5D	101	153	20	●
MGPP5D193	19.3	5D	101	153	20	●
MGPP5D194	19.4	5D	101	153	20	●
MGPP5D195	19.5	5D	101	153	20	●
MGPP5D196	19.6	5D	101	153	20	●
MGPP5D197	19.7	5D	101	153	20	●
MGPP5D198	19.8	5D	101	153	20	●
MGPP5D199	19.9	5D	101	153	20	●
MGPP5D200	20.0	5D	101	153	20	●

■ 库存说明 Inventory description　现货库存 Standing stock ●　预制库存 Off-the-shelf stock ○

通用型外冷麻花钻 - 五倍径 - P
Universal External Cooling Twist Drill-5MGPP

产品介绍 /Production Introduction:

- 优选棒料，强度高，耐磨性好。
  Optimized rod material, high strength, good wear resistance
- 140°顶角，钻尖公差 h7，柄部公差 h6。
  140° top Angle, drill point tolerance h7, shank tolerance h6.
- 螺旋钻尖结构，钻尖强度高，复杂工况更具优势。
  Auger tip structure, high drill tip strength, more advantages in complex working conditions.
- 钻尖、排屑槽抛光，断屑、排屑更顺畅。
  Drill tip, chip groove polishing, chip breaking, chip removal more smoothly.
- CrAlSi 基涂层，耐磨损，耐高温。
  CrAlSi based coating, abrasion resistance, high temperature resistance.
- 手工钝化，钝化值均匀。
  Manual passivation, uniform passivation value.
- 专业涂层后处理，保证低阻高效加工。
  Professional coating post-treatment to ensure low resistance and efficient processing.

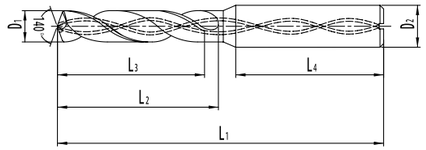
应用范围 /Application scope

- 通用型强，能实现对 P 类软钢、碳钢、合金钢、预硬钢以及 K 类铸铁、球墨铸铁的高效加工。
  Scope of application: strong universal, can realize the efficient processing of P class mild steel, carbon steel, alloy steel, pre-hard steel and K class cast iron, ductile iron.

通用孔加工
通用型外冷麻花钻系列（MGP）
通用型外冷麻花钻系列（MGPP）
通用型内冷麻花钻系列（MGPC）

通用型内冷麻花钻 - 三倍径
Universal internal cooling twist drill-3D





SC | 3xD | D1 h7 | D2 h6

DIN 6535HA | 140° | 30° | R

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D030C	3.0	3D	20	62	4	●
MGP3D031C	3.1	3D	20	62	4	●
MGP3D032C	3.2	3D	20	62	4	●
MGP3D033C	3.3	3D	20	62	4	●
MGP3D034C	3.4	3D	20	62	4	●
MGP3D035C	3.5	3D	20	62	4	●
MGP3D036C	3.6	3D	20	62	4	●
MGP3D037C	3.7	3D	20	62	4	●
MGP3D038C	3.8	3D	24	66	4	●
MGP3D039C	3.9	3D	24	66	4	●
MGP3D040C	4.0	3D	24	66	4	●
MGP3D041C	4.1	3D	24	66	6	●
MGP3D042C	4.2	3D	24	66	6	●
MGP3D043C	4.3	3D	24	66	6	●
MGP3D044C	4.4	3D	24	66	6	●
MGP3D045C	4.5	3D	24	66	6	●
MGP3D046C	4.6	3D	24	66	6	●
MGP3D047C	4.7	3D	24	66	6	●
MGP3D048C	4.8	3D	28	66	6	●
MGP3D049C	4.9	3D	28	66	6	●
MGP3D050C	5.0	3D	28	66	6	●
MGP3D051C	5.1	3D	28	66	6	●
MGP3D052C	5.2	3D	28	66	6	●
MGP3D053C	5.3	3D	28	66	6	●
MGP3D054C	5.4	3D	28	66	6	●
MGP3D055C	5.5	3D	28	66	6	●
MGP3D056C	5.6	3D	28	66	6	●
MGP3D057C	5.7	3D	28	66	6	●
MGP3D058C	5.8	3D	28	66	6	●
MGP3D059C	5.9	3D	28	66	6	●
MGP3D060C	6.0	3D	28	66	6	●
MGP3D061C	6.1	3D	34	79	8	●
MGP3D062C	6.2	3D	34	79	8	●

