ANSTER

Інжинірингові рішення для промислового виробництва та металообробки

КАТАЛОГ
СВЕРДЛИЛЬНИЙ ІНСТРУМЕНТ

ВИСОКА ТОЧНІСТЬ
та стабільність

НАДІЙНІСТЬ
у кожній деталі

РІШЕННЯ ПІД ВАШІ
виробничі завдання



E 001

АНСТЕР

Інжинірингові рішення для промислового виробництва та металообробки

ТВЕРДОСПЛАВНІ СВЕРДЛА

Інструментальна оснастка для високоточної металообробки

E 硬质合金刀具
SOLID CARBIDE TOOLS

整体硬质合金钻头系列
Solid Carbide Drills

整体硬质合金定心钻 E 003
Solid Carbide Pilot Dril

DF 硬质合金外冷钻头（3xD） E 004
Solid Carbide Drill with External Coolant (3xD)

DF 硬质合金内冷钻头（3xD） E 006
Solid Carbide Drill with Internal Coolant (3xD)

DF 硬质合金外冷钻头（5xD） E 008
Solid Carbide Drill with External Coolant (5xD)

DF 硬质合金内冷钻头（5xD） E 010
Solid Carbide Drill with Internal Coolant (5xD)

DF 硬质合金外冷三刃钻 E 012
Solid Carbide Drill with External Coolant / 3 Flutes

DF 硬质合金内冷三刃钻 E 014
Solid Carbide Drill with Internal Coolant / 3 Flutes

整体硬质合金外冷钻头(3xD) E 016
Solid Carbide Drill with External Coolant (3xD)

整体硬质合金内冷钻头(3xD) E 018
Solid Carbide Drill with Internal Coolant (3xD)

整体硬质合金外冷钻头(5xD) E 020
Solid Carbide Drill with External Coolant (5xD)

整体硬质合金内冷钻头(5xD) E 022
Solid Carbide Drill with Internal Coolant (5xD)

整体硬质合金内冷钻头(8xD) E 024
Solid Carbide Drill with Internal Coolant (8xD)

整体硬质合金内冷钻头(12xD) E 026
Solid Carbide Drill with Internal Coolant (12xD)

整体硬质合金内冷钻头(20xD) E 027
Solid Carbide Drill with Internal Coolant (20xD)

深孔加工推荐钻削步骤(20xD) E 028
Recommended Drilling Procedure for Deep Hole Drilling (20xD)

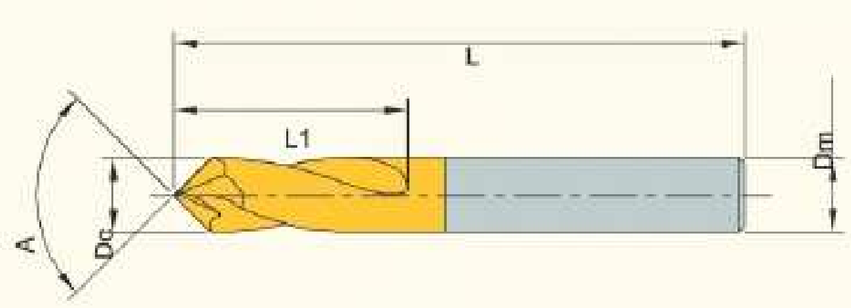
整体硬质合金钻头推荐钻削参数(20xD) E 028
Recommended Drilling Conditions for Solid Carbide Drills (20xD)

整体硬质合金铸铁中硬钢SG832高速钻头 E 029
Solid Carbide Cast Iron High-Speed Drill Bit for Hard Steel SG832

SOLID CARBIDE DRILLS

整体硬质合金钻头系列

整体硬质合金定心钻
Solid Carbide Pilot Drill



规格型号 Designation	基本尺寸 Dimension					在库 Stock
	刃径 Diameter	顶角 Apical angle	槽长 Slot length	总长 Total length	柄径 Shank diameter	
	Dc	A	L1	L	Dm	SG830
DXA D050.012.062.C05	5	90	12	62	5	◐
DXB D050.012.062.C05	5	120	12	62	5	◐
DXA D060.015.066.C06	6	90	15	66	6	◐
DXB D060.015.066.C06	6	120	15	66	6	◐
DXA D080.020.079.C08	8	90	20	79	8	◐
DXB D080.020.079.C08	8	120	20	79	8	◐
DXA D100.025.089.C10	10	90	25	89	10	◐
DXB D100.025.089.C10	10	120	25	89	10	◐
DXA D120.030.102.C12	12	90	30	102	12	◐
DXB.D120.030.102.C12	12	120	30	102	12	◐
DXA D140.035.107.C14	14	90	35	107	14	◐
DXB D140.035.107.C14	14	120	35	107	14	◐
DXA D160.040.115.C16	16	90	40	115	16	◐

- 可根据用户的加工要求制造。
- Provide customized service.

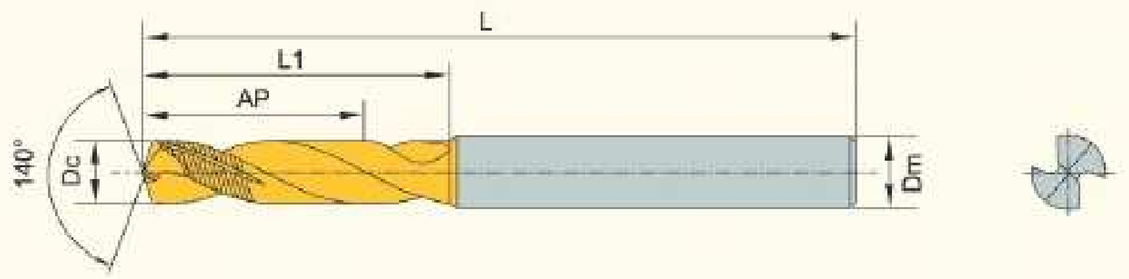
● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
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DF 硬质合金外冷钻头(3×D)
Solid Carbide Drill with External Coolant (3xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DF170 D030.014.062.C06	3	20	14	62	6	◐	◐
DF170 D033.014.062.C06	3.3	20	14	62	6	◐	◐
DF170 D037.014.062.C06	3.7	20	14	62	6	◐	◐
DF170 D038.017.066.C06	3.8	24	17	66	6	◐	◐
DF170 D040.017.066.C06	4	24	17	66	6	◐	◐
DF170 D042.017.066.C06	4.2	24	17	66	6	◐	◐
DF170 D047.017.066.C06	4.7	24	17	66	6	◐	◐
DF170 D050.020.066.C06	5	28	20	66	6	◐	◐
DF170 D056.020.066.C06	5.6	28	20	66	6	◐	◐
DF170 D057.020.066.C06	5.7	28	20	66	6	◐	◐
DF170 D060.020.066.C06	6	28	20	66	6	◐	◐
DF170 D068.024.079.C08	6.8	34	24	79	8	◐	◐
DF170 D070.024.079.C08	7	34	24	79	8	◐	◐
DF170 D075.029.079.C08	7.5	41	29	79	8	◐	◐
DF170 D077.029.079.C08	7.7	41	29	79	8	◐	◐
DF170 D080.029.079.C08	8	41	29	79	8	◐	◐
DF170 D085.035.089.C10	8.5	47	35	89	10	◐	◐
DF170 D090.035.089.C10	9	47	35	89	10	◐	◐
DF170 D094.035.089.C10	9.4	47	35	89	10	◐	◐
DF170 D096.035.089.C10	9.6	47	35	89	10	◐	◐
DF170 D100.035.089.C10	10	47	35	89	10	◐	◐

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Item in stock

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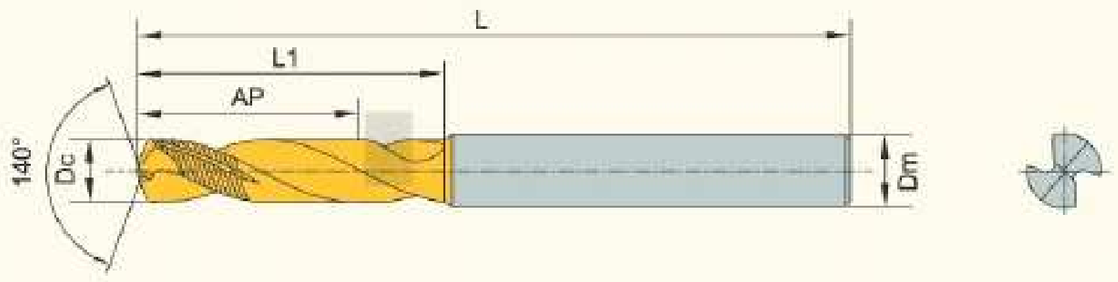
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金外冷钻头(3×D)

Solid Carbide Drill with External Coolant (3xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DF170 D102.040.102.C12	10.2	55	40	102	12	◐	◐
DF170 D105.040.102.C12	10.5	55	40	102	12	◐	◐
DF170 D110.040.102.C12	11	55	40	102	12	◐	◐
DF170 D113.040.102.C12	11.3	55	40	102	12	◐	◐
DF170 D114.040.102.C12	11.4	55	40	102	12	◐	◐
DF170 D116.040.102.C12	11.6	55	40	102	12	◐	◐
DF170 D120.040.102.C12	12	55	40	102	12	◐	◐
DF170 D125.043.107.C14	12.5	60	43	107	14	◐	◐
DF170 D128.043.107.C14	12.8	60	43	107	14	◐	◐
DF170 D130.043.107.C14	13	60	43	107	14	◐	◐
DF170 D131.043.107.C14	13.1	60	43	107	14	◐	◐
DF170 D134.043.107.C14	13.4	60	43	107	14	◐	◐
DF170 D136.043.107.C14	13.6	60	43	107	14	◐	◐
DF170 D140.043.107.C14	14	60	43	107	14	◐	◐
DF170 D145.045.115.C16	14.5	65	45	115	16	◐	◐
DF170 D150.045.115.C16	15	65	45	115	16	◐	◐
DF170 D151.045.115.C16	15.1	65	45	115	16	◐	◐
DF170 D154.045.115.C16	15.4	65	45	115	16	◐	◐
DF170 D156.045.115.C16	15.6	65	45	115	16	◐	◐
DF170 D160.045.115.C16	16	65	45	115	16	◐	◐
DF170 D165.051.123.C18	16.5	73	51	123	18	◐	◐
DF170 D169.051.123.C18	16.9	73	51	123	18	◐	◐
DF170 D170.051.123.C18	17	73	51	123	18	◐	◐
DF170 D171.051.123.C18	17.1	73	51	123	18	◐	◐
DF170 D175.051.123.C18	17.5	73	51	123	18	◐	◐
DF170 D176.051.123.C18	17.6	73	51	123	18	◐	◐
DF170 D180.051.123.C18	18	73	51	123	18	◐	◐
DF170 D185.055.131.C20	18.5	79	55	131	20	◐	◐
DF170 D189.055.131.C20	18.9	79	55	131	20	◐	◐
DF170 D190.055.131.C20	19	79	55	131	20	◐	◐
DF170 D200.055.131.C20	20	79	55	131	20	◐	◐

• 可根据用户的加工要求制造。

• Provide customized service.

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Item in stock

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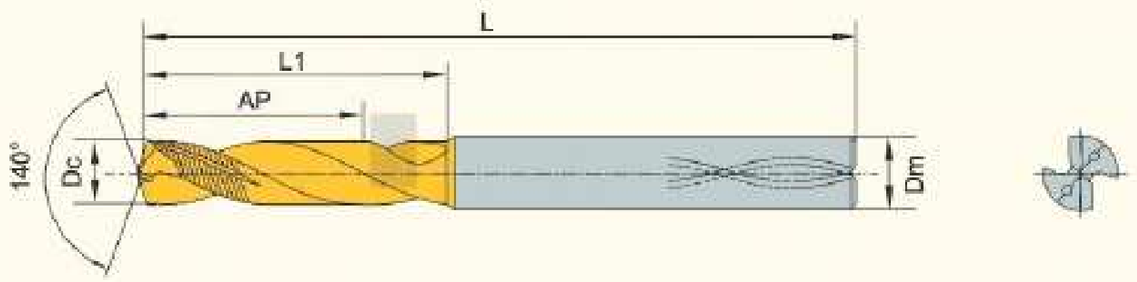
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金内冷钻头(3×D)

Solid Carbide Drill with Internal Coolant (3xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DFC170 D030.014.062.C06	3	20	14	62	6	◐	◐
DFC170 D033.014.062.C06	3.3	20	14	62	6	◐	◐
DFC170 D037.014.062.C06	3.7	20	14	62	6	◐	◐
DFC170 D038.017.066.C06	3.8	24	17	66	6	◐	◐
DFC170 D040.017.066.C06	4	24	17	66	6	◐	◐
DFC170 D042.017.066.C06	4.2	24	17	66	6	◐	◐
DFC170 D047.017.066.C06	4.7	24	17	66	6	◐	◐
DFC170 D050.020.066.C06	5	28	20	66	6	◐	◐
DFC170 D056.020.066.C06	5.6	28	20	66	6	◐	◐
DFC170 D057.020.066.C06	5.7	28	20	66	6	◐	◐
DFC170 D060.020.066.C06	6	28	20	66	6	◐	◐
DFC170 D068.024.079.C08	6.8	34	24	79	8	◐	◐
DFC170 D070.024.079.C08	7	34	24	79	8	◐	◐
DFC170 D075.029.079.C08	7.5	41	29	79	8	◐	◐
DFC170 D077.029.079.C08	7.7	41	29	79	8	◐	◐
DFC170 D080.029.079.C08	8	41	29	79	8	◐	◐
DFC170 D085.035.089.C10	8.5	47	35	89	10	◐	◐
DFC170 D090.035.089.C10	9	47	35	89	10	◐	◐
DFC170 D094.035.089.C10	9.4	47	35	89	10	◐	◐
DFC170 D096.035.089.C10	9.6	47	35	89	10	◐	◐
DFC170 D100.035.089.C10	10	47	35	89	10	◐	◐
DFC170 D102.040.102.C12	10.2	55	40	102	12	◐	◐
DFC170 D105.040.102.C12	10.5	55	40	102	12	◐	◐
DFC170 D110.040.102.C12	11	55	40	102	12	◐	◐
DFC170 D113.040.102.C12	11.3	55	40	102	12	◐	◐
DFC170 D114.040.102.C12	11.4	55	40	102	12	◐	◐
DFC170 D116.040.102.C12	11.6	55	40	102	12	◐	◐

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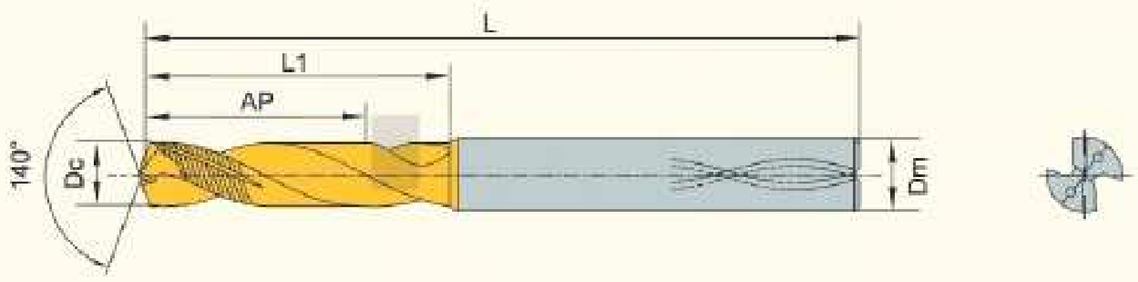
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金内冷钻头(3×D)

Solid Carbide Drill with Internal Coolant (3xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DFC170 D120.040.102.C12	12	55	40	102	12	◐	◐
DFC170 D125.043.107.C14	12.5	60	43	107	14	◐	◐
DFC170 D128.043.107.C14	12.8	60	43	107	14	◐	◐
DFC170 D130.043.107.C14	13	60	43	107	14	◐	◐
DFC170 D131.043.107.C14	13.1	60	43	107	14	◐	◐
DFC170 D134.043.107.C14	13.4	60	43	107	14	◐	◐
DFC170 D136.043.107.C14	13.6	60	43	107	14	◐	◐
DFC170 D140.043.107.C14	14	60	43	107	14	◐	◐
DFC170 D145.045.115.C16	14.5	65	45	115	16	◐	◐
DFC170 D150.045.115.C16	15	65	45	115	16	◐	◐
DFC170 D151.045.115.C16	15.1	65	45	115	16	◐	◐
DFC170 D154.045.115.C16	15.4	65	45	115	16	◐	◐
DFC170 D156.045.115.C16	15.6	65	45	115	16	◐	◐
DFC170 D160.045.115.C16	16	65	45	115	16	◐	◐
DFC170 D165.051.123.C18	16.5	73	51	123	18	◐	◐
DFC170 D169.051.123.C18	16.9	73	51	123	18	◐	◐
DFC170 D170.051.123.C18	17	73	51	123	18	◐	◐
DFC170 D171.051.123.C18	17.1	73	51	123	18	◐	◐
DFC170 D175.051.123.C18	17.5	73	51	123	18	◐	◐
DFC170 D176.051.123.C18	17.6	73	51	123	18	◐	◐
DFC170 D180.051.123.C18	18	73	51	123	18	◐	◐
DFC170 D185.055.131.C20	18.5	79	55	131	20	◐	◐
DFC170 D189.055.131.C20	18.9	79	55	131	20	◐	◐
DFC170 D190.055.131.C20	19	79	55	131	20	◐	◐
DFC170 D200.055.131.C20	20	79	55	131	20	◐	◐

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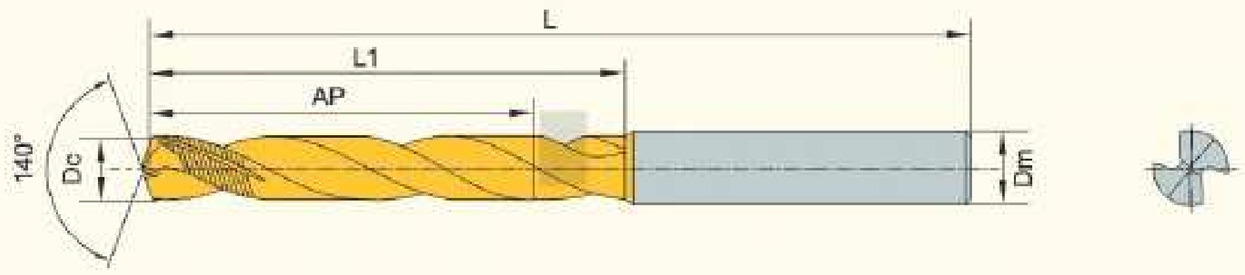
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金外冷钻头(5×D)

Solid Carbide Drill with External Coolant (5xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DF170 D030.023.066.C06	3	28	23	66	6	◐	◐
DF170 D033.023.066.C06	3.3	28	23	66	6	◐	◐
DF170 D037.023.066.C06	3.7	28	23	66	6	◐	◐
DF170 D038.029.074.C06	3.8	36	29	74	6	◐	◐
DF170 D040.029.074.C06	4	36	29	74	6	◐	◐
DF170 D042.029.074.C06	4.2	36	29	74	6	◐	◐
DF170 D047.029.074.C06	4.7	36	29	74	6	◐	◐
DF170 D050.035.082.C06	5	44	35	82	6	◐	◐
DF170 D056.035.082.C06	5.6	44	35	82	6	◐	◐
DF170 D057.035.082.C06	5.7	44	35	82	6	◐	◐
DF170 D060.035.082.C06	6	44	35	82	6	◐	◐
DF170 D068.043.091.C08	6.8	53	43	91	8	◐	◐
DF170 D070.043.091.C08	7	53	43	91	8	◐	◐
DF170 D075.043.091.C08	7.5	53	43	91	8	◐	◐
DF170 D077.043.091.C08	7.7	53	43	91	8	◐	◐
DF170 D080.043.091.C08	8	53	43	91	8	◐	◐
DF170 D085.049.103.C10	8.5	61	49	103	10	◐	◐
DF170 D090.049.103.C10	9	61	49	103	10	◐	◐
DF170 D094.049.103.C10	9.4	61	49	103	10	◐	◐
DF170 D096.049.103.C10	9.6	61	49	103	10	◐	◐
DF170 D100.049.103.C10	10	61	49	103	10	◐	◐
DF170 D102.056.118.C12	10.2	71	56	118	12	◐	◐
DF170 D105.056.118.C12	10.5	71	56	118	12	◐	◐
DF170 D110.056.118.C12	11	71	56	118	12	◐	◐
DF170 D113.056.118.C12	11.3	71	56	118	12	◐	◐
DF170 D114.056.118.C12	11.4	71	56	118	12	◐	◐
DF170 D116.056.118.C12	11.6	71	56	118	12	◐	◐
DF170 D120.056.118.C12	12	71	56	118	12	◐	◐

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Item in stock

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Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

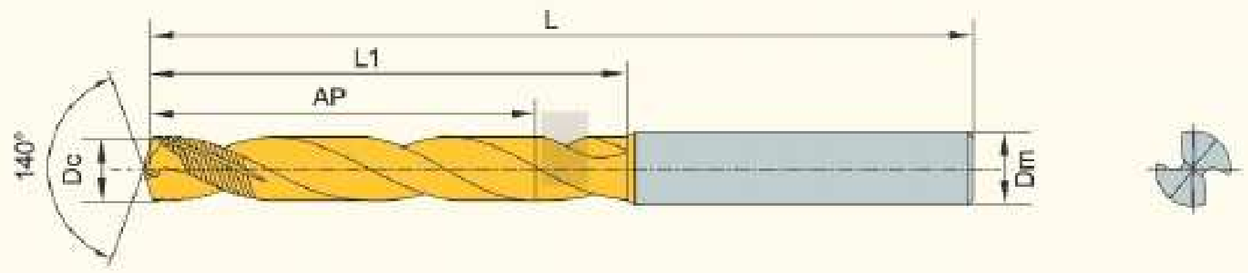
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金外冷钻头(5×D)

Solid Carbide Drill with External Coolant (5xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DF170 D125.060.124.C14	12.5	77	60	124	14	◐	◐
DF170 D128.060.124.C14	12.8	77	60	124	14	◐	◐
DF170 D130.060.124.C14	13	77	60	124	14	◐	◐
DF170 D131.060.124.C14	13.1	77	60	124	14	◐	◐
DF170 D134.060.124.C14	13.4	77	60	124	14	◐	◐
DF170 D136.060.124.C14	13.6	77	60	124	14	◐	◐
DF170 D140.060.124.C14	14	77	60	124	14	◐	◐
DF170 D145.063.133.C16	14.5	83	63	133	16	◐	◐
DF170 D150.063.133.C16	15	83	63	133	16	◐	◐
DF170 D151.063.133.C16	15.1	83	63	133	16	◐	◐
DF170 D154.063.133.C16	15.4	83	63	133	16	◐	◐
DF170 D156.063.133.C16	15.6	83	63	133	16	◐	◐
DF170 D160.063.133.C16	16	83	63	133	16	◐	◐
DF170 D165.071.143.C18	16.5	93	71	143	18	◐	◐
DF170 D169.071.143.C18	16.9	93	71	143	18	◐	◐
DF170 D170.071.143.C18	17	93	71	143	18	◐	◐
DF170 D171.071.143.C18	17.1	93	71	143	18	◐	◐
DF170 D175.071.143.C18	17.5	93	71	143	18	◐	◐
DF170 D176.071.143.C18	17.6	93	71	143	18	◐	◐
DF170 D180.071.143.C18	18	93	71	143	18	◐	◐
DF170 D185.077.153.C20	18.5	101	77	153	20	◐	◐
DF170 D189.077.153.C20	18.9	101	77	153	20	◐	◐
DF170 D190.077.153.C20	19	101	77	153	20	◐	◐
DF170 D200.077.153.C20	20	101	77	153	20	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