通用孔加工
通用型外冷麻花钻系列（MGP）
通用型外冷麻花钻系列（MGPP）
通用型内冷麻花钻系列（MGPC）

通用型内冷麻花钻 - 三倍径
Universal internal cooling twist drill-3D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D063C	6.3	3D	34	79	8	●
MGP3D064C	6.4	3D	34	79	8	●
MGP3D065C	6.5	3D	34	79	8	●
MGP3D066C	6.6	3D	34	79	8	●
MGP3D067C	6.7	3D	34	79	8	●
MGP3D068C	6.8	3D	34	79	8	●
MGP3D069C	6.9	3D	34	79	8	●
MGP3D070C	7.0	3D	34	79	8	●
MGP3D071C	7.1	3D	41	79	8	●
MGP3D072C	7.2	3D	41	79	8	●
MGP3D073C	7.3	3D	41	79	8	●
MGP3D074C	7.4	3D	41	79	8	●
MGP3D075C	7.5	3D	41	79	8	●
MGP3D076C	7.6	3D	41	79	8	●
MGP3D077C	7.7	3D	41	79	8	●
MGP3D078C	7.8	3D	41	79	8	●
MGP3D079C	7.9	3D	41	79	8	●
MGP3D080C	8.0	3D	41	79	8	●
MGP3D081C	8.1	3D	47	89	10	●
MGP3D082C	8.2	3D	47	89	10	●
MGP3D083C	8.3	3D	47	89	10	●
MGP3D084C	8.4	3D	47	89	10	●
MGP3D085C	8.5	3D	47	89	10	●
MGP3D086C	8.6	3D	47	89	10	●
MGP3D087C	8.7	3D	47	89	10	●
MGP3D088C	8.8	3D	47	89	10	●
MGP3D089C	8.9	3D	47	89	10	●
MGP3D090C	9.0	3D	47	89	10	●
MGP3D091C	9.1	3D	47	89	10	●
MGP3D092C	9.2	3D	47	89	10	●
MGP3D093C	9.3	3D	47	89	10	●
MGP3D094C	9.4	3D	47	89	10	●
MGP3D095C	9.5	3D	47	89	10	●
MGP3D096C	9.6	3D	47	89	10	●
MGP3D097C	9.7	3D	47	89	10	●
MGP3D098C	9.8	3D	47	89	10	●
MGP3D099C	9.9	3D	47	89	10	●
MGP3D100C	10.0	3D	47	89	10	●
MGP3D101C	10.1	3D	55	102	12	●
MGP3D102C	10.2	3D	55	102	12	●
MGP3D103C	10.3	3D	55	102	12	●
MGP3D104C	10.4	3D	55	102	12	●
MGP3D105C	10.5	3D	55	102	12	●
MGP3D106C	10.6	3D	55	102	12	●

通用型内冷麻花钻 - 三倍径
Universal internal cooling twist drill-3D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D107C	10.7	3D	55	102	12	●
MGP3D108C	10.8	3D	55	102	12	●
MGP3D109C	10.9	3D	55	102	12	●
MGP3D110C	11.0	3D	55	102	12	●
MGP3D111C	11.1	3D	55	102	12	●
MGP3D112C	11.2	3D	55	102	12	●
MGP3D113C	11.3	3D	55	102	12	●
MGP3D114C	11.4	3D	55	102	12	●
MGP3D115C	11.5	3D	55	102	12	●
MGP3D116C	11.6	3D	55	102	12	●
MGP3D117C	11.7	3D	55	102	12	●
MGP3D118C	11.8	3D	55	102	12	●
MGP3D119C	11.9	3D	55	102	12	●
MGP3D120C	12.0	3D	55	102	12	●
MGP3D121C	12.1	3D	60	107	14	●
MGP3D122C	12.2	3D	60	107	14	●
MGP3D123C	12.3	3D	60	107	14	●
MGP3D124C	12.4	3D	60	107	14	●
MGP3D125C	12.5	3D	60	107	14	●
MGP3D126C	12.6	3D	60	107	14	●
MGP3D127C	12.7	3D	60	107	14	●
MGP3D128C	12.8	3D	60	107	14	●
MGP3D129C	12.9	3D	60	107	14	●
MGP3D130C	13.0	3D	60	107	14	●
MGP3D131C	13.1	3D	60	107	14	●
MGP3D132C	13.2	3D	60	107	14	●
MGP3D133C	13.3	3D	60	107	14	●
MGP3D134C	13.4	3D	60	107	14	●
MGP3D135C	13.5	3D	60	107	14	●
MGP3D136C	13.6	3D	60	107	14	●
MGP3D137C	13.7	3D	60	107	14	●
MGP3D138C	13.8	3D	60	107	14	●
MGP3D139C	13.9	3D	60	107	14	●
MGP3D140C	14.0	3D	60	107	14	●
MGP3D141C	14.1	3D	65	115	16	○
MGP3D142C	14.2	3D	65	115	16	○
MGP3D143C	14.3	3D	65	115	16	○
MGP3D144C	14.4	3D	65	115	16	○
MGP3D145C	14.5	3D	65	115	16	○
MGP3D146C	14.6	3D	65	115	16	○
MGP3D147C	14.7	3D	65	115	16	○
MGP3D148C	14.8	3D	65	115	16	○
MGP3D149C	14.9	3D	65	115	16	○
MGP3D150C	15.0	3D	65	115	16	○

通用型内冷麻花钻 - 三倍径
Universal internal cooling twist drill-3D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D151C	15.1	3D	65	115	16	○
MGP3D152C	15.2	3D	65	115	16	○
MGP3D153C	15.3	3D	65	115	16	○
MGP3D154C	15.4	3D	65	115	16	○
MGP3D155C	15.5	3D	65	115	16	○
MGP3D156C	15.6	3D	65	115	16	○
MGP3D157C	15.7	3D	65	115	16	○
MGP3D158C	15.8	3D	65	115	16	○
MGP3D159C	15.9	3D	65	115	16	○
MGP3D160C	16.0	3D	65	115	16	○
MGP3D161C	16.1	3D	73	123	18	○
MGP3D162C	16.2	3D	73	123	18	○
MGP3D163C	16.3	3D	73	123	18	○
MGP3D164C	16.4	3D	73	123	18	○
MGP3D165C	16.5	3D	73	123	18	○
MGP3D166C	16.6	3D	73	123	18	○
MGP3D167C	16.7	3D	73	123	18	○
MGP3D168C	16.8	3D	73	123	18	○
MGP3D169C	16.9	3D	73	123	18	○
MGP3D170C	17.0	3D	73	123	18	○
MGP3D171C	17.1	3D	73	123	18	○
MGP3D172C	17.2	3D	73	123	18	○
MGP3D173C	17.3	3D	73	123	18	○
MGP3D174C	17.4	3D	73	123	18	○
MGP3D175C	17.5	3D	73	123	18	○
MGP3D176C	17.6	3D	73	123	18	○
MGP3D177C	17.7	3D	73	123	18	○
MGP3D178C	17.8	3D	73	123	18	○
MGP3D179C	17.9	3D	73	123	18	○
MGP3D180C	18.0	3D	73	123	18	○
MGP3D181C	18.1	3D	79	131	20	○
MGP3D182C	18.2	3D	79	131	20	○
MGP3D183C	18.3	3D	79	131	20	○
MGP3D184C	18.4	3D	79	131	20	○
MGP3D185C	18.5	3D	79	131	20	○
MGP3D186C	18.6	3D	79	131	20	○
MGP3D187C	18.7	3D	79	131	20	○
MGP3D188C	18.8	3D	79	131	20	○
MGP3D189C	18.9	3D	79	131	20	○
MGP3D190C	19.0	3D	79	131	20	○
MGP3D191C	19.1	3D	79	131	20	○
MGP3D192C	19.2	3D	79	131	20	○
MGP3D193C	19.3	3D	79	131	20	○
MGP3D194C	19.4	3D	79	131	20	○

通用孔加工
通用型外冷麻花钻系列（MGP）
通用型外冷麻花钻系列（MGPP）
通用型内冷麻花钻系列（MGPC）

通用型内冷麻花钻 - 三倍径
Universal internal cooling twist drill-3D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP3D195C	19.5	3D	79	131	20	○
MGP3D196C	19.6	3D	79	131	20	○
MGP3D197C	19.7	3D	79	131	20	○
MGP3D198C	19.8	3D	79	131	20	○
MGP3D199C	19.9	3D	79	131	20	○
MGP3D200C	20.0	3D	79	131	20	○

库存说明 Inventory description

现货库存 Standing stock ● 预制库存 Off-the-shelf stock ○

产品介绍 /Production Introduction:

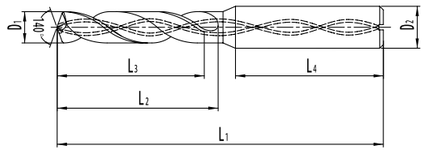
- 优选内冷棒料，冷却好，加工效率高，使用寿命长。
  Preferably internal cooling bar material, good cooling, high processing efficiency, long service life.
- 140°顶角，钻尖公差 h7，柄部公差 h6。
  140° top Angle, drill point tolerance h7, shank tolerance h6.
- 螺旋钻尖结构，钻尖强度高，复杂工况更具优势。
  Auger tip structure, high drill tip strength, more advantages in complex working conditions.
- 钻尖、排屑槽抛光，断屑、排屑更顺畅。
  Drill tip, chip groove polishing, chip breaking, chip removal more smoothly.
- CrAlSi 基涂层，耐磨损，耐高温。
  CrAlSi based coating, abrasion resistance, high temperature resistance.
- 手工钝化，钝化值均匀。
  Manual passivation, uniform passivation value.
- 专业涂层后处理，保证低阻高效加工。
  Professional coating post-treatment to ensure low resistance and efficient processing.

应用范围 /Application scope

- 通用型强，能实现对 P 类软钢、碳钢、合金钢、预硬钢以及 K 类铸铁、球墨铸铁的高效加工。
  Scope of application: strong universal, can realize the efficient processing of P class mild steel, carbon steel, alloy steel, pre-hard steel and K class cast iron, ductile iron.