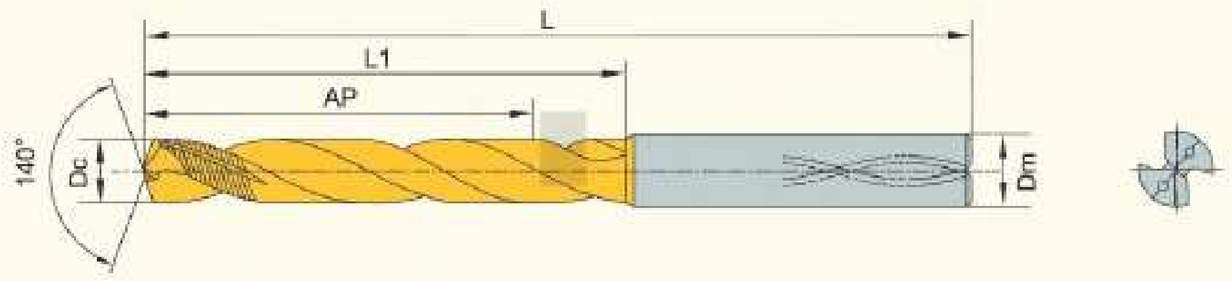
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金内冷钻头(5×D)

Solid Carbide Drill with Internal Coolant (5xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DFC170 D030.023.066.C06	3	28	23	66	6	◐	◐
DFC170 D033.023.066.C06	3.3	28	23	66	6	◐	◐
DFC170 D037.023.066.C06	3.7	28	23	66	6	◐	◐
DFC170 D038.029.074.C06	3.8	36	29	74	6	◐	◐
DFC170 D040.029.074.C06	4	36	29	74	6	◐	◐
DFC170 D042.029.074.C06	4.2	36	29	74	6	◐	◐
DFC170 D047.029.074.C06	4.7	36	29	74	6	◐	◐
DFC170 D050.035.082.C06	5	44	35	82	6	◐	◐
DFC170 D056.035.082.C06	5.6	44	35	82	6	◐	◐
DFC170 D057.035.082.C06	5.7	44	35	82	6	◐	◐
DFC170 D060.035.082.C06	6	44	35	82	6	◐	◐
DFC170 D068.043.091.C08	6.8	53	43	91	8	◐	◐
DFC170 D070.043.091.C08	7	53	43	91	8	◐	◐
DFC170 D075.043.091.C08	7.5	53	43	91	8	◐	◐
DFC170 D077.043.091.C08	7.7	53	43	91	8	◐	◐
DFC170 D080.043.091.C08	8	53	43	91	8	◐	◐
DFC170 D085.049.103.C10	8.5	61	49	103	10	◐	◐
DFC170 D090.049.103.C10	9	61	49	103	10	◐	◐
DFC170 D094.049.103.C10	9.4	61	49	103	10	◐	◐
DFC170 D096.049.103.C10	9.6	61	49	103	10	◐	◐
DFC170 D100.049.103.C10	10	61	49	103	10	◐	◐
DFC170 D102.056.118.C12	10.2	71	56	118	12	◐	◐
DFC170 D105.056.118.C12	10.5	71	56	118	12	◐	◐
DFC170 D110.056.118.C12	11	71	56	118	12	◐	◐
DFC170 D113.056.118.C12	11.3	71	56	118	12	◐	◐
DFC170 D114.056.118.C12	11.4	71	56	118	12	◐	◐
DFC170 D116.056.118.C12	11.6	71	56	118	12	◐	◐
DFC170 D120.056.118.C12	12	71	56	118	12	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

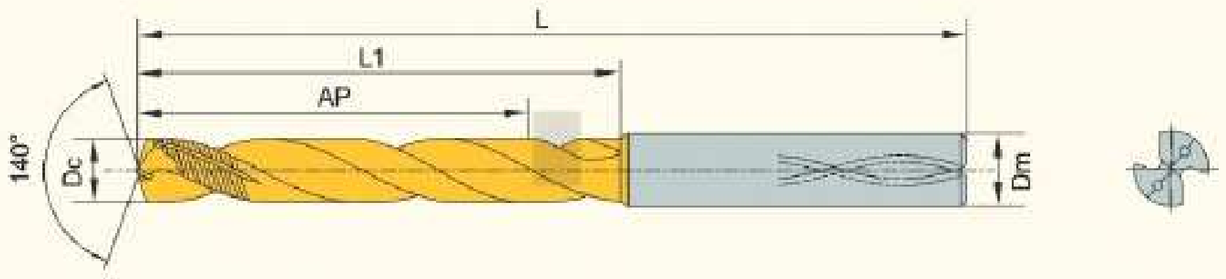
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金内冷钻头(5×D)

Solid Carbide Drill with Internal Coolant (5xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DFC170 D125.060.124.C14	12.5	77	60	124	14	◐	◐
DFC170 D128.060.124.C14	12.8	77	60	124	14	◐	◐
DFC170 D130.060.124.C14	13	77	60	124	14	◐	◐
DFC170 D131.060.124.C14	13.1	77	60	124	14	◐	◐
DFC170 D134.060.124.C14	13.4	77	60	124	14	◐	◐
DFC170 D136.060.124.C14	13.6	77	60	124	14	◐	◐
DFC170 D140.060.124.C14	14	77	60	124	14	◐	◐
DFC170 D145.063.133.C16	14.5	83	63	133	16	◐	◐
DFC170 D150.063.133.C16	15	83	63	133	16	◐	◐
DFC170 D151.063.133.C16	15.1	83	63	133	16	◐	◐
DFC170 D154.063.133.C16	15.4	83	63	133	16	◐	◐
DFC170 D156.063.133.C16	15.6	83	63	133	16	◐	◐
DFC170 D160.063.133.C16	16	83	63	133	16	◐	◐
DFC170 D165.071.143.C18	16.5	93	71	143	18	◐	◐
DFC170 D169.071.143.C18	16.9	93	71	143	18	◐	◐
DFC170 D170.071.143.C18	17	93	71	143	18	◐	◐
DFC170 D171.071.143.C18	17.1	93	71	143	18	◐	◐
DFC170 D175.071.143.C18	17.5	93	71	143	18	◐	◐
DFC170 D176.071.143.C18	17.6	93	71	143	18	◐	◐
DFC170 D180.071.143.C18	18	93	71	143	18	◐	◐
DFC170 D185.077.153.C20	18.5	101	77	153	20	◐	◐
DFC170 D189.077.153.C20	18.9	101	77	153	20	◐	◐
DFC170 D190.077.153.C20	19	101	77	153	20	◐	◐
DFC170 D200.077.153.C20	20	101	77	153	20	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
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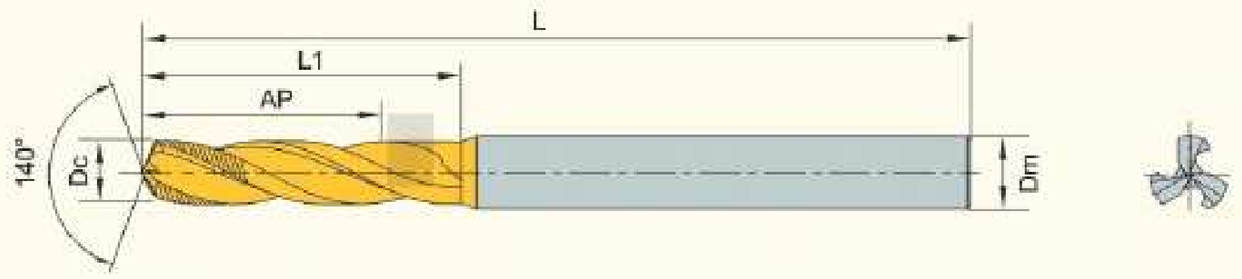
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金外冷三刃钻

Solid Carbide Drill with External Coolant / 3 Flutes

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DF173 D060.035.082.C06	6	44	35	82	6	◐	◐
DF173 D065.043.091.C08	6.5	53	43	91	8	◐	◐
DF173 D068.043.091.C08	6.8	53	43	91	8	◐	◐
DF173 D070.043.091.C08	7	53	43	91	8	◐	◐
DF173 D075.043.091.C08	7.5	53	43	91	8	◐	◐
DF173 D078.043.091.C08	7.8	53	43	91	8	◐	◐
DF173 D080.043.091.C08	8	53	43	91	8	◐	◐
DF173 D085.049.103.C10	8.5	61	49	103	10	◐	◐
DF173 D090.049.103.C10	9	61	49	103	10	◐	◐
DF173 D094.049.103.C10	9.4	61	49	103	10	◐	◐
DF173 D096.049.103.C10	9.6	61	49	103	10	◐	◐
DF173 D100.049.103.C10	10	61	49	103	10	◐	◐
DF173 D102.056.118.C12	10.2	71	56	118	12	◐	◐
DF173 D105.056.118.C12	10.5	71	56	118	12	◐	◐
DF173 D110.056.118.C12	11	71	56	118	12	◐	◐
DF173 D113.056.118.C12	11.3	71	56	118	12	◐	◐
DF173 D116.056.118.C12	11.6	71	56	118	12	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

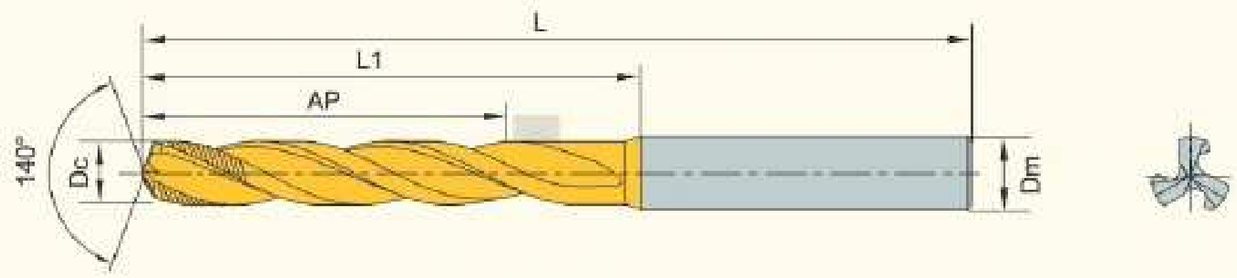
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金外冷三刃钻

Solid Carbide Drill with External Coolant / 3 Flutes

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DF173 D120.056.118.C12	12	71	56	118	12	◐	◐
DF173 D125.060.124.C14	12.5	77	60	124	14	◐	◐
DF173 D128.060.124.C14	12.8	77	60	124	14	◐	◐
DF173 D130.060.124.C14	13	77	60	124	14	◐	◐
DF173 D131.060.124.C14	13.1	77	60	124	14	◐	◐
DF173 D134.060.124.C14	13.4	77	60	124	14	◐	◐
DF173 D136.060.124.C14	13.6	77	60	124	14	◐	◐
DF173 D140.060.124.C14	14	77	60	124	14	◐	◐
DF173 D145.063.133.C16	14.5	83	63	133	16	◐	◐
DF173 D150.063.133.C16	15	83	63	133	16	◐	◐
DF173 D151.063.133.C16	15.1	83	63	133	16	◐	◐
DF173 D154.063.133.C16	15.4	83	63	133	16	◐	◐
DF173 D156.063.133.C16	15.6	83	63	133	16	◐	◐
DF173 D160.063.133.C16	16	83	63	133	16	◐	◐
DF173 D165.071.143.C18	16.5	93	71	143	18	◐	◐
DF173 D169.071.143.C18	16.9	93	71	143	18	◐	◐
DF173 D170.071.143.C18	17	93	71	143	18	◐	◐
DF173 D175.071.143.C18	17	93	71	143	18	◐	◐
DF173 D176.071.143.C18	17.6	93	71	143	18	◐	◐
DF173 D180.071.143.C18	18	93	71	143	18	◐	◐
DF173 D185.077.153.C20	18.5	101	77	153	20	◐	◐
DF173 D189.077.153.C20	18.9	101	77	153	20	◐	◐
DF173 D190.077.153.C20	19	101	77	153	20	◐	◐
DF173 D200.077.153.C20	20	101	77	153	20	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

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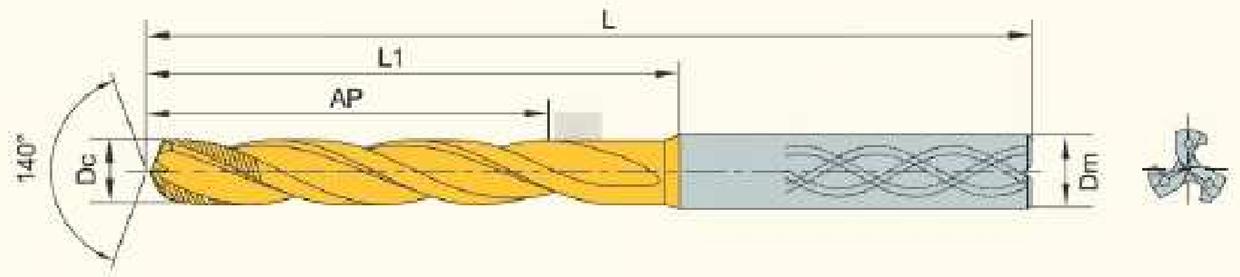
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金内冷三刃钻

Solid Carbide Drill with Internal Coolant / 3 Flutes

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DFC173 D060.035.082.C06	6	44	35	82	6	◐	◐
DFC173 D065.043.091.C08	6.5	53	43	91	8	◐	◐
DFC173 D068.043.091.C08	6.8	53	43	91	8	◐	◐
DFC173 D070.043.091.C08	7	53	43	91	8	◐	◐
DFC173 D075.043.091.C08	7.5	53	43	91	8	◐	◐
DFC173 D078.043.091.C08	7.8	53	43	91	8	◐	◐
DFC173 D080.043.091.C08	8	53	43	91	8	◐	◐
DFC173 D085.049.103.C10	8.5	61	49	103	10	◐	◐
DFC173 D090.049.103.C10	9	61	49	103	10	◐	◐
DFC173 D094.049.103.C10	9.4	61	49	103	10	◐	◐
DFC173 D096.049.103.C10	9.6	61	49	103	10	◐	◐
DFC173 D100.049.103.C10	10	61	49	103	10	◐	◐
DFC173 D102.056.118.C12	10.2	71	56	118	12	◐	◐
DFC173 D105.056.118.C12	10.5	71	56	118	12	◐	◐
DFC173 D110.056.118.C12	11	71	56	118	12	◐	◐
DFC173 D113.056.118.C12	11.3	71	56	118	12	◐	◐
DFC173 D116.056.118.C12	11.6	71	56	118	12	◐	◐
DFC173 D120.056.118.C12	12	71	56	118	12	◐	◐
DFC173 D125.060.124.C14	12.5	77	60	124	14	◐	◐
DFC173 D128.060.124.C14	12.8	77	60	124	14	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
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Order on demand
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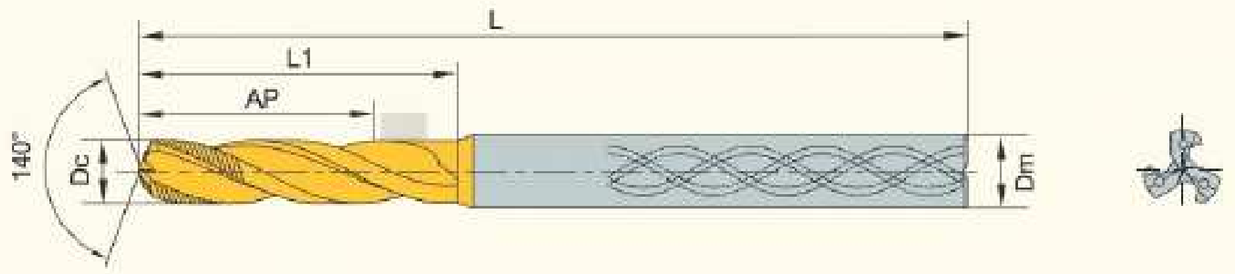
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

DF 硬质合金内冷三刃钻

Solid Carbide Drill with Internal Coolant / 3 Flutes

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	钻深 Hole depth	总长 Total length	柄径 Shank diameter		
	Dc	L1	AP	L	Dm	SG830	SG330
DFC173 D130.060.124.C14	13	77	60	124	14	◐	◐
DFC173 D131.060.124.C14	13.1	77	60	124	14	◐	◐
DFC173 D134.060.124.C14	13.4	77	60	124	14	◐	◐
DFC173 D136.060.124.C14	13.6	77	60	124	14	◐	◐
DFC173 D140.060.124.C14	14	77	60	124	14	◐	◐
DFC173 D145.063.133.C16	14.5	83	63	133	16	◐	◐
DFC173 D150.063.133.C16	15	83	63	133	16	◐	◐
DFC173 D151.063.133.C16	15.1	83	63	133	16	◐	◐
DFC173 D154.063.133.C16	15.4	83	63	133	16	◐	◐
DFC173 D156.063.133.C16	15.6	83	63	133	16	◐	◐
DFC173 D160.063.133.C16	16	83	63	133	16	◐	◐
DFC173 D165.071.143.C18	16.5	93	71	143	18	◐	◐
DFC173 D169.071.143.C18	16.9	93	71	143	18	◐	◐
DFC173 D170.071.143.C18	17	93	71	143	18	◐	◐
DFC173 D175.071.143.C18	17	93	71	143	18	◐	◐
DFC173 D176.071.143.C18	17.6	93	71	143	18	◐	◐
DFC173 D180.071.143.C18	18	93	71	143	18	◐	◐
DFC173 D185.077.153.C20	18.5	101	77	153	20	◐	◐
DFC173 D189.077.153.C20	18.9	101	77	153	20	◐	◐
DFC173 D190.077.153.C20	19	101	77	153	20	◐	◐
DFC173 D200.077.153.C20	20	101	77	153	20	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

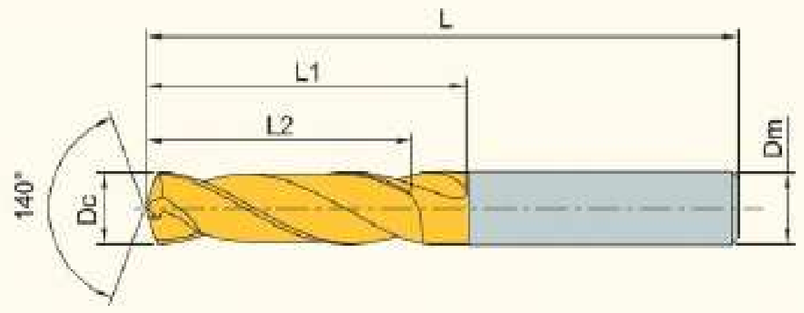
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

整体硬质合金外冷钻头(3×D)

Solid Carbide Drill with External Coolant (3xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSD D030.014.062.C06	3	20	14	62	6	◐	◐
CSD D033.014.062.C06	3.3	20	14	62	6	◐	◐
CSD D037.014.062.C06	3.7	20	14	62	6	◐	◐
CSD D038.017.066.C06	3.8	24	17	66	6	◐	◐
CSD D040.017.066.C06	4	24	17	66	6	◐	◐
CSD D042.017.066.C06	4.2	24	17	66	6	◐	◐
CSD D047.017.066.C06	4.7	24	17	66	6	◐	◐
CSD D050.020.066.C06	5	28	20	66	6	◐	◐
CSD D056.020.066.C06	5.6	28	20	66	6	◐	◐
CSD D057.020.066.C06	5.7	28	20	66	6	◐	◐
CSD D060.020.066.C06	6	28	20	66	6	◐	◐
CSD D068.024.079.C08	6.8	34	24	79	8	◐	◐
CSD D070.024.079.C08	7	34	24	79	8	◐	◐
CSD D075.029.079.C08	7.5	41	29	79	8	◐	◐
CSD D077.029.079.C08	7.7	41	29	79	8	◐	◐
CSD D080.029.079.C08	8	41	29	79	8	◐	◐
CSD D085.035.089.C10	8.5	47	35	89	10	◐	◐
CSD D090.035.089.C10	9	47	35	89	10	◐	◐
CSD D094.035.089.C10	9.4	47	35	89	10	◐	◐
CSD D096.035.089.C10	9.6	47	35	89	10	◐	◐
CSD D100.035.089.C10	10	47	35	89	10	◐	◐
CSD D102.040.102.C12	10.2	55	40	102	12	◐	◐
CSD D105.040.102.C12	10.5	55	40	102	12	◐	◐
CSD D110.040.102.C12	11	55	40	102	12	◐	◐
CSD D113.040.102.C12	11.3	55	40	102	12	◐	◐
CSD D114.040.102.C12	11.4	55	40	102	12	◐	◐
CSD D116.040.102.C12	11.6	55	40	102	12	◐	◐
CSD D120.040.102.C12	12	55	40	102	12	◐	◐
CSD D125.043.107.C14	12.5	60	43	107	14	◐	◐
CSD D128.043.107.C14	12.8	60	43	107	14	◐	◐
CSD D130.043.107.C14	13	60	43	107	14	◐	◐
CSD D131.043.107.C14	13.1	60	43	107	14	◐	◐
CSD D134.043.107.C14	13.4	60	43	107	14	◐	◐
CSD D136.043.107.C14	13.6	60	43	107	14	◐	◐
CSD D140.043.107.C14	14	60	43	107	14	◐	◐

● 可根据用户的加工要求制造。
● Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

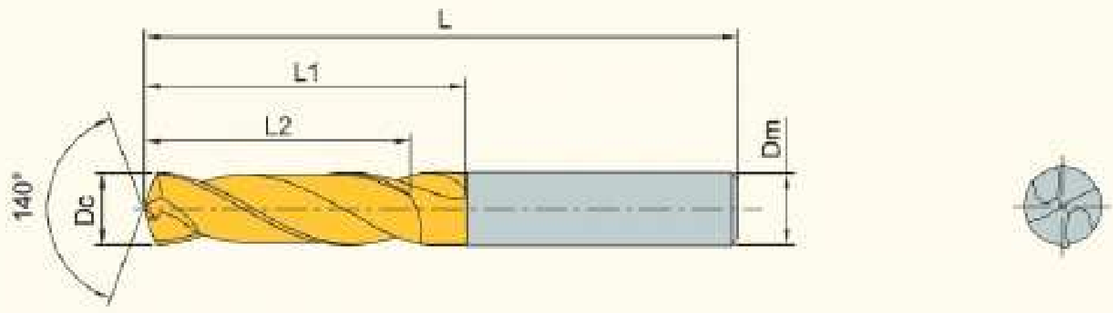
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