通用型内冷麻花钻 - 五倍径
Universal internal cooling twist drill-5D





SC | 5xD | D1 h7 | D2 h6

DIN 6535HA | 140° | 30° | R

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D030C	3.0	5D	28	66	4	●
MGP5D031C	3.1	5D	28	66	4	●
MGP5D032C	3.2	5D	28	66	4	●
MGP5D033C	3.3	5D	28	66	4	●
MGP5D034C	3.4	5D	28	66	4	●
MGP5D035C	3.5	5D	28	66	4	●
MGP5D036C	3.6	5D	28	66	4	●
MGP5D037C	3.7	5D	28	66	4	●
MGP5D038C	3.8	5D	36	74	4	●
MGP5D039C	3.9	5D	36	74	4	●
MGP5D040C	4.0	5D	36	74	4	●
MGP5D041C	4.1	5D	36	74	6	●
MGP5D042C	4.2	5D	36	74	6	●
MGP5D043C	4.3	5D	36	74	6	●
MGP5D044C	4.4	5D	36	74	6	●
MGP5D045C	4.5	5D	36	74	6	●
MGP5D046C	4.6	5D	36	74	6	●
MGP5D047C	4.7	5D	36	74	6	●
MGP5D048C	4.8	5D	44	82	6	●
MGP5D049C	4.9	5D	44	82	6	●
MGP5D050C	5.0	5D	44	82	6	●
MGP5D051C	5.1	5D	44	82	6	●
MGP5D052C	5.2	5D	44	82	6	●
MGP5D053C	5.3	5D	44	82	6	●
MGP5D054C	5.4	5D	44	82	6	●
MGP5D055C	5.5	5D	44	82	6	●
MGP5D056C	5.6	5D	44	82	6	●
MGP5D057C	5.7	5D	44	82	6	●
MGP5D058C	5.8	5D	44	82	6	●
MGP5D059C	5.9	5D	44	82	6	●
MGP5D060C	6.0	5D	44	82	6	●
MGP5D061C	6.1	5D	53	91	8	●
MGP5D062C	6.2	5D	53	91	8	●

通用型内冷麻花钻 - 五倍径
Universal internal cooling twist drill-5D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D063C	6.3	5D	53	91	8	●
MGP5D064C	6.4	5D	53	91	8	●
MGP5D065C	6.5	5D	53	91	8	●
MGP5D066C	6.6	5D	53	91	8	●
MGP5D067C	6.7	5D	53	91	8	●
MGP5D068C	6.8	5D	53	91	8	●
MGP5D069C	6.9	5D	53	91	8	●
MGP5D070C	7.0	5D	53	91	8	●
MGP5D071C	7.1	5D	53	91	8	●
MGP5D072C	7.2	5D	53	91	8	●
MGP5D073C	7.3	5D	53	91	8	●
MGP5D074C	7.4	5D	53	91	8	●
MGP5D075C	7.5	5D	53	91	8	●
MGP5D076C	7.6	5D	53	91	8	●
MGP5D077C	7.7	5D	53	91	8	●
MGP5D078C	7.8	5D	53	91	8	●
MGP5D079C	7.9	5D	53	91	8	●
MGP5D080C	8.0	5D	53	91	8	●
MGP5D081C	8.1	5D	61	103	10	●
MGP5D082C	8.2	5D	61	103	10	●
MGP5D083C	8.3	5D	61	103	10	●
MGP5D084C	8.4	5D	61	103	10	●
MGP5D085C	8.5	5D	61	103	10	●
MGP5D086C	8.6	5D	61	103	10	●
MGP5D087C	8.7	5D	61	103	10	●
MGP5D088C	8.8	5D	61	103	10	●
MGP5D089C	8.9	5D	61	103	10	●
MGP5D090C	9.0	5D	61	103	10	●
MGP5D091C	9.1	5D	61	103	10	●
MGP5D092C	9.2	5D	61	103	10	●
MGP5D093C	9.3	5D	61	103	10	●
MGP5D094C	9.4	5D	61	103	10	●
MGP5D095C	9.5	5D	61	103	10	●
MGP5D096C	9.6	5D	61	103	10	●
MGP5D097C	9.7	5D	61	103	10	●
MGP5D098C	9.8	5D	61	103	10	●
MGP5D099C	9.9	5D	61	103	10	●
MGP5D100C	10.0	5D	61	103	10	●
MGP5D101C	10.1	5D	71	118	12	●
MGP5D102C	10.2	5D	71	118	12	●
MGP5D103C	10.3	5D	71	118	12	●
MGP5D104C	10.4	5D	71	118	12	●
MGP5D105C	10.5	5D	71	118	12	●
MGP5D106C	10.6	5D	71	118	12	●

通用型内冷麻花钻 - 五倍径
Universal internal cooling twist drill-5D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D107C	10.7	5D	71	118	12	●
MGP5D108C	10.8	5D	71	118	12	●
MGP5D109C	10.9	5D	71	118	12	●
MGP5D110C	11.0	5D	71	118	12	●
MGP5D111C	11.1	5D	71	118	12	●
MGP5D112C	11.2	5D	71	118	12	●
MGP5D113C	11.3	5D	71	118	12	●
MGP5D114C	11.4	5D	71	118	12	●
MGP5D115C	11.5	5D	71	118	12	●
MGP5D116C	11.6	5D	71	118	12	●
MGP5D117C	11.7	5D	71	118	12	●
MGP5D118C	11.8	5D	71	118	12	●
MGP5D119C	11.9	5D	71	118	12	●
MGP5D120C	12.0	5D	71	118	12	●
MGP5D121C	12.1	5D	77	124	14	●
MGP5D122C	12.2	5D	77	124	14	●
MGP5D123C	12.3	5D	77	124	14	●
MGP5D124C	12.4	5D	77	124	14	●
MGP5D125C	12.5	5D	77	124	14	●
MGP5D126C	12.6	5D	77	124	14	●
MGP5D127C	12.7	5D	77	124	14	●
MGP5D128C	12.8	5D	77	124	14	●
MGP5D129C	12.9	5D	77	124	14	●
MGP5D130C	13.0	5D	77	124	14	●
MGP5D131C	13.1	5D	77	124	14	●
MGP5D132C	13.2	5D	77	124	14	●
MGP5D133C	13.3	5D	77	124	14	●
MGP5D134C	13.4	5D	77	124	14	●
MGP5D135C	13.5	5D	77	124	14	●
MGP5D136C	13.6	5D	77	124	14	●
MGP5D137C	13.7	5D	77	124	14	●
MGP5D138C	13.8	5D	77	124	14	●
MGP5D139C	13.9	5D	77	124	14	●
MGP5D140C	14.0	5D	77	124	14	●
MGP5D141C	14.1	5D	83	133	16	○
MGP5D142C	14.2	5D	83	133	16	○
MGP5D143C	14.3	5D	83	133	16	○
MGP5D144C	14.4	5D	83	133	16	○
MGP5D145C	14.5	5D	83	133	16	○
MGP5D146C	14.6	5D	83	133	16	○
MGP5D147C	14.7	5D	83	133	16	○
MGP5D148C	14.8	5D	83	133	16	○
MGP5D149C	14.9	5D	83	133	16	○
MGP5D150C	15.0	5D	83	133	16	○

通用型内冷麻花钻 - 五倍径
Universal internal cooling twist drill-5D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D151C	15.1	5D	83	133	16	○
MGP5D152C	15.2	5D	83	133	16	○
MGP5D153C	15.3	5D	83	133	16	○
MGP5D154C	15.4	5D	83	133	16	○
MGP5D155C	15.5	5D	83	133	16	○
MGP5D156C	15.6	5D	83	133	16	○
MGP5D157C	15.7	5D	83	133	16	○
MGP5D158C	15.8	5D	83	133	16	○
MGP5D159C	15.9	5D	83	133	16	○
MGP5D160C	16.0	5D	83	133	16	○
MGP5D161C	16.1	5D	93	143	18	○
MGP5D162C	16.2	5D	93	143	18	○
MGP5D163C	16.3	5D	93	143	18	○
MGP5D164C	16.4	5D	93	143	18	○
MGP5D165C	16.5	5D	93	143	18	○
MGP5D166C	16.6	5D	93	143	18	○
MGP5D167C	16.7	5D	93	143	18	○
MGP5D168C	16.8	5D	93	143	18	○
MGP5D169C	16.9	5D	93	143	18	○
MGP5D170C	17.0	5D	93	143	18	○
MGP5D171C	17.1	5D	93	143	18	○
MGP5D172C	17.2	5D	93	143	18	○
MGP5D173C	17.3	5D	93	143	18	○
MGP5D174C	17.4	5D	93	143	18	○
MGP5D175C	17.5	5D	93	143	18	○
MGP5D176C	17.6	5D	93	143	18	○
MGP5D177C	17.7	5D	93	143	18	○
MGP5D178C	17.8	5D	93	143	18	○
MGP5D179C	17.9	5D	93	143	18	○
MGP5D180C	18.0	5D	93	143	18	○
MGP5D181C	18.1	5D	101	153	20	○
MGP5D182C	18.2	5D	101	153	20	○
MGP5D183C	18.3	5D	101	153	20	○
MGP5D184C	18.4	5D	101	153	20	○
MGP5D185C	18.5	5D	101	153	20	○
MGP5D186C	18.6	5D	101	153	20	○
MGP5D187C	18.7	5D	101	153	20	○
MGP5D188C	18.8	5D	101	153	20	○
MGP5D189C	18.9	5D	101	153	20	○
MGP5D190C	19.0	5D	101	153	20	○
MGP5D191C	19.1	5D	101	153	20	○
MGP5D192C	19.2	5D	101	153	20	○
MGP5D193C	19.3	5D	101	153	20	○
MGP5D194C	19.4	5D	101	153	20	○