整体硬质合金外冷钻头(3×D)

Solid Carbide Drill with External Coolant (3xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSD D145.045.115.C16	14.5	65	45	115	16	◐	◐
CSD D150.045.115.C16	15	65	45	115	16	◐	◐
CSD D151.045.115.C16	15.1	65	45	115	16	◐	◐
CSD D154.045.115.C16	15.4	65	45	115	16	◐	◐
CSD D156.045.115.C16	15.6	65	45	115	16	◐	◐
CSD D160.045.115.C16	16	65	45	115	16	◐	◐
CSD D165.051.123.C18	16.5	73	51	123	18	◐	◐
CSD D169.051.123.C18	16.9	73	51	123	18	◐	◐
CSD D170.051.123.C18	17	73	51	123	18	◐	◐
CSD D171.051.123.C18	17.1	73	51	123	18	◐	◐
CSD D175.051.123.C18	17.5	73	51	123	18	◐	◐
CSD D176.051.123.C18	17.6	73	51	123	18	◐	◐
CSD D180.051.123.C18	18	73	51	123	18	◐	◐
CSD D185.055.131.C20	18.5	79	55	131	20	◐	◐
CSD D189.055.131.C20	18.9	79	55	131	20	◐	◐
CSD D190.055.131.C20	19	79	55	131	20	◐	◐
CSD D200.055.131.C20	20	79	55	131	20	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

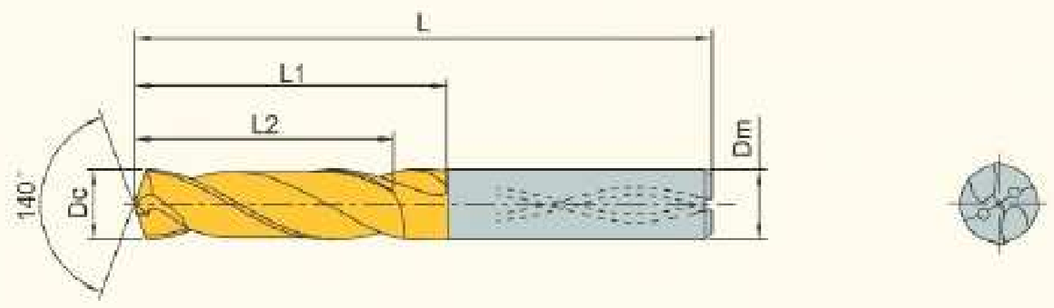
● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

整体硬质合金内冷钻头(3×D)
Solid Carbide Drill with Internal Coolant (3xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSDC D030.014.062.C06	3	20	14	62	6	◐	◐
CSDC D033.014.062.C06	3.3	20	14	62	6	◐	◐
CSDC D037.014.062.C06	3.7	20	14	62	6	◐	◐
CSDC D038.017.066.C06	3.8	24	17	66	6	◐	◐
CSDC D040.017.066.C06	4	24	17	66	6	◐	◐
CSDC D042.017.066.C06	4.2	24	17	66	6	◐	◐
CSDC D047.017.066.C06	4.7	24	17	66	6	◐	◐
CSDC D050.020.066.C06	5	28	20	66	6	◐	◐
CSDC D056.020.066.C06	5.6	28	20	66	6	◐	◐
CSDC D057.020.066.C06	5.7	28	20	66	6	◐	◐
CSDC D060.020.066.C06	6	28	20	66	6	◐	◐
CSDC D068.024.079.C08	6.8	34	24	79	8	◐	◐
CSDC D070.024.079.C08	7	34	24	79	8	◐	◐
CSDC D075.029.079.C08	7.5	41	29	79	8	◐	◐
CSDC D077.029.079.C08	7.7	41	29	79	8	◐	◐
CSDC D080.029.079.C08	8	41	29	79	8	◐	◐
CSDC D085.035.089.C10	8.5	47	35	89	10	◐	◐
CSDC D090.035.089.C10	9	47	35	89	10	◐	◐
CSDC D094.035.089.C10	9.4	47	35	89	10	◐	◐
CSDC D096.035.089.C10	9.6	47	35	89	10	◐	◐
CSDC D100.035.089.C10	10	47	35	89	10	◐	◐
CSDC D102.040.102.C12	10.2	55	40	102	12	◐	◐
CSDC D105.040.102.C12	10.5	55	40	102	12	◐	◐
CSDC D110.040.102.C12	11	55	40	102	12	◐	◐
CSDC D113.040.102.C12	11.3	55	40	102	12	◐	◐
CSDC D114.040.102.C12	11.4	55	40	102	12	◐	◐
CSDC D116.040.102.C12	11.6	55	40	102	12	◐	◐
CSDC D120.040.102.C12	12	55	40	102	12	◐	◐
CSDC D125.043.107.C14	12.5	60	43	107	14	◐	◐
CSDC D128.043.107.C14	12.8	60	43	107	14	◐	◐
CSDC D130.043.107.C14	13	60	43	107	14	◐	◐
CSDC D131.043.107.C14	13.1	60	43	107	14	◐	◐
CSDC D134.043.107.C14	13.4	60	43	107	14	◐	◐
CSDC D136.043.107.C14	13.6	60	43	107	14	◐	◐
CSDC D140.043.107.C14	14	60	43	107	14	◐	◐

● 可根据用户的加工要求制造。
● Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

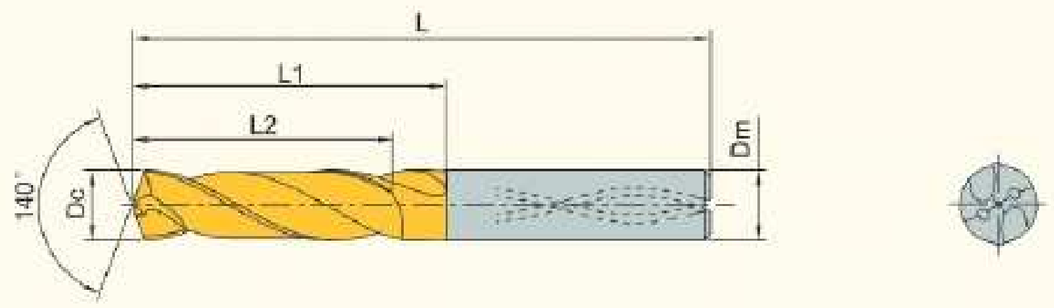
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

整体硬质合金内冷钻头(3×D)

Solid Carbide Drill with Internal Coolant (3xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSDC D145.045.115.C16	14.5	65	45	115	16	◐	◐
CSDC D150.045.115.C16	15	65	45	115	16	◐	◐
CSDC D151.045.115.C16	15.1	65	45	115	16	◐	◐
CSDC D154.045.115.C16	15.4	65	45	115	16	◐	◐
CSDC D156.045.115.C16	15.6	65	45	115	16	◐	◐
CSDC D160.045.115.C16	16	65	45	115	16	◐	◐
CSDC D165.051.123.C18	16.5	73		123	18	◐	◐
CSDC D169.051.123.C18	16.9	73	51	123	18	◐	◐
CSDC D170.051.123.C18	17	73	51	123	18	◐	◐
CSDC D171.051.123.C18	17.1	73	51	123	18	◐	◐
CSDC D175.051.123.C18	17.5	73	51	123	18	◐	◐
CSDC D176.051.123.C18	17.6	73	51	123	18	◐	◐
CSDC D180.051.123.C18	18	73	51	123	18	◐	◐
CSDC D185.055.131.C20	18.5	79	55	131	20	◐	◐
CSDC D190.055.131.C20	19	79	55	131	20	◐	◐
CSDC D200.055.131.C20	20	79	55	131	20	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

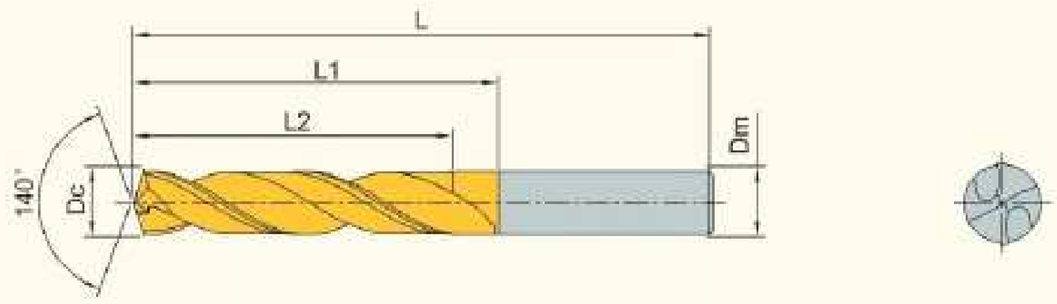
● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

整体硬质合金外冷钻头(5×D)
Solid Carbide Drill with External Coolant (5xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSD D030.023.066.C06	3	28	23	66	6	◐	◐
CSD D033.023.066.C06	3.3	28	23	66	6	◐	◐
CSD D037.023.066.C06	3.7	28	23	66	6	◐	◐
CSD D038.029.074.C06	3.8	36	29	74	6	◐	◐
CSD D040.029.074.C06	4	36	29	74	6	◐	◐
CSD D042.029.074.C06	4.2	36	29	74	6	◐	◐
CSD D047.029.074.C06	4.7	36	29	74	6	◐	◐
CSD D050.035.082.C06	5	44	35	82	6	◐	◐
CSD D056.035.082.C06	5.6	44	35	82	6	◐	◐
CSD D057.035.082.C06	5.7	44	35	82	6	◐	◐
CSD D060.035.082.C06	6	44	35	82		◐	◐
CSD D068.043.091.C08	6.8	53	43	91	8	◐	◐
CSD D070.043.091.C08	7	53	43	91	8	◐	◐
CSD D075.043.091.C08	7.5	53	43	91	8	◐	◐
CSD D077.043.091.C08	7.7	53	43	91	8	◐	◐
CSD D080.043.091.C08	8	53	43	91	8	◐	◐
CSD D085.049.103.C10	8.5	61	49	103	10	◐	◐
CSD D090.049.103.C10	9	61	49	103	10	◐	◐
CSD D094.049.103.C10	9.4	61	49	103	10	◐	◐
CSD D096.049.103.C10	9.6	61	49	103	10	◐	◐
CSD D100.049.103.C10	10	61	49	103	10	◐	◐
CSD D102.056.118.C12	10.2	71	56	118	12	◐	◐
CSD D105.056.118.C12	10.5	71	56	118	12	◐	◐
CSD D110.056.118.C12	11	71	56	118	12	◐	◐
CSD D113.056.118.C12	11.3	71	56	118	12	◐	◐
CSD D114.056.118.C12	11.4	71	56	118	12	◐	◐
CSD D116.056.118.C12	11.6	71	56	118	12	◐	◐
CSD D120.056.118.C12	12	71	56	118	12	◐	◐
CSD D125.060.124.C14	12.5	77	60	124	14	◐	◐
CSD D128.060.124.C14	12.8	77	60	124	14	◐	◐
CSD D130.060.124.C14	13	77	60	124	14	◐	◐
CSD D131.060.124.C14	13.1	77	60	124	14	◐	◐
CSD D134.060.124.C14	13.4	77	60	124	14	◐	◐
CSD D136.060.124.C14	13.6	77	60	124	14	◐	◐
CSD D140.060.124.C14	14	77	60	124	14	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

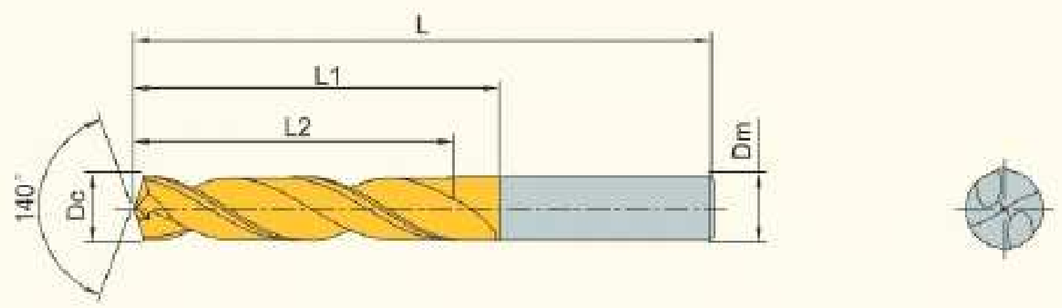
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

整体硬质合金外冷钻头(5×D)

Solid Carbide Drill with External Coolant (5xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSD D145.063.133.C16	14.5	83	63	133	16	◐	◐
CSD D150.063.133.C16	15	83	63	133	16	◐	◐
CSD D151.063.133.C16	15.1	83	63	133	16	◐	◐
CSD D154.063.133.C16	15.4	83	63	133	16	◐	◐
CSD D156.063.133.C16	15.6	83	63	133	16	◐	◐
CSD D160.063.133.C16	16	83	63	133	16	◐	◐
CSD D165.071.143.C18	16.5	93	71	143	18	◐	◐
CSD D169.071.143.C18	16.9	93	71	143	18	◐	◐
CSD D170.071.143.C18	17	93	71	143	18	◐	◐
CSD D171.071.143.C18	17.1	93	71	143	18	◐	◐
CSD D175.071.143.C18	17.5	93	71	143	18	◐	◐
CSD D176.071.143.C18	17.6	93	71	143	18	◐	◐
CSD D180.071.143.C18	18	93	71	143	18	◐	◐
CSD D185.077.153.C20	18.5	101	77	153	20	◐	◐
CSD D189.077.153.C20	18.9	101	77	153	20	◐	◐
CSD D190.077.153.C20	19	101	77	153	20	◐	◐
CSD D200.077.153.C20	20	101	77	153	20	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

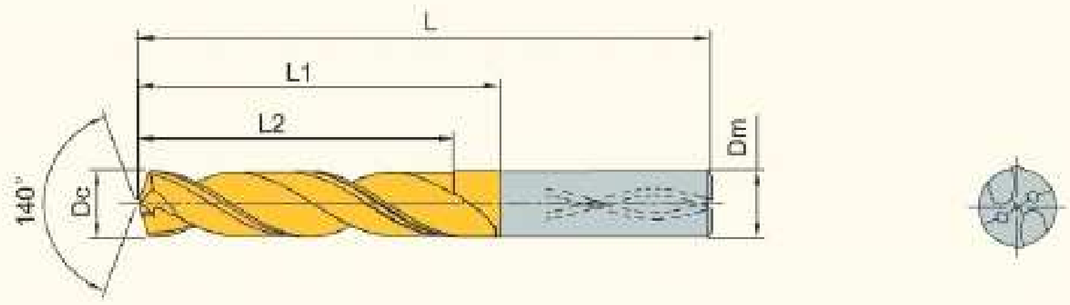
● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

整体硬质合金内冷钻头(5×D)
Solid Carbide Drill with Internal Coolant (5xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 FSlot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSDC D030.023.066.C06	3	28	23	66	6	◐	◐
CSDC D033.023.066.C06	3.3	28	23	66	6	◐	◐
CSDC D037.023.066.C06	3.7	28	23	66	6	◐	◐
CSDC D038.029.074.C06	3.8	36	29	74	6	◐	◐
CSDC D040.029.074.C06	4	36	29	74	6	◐	◐
CSDC D042.029.074.C06	4.2	36	29	74	6	◐	◐
CSDC D047.029.074.C06	4.7	36	29	74	6	◐	◐
CSDC D050.035.082.C06	5	44	35	82	6	◐	◐
CSDC D056.035.082.C06	5.6	44	35	82	6	◐	◐
CSDC D057.035.082.C06	5.7	44	35	82	6	◐	◐
CSDC D060.035.082.C06	6	44	35	82	6	◐	◐
CSDC D068.043.091.C08	6.8	53	43	91	8	◐	◐
CSDC D070.043.091.C08	7	53	43	91	8	◐	◐
CSDC D075.043.091.C08	7.5	53	43	91	8	◐	◐
CSDC D077.043.091.C08	7.7	53	43	91	8	◐	◐
CSDC D080.043.091.C08	8	53	43	91	8	◐	◐
CSDC D085.049.103.C10	8.5	61	49	103	10	◐	◐
CSDC D090.049.103.C10	9	61	49	103	10	◐	◐
CSDC D094.049.103.C10	9.4	61	49	103	10	◐	◐
CSDC D096.049.103.C10	9.6	61	49	103	10	◐	◐
CSDC D100.049.103.C10	10	61	49	103	10	◐	◐
CSDC D102.056.118.C12	10.2	71	56	118	12	◐	◐
CSDC D105.056.118.C12	10.5	71	56	118	12	◐	◐
CSDC D110.056.118.C12	11	71	56	118	12	◐	◐
CSDC D113.056.118.C12	11.3	71	56	118	12	◐	◐
CSDC D114.056.118.C12	11.4	71	56	118	12	◐	◐
CSDC D116.056.118.C12	11.6	71	56	118	12	◐	◐
CSDC D120.056.118.C12	12	71	56	118	12	◐	◐
CSDC D125.060.124.C14	12.5	77	60	124	14	◐	◐
CSDC D128.060.124.C14	12.8	77	60	124	14	◐	◐
CSDC D130.060.124.C14	13	77	60	124	14	◐	◐
CSDC D131.060.124.C14	13.1	77	60	124	14	◐	◐
CSDC D134.060.124.C14	13.4	77	60	124	14	◐	◐
CSDC D136.060.124.C14	13.6	77	60	124	14	◐	◐
CSDC D140.060.124.C14	14	77	60	124	14	◐	◐

● 可根据用户的加工要求制造。
● Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

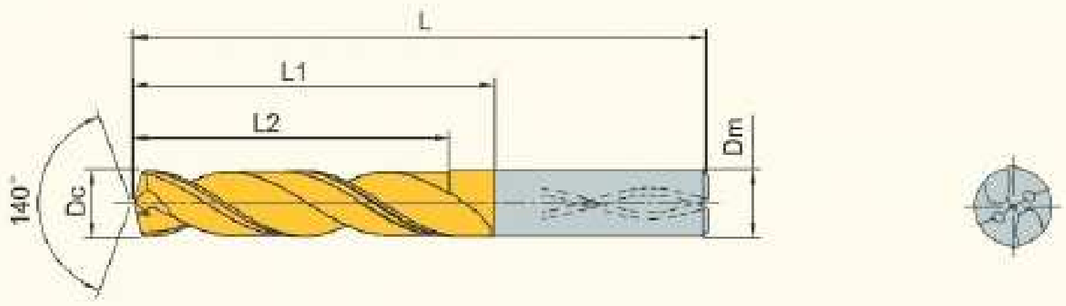
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

整体硬质合金内冷钻头(5×D)

Solid Carbide Drill with Internal Coolant (5xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSDC D145.063.133.C16	14.5	83	63	133	16	◐	◐
CSDC D150.063.133.C16	15	83	63	133	16	◐	◐
CSDC D154.063.133.C16	15.4	83	63	133	16	◐	◐
CSDC D156.063.133.C16	15.6	83	63	133	16	◐	◐
CSDC D160.063.133.C16	16	83	63	133	16	◐	◐
CSDC D165.071.143.C18	16.5	93	71	143	18	◐	◐
CSDC D169.071.143.C18	16.9	93	71	143	18	◐	◐
CSDC D170.071.143.C18	17	93	71	143	18	◐	◐
CSDC D171.071.143.C18	17.1	93	71	143	18	◐	◐
CSDC D175.071.143.C18	17.5	93	71	143	18	◐	◐
CSDC D176.071.143.C18	17.6	93	71	143	18	◐	◐
CSDC D180.071.143.C18	18	93	71	143	18	◐	◐
CSDC D185.077.153.C20	18.5	101	77	153	20	◐	◐
CSDC D189.077.153.C20	18.9	101	77	153	20	◐	◐
CSDC D190.077.153.C20	19	101	77	153	20	◐	◐
CSDC D200.077.153.C20	20	101	77	153	20	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

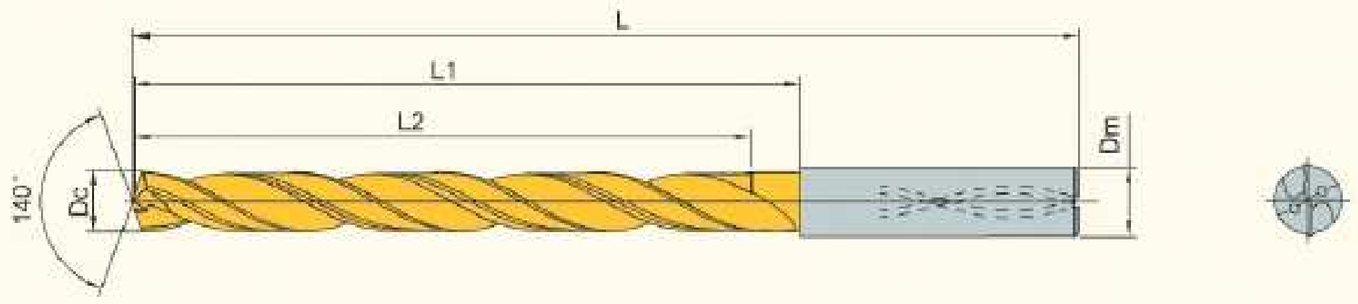
● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

整体硬质合金内冷钻头(8×D)
Solid Carbide Drill with Internal Coolant (8xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 DFlute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSDC D030.028.074.C06	3	34	28	74	6	◐	◐
CSDC D033.028.074.C06	3.3	34	28	74	6	◐	◐
CSDC D037.028.074.C06	3.7	34	28	74	6	◐	◐
CSDC D038.037.085.C06	3.8	45	37	85	6	◐	◐
CSDC D040.037.085.C06	4	45	37	85	6	◐	◐
CSDC D042.037.085.C06	4.2	45	37	85	6	◐	◐
CSDC D047.037.085.C06	4.7	45	37	85	6	◐	◐
CSDC D050.048.097.C06	5	57	48	97	6	◐	◐
CSDC D056.048.097.C06	5.6	57	48	97	6	◐	◐
CSDC D057.048.097.C06	5.7	57	48	97	6	◐	◐
CSDC D060.048.097.C06	6	57	48	97	6	◐	◐
CSDC D068.055.106.C08	6.8	66	55	106	8	◐	◐
CSDC D070.055.106.C08	7	66	55	106	8	◐	◐
CSDC D075.064.116.C08	7.5	76	64	116	8	◐	◐
CSDC D077.064.116.C08	7.7	76	64	116	8	◐	◐
CSDC D080.064.116.C08	8	76	64	116	8	◐	◐
CSDC D085.080.139.C10	8.5	95	80	139	10	◐	◐
CSDC D090.080.139.C10	9	95	80	139	10	◐	◐
CSDC D094.080.139.C10	9.4	95	80	139	10	◐	◐
CSDC D096.080.139.C10	9.6	95	80	139	10	◐	◐
CSDC D100.080.139.C10	10	95	80	139	10	◐	◐
CSDC D102.096.163.C12	10.2	114	96	163	12	◐	◐
CSDC D105.096.163.C12	10.5	114	96	163	12	◐	◐
CSDC D110.096.163.C12	11	114	96	163	12	◐	◐
CSDC D113.096.163.C12	11.3	114	96	163	12	◐	◐
CSDC D114.096.163.C12	11.4	114	96	163	12	◐	◐
CSDC D116.096.163.C12	11.6	114	96	163	12	◐	◐
CSDC D120.096.163.C12	12	114	96	163	12	◐	◐
CSDC D125.119.182.C14	12.5	133	119	182	14	◐	◐
CSDC D127.119.182.C14	12.7	133	119	182	14	◐	◐
CSDC D130.119.182.C14	13	133	119	182	14	◐	◐
CSDC D135.119.182.C14	13.5	133	119	182	14	◐	◐
CSDC D140.119.182.C14	14	133	119	182	14	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