通用孔加工
通用型外冷麻花钻系列（MGP）
通用型外冷麻花钻系列（MGPP）
通用型内冷麻花钻系列（MGPC）

通用型内冷麻花钻 - 五倍径
Universal internal cooling twist drill-5D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP5D195C	19.5	5D	101	153	20	○
MGP5D196C	19.6	5D	101	153	20	○
MGP5D197C	19.7	5D	101	153	20	○
MGP5D198C	19.8	5D	101	153	20	○
MGP5D199C	19.9	5D	101	153	20	○
MGP5D200C	20.0	5D	101	153	20	○

库存说明 Inventory description

现货库存 Standing stock ● 预制库存 Off-the-shelf stock ○

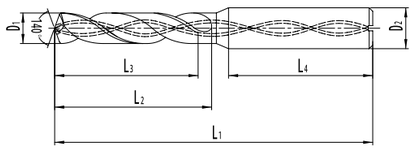
产品介绍 /Production Introduction:

- 优选内冷棒料，冷却好，加工效率高，使用寿命长。
  Preferably internal cooling bar material, good cooling, high processing efficiency, long service life.
- 140°顶角，钻尖公差 h7，柄部公差 h6。
  140° top Angle, drill point tolerance h7, shank tolerance h6.
- 螺旋钻尖结构，钻尖强度高，复杂工况更具优势。
  Auger tip structure, high drill tip strength, more advantages in complex working conditions.
- 钻尖、排屑槽抛光，断屑、排屑更顺畅。
  Drill tip, chip groove polishing, chip breaking, chip removal more smoothly.
- CrAlSi 基涂层，耐磨损，耐高温。
  CrAlSi based coating, abrasion resistance, high temperature resistance.
- 手工钝化，钝化值均匀。
  Manual passivation, uniform passivation value.
- 专业涂层后处理，保证低阻高效加工。
  Professional coating post-treatment to ensure low resistance and efficient processing.

应用范围 /Application Range

- 通用型强，能实现对 P 类软钢、碳钢、合金钢、预硬钢以及 K 类铸铁、球墨铸铁的高效加工。
  Scope of application: strong universal, can realize the efficient processing of P class mild steel, carbon steel, alloy steel, pre-hard steel and K class cast iron, ductile iron.

通用型内冷麻花钻 - 八倍径
Universal internal cooling twist drill-8D



SC | 8xD |  | D1 h7 | D2 h6 | DIN 6535HA |  |  | 

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP8D030C	3.0	8D	34	72	6	○
MGP8D031C	3.1	8D	34	72	6	○
MGP8D032C	3.2	8D	34	72	6	○
MGP8D033C	3.3	8D	34	72	6	○
MGP8D034C	3.4	8D	34	72	6	○
MGP8D035C	3.5	8D	34	72	6	○
MGP8D036C	3.6	8D	34	72	6	○
MGP8D037C	3.7	8D	34	72	6	○
MGP8D038C	3.8	8D	43	81	6	○
MGP8D039C	3.9	8D	43	81	6	○
MGP8D040C	4.0	8D	43	81	6	○
MGP8D041C	4.1	8D	43	81	6	○
MGP8D042C	4.2	8D	43	81	6	○
MGP8D043C	4.3	8D	43	81	6	○
MGP8D044C	4.4	8D	43	81	6	○
MGP8D045C	4.5	8D	43	81	6	○
MGP8D046C	4.6	8D	43	81	6	○
MGP8D047C	4.7	8D	43	81	6	○
MGP8D048C	4.8	8D	57	95	6	○
MGP8D049C	4.9	8D	57	95	6	○
MGP8D050C	5.0	8D	57	95	6	○
MGP8D051C	5.1	8D	57	95	6	○
MGP8D052C	5.2	8D	57	95	6	○
MGP8D053C	5.3	8D	57	95	6	○
MGP8D054C	5.4	8D	57	95	6	○
MGP8D055C	5.5	8D	57	95	6	○
MGP8D056C	5.6	8D	57	95	6	○
MGP8D057C	5.7	8D	57	95	6	○
MGP8D058C	5.8	8D	57	95	6	○
MGP8D059C	5.9	8D	57	95	6	○
MGP8D060C	6.0	8D	57	95	6	○
MGP8D061C	6.1	8D	76	114	8	○
MGP8D062C	6.2	8D	76	114	8	○
MGP8D063C	6.3	8D	76	114	8	○
MGP8D064C	6.4	8D	76	114	8	○
MGP8D065C	6.5	8D	76	114	8	○