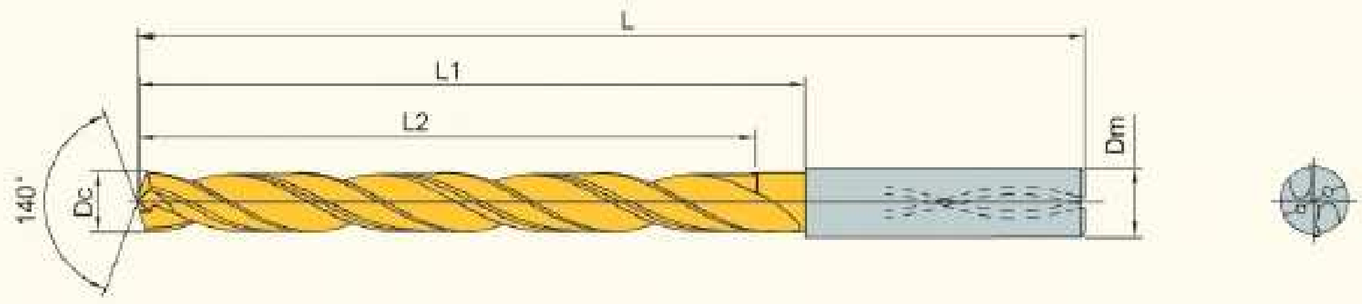
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

整体硬质合金内冷钻头(8×D)

Solid Carbide Drill with Internal Coolant (8xD)

D	Tolerance m7
3.00-6	0.004-0.016
6.01-10	0.006-0.021
10.01-18	0.007-0.025
18.01-21	0.008-0.029



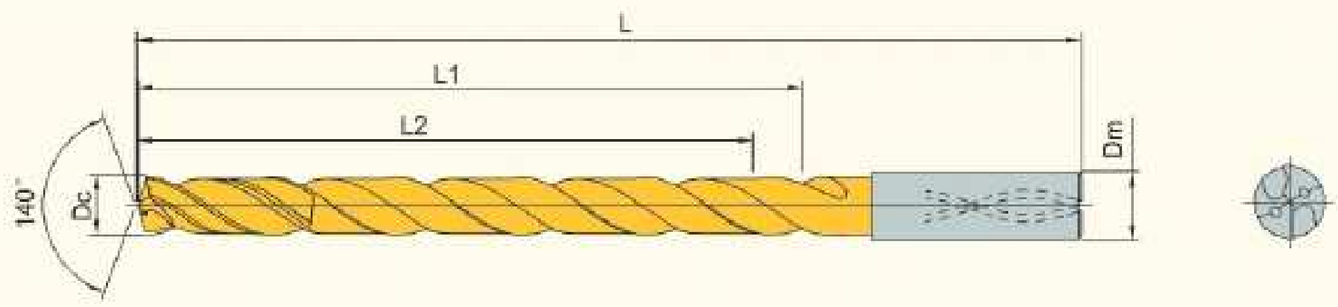
规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSDC D145.136.204.C16	14.5	152	136	204	16	◐	◐
CSDC D150.136.204.C16	15	152	136	204	16	◐	◐
CSDC D155.136.204.C16	15.5	152	136	204	16	◐	◐
CSDC D160.136.204.C16	16	152	136	204	16	◐	◐
CSDC D165.153.223.C18	16.5	171	153	223	18	◐	◐
CSDC D170.153.223.C18	17	171	153	223	18	◐	◐
CSDC D175.153.223.C18	17.5	171	153	223	18	◐	◐
CSDC D180.153.223.C18	18	171	153	223	18	◐	◐
CSDC D185.170.244.C20	18.5	190	170	244	20	◐	◐
CSDC D190.170.244.C20	19	190	170	244	20	◐	◐
CSDC D200.170.244.C20	20	190	170	244	20	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

- ● 标准库存
  Item in stock
- ◐ 半标准库存(订货时，请确认交货期)
  Item of short delivery time
  (plese confirm delivery time when ordering it)
- ○ 无库存(订货时，请确认交货期)
  Order on demand
  (plese confirm delivery time when ordering it)

整体硬质合金内冷钻头(12×D)
Solid Carbide Drill with Internal Coolant (12xD)

D	Tolerance h7
3.00-6	0-0.012
6.01-10	0-0.015
10.01-18	0-0.018
18.01-21	0-0.021



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSDC D030.048.092.C06	3	54	48	92	6	◐	◐
CSDC D033.048.092.C06	3.3	54	48	92	6	◐	◐
CSDC D037.048.092.C06	3.7	54	48	92	6	◐	◐
CSDC D038.056.102.C06	3.8	64	56	102	6	◐	◐
CSDC D040.056.102.C06	4	64	56	102	6	◐	◐
CSDC D042.056.102.C06	4.2	64	56	102	6	◐	◐
CSDC D047.056.102.C06	4.7	64	56	102	6	◐	◐
CSDC D050.074.121.C06	5	83	74	121	6	◐	◐
CSDC D056.074.121.C06	5.6	83	74	121	6	◐	◐
CSDC D057.074.121.C06	5.7	83	74	121	6	◐	◐
CSDC D060.074.121.C06	6	83	74	121	6	◐	◐
CSDC D068.098.148.C08	6.8	110	98	148	8	◐	◐
CSDC D070.098.148.C08	7	110	98	148	8	◐	◐
CSDC D075.098.148.C08	7.5	110	98	148	8	◐	◐
CSDC D077.098.148.C08	7.7	110	98	148	8	◐	◐
CSDC D080.098.148.C08	8	110	98	148	8	◐	◐
CSDC D085.123.180.C10	8.5	138	123	180	10	◐	◐
CSDC D090.123.180.C10	9	138	123	180	10	◐	◐
CSDC D094.123.180.C10	9.4	138	123	180	10	◐	◐
CSDC D096.123.180.C10	9.6	138	123	180	10	◐	◐
CSDC D100.123.180.C10	10	138	123	180	10	◐	◐
CSDC D102.140.206.C12	10.2	158	140	206	12	◐	◐
CSDC D105.140.206.C12	10.5	158	140	206	12	◐	◐
CSDC D110.140.206.C12	11	158	140	206	12	◐	◐
CSDC D113.140.206.C12	11.3	158	140	206	12	◐	◐
CSDC D114.140.206.C12	11.4	158	140	206	12	◐	◐
CSDC D116.140.206.C12	11.6	158	140	206	12	◐	◐
CSDC D120.140.206.C12	12	158	140	206	12	◐	◐
CSDC D125.168.230.C14	12.5	182	168	230	14	◐	◐
CSDC D127.168.230.C14	12.7	182	168	230	14	◐	◐
CSDC D130.168.230.C14	13	182	168	230	14	◐	◐
CSDC D135.168.230.C14	13.5	182	168	230	14	◐	◐
CSDC D140.168.230.C14	14	182	168	230	14	◐	◐
CSDC D145.192.260.C16	14.5	208	192	260	16	◐	◐
CSDC D150.192.260.C16	15	208	192	260	16	◐	◐
CSDC D155.192.260.C16	15.5	208	192	260	16	◐	◐
CSDC D160.192.260.C16	16	208	192	260	16	◐	◐
CSDC D165.216.285.C18	16.5	234	216	285	18	◐	◐
CSDC D170.216.285.C18	17	234	216	285	18	◐	◐
CSDC D175.216.285.C18	17.5	234	216	285	18	◐	◐
CSDC D180.216.285.C18	18	234	216	285	18	◐	◐
CSDC D185.238.310.C20	18.5	258	238	310	20	◐	◐
CSDC D190.238.310.C20	19	258	238	310	20	◐	◐
CSDC D200.238.310.C20	20	258	238	310	20	◐	◐

● 可根据用户的加工要求制造。
● Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

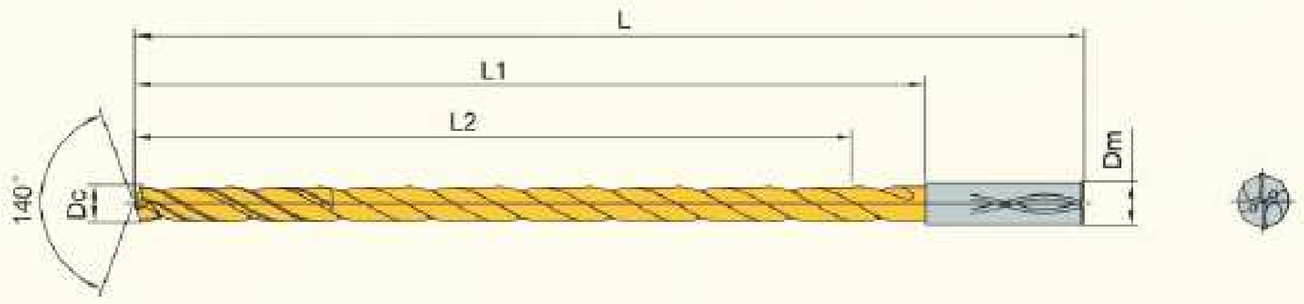
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

整体硬质合金内冷钻头(20×D)

Solid Carbide Drill with Internal Coolant (20xD)

D	Tolerance h7
3.00-6	0-0.012
6.01-10	0-0.015
10.01-18	0-0.018
18.01-21	0-0.021



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L2	L	Dm	SG830	SG430
CSDC D030.060.107.C06	3	65	60	107	6	◐	◐
CSDC D035.086.134.C06	3.5	92	86	134	6	◐	◐
CSDC D040.086.134.C06	4	92	86	134	6	◐	◐
CSDC D045.110.158.C06	4.5	118	110	158	6	◐	◐
CSDC D050.110.158.C06	5	118	110	158	6	◐	◐
CSDC D055.123.170.C06	5.5	132	123	170	6	◐	◐
CSDC D058.135.182.C06	5.8	144	135	182	6	◐	◐
CSDC D060.135.182.C06	6	144	135	182	6	◐	◐
CSDC D065.151.200.C08	6.5	162	151	200	8	◐	◐
CSDC D068.151.200.C08	6.8	162	151	200	8	◐	◐
CSDC D070.151.200.C08	7	162	151	200	8	◐	◐
CSDC D074.172.222.C08	7.4	184	172	222	8	◐	◐
CSDC D075.172.222.C08	7.5	184	172	222	8	◐	◐
CSDC D080.172.222.C08	8	184	172	222	8	◐	◐
CSDC D083.184.240.C10	8.3	198	184	240	10	◐	◐
CSDC D085.184.240.C10	8.5	198	184	240	10	◐	◐
CSDC D090.184.240.C10	9	198	184	240	10	◐	◐
CSDC D098.205.262.C10	9.8	220	205	262	10	◐	◐
CSDC D100.205.262.C10	10	220	205	262	10	◐	◐

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

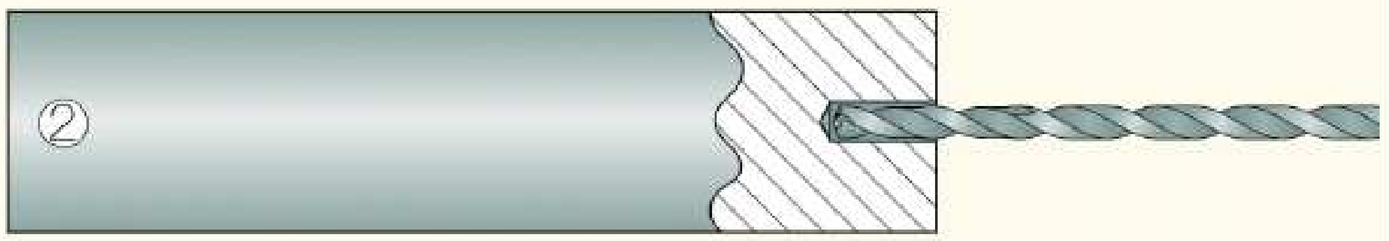
◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
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○ 无库存(订货时，请确认交货期)
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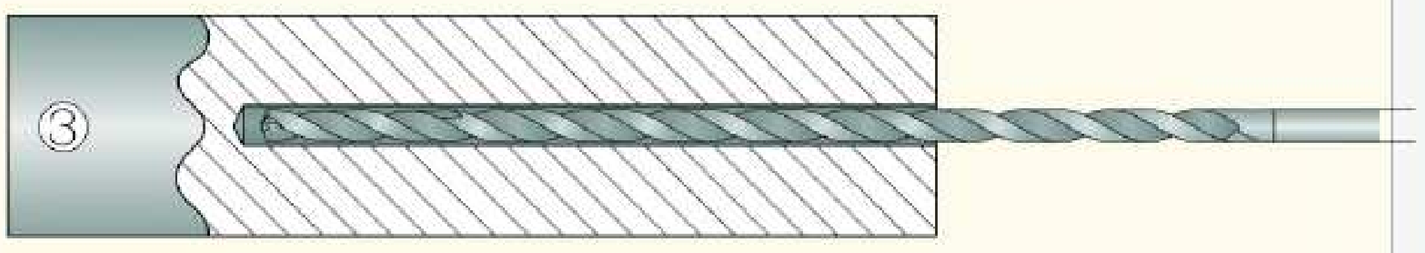
深孔加工推荐钻削步骤(20×D)
Recommended Drilling Procedure for Deep Hole Drilling (20xD)

采用小钻深钻头加工 1-2*D 钻深的预钻孔。预钻孔钻头直径应比长钻头直径大 0.03-0.05mm, 锋角也应大于长钻头的锋角（大于 140°）
Drill a pilot hole 1-2*D deep with a short drill. The pilot drill should be 0.03-0.05 mm larger than the long drill and its point angle should also be larger (over 140°).

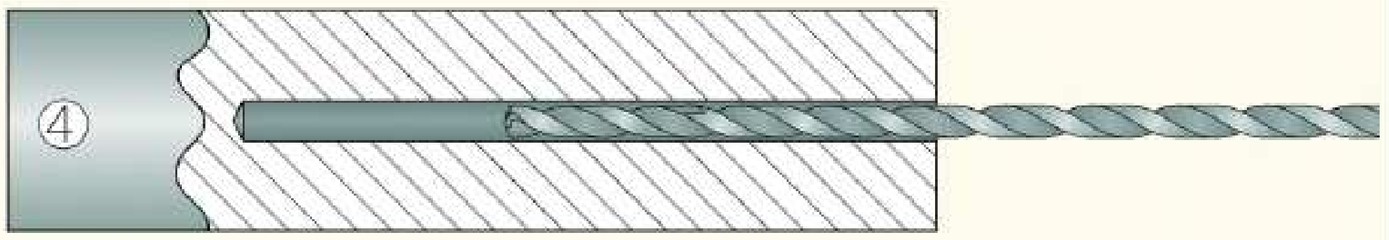
长钻头以低速低进给进入预钻孔，直到接近孔底。
Enter the pre-hole using low speed and feed, until it engages the material.



提高切削速度和进给到推荐值 – 不要进行啄钻!
Increase cutting speed and feed to recommended conditions – no pecking is required!



加工到所需深度后，退刀时，切削速度降低 50%
After having reached the required depth, reduce speed by more than 50% while retracting from the hole.



(20×D) 整体硬质合金钻头推荐钻削参数
Recommended Drilling Conditions for Solid Carbide Drills (20xD)

钻头直径 Drill Dia. (mm)	碳钢 Carbon Steel (30 HRc)		合金钢 Alloy Steel (45 HRc)		不锈钢 Stainless Steel		铸铁 Cast Iron (GG25)		难加工铸铁 Ductile Cast Iron (GG45)	
	V(m/min)	f(mm/rev)	V(m/min)	f(mm/rev)	V(m/min)	f(mm/rev)	V(m/min)	f(mm/rev)	V(m/min)	f(mm/rev)
5	60-120	0.12-0.25	50-100	0.1-0.20	30-60	0.08-0.15	60-120	0.15-0.30	40-80	0.15-0.25
6	60-120	0.14-0.25	50-100	0.14-0.25	30-60	0.10-0.18	60-120	0.14-0.25	40-80	0.14-0.25
7-8	60-120	0.16-0.30	50-100	0.16-0.30	30-60	0.10-0.20	60-120	0.16-0.30	40-80	0.16-0.30
9-10	60-120	0.16-0.30	50-100	0.10-0.20	30-60	0.08-0.115	60-120	0.20-0.35	40-80	0.20-0.35

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

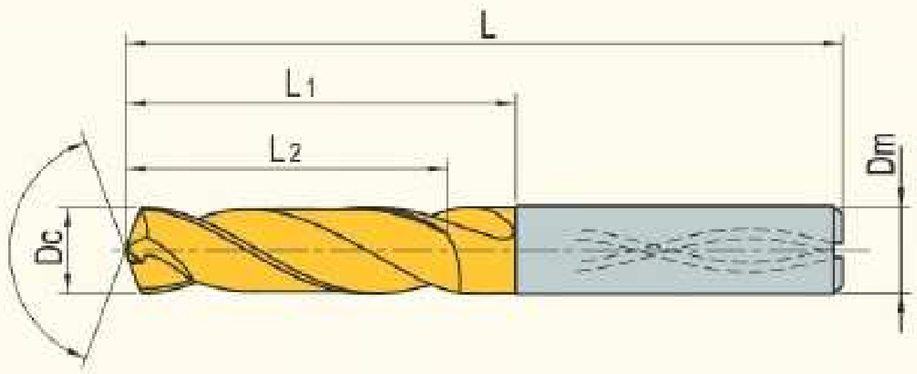
○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

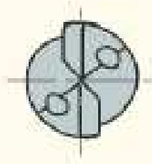
SOLID CARBIDE DRILLS

整体硬质合金钻头系列

整体硬质合金铸铁中硬钢SG832高速钻头

Solid Carbide Cast Iron High-Speed Drill Bit for Hard Steel SG832





规格型号 Designation	基本尺寸 Dimension					备注 Remark
	刃径 Diameter	槽长 Slot length	刃长 Flute length	总长 Total length	柄径 Shank diameter	
	Dc	L1	L2	L	Dm	
CSDC D033.014.062.C06 SG832	3.3	20	14	62	6	螺纹底孔钻
CSDC D042.017.066.C06 SG832	4.2	24	17	66	6	
CSDC D050.020.066.C06 SG832	5	28	20	66	6	
CSDC D068.024.079.C08 SG832	6.8	34	24	79	8	
CSDC D085.035.089.C10 SG832	8.5	47	35	89	10	
CSDC D102.040.102.C12 SG832	10.2	55	40	102	12	
CSDC D120.040.102.C12 SG832	12	55	40	102	12	
CSDC D030.023.066.C06 SG832	3	28	23	66	6	刃部整数钻头
CSDC D040.029.074.C06 SG832	4	36	29	74	6	
CSDC D050.035.082.C06 SG832	5	44	35	82	6	
CSDC D060.035.082.C06 SG832	6	44	35	82	6	
CSDC D070.043.091.C08 SG832	7	53	43	91	8	
CSDC D080.043.091.C08 SG832	8	53	43	91	8	
CSDC D090.049.103.C10 SG832	9	61	49	103	10	
CSDC D100.019.103.C10 SG832	10	61	49	103	10	
CSDC D110.056.118.C12 SG832	11	71	56	118	12	
CSDC D120.056.118.C12 SG832	12	71	56	118	12	

- 可根据用户的加工要求制造。
- Provide customized service.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
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○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

E 硬质合金刀具

SOLID CARBIDE TOOLS

整体硬质合金铰刀系列

Solid Carbide Reamers

整体硬质合金直槽铰刀（通用型加工） E 033
Straight Flute Solid Carbide Reamer (for General Machining)

整体硬质合金直槽内冷铰刀（中心出水，适合盲孔加工） E 034
Straight Flute Solid Carbide Reamer with Center Internal Coolant (for Blind Hole)

整体硬质合金左旋外冷铰刀（适合通孔加工） E 035
Left-Hand Flute Solid Carbide Reamer with External Coolant (for Through Hole)

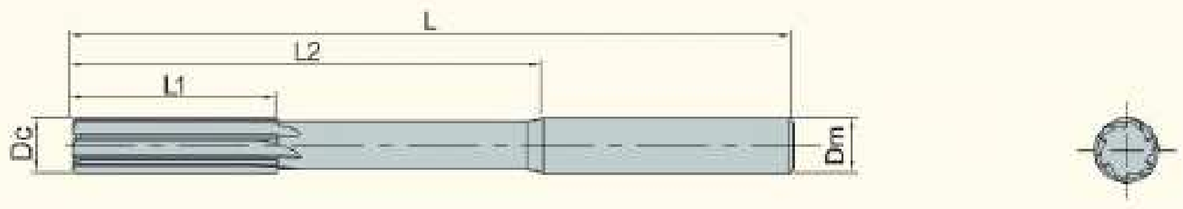
整体硬质合金左旋内冷铰刀（发散出水，适合通孔加工） E 036
Left-Hand Flute Solid Carbide Reamer with Radial Internal Coolant (for Through Hole)

SOLID CARBIDE REAMERS

整体硬质合金铰刀系列

整体硬质合金直槽铰刀（通用型加工）

Straight Flute Solid Carbide Reamer (for General Machining)



规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	颈长 Neck Length	刃长 Flute length	总长 Total length	柄径 Shank diameter	齿数 Z	
	Dc	L2	L1	L	Dm	Z	SG820
6RM7 D0400.019.075.C04	4	44	19	75	4	6	◐
6RM7 D0500.023.086.C05	5	53	23	86	5	6	◐
6RM7 D0600.026.093.C06	6	56	26	93	6	6	◐
6RM7 D0700.031.109.C06	7	69	31	109	6	6	◐
6RM7 D0800.033.117.C08	8	75	33	117	8	6	◐
6RM7 D0900.036.125.C08	9	81	36	125	8	6	◐
6RM7 D1000.038.133.C10	10	87	38	133	10	6	◐
6RM7 D1100.041.142.C10	11	96	41	142	10	6	◐
6RM7 D1200.044.151.C12	12	105	44	151	12	6	◐
6RM7 D1300.044.151.C12	13	105	44	151	12	6	◐
8RM7 D1400.047.160.C14	14	110	47	160	14	8	◐
8RM7 D1500.050.162.C14	15	112	50	162	14	8	◐
8RM7 D1600.052.170.C16	16	120	52	170	16	8	◐

- 大于 10 为焊接结构
- 公差适用于 H7 孔径
- It will be tipped if diameter over than 10.
- Tolerance for H7 hole diameter.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

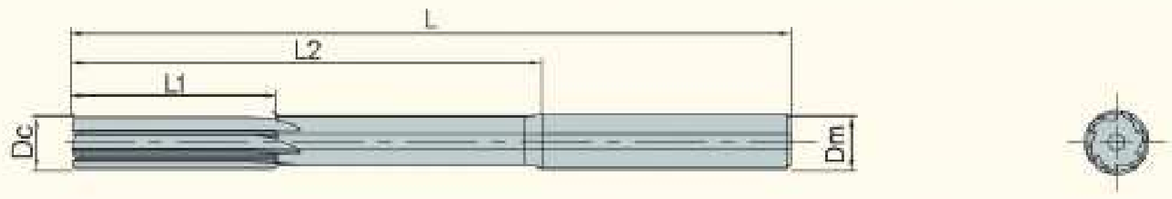
○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE REAMERS

整体硬质合金铰刀系列

整体硬质合金直槽内冷铰刀（中心出水，适合盲孔加工）

Straight Flute Solid Carbide Reamer with Center Internal Coolant (for Blind Hole)



规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	颈长 Neck Length	刃长 Flute length	总长 Total length	柄径 Shank diameter	齿数 Z	
	Dc	L2	L1	L	Dm	Z	SG820
6RMC7 D0500.023.086.C05	5	53	23	86	5	6	◐
6RMC7 D0600.026.093.C06	6	56	26	93	6	6	◐
6RMC7 D0700.031.109.C06	7	69	31	109	6	6	◐
6RMC7 D0800.033.117.C08	8	75	33	117	8	6	◐
6RMC7 D0900.036.125.C08	9	81	36	125	8	6	◐
6RMC7 D1000.038.133.C10	10	87	38	133	10	6	◐
6RMC7 D1100.041.142.C10	11	96	41	142	10	6	◐
6RMC7 D1200.044.151.C12	12	105	44	151	12	6	◐
6RMC7 D1300.044.151.C12	13	105	44	151	12	6	◐
8RMC7 D1400.047.160.C14	14	110	47	160	14	8	◐
8RMC7 D1500.050.162.C14	15	112	50	162	14	8	◐
8RMC7 D1600.052.170.C16	16	120	52	170	16	8	◐

- 大于 10 为焊接结构
- 公差适用于 H7 孔径
- It will be tipped if diameter over than 10.
- Tolerance for H7 hole diameter.

● 标准库存
Item in stock

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Item of short delivery time
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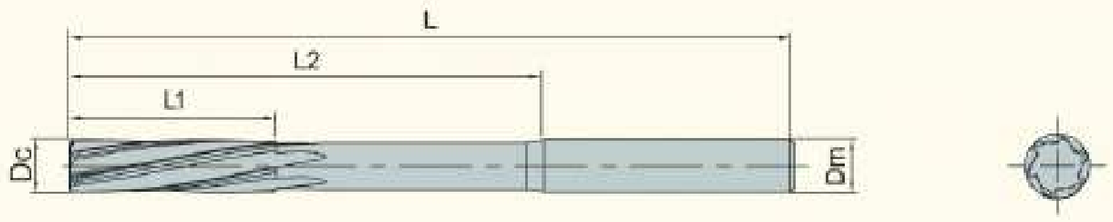
○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE REAMERS

整体硬质合金铰刀系列

整体硬质合金左旋外冷铰刀（适合通孔加工）

Left-Hand Flute Solid Carbide Reamer with External Coolant (for Through Hole)



规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	颈长 Neck Length	刃长 Flute length	总长 Total length	柄径 Shank diameter	齿数 Z	
	Dc	L2	L1	L	Dm	Z	SG820
6RML7 D0400.019.075.C04	4	44	19	75	4	6	◐
6RML7 D0500.023.086.C05	5	53	23	86	5	6	◐
6RML7 D0600.026.093.C06	6	56	26	93	6	6	◐
6RML7 D0700.031.109.C06	7	69	31	109	6	6	◐
6RML7 D0800.033.117.C08	8	75	33	117	8	6	◐
6RML7 D0900.036.125.C08	9	81	36	125	8	6	◐
6RML7 D1000.038.133.C10	10	87	38	133	10	6	◐
6RML7 D1100.041.142.C10	11	96	41	142	10	6	◐
6RML7 D1200.044.151.C12	12	105	44	151	12	6	◐
6RML7 D1300.044.151.C12	13	105	44	151	12	6	◐
8RML7 D1400.047.160.C14	14	110	47	160	14	8	◐
8RML7 D1500.050.162.C14	15	112	50	162	14	8	◐
8RML7 D1600.052.170.C16	16	120	52	170	16	8	◐

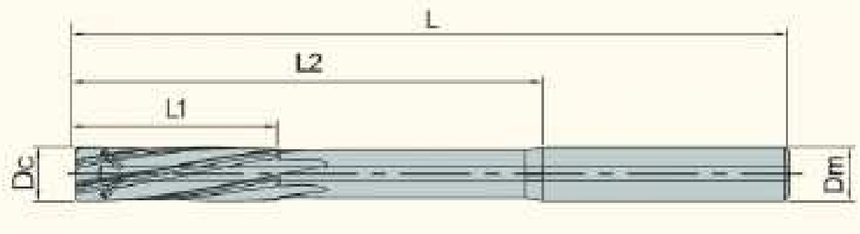
- 大于 10 为焊接结构
- 公差适用于 H7 孔径
- It will be tipped if diameter over than 10.
- Tolerance for H7 hole diameter.

● 标准库存
Item in stock

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Order on demand
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整体硬质合金左旋内冷铰刀（发散出水，适合通孔加工）
Left-Hand Flute Solid Carbide Reamer with Radial Internal Coolant (for Through Hole)





规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	颈长 Neck Length	刃长 Flute length	总长 Total length	柄径 Shank diameter	齿数 Z	
	Dc	L2	L1	L	Dm	Z	SG820
6RMLC7 D0600.026.093.C06	6	56	26	93	6	6	◐
6RMLC7 D0700.031.109.C07	7	69	31	109	6	6	◐
6RMLC7 D0800.033.117.C08	8	75	33	117	8	6	◐
6RMLC7 D0900.036.125.C09	9	81	36	125	8	6	◐
6RMLC7 D1000.038.133.C10	10	87	38	133	10	6	◐
6RMLC7 D1100.041.142.C11	11	96	41	142	10	6	◐
6RMLC7 D1200.044.151.C12	12	105	44	151	12	6	◐
6RMLC7 D1300.044.151.C13	13	105	44	151	12	6	◐
6RMLC7 D1400.047.160.C14	14	110	47	160	14	8	◐
6RMLC7 D1500.050.162.C15	15	112	50	162	14	8	◐
6RMLC7 D1600.052.170.C16	16	120	52	170	16	8	◐

- 大于 10 为焊接结构
- 公差适用于 H7 孔径
- It will be tipped if diameter over than 10.
- Tolerance for H7 hole diameter.

● 标准库存
Item in stock

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Item of short delivery time
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○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

E 037

АНСТЕР

Інжинірингові рішення для промислового виробництва та металообробки

ВИСОКА ТОЧНІСТЬ

СТАБІЛЬНА ПРОДУКТИВНІСТЬ

НАДІЙНІСТЬ У ВИРОБНИЦТВІ

ТВЕРДОСПЛАВНІ КІНЦЕВІ ФРЕЗИ

Інструментальна оснастка для високоточної металообробки

E 硬质合金刀具

SOLID CARBIDE TOOLS

整体硬质合金立铣刀系列

Solid Carbide End Mills

整体硬质合金立铣刀（二刃） E 039
Solid Carbide End Mill /2 Flutes

整体硬质合金立铣刀（三刃） E 039
Solid Carbide End Mill /3 Flutes

整体硬质合金立铣刀（四刃） E 040
Solid Carbide End Mill /4 Flutes

整体硬质合金圆角铣刀（二刃/ 四刃） E 041
Solid Carbide Corner Radius End Mill 2/4 Flutes

整体硬质合金圆角铣刀（难加工材料适用） E 043
Solid Carbide Corner Radius End Mill (for Tough Material)

整体硬质合金球头铣刀（二刃/ 四刃） E 047
Solid Carbide Ball End Mill 2/4 Flutes

整体硬质合金铝加工铣刀（二刃/ 三刃/ 四刃） E 048
Solid Carbide End Mill for Aluminum /2 Flutes

整体硬质合金快进给铣刀（四刃） E 049
Fast Feed Solid Carbide End Mill /4 Flutes

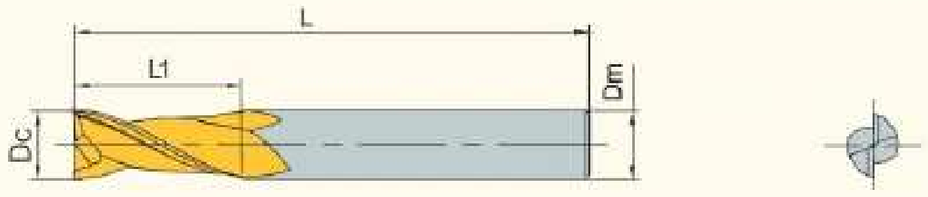
整体硬质合金快进给铣刀（难加工材料适用） E 050
Fast Feed Solid Carbide End Mill (for Tough Material)

高速铝合金铣刀 E 051
HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

SOLID CARBIDE END MILLS

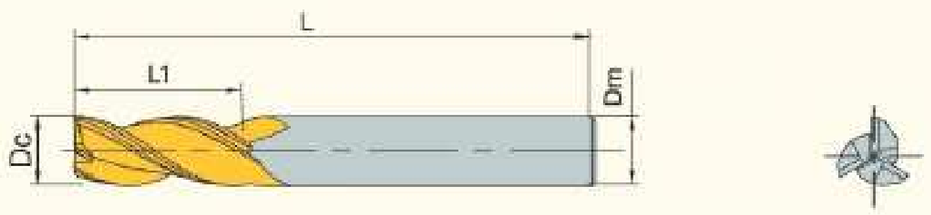
整体硬质合金立铣刀系列

整体硬质合金立铣刀（二刃）
Solid Carbide End Mill /2 Flutes



规格型号 Designation	基本尺寸 Dimension				在库 Stock	
	刃径 Diameter	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L	Dm	SG830	SG330
2EM D030.008.50.C03	3	8	50	3	◐	◐
2EM D040.011.50.C04	4	11	50	4	◐	◐
2EM D050.013.50.C05	5	13	50	5	◐	◐
2EM D060.016.50.C06	6	16	50	6	◐	◐
2EM D080.020.60.C08	8	20	60	8	◐	◐
2EM D100.025.75.C10	10	25	75	10	◐	◐
2EM D120.030.75.C12	12	30	75	12	◐	◐
2EM D140.035.80.C14	14	35	80	14	◐	◐
2EM D160.040.100.C16	16	40	100	16	◐	◐
2EM D180.040.100.C18	18	40	100	18	◐	◐
2EM D200.045.100.C20	20	45	100	20	◐	◐

整体硬质合金立铣刀（三刃）
Solid Carbide End Mill /3 Flutes



规格型号 Designation	基本尺寸 Dimension				在库 Stock	
	刃径 Diameter	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	L1	L	Dm	SG830	SG330
3EM D030.008.50.C03	3	8	50	3	◐	◐
3EM D040.011.50.C04	4	11	50	4	◐	◐
3EM D050.013.50.C05	5	13	50	5	◐	◐
3EM D060.016.50.C06	6	16	50	6	◐	◐
3EM D080.020.60.C08	8	20	60	8	◐	◐
3EM D100.025.75.C10	10	25	75	10	◐	◐
3EM D120.030.75.C12	12	30	75	12	◐	◐
3EM D140.035.80.C14	14	35	80	14	◐	◐
3EM D160.040.100.C16	16	40	100	16	◐	◐
3EM D180.040.100.C18	18	40	100	18	◐	◐
3EM D200.045.100.C20	20	45	100	20	◐	◐

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE END MILLS

整体硬质合金立铣刀系列

整体硬质合金立铣刀（四刃）
Solid Carbide End Mill /4 Flutes



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	刃长 Flute length	总长 Total length	柄径 Shank diameter	齿数 Z		
	Dc	L1	L	Dm	Z	SG330	SG830
4EM D030.008.50.C03	3	8	50	3	4	◐	◐
4EM D040.011.50.C04	4	11	50	4	4	◐	◐
4EM D050.013.50.C05	5	13	50	5	4	◐	◐
4EM D060.016.50.C06	6	16	50	6	4	◐	◐
4EM D080.020.60.C08	8	20	60	8	4	◐	◐
4EM D100.025.75.C10	10	25	75	10	4	◐	◐
4EM D120.030.75.C12	12	30	75	12	4	◐	◐
4EM D140.035.80.C14	14	35	80	14	4	◐	◐
4EM D160.040.100.C16	16	40	100	16	4	◐	◐
4EM D180.040.100.C18	18	40	100	18	4	◐	◐
4EM D200.045.100.C20	20	45	100	20	4	◐	◐

● 标准库存
Item in stock

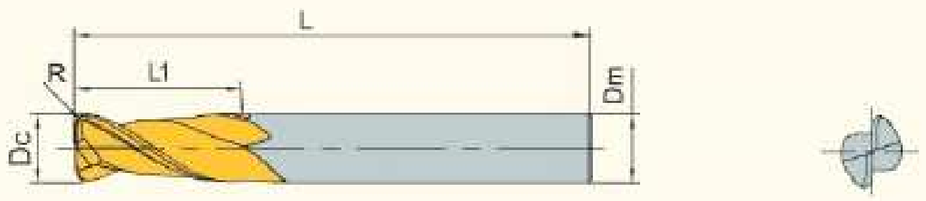
◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE END MILLS

整体硬质合金立铣刀系列

整体硬质合金圆角铣刀（二刃）
Solid Carbide Corner Radius End Mill /2 Flutes



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	圆角 Round corner	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	R	L1	L	Dm	SG830	SG330
2EMR D030.02.008.50.C03	3	0.2	8	50	3	◐	◐
2EMR D030.03.008.50.C03	3	0.3	8	50	3	◐	◐
2EMR D030.05.008.50.C03	3	0.5	8	50	3	◐	◐
2EMR D040.03.011.50.C04	4	0.3	11	50	4	◐	◐
2EMR D040.05.011.50.C04	4	0.5	11	50	4	◐	◐
2EMR D040.10.011.50.C04	4	1	11	50	4	◐	◐
2EMR D050.03.013.50.C05	5	0.3	13	50	5	◐	◐
2EMR D050.05.013.50.C05	5	0.5	13	50	5	◐	◐
2EMR D050.10.013.50.C05	5	1	13	50	5	◐	◐
2EMR D060.03.016.50.C06	6	0.3	16	50	6	◐	◐
2EMR D060.05.016.50.C06	6	0.5	16	50	6	◐	◐
2EMR D060.10.016.50.C06	6	1	16	50	6	◐	◐
2EMR D080.03.020.60.C08	8	0.3	20	60	8	◐	◐
2EMR D080.05.020.60.C08	8	0.5	20	60	8	◐	◐
2EMR D080.10.020.60.C08	8	1	20	60	8	◐	◐
2EMR D100.05.025.75.C10	10	0.5	25	75	10	◐	◐
2EMR D100.10.025.75.C10	10	1	25	75	10	◐	◐
2EMR D100.15.025.75.C10	10	1.5	25	75	10	◐	◐
2EMR D120.05.030.75.C12	12	0.5	30	75	12	◐	◐
2EMR D120.10.030.75.C12	12	1	30	75	12	◐	◐
2EMR D120.15.030.75.C12	12	1.5	30	75	12	◐	◐
2EMR D120.20.030.75.C12	12	2	30	75	12	◐	◐
2EMR D140.05.035.80.C14	14	0.5	35	80	14	◐	◐
2EMR D140.10.035.80.C14	14	1	35	80	14	◐	◐
2EMR D140.15.035.80.C14	14	1.5	35	80	14	◐	◐
2EMR D140.20.035.80.C14	14	2	35	80	14	◐	◐
2EMR D160.05.040.100.C16	16	0.5	40	100	16	◐	◐
2EMR D160.10.040.100.C16	16	1	40	100	16	◐	◐
2EMR D160.15.040.100.C16	16	1.5	40	100	16	◐	◐
2EMR D160.20.040.100.C16	16	2	40	100	16	◐	◐
2EMR D180.05.040.100.C18	18	0.5	40	100	18	◐	◐
2EMR D180.10.040.100.C18	18	1	40	100	18	◐	◐
2EMR D180.15.040.100.C18	18	1.5	40	100	18	◐	◐
2EMR D180.20.040.100.C18	18	2	40	100	18	◐	◐
2EMR D200.05.045.100.C20	20	0.5	45	100	20	◐	◐
2EMR D200.10.045.100.C20	20	1	45	100	20	◐	◐
2EMR D200.15.045.100.C20	20	1.5	45	100	20	◐	◐
2EMR D200.20.045.100.C20	20	2	45	100	20	◐	◐

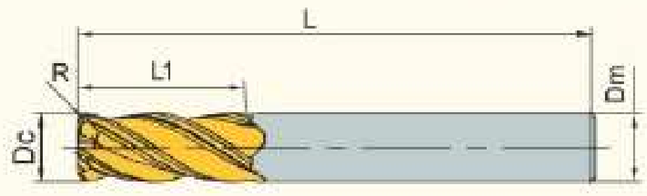
- 可根据用户的加工要求制造。
- Providing customized requirements.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

整体硬质合金圆角铣刀（四刃）
Solid Carbide Corner Radius End Mill /4 Flutes



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	圆角 Round corner	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	R	L1	L	Dm	SG830	SG330
4EMR D030.020.008.50.C03	3	0.2	8	50	3	◐	◐
4EMR D030.030.008.50.C03	3	0.3	8	50	3	◐	◐
4EMR D030.050.008.50.C03	3	0.5	8	50	3	◐	◐
4EMR D040.03.011.50.C04	4	0.3	11	50	4	◐	◐
4EMR D040.05.011.50.C04	4	0.5	11	50	4	◐	◐
4EMR D040.10.011.50.C04	4	1	11	50	4	◐	◐
4EMR D050.03.013.50.C05	5	0.3	13	50	5	◐	◐
4EMR D050.05.013.50.C05	5	0.5	13	50	5	◐	◐
4EMR D050.10.013.50.C05	5	1	13	50	5	◐	◐
4EMR D060.03.016.50.C06	6	0.3	16	50	6	◐	◐
4EMR D060.05.016.50.C06	6	0.5	16	50	6	◐	◐
4EMR D060.10.016.50.C06	6	1	16	50	6	◐	◐
4EMR D080.03.020.60.C08	8	0.3	20	60	8	◐	◐
4EMR D080.05.020.60.C08	8	0.5	20	60	8	◐	◐
4EMR D080.10.020.60.C08	8	1	20	60	8	◐	◐
4EMR D100.05.025.75.C10	10	0.5	25	75	10	◐	◐
4EMR D100.10.025.75.C10	10	1	25	75	10	◐	◐
4EMR D100.15.025.75.C10	10	1.5	25	75	10	◐	◐
4EMR D120.05.030.75.C12	12	0.5	30	75	12	◐	◐
4EMR D120.10.030.75.C12	12	1	30	75	12	◐	◐
4EMR D120.15.030.75.C12	12	1.5	30	75	12	◐	◐
4EMR D120.20.030.75.C12	12	2	30	75	12	◐	◐
4EMR D140.05.035.80.C14	14	0.5	35	80	14	◐	◐
4EMR D140.10.035.80.C14	14	1	35	80	14	◐	◐
4EMR D140.15.035.80.C14	14	1.5	35	80	14	◐	◐
4EMR D140.20.035.80.C14	14	2	35	80	14	◐	◐
4EMR D160.05.040.100.C16	16	0.5	40	100	16	◐	◐
4EMR D160.10.040.100.C16	16	1	40	100	16	◐	◐
4EMR D160.15.040.100.C16	16	1.5	40	100	16	◐	◐
4EMR D160.20.040.100.C16	16	2	40	100	16	◐	◐
4EMR D180.05.040.100.C18	18	0.5	40	100	18	◐	◐
4EMR D180.10.040.100.C18	18	1	40	100	18	◐	◐
4EMR D180.15.040.100.C18	18	1.5	40	100	18	◐	◐
4EMR D180.20.040.100.C18	18	2	40	100	18	◐	◐
4EMR D200.05.045.100.C20	20	0.5	45	100	20	◐	◐
4EMR D200.10.045.100.C20	20	1	45	100	20	◐	◐
4EMR D200.15.045.100.C20	20	1.5	45	100	20	◐	◐
4EMR D200.20.045.100.C20	20	2	45	100	20	◐	◐

- 可根据用户的加工要求制造。
- Providing customized requirements.