通用型内冷麻花钻 - 八倍径
Universal internal cooling twist drill-8D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP8D066C	6.6	8D	76	114	8	○
MGP8D067C	6.7	8D	76	114	8	○
MGP8D068C	6.8	8D	76	114	8	○
MGP8D069C	6.9	8D	76	114	8	○
MGP8D070C	7.0	8D	76	114	8	○
MGP8D071C	7.1	8D	76	116	8	○
MGP8D072C	7.2	8D	76	116	8	○
MGP8D073C	7.3	8D	76	116	8	○
MGP8D074C	7.4	8D	76	116	8	○
MGP8D075C	7.5	8D	76	116	8	○
MGP8D076C	7.6	8D	76	116	8	○
MGP8D077C	7.7	8D	76	116	8	○
MGP8D078C	7.8	8D	76	116	8	○
MGP8D079C	7.9	8D	76	116	8	○
MGP8D080C	8.0	8D	76	116	8	○
MGP8D081C	8.1	8D	95	142	10	○
MGP8D082C	8.2	8D	95	142	10	○
MGP8D083C	8.3	8D	95	142	10	○
MGP8D084C	8.4	8D	95	142	10	○
MGP8D085C	8.5	8D	95	142	10	○
MGP8D086C	8.6	8D	95	142	10	○
MGP8D087C	8.7	8D	95	142	10	○
MGP8D088C	8.8	8D	95	142	10	○
MGP8D089C	8.9	8D	95	142	10	○
MGP8D090C	9.0	8D	95	142	10	○
MGP8D091C	9.1	8D	95	142	10	○
MGP8D092C	9.2	8D	95	142	10	○
MGP8D093C	9.3	8D	95	142	10	○
MGP8D094C	9.4	8D	95	142	10	○
MGP8D095C	9.5	8D	95	142	10	○
MGP8D096C	9.6	8D	95	142	10	○
MGP8D097C	9.7	8D	95	142	10	○
MGP8D098C	9.8	8D	95	142	10	○
MGP8D099C	9.9	8D	95	142	10	○
MGP8D100C	10.0	8D	95	142	10	○
MGP8D101C	10.1	8D	114	162	12	○
MGP8D102C	10.2	8D	114	162	12	○
MGP8D103C	10.3	8D	114	162	12	○
MGP8D104C	10.4	8D	114	162	12	○
MGP8D105C	10.5	8D	114	162	12	○
MGP8D106C	10.6	8D	114	162	12	○
MGP8D107C	10.7	8D	114	162	12	○
MGP8D108C	10.8	8D	114	162	12	○
MGP8D109C	10.9	8D	114	162	12	○

通用孔加工
通用型外冷麻花钻系列（MGP）
通用型外冷麻花钻系列（MGPP）
通用型内冷麻花钻系列（MGPC）

通用型内冷麻花钻 - 八倍径
Universal internal cooling twist drill-8D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP8D110C	11.0	8D	114	162	12	○
MGP8D111C	11.1	8D	114	162	12	○
MGP8D112C	11.2	8D	114	162	12	○
MGP8D113C	11.3	8D	114	162	12	○
MGP8D114C	11.4	8D	114	162	12	○
MGP8D115C	11.5	8D	114	162	12	○
MGP8D116C	11.6	8D	114	162	12	○
MGP8D117C	11.7	8D	114	162	12	○
MGP8D118C	11.8	8D	114	162	12	○
MGP8D119C	11.9	8D	114	162	12	○
MGP8D120C	12.0	8D	114	162	12	○
MGP8D121C	12.1	8D	133	178	14	○
MGP8D122C	12.2	8D	133	178	14	○
MGP8D123C	12.3	8D	133	178	14	○
MGP8D124C	12.4	8D	133	178	14	○
MGP8D125C	12.5	8D	133	178	14	○
MGP8D126C	12.6	8D	133	178	14	○
MGP8D127C	12.7	8D	133	178	14	○
MGP8D128C	12.8	8D	133	178	14	○
MGP8D129C	12.9	8D	133	178	14	○
MGP8D130C	13.0	8D	133	178	14	○
MGP8D131C	13.1	8D	133	178	14	○
MGP8D132C	13.2	8D	133	178	14	○
MGP8D133C	13.3	8D	133	178	14	○
MGP8D134C	13.4	8D	133	178	14	○
MGP8D135C	13.5	8D	133	178	14	○
MGP8D136C	13.6	8D	133	178	14	○
MGP8D137C	13.7	8D	133	178	14	○
MGP8D138C	13.8	8D	133	178	14	○
MGP8D139C	13.9	8D	133	178	14	○
MGP8D140C	14.0	8D	133	178	14	○
MGP8D141C	14.1	8D	152	204	16	○
MGP8D142C	14.2	8D	152	204	16	○
MGP8D143C	14.3	8D	152	204	16	○
MGP8D144C	14.4	8D	152	204	16	○
MGP8D145C	14.5	8D	152	204	16	○
MGP8D146C	14.6	8D	152	204	16	○
MGP8D147C	14.7	8D	152	204	16	○
MGP8D148C	14.8	8D	152	204	16	○
MGP8D149C	14.9	8D	152	204	16	○
MGP8D150C	15.0	8D	152	204	16	○
MGP8D151C	15.1	8D	152	204	16	○
MGP8D152C	15.2	8D	152	204	16	○
MGP8D153C	15.3	8D	152	204	16	○

通用型内冷麻花钻 - 八倍径
Universal internal cooling twist drill-8D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP8D154C	15.4	8D	152	204	16	○
MGP8D155C	15.5	8D	152	204	16	○
MGP8D156C	15.6	8D	152	204	16	○
MGP8D157C	15.7	8D	152	204	16	○
MGP8D158C	15.8	8D	152	204	16	○
MGP8D159C	15.9	8D	152	204	16	○
MGP8D160C	16.0	8D	152	204	16	○
MGP8D161C	16.1	8D	171	223	18	○
MGP8D162C	16.2	8D	171	223	18	○
MGP8D163C	16.3	8D	171	223	18	○
MGP8D164C	16.4	8D	171	223	18	○
MGP8D165C	16.5	8D	171	223	18	○
MGP8D166C	16.6	8D	171	223	18	○
MGP8D167C	16.7	8D	171	223	18	○
MGP8D168C	16.8	8D	171	223	18	○
MGP8D169C	16.9	8D	171	223	18	○
MGP8D170C	17.0	8D	171	223	18	○
MGP8D171C	17.1	8D	171	223	18	○
MGP8D172C	17.2	8D	171	223	18	○
MGP8D173C	17.3	8D	171	223	18	○
MGP8D174C	17.4	8D	171	223	18	○
MGP8D175C	17.5	8D	171	223	18	○
MGP8D176C	17.6	8D	171	223	18	○
MGP8D177C	17.7	8D	171	223	18	○
MGP8D178C	17.8	8D	171	223	18	○
MGP8D179C	17.9	8D	171	223	18	○
MGP8D180C	18.0	8D	171	223	18	○
MGP8D181C	18.1	8D	198	250	20	○
MGP8D182C	18.2	8D	198	250	20	○
MGP8D183C	18.3	8D	198	250	20	○
MGP8D184C	18.4	8D	198	250	20	○
MGP8D185C	18.5	8D	198	250	20	○
MGP8D186C	18.6	8D	198	250	20	○
MGP8D187C	18.7	8D	198	250	20	○
MGP8D188C	18.8	8D	198	250	20	○
MGP8D189C	18.9	8D	198	250	20	○
MGP8D190C	19.0	8D	198	250	20	○
MGP8D191C	19.1	8D	198	250	20	○
MGP8D192C	19.2	8D	198	250	20	○
MGP8D193C	19.3	8D	198	250	20	○
MGP8D194C	19.4	8D	198	250	20	○
MGP8D195C	19.5	8D	198	250	20	○
MGP8D196C	19.6	8D	198	250	20	○
MGP8D197C	19.7	8D	198	250	20	○

通用型内冷麻花钻 - 八倍径
Universal internal cooling twist drill-8D

编码 (Code)	刃径 (D1)	倍径 (/D)	槽长 (L2)	总长 (L1)	柄径 (D2)	库存 (STOCK)
MGP8D198C	19.8	8D	198	250	20	○
MGP8D199C	19.9	8D	198	250	20	○
MGP8D200C	20.0	8D	198	250	20	○

■ 库存说明 Inventory description

现货库存 Standing stock ● 预制库存 Off-the-shelf stock ○

产品介绍 /Production Introduction:

- 按客户实际加工要求设计生产。
  Product Introduction: Designed and produced according to the actual processing requirements of customers.

应用范围 /Application Range

- 按客户实际加工要求设计生产。
  Product Introduction: Designed and produced according to the actual processing requirements of customers.

注意事项 /Important notes:

- 要先用引导钻，钻深不小于 2×D 深度。
  To first use guided drilling, drilling depth is not less than 2×D depth.
- 引导钻的顶角比深孔钻大 3° -5°。
  The top Angle of the guide drill is 3° to 5° larger than that of the deep hole drill.
- 引导钻的直径比深孔钻大 0.02mm-0.03mm。
  The diameter of the guide drill is 0.02mm to 0.03mm larger than that of the deep hole drill.
- 进刀时参数要慢，当深孔钻完全进入引导孔后，再开冷却液。
  Feed parameters should be slow, when the deep hole drill fully into the pilot hole, then open the coolant.
- 加工参数要合适，通孔加工时，出口时进给要降低 50%。
  The processing parameters should be suitable, and the feed should be reduced by 50% when the hole is processed.
- 要正确退刀。
  The cutter must be returned correctly.