● 标准库存
Item in stock

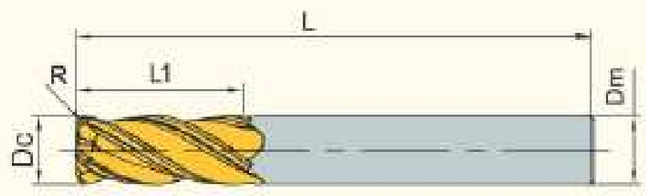
◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE END MILLS

整体硬质合金立铣刀系列

硬质合金圆角立铣刀（四刃、难加工材料适用、2 倍径刃长）
Solid Carbide Corner Radius End Mill / 4 Flutes (for Tough Material)





规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	总长 Total length	柄径 Shank diameter	齿数	
	Dc	R	L1	L	Dm	Z	SG530
4EMR D040.030.008.50.C04	4	0.3	8	50	4	4	○
4EMR D040.050.008.50.C04	4	0.5	8	50	4	4	○
4EMR D050.030.010.50.C05	5	0.3	10	50	5	4	○
4EMR D050.050.010.50.C05	5	0.5	10	50	5	4	○
4EMR D060.030.012.60.C06	6	0.3	12	60	6	4	○
4EMR D060.050.012.60.C06	6	0.5	12	60	6	4	○
4EMR D080.050.016.65.C08	8	0.5	16	65	8	4	○
4EMR D100.050.020.75.C10	10	0.5	20	75	10	4	○
4EMR D100.080.020.75.C10	10	0.8	20	75	10	4	○
4EMR D120.050.024.90.C12	12	0.5	24	90	12	4	○
4EMR D120.080.024.90.C12	12	0.8	24	90	12	4	○
4EMR D120.25.024.90.C12	12	2.5	24	90	12	4	○
4EMR D140.050.028.95.C14	14	0.5	28	95	14	4	○
4EMR D160.040.032.100.C16	16	0.5	32	100	16	4	○
4EMR D160.080.032.100.C16	16	0.8	32	100	16	4	○
4EMR D160.25.032.100.C16	16	2.5	32	100	16	4	○
4EMR D160.30.032.100.C16	16	3	32	100	16	4	○
4EMR D200.050.040.110.C20	20	0.5	40	110	20	4	○
4EMR D200.080.040.110.C20	20	0.8	40	110	20	4	○
4EMR D200.25.040.110.C20	20	2.5	40	110	20	4	○
4EMR D200.30.040.110.C20	20	3	40	110	20	4	○
4EMR D200.40.040.110.C20	20	4	40	110	20	4	○

- 可根据用户的加工要求制造。
- Providing customized requirements.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

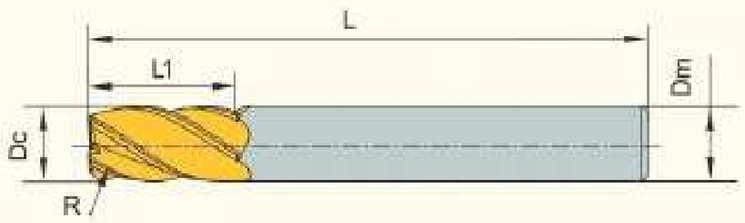
○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE END MILLS

整体硬质合金立铣刀系列

硬质合金圆角立铣刀（五刃、难加工材料适用、高性能、2 倍径刃长）

High Performance Solid Carbide Corner Radius End Mill / 5 Flutes (for Tough Material)



规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	总长 Total length	柄径 Shank diameter	齿数	
	Dc	R	L1	L	Dm	Z	SG530P
5EMR D040.030.008.50.C04	4	0.3	8	50	4	5	○
5EMR D040.050.008.50.C04	4	0.5	8	50	4	5	○
5EMR D050.030.010.50.C05	5	0.3	10	50	5	5	○
5EMR D050.050.010.50.C05	5	0.5	10	50	5	5	○
5EMR D060.030.012.60.C06	6	0.3	12	60	6	5	○
5EMR D060.050.012.60.C06	6	0.5	12	60	6	5	○
5EMR D080.050.016.65.C08	8	0.5	16	65	8	5	○
5EMR D100.050.020.75.C10	10	0.5	20	75	10	5	○
5EMR D100.080.020.75.C10	10	0.8	20	75	10	5	○
5EMR D120.050.024.90.C12	12	0.5	24	90	12	5	○
5EMR D120.080.024.90.C12	12	0.8	24	90	12	5	○
5EMR D120.25.024.90.C12	12	2.5	24	90	12	5	○
5EMR D140.050.028.95.C14	14	0.5	28	95	14	5	○
5EMR D160.040.032.100.C16	16	0.5	32	100	16	5	○
5EMR D160.080.032.100.C16	16	0.8	32	100	16	5	○
5EMR D160.25.032.100.C16	16	2.5	32	100	16	5	○
5EMR D160.30.032.100.C16	16	3	32	100	16	5	○
5EMR D200.050.040.110.C20	20	0.5	40	110	20	5	○
5EMR D200.080.040.110.C20	20	0.8	40	110	20	5	○
5EMR D200.25.040.110.C20	20	2.5	40	110	20	5	○
5EMR D200.30.040.110.C20	20	3	40	110	20	5	○
5EMR D200.40.040.110.C20	20	4	40	110	20	5	○

- 可根据用户的加工要求制造。
- Providing customized requirements.

● 标准库存
Item in stock

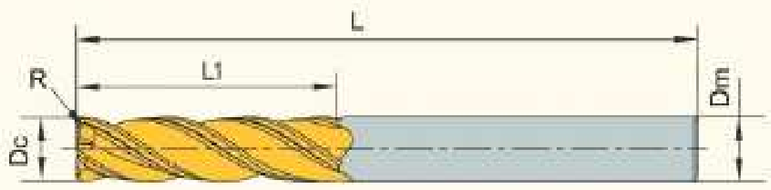
◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE END MILLS

整体硬质合金立铣刀系列

硬质合金圆角立铣刀（四刃、难加工材料适用、加长4 倍径）
Solid Carbide Corner Radius End Mill / 4 Flutes (for Tough Material)



规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	总长 Total length	柄径 Shank diameter	齿数	
	Dc	R	L1	L	Dm	Z	SG530
4EMR D060.030.024.68.C06	6	0.3	24	68	6	4	○
4EMR D080.050.032.80.C08	8	0.5	32	80	8	4	○
4EMR D100.050.040.95.C10	10	0.5	40	95	10	4	○
4EMR D100.080.040.95.C10	10	0.8	40	95	10	4	○
4EMR D120.050.048.107.C12	12	0.5	48	107	12	4	○
4EMR D120.080.048.107.C12	12	0.8	48	107	12	4	○
4EMR D120.25.048.107.C12	12	2.5	48	107	12	4	○
4EMR D140.050.056.119.C14	14	0.5	56	119	14	4	○
4EMR D160.050.064.128.C16	16	0.5	64	128	16	4	○
4EMR D160.080.064.128.C16	16	0.8	64	128	16	4	○
4EMR D160.25.064.128.C16	16	2.5	64	128	16	4	○
4EMR D160.30.064.128.C16	16	3	64	128	16	4	○
4EMR D200.050.080.150.C20	20	0.5	80	150	20	4	○
4EMR D200.080.080.150.C20	20	0.8	80	150	20	4	○
4EMR D200.25.080.150.C20	20	2.5	80	150	20	4	○
4EMR D200.30.080.150.C20	20	3	80	150	20	4	○
4EMR D200.40.080.140.C20	20	4	80	150	20	4	○

- 可根据用户的加工要求制造。
- Providing customized requirements.

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE END MILLS

整体硬质合金立铣刀系列

硬质合金圆角立铣刀（难加工材料适用、高性能、加长4 倍径）

High Performance Solid Carbide Corner Radius End Mill (for Tough Material, 4XD)



规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	总长 Total length	柄径 Shank diameter	齿数	
	Dc	R	L1	L	Dm	Z	SG530P
5EMR D060.030.024.68.C06	6	0.3	24	68	6	5	○
5EMR D080.050.032.80.C08	8	0.5	32	80	8	5	○
5EMR D100.050.040.95.C10	10	0.5	40	95	10	5	○
5EMR D100.080.040.95.C10	10	0.8	40	95	10	5	○
5EMR D120.050.048.107.C12	12	0.5	48	107	12	5	○
5EMR D120.080.048.107.C12	12	0.8	48	107	12	5	○
5EMR D120.25.048.107.C12	12	2.5	48	107	12	5	○
5EMR D140.050.056.119.C14	14	0.5	56	119	14	5	○
5EMR D160.050.064.128.C16	16	0.5	64	128	16	5	○
5EMR D160.080.064.128.C16	16	0.8	64	128	16	5	○
5EMR D160.25.064.128.C16	16	2.5	64	128	16	5	○
5EMR D160.30.064.128.C16	16	3	64	128	16	5	○
5EMR D200.050.080.150.C20	20	0.5	80	150	20	5	○
5EMR D200.080.080.150.C20	20	0.8	80	150	20	5	○
5EMR D200.25.080.150.C20	20	2.5	80	150	20	5	○
5EMR D200.30.080.150.C20	20	3	80	150	20	5	○
5EMR D200.40.080.140.C20	20	4	80	140	20	5	○

- 可根据用户的加工要求制造。
- Providing customized requirements.

● 标准库存
Item in stock

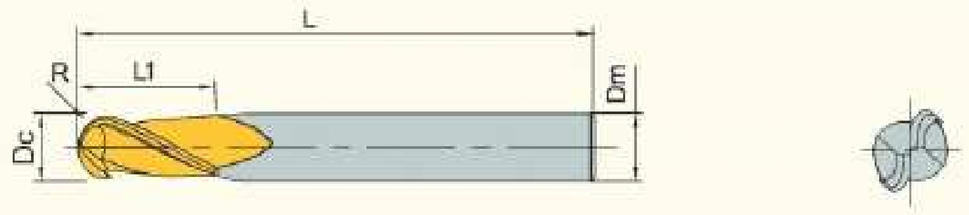
◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE END MILLS

整体硬质合金立铣刀系列

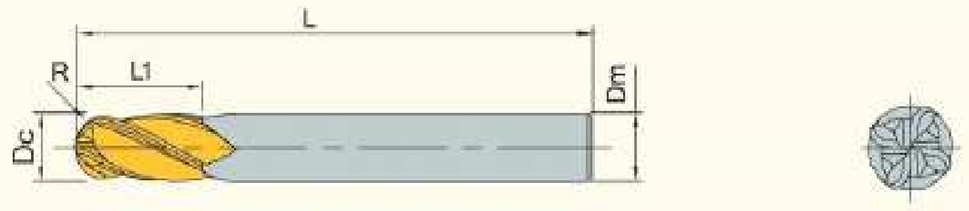
整体硬质合金球头铣刀（二刃）
Solid Carbide Ball End Mill /2 Flutes



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	圆角 Round corner	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	R	L1	L	Dm	SG830	SG230
2EMB R015.006.50.C03	3	1.5	6	50	3	◐	◐
2EMB R020.008.50.C04	4	2	8	50	4	◐	◐
2EMB R025.010.50.C05	5	2.5	10	50	5	◐	◐
2EMB R030.012.50.C06	6	3	12	50	6	◐	◐
2EMB R035.014.60.C08	7	3.5	14	60	8	◐	◐
2EMB R040.016.60.C08	8	4	16	60	8	◐	◐
2EMB R045.018.75.C10	9	4.5	18	75	10	◐	◐
2EMB R050.020.75.C10	10	5	20	75	10	◐	◐
2EMB R060.024.75.C12	12	6	24	75	12	◐	◐
2EMB R070.028.75.C14	14	7	28	75	14	◐	◐
2EMB R080.032.100.C16	16	8	32	100	16	◐	◐
2EMB R100.040.100.C20	20	10	40	100	20	◐	◐

硬质合金刀具 SOLID CARBIDE TOOLS

整体硬质合金球头铣刀（四刃）
Solid Carbide Ball End Mill /4 Flutes



规格型号 Designation	基本尺寸 Dimension					在库 Stock	
	刃径 Diameter	圆角 Round corner	刃长 Flute length	总长 Total length	柄径 Shank diameter		
	Dc	R	L1	L	Dm	SG830	SG230
4EMB R015.006.50.C03	3	1.5	6	50	3	◐	◐
4EMB R020.008.50.C04	4	2	8	50	4	◐	◐
4EMB R025.010.50.C05	5	2.5	10	50	5	◐	◐
4EMB R030.012.50.C06	6	3	12	50	6	◐	◐
4EMB R040.016.60.C08	8	4	16	60	8	◐	◐
4EMB R050.020.75.C10	10	5	20	75	10	◐	◐
4EMB R060.024.75.C12	12	6	24	75	12	◐	◐
4EMB R070.028.75.C14	14	7	28	75	14	◐	◐
4EMB R080.032.100.C16	16	8	32	100	16	◐	◐
4EMB R090.036.100.C18	18	9	36	100	18	◐	◐
4EMB R100.040.100.C20	20	10	40	100	20	◐	◐

● 标准库存
Item in stock

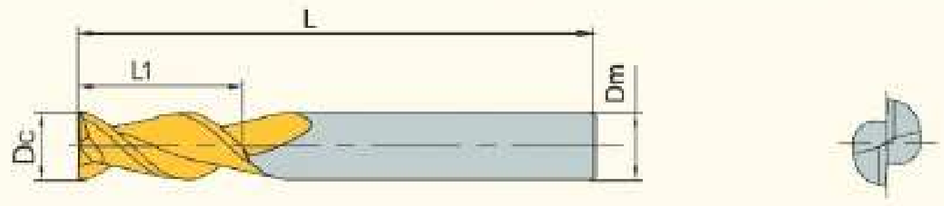
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Item of short delivery time
(plese confirm delivery time when ordering it)

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(plese confirm delivery time when ordering it)

SOLID CARBIDE END MILLS

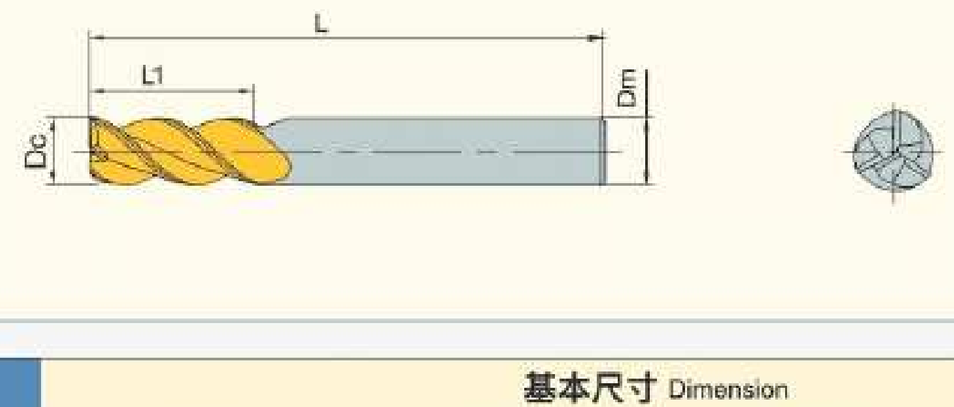
整体硬质合金立铣刀系列

整体硬质合金铝加工铣刀（二刃）
Solid Carbide End Mill for Aluminum /2 Flutes



规格型号 Designation	基本尺寸 Dimension				在库 Stock
	刃径 Diameter	刃长 Flute length	总长 Total length	柄径 Shank diameter	
	Dc	L1	L	Dm	SG430
2EM D030.008.50.C03	3	8	50	3	◐
2EM D040.011.50.C04	4	11	50	4	◐
2EM D050.013.50.C05	5	13	50	5	◐
2EM D060.016.50.C06	6	16	50	6	◐
2EM D080.020.60.C08	8	20	60	8	◐
2EM D100.025.75.C10	10	25	75	10	◐
2EM D120.030.75.C12	12	30	75	12	◐
2EM D140.035.80.C14	14	35	80	14	◐
2EM D160.040.100.C16	16	40	100	16	◐
2EM D180.040.100.C18	18	40	100	18	◐
2EM D200.045.100.C20	20	45	100	20	◐

整体硬质合金铝加工铣刀（三刃）
Solid Carbide End Mill for Aluminum /3 Flutes



规格型号 Designation	基本尺寸 Dimension				在库 Stock
	刃径 Diameter	刃长 Flute length	总长 Total length	柄径 Shank diameter	
	Dc	L1	L	Dm	SG430
3EM D030.008.50.C03	3	8	50	3	◐
3EM D040.011.50.C04	4	11	50	4	◐
3EM D050.013.50.C05	5	13	50	5	◐
3EM D060.016.50.C06	6	16	50	6	◐
3EM D080.020.60.C08	8	20	60	8	◐
3EM D100.025.75.C10	10	25	75	10	◐
3EM D120.030.75.C12	12	30	75	12	◐
3EM D140.035.80.C14	14	35	80	14	◐
3EM D160.040.100.C16	16	40	100	16	◐
3EM D180.040.100.C18	18	40	100	18	◐
3EM D200.045.100.C20	20	45	100	20	◐

● 标准库存 Item in stock

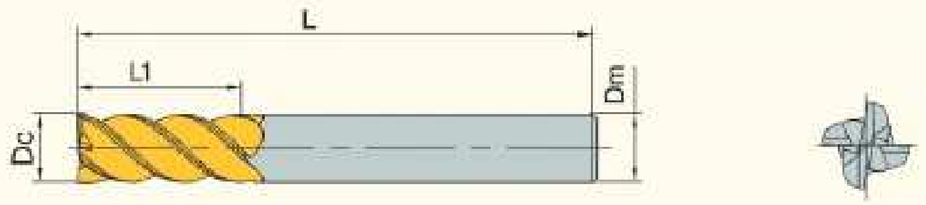
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SOLID CARBIDE END MILLS

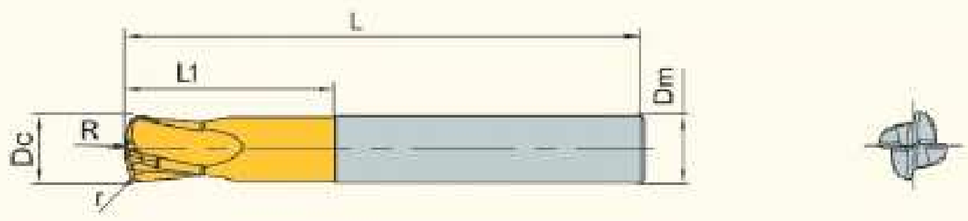
整体硬质合金立铣刀系列

整体硬质合金铝加工铣刀（四刃）
Solid Carbide End Mill for Aluminum /4 Flutes



规格型号 Designation	基本尺寸 Dimension				在库 Stock
	刃径 Diameter	刃长 Drilling depth	总长 Total length	柄径 Shank diameter	
	Dc	L1	L	Dm	SG430
4EM D030.008.50.C03	3	8	50	3	◐
4EM D040.011.50.C04	4	11	50	4	◐
4EM D050.013.50.C05	5	13	50	5	◐
4EM D060.016.50.C06	6	16	50	6	◐
4EM D080.020.60.C08	8	20	60	8	◐
4EM D100.025.75.C10	10	25	75	10	◐
4EM D120.030.75.C12	12	30	75	12	◐
4EM D140.035.80.C14	14	35	80	14	◐
4EM D160.040.100.C16	16	40	100	16	◐
4EM D180.040.100.C18	18	40	100	18	◐
4EM D200.045.100.C20	20	45	100	20	◐

整体硬质合金快进给铣刀（四刃）
Fast Feed Solid Carbide End Mill /4 Flutes



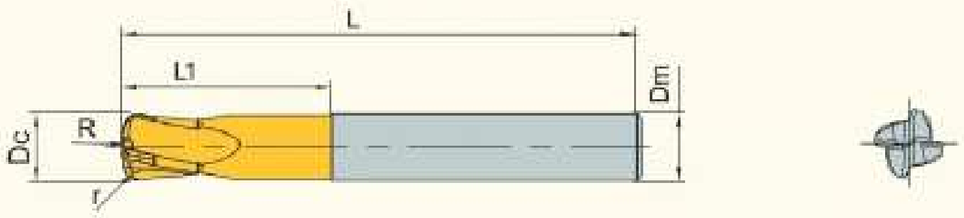
规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	底部圆弧 Bottom of arc	倒圆角 Rounding	颈长 Neck length	总长 Total length	柄径 Shank diameter	
	Dc	R	r	L1	L	Dm	SG830
4EMH D060.R090.r122.020.57.C06	6	9	1.22	20	57	6	◐
4EMH D080.R120.r162.026.65.C08	8	12	1.62	26	65	8	◐
4EMH D100.R135.r201.030.75.C10	10	13.58	2.01	30	75	10	◐
4EMH D120.R160.r247.034.85.C12	12	16	2.47	34	85	12	◐
4EMH D140.R200.r288.038.85.C14	14	20	2.88	38	85	14	◐
4EMH D160.R268.r325.042.90.C16	16	26.84	3.25	42	90	16	◐
4EMH D180.R302.r366.045.95.C18	18	30.2	3.66	45	95	18	◐
4EMH D200.R177.r402.046.105.C20	20	17.7	4.02	46	105	20	◐

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
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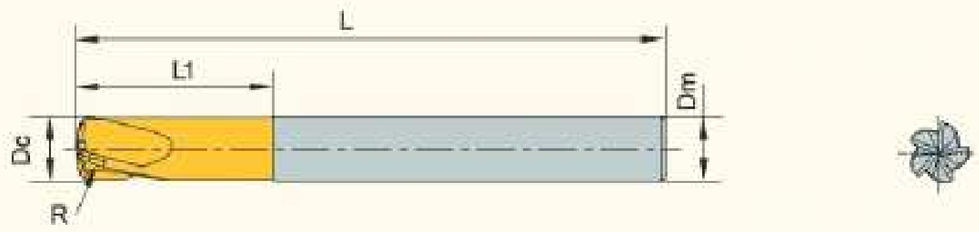
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Order on demand
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硬质合金快速进给铣刀（四刃、难加工材料适用）
Fast Feed Solid Carbide End Mill /4 Flutes (for Tough Material)



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	底部圆弧 Bottom of arc	倒圆角 Rounding	颈长 Neck length	总长 Total length	柄径 Shank diameter	齿数	
	Dc	R	r	L1	L	Dm	Z	SG530
4EMH D060.R090.r122.020.57.C06	6	9	1.22	20	57	6	4	○
4EMH D080.R120.r162.026.65.C08	8	12	1.62	26	65	8	4	○
4EMH D100.R135.r201.030.75.C10	10	13.58	2.01	30	75	10	4	○
4EMH D120.R160.r247.034.85.C12	12	16	2.47	34	85	12	4	○
4EMH D140.R200.r288.038.85.C14	14	20	2.88	38	85	14	4	○
4EMH D160.R268.r325.042.90.C16	16	26.84	3.25	42	90	16	4	○
4EMH D180.R302.r366.045.95.C18	18	30.2	3.66	45	95	18	4	○
4EMH D200.R177.r402.046.105.C20	20	17.7	4.02	46	105	20	4	○

硬质合金快速进给铣刀（五刃、高性能、难加工材料适用）
High Performance Fast Feed Solid Carbide End Mill /5 Flutes (for Tough Material)



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	底部圆弧 Bottom of arc	倒圆角 Rounding	颈长 Neck length	总长 Total length	柄径 Shank diameter	齿数	
	Dc	R	r	L1	L	Dm	Z	SG530P
5EMH D060.R090.r122.020.57.C06	6	9	1.22	20	57	6	5	○
5EMH D080.R120.r162.026.65.C08	8	12	1.62	26	65	8	5	○
5EMH D100.R135.r201.030.75.C10	10	13.58	2.01	30	75	10	5	○
5EMH D120.R160.r247.034.85.C12	12	16	2.47	34	85	12	5	○
5EMH D140.R200.r288.038.85.C14	14	20	2.88	38	85	14	5	○
5EMH D160.R268.r325.042.90.C16	16	26.84	3.25	42	90	16	5	○
5EMH D180.R302.r366.045.95.C18	18	30.2	3.66	45	95	18	5	○
5EMH D200.R177.r402.046.105.C20	20	17.7	4.02	46	105	20	5	○

● 标准库存
Item in stock

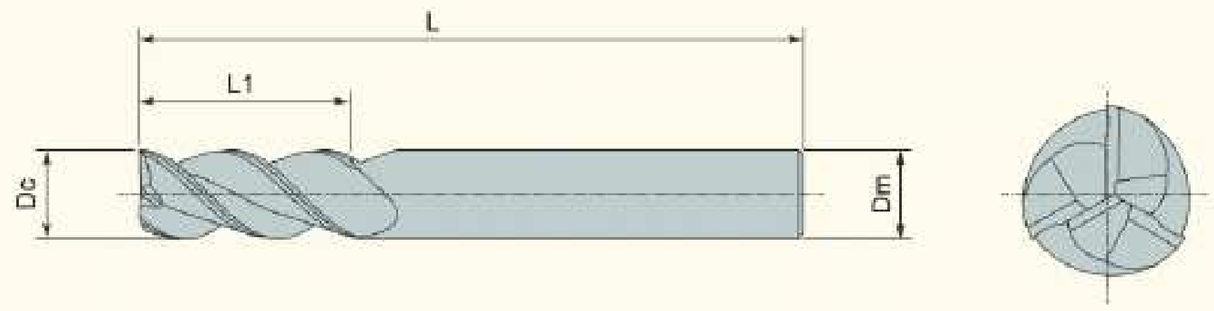
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Order on demand
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HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

三刃尖角高速铝合金铣刀
Three Blade Sharp Angle High-Speed Aluminum Alloy Milling Cutter



规格型号 Designation	基本尺寸 Dimension				加工材质 Material
	刃径 Diameter	刃长 Flute length	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	L1	L	Dm	
3EM D060.016.050.C06-HS430	6	16	50	6	◐
3EM D080.020.060.C08-HS430	8	20	60	8	◐
3EM D080.025.075.C08-HS430	8	25	75	8	◐
3EM D100.025.075.C10-HS430	10	25	75	10	◐
3EM D120.035.075.C12-HS430	12	30	75	12	◐
3EM D160.036.100.C16-HS430	16	36	100	16	◐
3EM D200.038.100.C20-HS430	20	38	100	20	◐

● 标准库存
Item in stock

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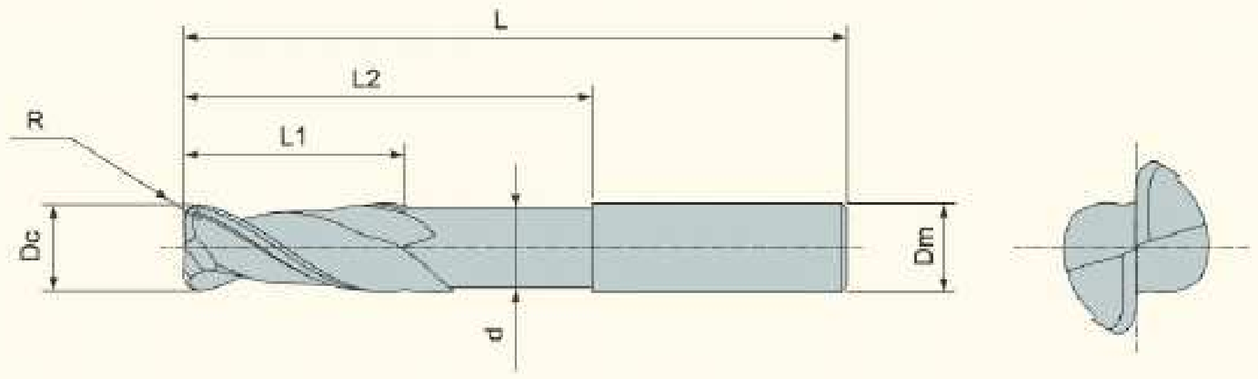
○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

两刃圆角长颈高速铝合金铣刀

Two Edge Rounded Long Neck High-Speed Aluminum Alloy Milling Cutter



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	缩颈长 Shrink neck length	缩颈直径 Necking diameter	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	R	L1	L2	d	L	Dm	
2EMR D060.R02.010.D055.020.060.C06-HS430	6	0.2	10	20	5.5	60	6	◐
2EMR D060.R02.010.D055.040.080.C06-HS430	6	0.2	10	40	5.5	80	6	◐
2EMR D060.R1.010.D055.020.060.C06-HS430	6	1	10	20	5.5	60	6	◐
2EMR D060.R1.010.D055.030.075.C06-HS430	6	1	10	30	5.5	75	6	◐
2EMR D060.R1.010.D055.040.080.C06-HS430	6	1	10	40	5.5	80	6	◐
2EMR D060.R2.010.D055.020.060.C06-HS430	6	2	10	20	5.5	60	6	◐
2EMR D060.R2.010.D055.040.080.C06-HS430	6	2	10	40	5.5	80	6	◐
2EMR D080.R02.010.D075.030.075.C08-HS430	8	0.2	10	30	7.5	75	8	◐
2EMR D080.R02.010.D075.050.090.C08-HS430	8	0.2	10	50	7.5	90	8	◐
2EMR D080.R1.010.D075.030.075.C08-HS430	8	1	10	30	7.5	75	8	◐
2EMR D080.R1.010.D075.040.080.C08-HS430	8	1	10	40	7.5	80	8	◐
2EMR D080.R1.010.D075.050.090.C08-HS430	8	1	10	50	7.5	90	8	◐
2EMR D080.R2.010.D075.030.075.C08-HS430	8	2	10	30	7.5	75	8	◐
2EMR D080.R2.010.D075.050.090.C08-HS430	8	2	10	50	7.5	90	8	◐
2EMR D080.R3.010.D075.040.080.C08-HS430	8	3	10	40	7.5	80	8	◐
2EMR D080.R3.010.D075.050.090.C08-HS430	8	3	10	50	7.5	90	8	◐
2EMR D100.R02.012.D095.030.075.C10-HS430	10	0.2	12	30	9.5	75	10	◐
2EMR D100.R02.012.D095.040.080.C10-HS430	10	0.2	12	40	9.5	80	10	◐
2EMR D100.R02.012.D095.050.090.C10-HS430	10	0.2	12	50	9.5	90	10	◐
2EMR D100.R1.012.D095.030.075.C10-HS430	10	1	12	30	9.5	75	10	◐
2EMR D100.R1.012.D095.040.080.C10-HS430	10	1	12	40	9.5	80	10	◐
2EMR D100.R1.012.D095.050.090.C10-HS430	10	1	12	50	9.5	90	10	◐
2EMR D100.R2.012.D095.030.075.C10-HS430	10	2	12	30	9.5	75	10	◐
2EMR D100.R2.012.D095.050.090.C10-HS430	10	2	12	50	9.5	90	10	◐
2EMR D100.R3.012.D095.030.075.C10-HS430	10	3	12	30	9.5	75	10	◐
2EMR D100.R3.012.095.040.080.C10-HS430	10	3	12	40	9.5	80	10	◐
2EMR D100.R3.012.D095.050.090.C10-HS430	10	3	12	50	9.5	90	10	◐

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
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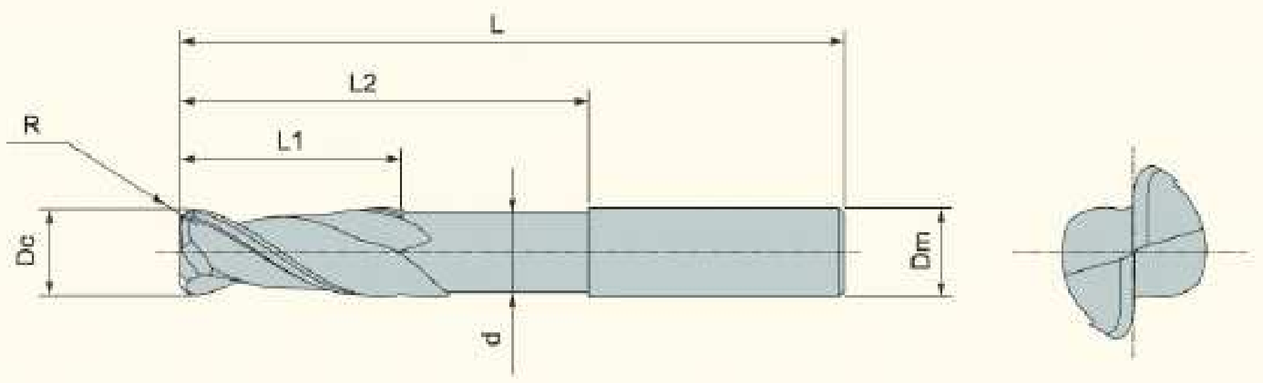
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HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

两刃圆角长颈高速铝合金铣刀

Two Edge Rounded Long Neck High-Speed Aluminum Alloy Milling Cutter



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	缩颈长 Shrink neck length	缩颈直径 Necking diameter	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	R	L1	L2	d	L	Dm	
2EMR D120.R02.014.D115.050.100.C12-HS430	12	0.2	14	50	11.5	100	12	◐
2EMR D120.R02.014.D115.060.110.C12-HS430	12	0.2	14	60	11.5	110	12	◐
2EMR D120.R02.014.D115.070.120.C12-HS430	12	0.2	14	70	11.5	120	12	◐
2EMR D120.R1.014.D115.040.090.C12-HS430	12	1	14	40	11.5	90	12	◐
2EMR D120.R1.014.D115.050.100.C12-HS430	12	1	14	50	11.5	100	12	◐
2EMR D120.R1.014.D115.060.110.C12-HS430	12	1	14	60	11.5	110	12	◐
2EMR D120.R1.014.D115.070.120.C12-HS430	12	1	14	70	11.5	120	12	◐
2EMR D120.R2.014.D115.050.100.C12-HS430	12	2	14	50	11.5	100	12	◐
2EMR D120.R2.014.D115.070.120.C12-HS430	12	2	14	70	11.5	120	12	◐
2EMR D120.R3.014.D115.040.090.C12-HS430	12	3	14	40	11.5	90	12	◐
2EMR D120.R3.014.D115.050.100.C12-HS430	12	3	14	50	11.5	100	12	◐
2EMR D120.R3.014.D115.060.110.C12-HS430	12	3	14	60	11.5	110	12	◐
2EMR D120.R3.014.D115.070.120.C12-HS430	12	3	14	70	11.5	120	12	◐
2EMR D160.R02.018.D155.050.100.C16-HS430	16	0.2	18	50	15.5	100	16	◐
2EMR D160.R02.018.D155.060.110.C16-HS430	16	0.2	18	60	15.5	110	16	◐
2EMR D160.R02.018.D155.070.120.C16-HS430	16	0.2	18	70	15.5	120	16	◐
2EMR D160.R1.018.D155.050.100.C16-HS430	16	1	18	50	15.5	100	16	◐
2EMR D160.R1.018.D155.060.110.C16-HS430	16	1	18	60	15.5	110	16	◐
2EMR D160.R1.018.D155.070.120.C16-HS430	16	1	18	70	15.5	120	16	◐
2EMR D160.R1.018.D155.080.130.C16-HS430	16	1	18	80	15.5	130	16	◐
2EMR D160.R2.018.D155.060.110.C16-HS430	16	2	18	60	15.5	110	16	◐
2EMR D160.R3.018.D155.050.100.C16-HS430	16	3	18	50	15.5	100	16	◐
2EMR D160.R3.018.D155.060.110.C16-HS430	16	3	18	60	15.5	110	16	◐
2EMR D160.R3.018.D155.070.120.C16-HS430	16	3	18	70	15.5	120	16	◐
2EMR D160.R3.018.D155.080.130.C16-HS430	16	3	18	80	15.5	130	16	◐
2EMR D160.R4.018.D155.060.110.C16-HS430	16	4	18	60	15.5	110	16	◐
2EMR D160.R4.018.D155.070.120.C16-HS430	16	4	18	70	15.5	120	16	◐
2EMR D160.R5.018.D155.060.110.C16-HS430	16	5	18	60	15.5	110	16	◐
2EMR D160.R5.018.D155.080.130.C16-HS430	16	5	18	80	15.5	130	16	◐

● 标准库存
Item in stock

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Item of short delivery time
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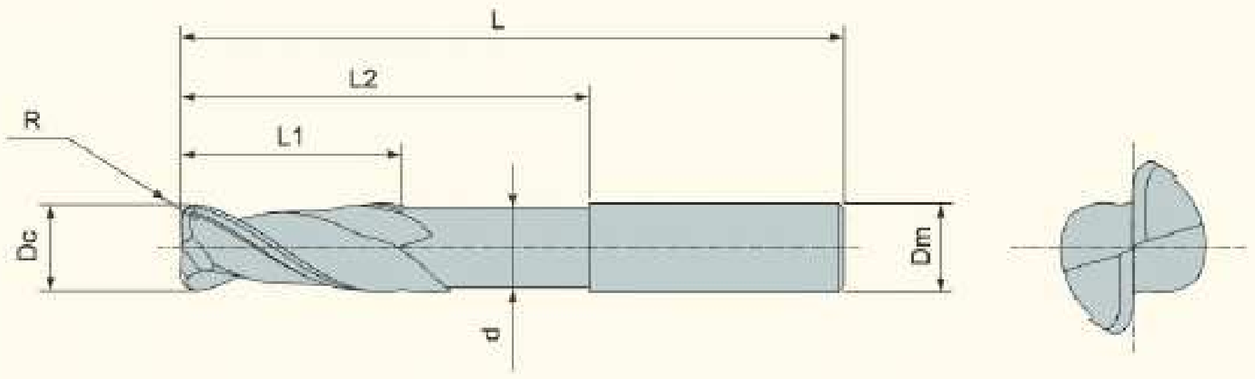
○ 无库存(订货时，请确认交货期)
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HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

两刃圆角长颈高速铝合金铣刀

Two Edge Rounded Long Neck High-Speed Aluminum Alloy Milling Cutter



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	缩颈长 Shrink neck length	缩颈直径 Necking diameter	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	R	L1	L2	d	L	Dm	
2EMR D200.R02.024.D190.060.110.C20-HS430	20	0.2	24	60	19	110	20	◐
2EMR D200.R02.024.D190.080.130.C20-HS430	20	0.2	24	80	19	130	20	◐
2EMR D200.R1.024.D190.050.100.C20-HS430	20	1	24	50	19	100	20	◐
2EMR D200.R1.024.D190.060.110.C20-HS430	20	1	24	60	19	110	20	◐
2EMR D200.R1.024.D190.070.120.C20-HS430	20	1	24	70	19	120	20	◐
2EMR D200.R1.024.D190.080.130.C20-HS430	20	1	24	80	19	130	20	◐
2EMR D200.R1.024.D190.090.140.C20-HS430	20	1	24	90	19	140	20	◐
2EMR D200.R1.024.D190.100.150.C20-HS430	20	1	24	100	19	150	20	◐
2EMR D200.R2.024.D190.050.100.C20-HS430	20	2	24	50	19	100	20	◐
2EMR D200.R2.024.D190.060.110.C20-HS430	20	2	24	60	19	110	20	◐
2EMR D200.R3.024.D190.050.100.C20-HS430	20	3	24	50	19	100	20	◐
2EMR D200.R3.024.D190.060.110.C20-HS430	20	3	24	60	19	110	20	◐
2EMR D200.R3.024.D190.070.120.C20-HS430	20	3	24	70	19	120	20	◐
2EMR D200.R3.024.D190.080.130.C20-HS430	20	3	24	80	19	130	20	◐
2EMR D200.R3.024.D190.090.140.C20-HS430	20	3	24	90	19	140	20	◐
2EMR D200.R3.024.D190.100.150.C20-HS430	20	3	24	100	19	150	20	◐
2EMR D200.R4.024.D190.060.110.C20-HS430	20	4	24	60	19	110	20	◐
2EMR D200.R4.024.D190.080.130.C20-HS430	20	4	24	80	19	130	20	◐
2EMR D200.R5.024.D190.060.110.C20-HS430	20	5	24	60	19	110	20	◐
2EMR D200.R5.024.D190.080.130.C20-HS430	20	5	24	80	19	130	20	◐
2EMR D200.R5.024.D190.100.150.C20-HS430	20	5	24	100	19	150	20	◐
2EMR D250.R1.030.D240.080.135.C25-HS430	25	1	30	80	24	135	25	◐
2EMR D250.R1.030.D240.100.155.C25-HS430	25	1	30	100	24	155	25	◐
2EMR D250.R1.030.D240.125.180.C25-HS430	25	1	30	125	24	180	25	◐
2EMR D250.R2.030.D240.080.135.C25-HS430	25	2	30	80	24	135	25	◐
2EMR D250.R3.030.D240.080.135.C25-HS430	25	3	30	80	24	135	25	◐
2EMR D250.R3.030.D240.100.155.C25-HS430	25	3	30	100	24	155	25	◐
2EMR D250.R3.030.D240.125.180.C25-HS430	25	3	30	125	24	180	25	◐
2EMR D320.R3.040.D310.100.163.C32-HS430	32	3	40	100	31	163	32	◐
2EMR D320.R3.040.D310.120.183.C32-HS430	32	3	40	120	31	183	32	◐

● 标准库存
Item in stock

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Item of short delivery time
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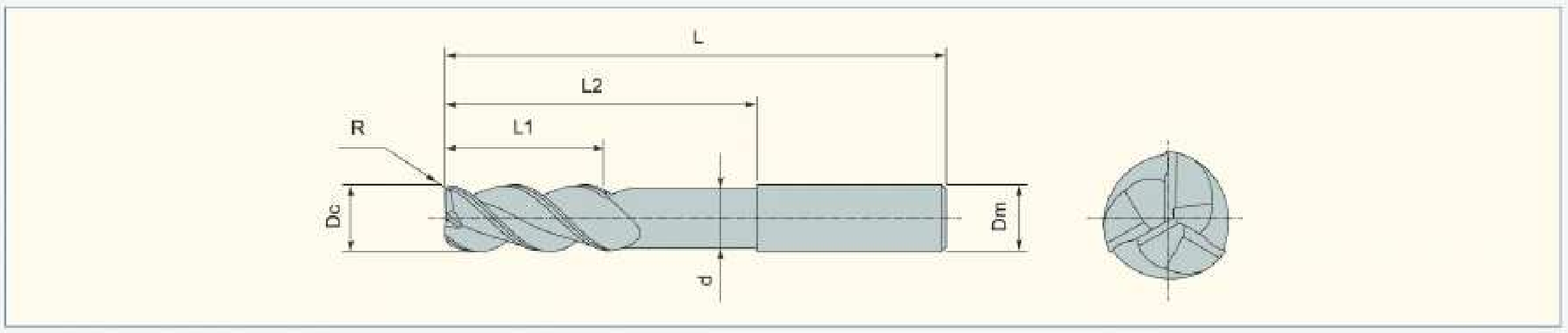
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HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

三刃圆角长颈高速铝合金铣刀

Three Edge Rounded Long Neck High-Speed Aluminum Alloy Milling Cutter



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	缩颈长 Shrink neck length	缩颈直径 Necking diameter	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	R	L1	L2	d	L	Dm	
3EMR D060.R02.010.D055.020.060.C06-HS430	6	0.2	10	20	5.5	60	6	◐
3EMR D060.R02.010.D055.040.080.C06-HS430	6	0.2	10	40	5.5	80	6	◐
3EMR D060.R1.010.D055.020.060.C06-HS430	6	1	10	20	5.5	60	6	◐
3EMR D060.R1.010.D055.030.075.C06-HS430	6	1	10	30	5.5	75	6	◐
3EMR D060.R1.010.D055.040.080.C06-HS430	6	1	10	40	5.5	80	6	◐
3EMR D060.R2.010.D055.020.060.C06-HS430	6	2	10	20	5.5	60	6	◐
3EMR D060.R2.010.D055.040.080.C06-HS430	6	2	10	40	5.5	80	6	◐
3EMR D080.R02.010.D075.030.075.C08-HS430	8	0.2	10	30	7.5	75	8	◐
3EMR D080.R02.010.D075.050.090.C08-HS430	8	0.2	10	50	7.5	90	8	◐
3EMR D080.R1.010.D075.030.075.C08-HS430	8	1	10	30	7.5	75	8	◐
3EMR D080.R1.010.D075.040.080.C08-HS430	8	1	10	40	7.5	80	8	◐
3EMR D080.R1.010.D075.050.090.C08-HS430	8	1	10	50	7.5	90	8	◐
3EMR D080.R2.010.D075.030.075.C08-HS430	8	2	10	30	7.5	75	8	◐
3EMR D080.R2.010.D075.050.090.C08-HS430	8	2	10	50	7.5	90	8	◐
3EMR D100.R02.012.D095.030.075.C10-HS430	10	0.2	12	30	9.5	75	10	◐
3EMR D100.R02.012.D095.040.080.C10-HS430	10	0.2	12	40	9.5	80	10	◐
3EMR D100.R02.012.D095.050.090.C10-HS430	10	0.2	12	50	9.5	90	10	◐
3EMR D100.R1.012.D095.030.075.C10-HS430	10	1	12	30	9.5	75	10	◐
3EMR D100.R1.012.D095.040.080.C10-HS430	10	1	12	40	9.5	80	10	◐
3EMR D100.R1.012.D095.050.090.C10-HS430	10	1	12	50	9.5	90	10	◐
3EMR D100.R2.012.D095.030.075.C10-HS430	10	2	12	30	9.5	75	10	◐
3EMR D100.R2.012.D095.050.090.C10-HS430	10	2	12	50	9.5	90	10	◐
3EMR D100.R3.012.D095.030.075.C10-HS430	10	3	12	30	9.5	75	10	◐
3EMR D100.R3.012.095.040.080.C10-HS430	10	3	12	40	9.5	80	10	◐
3EMR D100.R3.012.D095.050.090.C10-HS430	10	3	12	50	9.5	90	10	◐
3EMR D120.R02.014.D115.050.100.C12-HS430	12	0.2	14	50	11.5	100	12	◐
3EMR D120.R02.014.D115.070.120.C12-HS430	12	0.2	14	70	11.5	120	12	◐
3EMR D120.R1.014.D115.040.090.C12-HS430	12	1	14	40	11.5	90	12	◐
3EMR D120.R1.014.D115.050.100.C12-HS430	12	1	14	50	11.5	100	12	◐
3EMR D120.R1.014.D115.060.110.C12-HS430	12	1	14	60	11.5	110	12	◐
3EMR D120.R1.014.D115.070.120.C12-HS430	12	1	14	70	11.5	120	12	◐
3EMR D120.R2.014.D115.050.100.C12-HS430	12	2	14	50	11.5	100	12	◐
3EMR D120.R2.014.D115.070.120.C12-HS430	12	2	14	70	11.5	120	12	◐
3EMR D120.R3.014.D115.040.090.C12-HS430	12	3	14	40	11.5	90	12	◐
3EMR D120.R3.014.D115.050.100.C12-HS430	12	3	14	50	11.5	100	12	◐
3EMR D120.R3.014.D115.060.110.C12-HS430	12	3	14	60	11.5	110	12	◐
3EMR D120.R3.014.D115.070.120.C12-HS430	12	3	14	70	11.5	120	12	◐

● 标准库存
Item in stock

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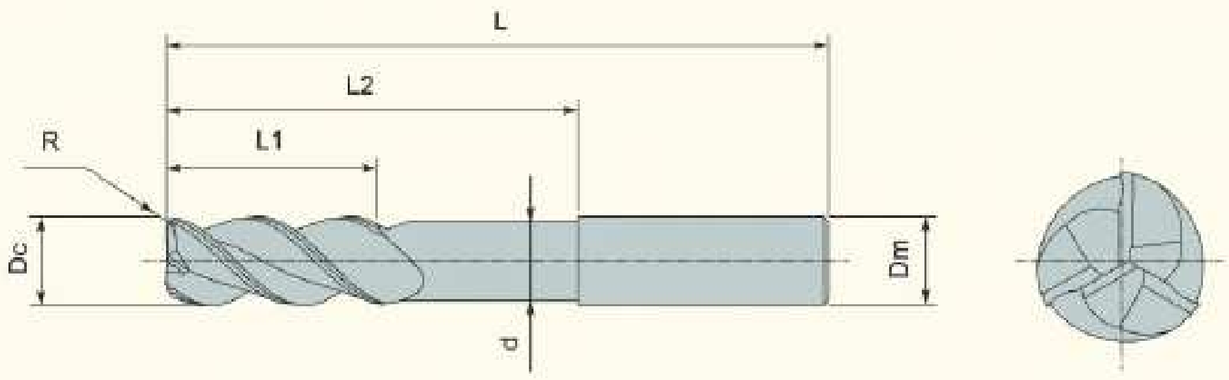
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Order on demand
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HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

三刃圆角长颈高速铝合金铣刀

Three Edge Rounded Long Neck High-Speed Aluminum Alloy Milling Cutter



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	缩颈长 Shrink neck length	缩颈直径 Necking diameter	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	R	L1	L2	d	L	Dm	
3EMR D160.R02.018.D155.050.100.C16-HS430	16	0.2	18	50	15.5	100	16	◐
3EMR D160.R02.018.D155.070.120.C16-HS430	16	0.2	18	70	15.5	120	16	◐
3EMR D160.R1.018.D155.050.100.C16-HS430	16	1	18	50	15.5	100	16	◐
3EMR D160.R1.018.D155.060.110.C16-HS430	16	1	18	60	15.5	110	16	◐
3EMR D160.R1.018.D155.070.120.C16-HS430	16	1	18	70	15.5	120	16	◐
3EMR D160.R1.018.D155.080.130.C16-HS430	16	1	18	80	15.5	130	16	◐
3EMR D160.R2.018.D155.060.110.C16-HS430	16	2	18	60	15.5	110	16	◐
3EMR D160.R3.018.D155.050.100.C16-HS430	16	3	18	50	15.5	100	16	◐
3EMR D160.R3.018.D155.060.110.C16-HS430	16	3	18	60	15.5	110	16	◐
3EMR D160.R3.018.D155.070.120.C16-HS430	16	3	18	70	15.5	120	16	◐
3EMR D160.R3.018.D155.080.130.C16-HS430	16	3	18	80	15.5	130	16	◐
3EMR D160.R4.018.D155.060.110.C16-HS430	16	4	18	60	15.5	110	16	◐
3EMR D160.R5.018.D155.060.110.C16-HS430	16	5	18	60	15.5	110	16	◐
3EMR D160.R5.018.D155.080.130.C16-HS430	16	5	18	80	15.5	130	16	◐
3EMR D200.R02.024.D190.060.110.C20-HS430	20	0.2	24	60	19	110	20	◐
3EMR D200.R02.024.D190.080.130.C20-HS430	20	0.2	24	80	19	130	20	◐
3EMR D200.R1.024.D190.050.100.C20-HS430	20	1	24	50	19	100	20	◐
3EMR D200.R1.024.D190.060.110.C20-HS430	20	1	24	60	19	110	20	◐
3EMR D200.R1.024.D190.070.120.C20-HS430	20	1	24	70	19	120	20	◐
3EMR D200.R1.024.D190.080.130.C20-HS430	20	1	24	80	19	130	20	◐
3EMR D200.R1.024.D190.090.140.C20-HS430	20	1	24	90	19	140	20	◐
3EMR D200.R1.024.D190.100.150.C20-HS430	20	1	24	100	19	150	20	◐
3EMR D200.R2.024.D190.060.110.C20-HS430	20	2	24	60	19	110	20	◐
3EMR D200.R3.024.D190.050.100.C20-HS430	20	3	24	50	19	100	20	◐
3EMR D200.R3.024.D190.060.110.C20-HS430	20	3	24	60	19	110	20	◐
3EMR D200.R3.024.D190.070.120.C20-HS430	20	3	24	70	19	120	20	◐
3EMR D200.R3.024.D190.080.130.C20-HS430	20	3	24	80	19	130	20	◐
3EMR D200.R3.024.D190.090.140.C20-HS430	20	3	24	90	19	140	20	◐
3EMR D200.R3.024.D190.100.150.C20-HS430	20	3	24	100	19	150	20	◐
3EMR D200.R4.024.D190.060.110.C20-HS430	20	4	24	60	19	110	20	◐
3EMR D200.R5.024.D190.060.110.C20-HS430	20	5	24	60	19	110	20	◐
3EMR D200.R5.024.D190.080.130.C20-HS430	20	5	24	80	19	130	20	◐
3EMR D200.R5.024.D190.100.150.C20-HS430	20	5	24	100	19	150	20	◐
3EMR D250.R1.030.D240.080.135.C25-HS430	25	1	30	80	24	135	25	◐
3EMR D250.R1.030.D240.100.155.C25-HS430	25	1	30	100	24	155	25	◐
3EMR D250.R1.030.D240.125.180.C25-HS430	25	1	30	125	24	180	25	◐
3EMR D250.R2.030.D240.080.135.C25-HS430	25	2	30	80	24	135	25	◐
3EMR D250.R3.030.D240.080.135.C25-HS430	25	3	30	80	24	135	25	◐
3EMR D250.R3.030.D240.100.155.C25-HS430	25	3	30	100	24	155	25	◐
3EMR D250.R3.030.D240.125.180.C25-HS430	25	3	30	125	24	180	25	◐
3EMR D320.R3.040.D310.100.163.C32-HS430	32	3	40	100	31	163	32	◐
3EMR D320.R3.040.D310.120.183.C32-HS430	32	3	40	120	31	183	32	◐

● 标准库存
Item in stock

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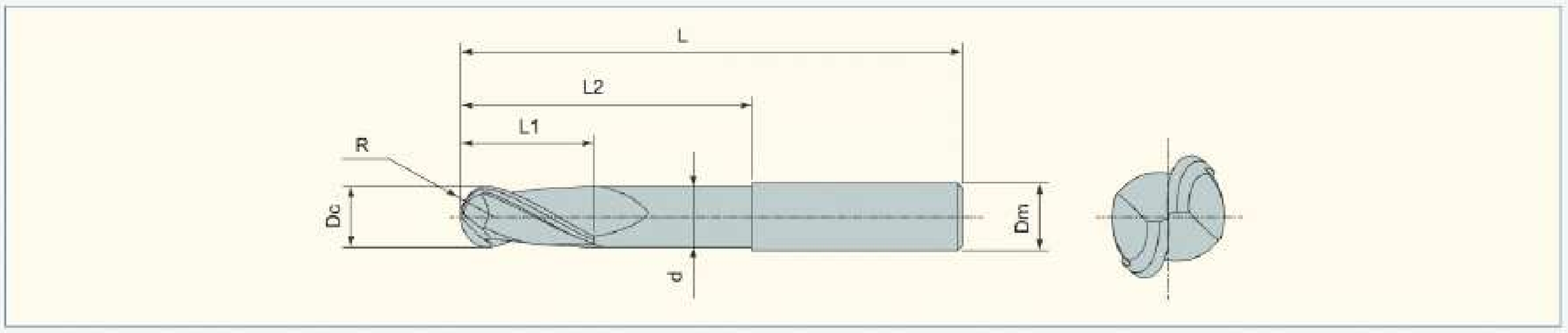
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Order on demand
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HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

两刃球刀铝合金高速铣刀

Two Bladed Ball Cutter Aluminum Alloy High-Speed Milling Cutter



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	缩颈长 Shrink neck length	缩颈直径 Necking diameter	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	R	L1	L2	d	L	Dm	
2EMB R030.010.D055.020.060.C06-HS430	6	3	10	20	5.5	60	6	◐
2EMB R030.010.D055.030.075.C06-HS430	6	3	10	30	5.5	75	6	◐
2EMB R030.010.D055.040.080.C06-HS430	6	3	10	40	5.5	80	6	◐
2EMB R040.010.D075.030.075.C08-HS430	8	4	10	30	7.5	75	8	◐
2EMB R040.010.D075.040.080.C08-HS430	8	4	10	40	7.5	80	8	◐
2EMB R040.010.D075.050.090.C08-HS430	8	4	10	50	7.5	90	8	◐
2EMB R050.012.D095.030.070.C10-HS430	10	5	12	30	9.5	70	10	◐
2EMB R050.012.D095.040.080.C10-HS430	10	5	12	40	9.5	80	10	◐
2EMB R060.014.D115.040.090.C12-HS430	12	6	14	40	11.5	90	12	◐
2EMB R060.014.D115.050.100.C12-HS430	12	6	14	50	11.5	100	12	◐
2EMB R060.014.D115.060.110.C12-HS430	12	6	14	60	11.5	110	12	◐
2EMB R080.018.D155.060.110.C16-HS430	16	8	18	60	15.5	110	16	◐
2EMB R080.018.D155.070.120.C16-HS430	16	8	18	70	15.5	120	16	◐
2EMB R100.024.D19.060.110.C20-HS430	20	10	24	60	19	110	20	◐
2EMB R100.024.D19.080.130.C20-HS430	20	10	24	80	19	130	20	◐

● 标准库存
Item in stock

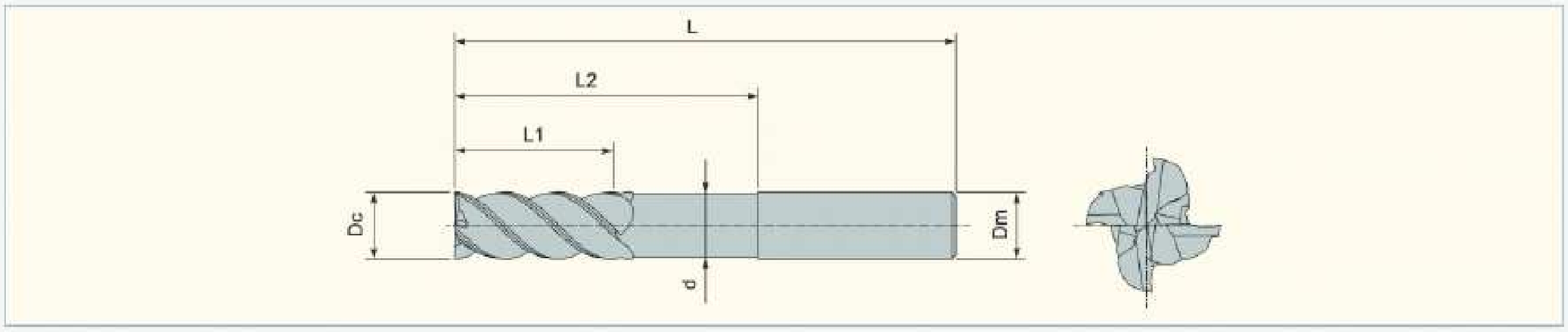
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Item of short delivery time
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○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

四刃尖角铝合金高速铣刀
Four Edge Sharp Angle Aluminum Alloy High-Speed Milling Cutter



规格型号 Designation	基本尺寸 Dimension						在库 Stock
	刃径 Diameter	刃长 Flute length	缩颈长 Shrink neck length	缩颈直径 Necking diameter	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	L1	L2	d	L	Dm	
4EM D060.024.D055.030.060.C06-HS430	6	24	30	5.5	60	6	◐
4EM D080.032.D075.040.064.C08-HS430	8	32	40	7.5	64	8	◐
4EM D100.040.D095.050.080.C10-HS430	10	40	50	9.5	80	10	◐
4EM D120.030.D115.040.083.C12-HS430	12	30	40	11.5	83	12	◐
4EM D120.048.D115.062.100.C12-HS430	12	48	62	11.5	100	12	◐
4EM D160.040.D155.051.093.C16-HS430	16	40	51	15.5	93	16	◐
4EM D160.064.D155.082.125.C16-HS430	16	64	82	15.5	125	16	◐
4EM D200.050.D19.063.108.C20-HS430	20	50	63	19	108	20	◐
4EM D200.080.D19.102.150.C20-HS430	20	80	102	19	150	20	◐

● 标准库存
Item in stock

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Item of short delivery time
(plese confirm delivery time when ordering it)

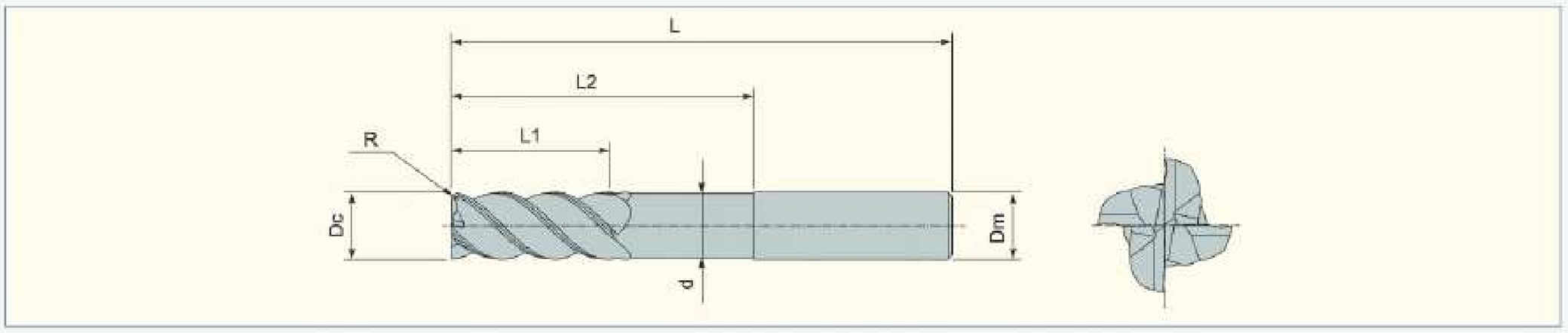
○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

四刃圆角铝合金高速铣刀

Four Edge Rounded Aluminum Alloy High-Speed Milling Cutter



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	缩颈长 Shrink neck length	缩颈直径 Necking diameter	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	R	L1	L2	d	L	Dm	
4EMR D100.R3.040.D095.050.080.C10-HS430	10	3	40	50	9.5	80	10	◐
4EMR D120.R05.030.D115.040.083.C12-HS430	12	0.5	30	40	11.5	83	12	◐
4EMR D120.R05.048.D115.062.100.C12-HS430	12	0.5	48	62	11.5	100	12	◐
4EMR D120.R2.030.D115.040.083.C12-HS430	12	2	30	40	11.5	83	12	◐
4EMR D120.R2.048.D115.062.100.C12-HS430	12	2	48	62	11.5	100	12	◐
4EMR D120.R3.030.D115.040.083.C12-HS430	12	3	30	40	11.5	83	12	◐
4EMR D120.R3.048.D115.062.100.C12-HS430	12	3	48	62	11.5	100	12	◐
4EMR D120.R4.030.D115.040.083.C12-HS430	12	4	30	40	11.5	83	12	◐
4EMR D120.R4.048.D115.062.100.C12-HS430	12	4	48	62	11.5	100	12	◐
4EMR D120.R5.030.D115.040.083.C12-HS430	12	5	30	40	11.5	83	12	◐
4EMR D160.R2.040.D155.051.093.C16-HS430	16	2	40	51	15.5	93	16	◐
4EMR D160.R2.064.D155.082.125.C16-HS430	16	2	64	82	15.5	125	16	◐
4EMR D160.R3.040.D155.051.093.C16-HS430	16	3	40	51	15.5	93	16	◐
4EMR D160.R3.064.D155.082.125.C16-HS430	16	3	64	82	15.5	125	16	◐
4EMR D160.R4.040.D155.051.093.C16-HS430	16	4	40	51	15.5	93	16	◐
4EMR D160.R4.064.D155.082.125.C16-HS430	16	4	64	82	15.5	125	16	◐
4EMR D160.R5.040.D155.051.093.C16-HS430	16	5	40	51	15.5	93	16	◐
4EMR D200.R3.050.D19.063.108.C20-HS430	20	3	50	63	19	108	20	◐
4EMR D200.R3.080.D19.102.150.C20-HS430	20	3	80	102	19	150	20	◐
4EMR D200.R4.050.D19.063.108.C20-HS430	20	4	50	63	19	108	20	◐
4EMR D200.R4.080.D19.102.150.C20-HS430	20	4	80	102	19	150	20	◐
4EMR D200.R5.050.D19.063.108.C20-HS430	20	5	50	63	19	108	20	◐
4EMR D200.R5.080.D19.102.150.C20-HS430	20	5	80	102	19	150	20	◐

● 标准库存
Item in stock

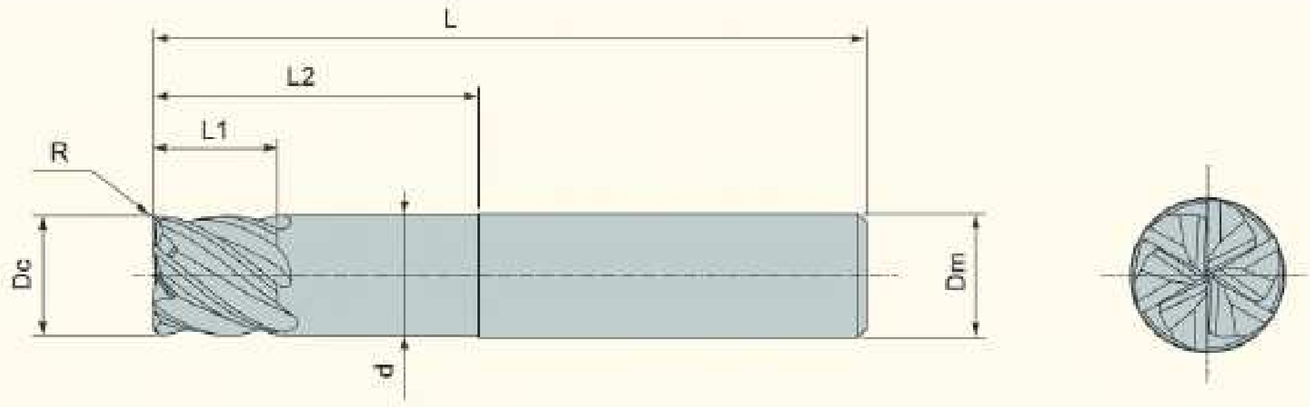
◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

HIGH SPEED ALUMINUM ALLOY MILLING CUTTER

高速铝合金铣刀

六刃圆角铝合金高速铣刀
Six Edge Rounded Aluminum Alloy High-Speed Milling Cutter



规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	圆角 Round corner	刃长 Flute length	缩颈长 Shrink neck length	缩颈直径 Necking diameter	总长 Total length	柄部直径 Shank diameter	铝合金 Aluminum alloy
	Dc	R	L1	L2	d	L	Dm	
6EMR D160.R3.016.D155.042.092.C16-HS430	16	3	16	42	15.5	92	16	◐
6EMR D160.R3.016.D155.065.115.C16-HS430	16	3	16	65	15.5	115	16	◐
6EMR D160.R4.016.D155.065.115.C16-HS430	16	4	16	65	15.5	115	16	◐
6EMR D200.R3.020.D155.052.104.C20-HS430	20	3	20	52	15.5	104	20	◐
6EMR D200.R3.020.D155.073.125.C20-HS430	20	3	20	73	15.5	125	20	◐
6EMR D200.R4.020.D155.073.125.C20-HS430	20	4	20	73	15.5	125	20	◐
6EMR D250.R3.025.D25.052.110.C25-HS430	25	3	25	52	24	110	25	◐
6EMR D250.R3.025.D25.072.130.C25-HS430	25	3	25	72	24	130	25	◐
6EMR D250.R3.025.D25.092.150.C25-HS430	25	3	25	92	24	150	25	◐
6EMR D250.R4.025.D25.072.130.C25-HS430	25	4	25	72	24	130	25	◐

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

E 061

АНСТЕР

Інжинірингові рішення для промислового виробництва та металообробки

ТВЕРДОСПЛАВНІ РІЗАЛЬНІ ІНСТРУМЕНТИ ЗІ ЗМІННИМИ ГОЛОВКАМИ

Інструментальна оснастка для високоточної металообробки

E 硬质合金刀具

SOLID CARBIDE TOOLS

整体硬质合金可换头刀具

Solid Carbide Exchangeable-Head Cutting Tools

可换头铣刀（刀尖倒角） E 063
Exchangeable-Head Milling Cutter (Tip Chamfered)

可换头铣刀（刀尖圆角） E 065
Exchangeable-Head Milling Cutter (Corner Radius)

可换头铣刀（多刃倒角精铣） E 068
Exchangeable-Head Milling Cutter (Multi-Edge Chamfer Finishing)

可换头铣刀（多刃圆角精铣） E 069
Exchangeable-Head Milling Cutter (Multi-Flute Radius Finishing)

可换头铣刀（有色金属2刃） E 070
Exchangeable-Head Milling Cutter (2-Flute for Non-Ferrous Metals)

可换头铣刀（有色金属3刃） E 071
Exchangeable-Head Milling Cutter (3-Flute for Non-Ferrous Metals)

可换头球头铣刀 E 072
Exchangeable-Head Ball Nose Milling Cutter

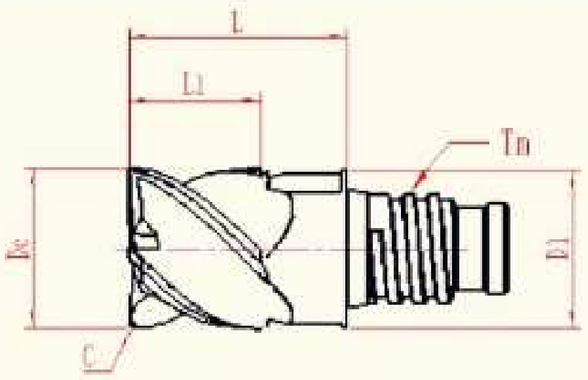
SOLID CARBIDE EXCHANGEABLE-HEAD CUTTING TOOLS

整体硬质合金可换头刀具

可换头铣刀（刀尖倒角）

Exchangeable-Head Milling Cutter (Tip Chamfered)





规格型号 Designation	基本尺寸 Dimension								在库 Stock						
	刃径 Diameter	倒角 Chamfer	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	冷却方式 Cooling Method	SG 830	SG 840	SG 850	SG 330	SG 430	SG 520	SG 530
	Dc	C	L1	Z	D1	L	Tm	Ext. / Int.							
EHM-4EMC D1600.C0.012.TK10	16	0	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0.020.TK10	16	0	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,2.012.TK10	16	0.2	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,2.020.TK10	16	0.2	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,3.012.TK10	16	0.3	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,3.020.TK10	16	0.3	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,4.012.TK10	16	0.4	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,4.020.TK10	16	0.4	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,5.012.TK10	16	0.5	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,5.020.TK10	16	0.5	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0.012.TK10-C	16	0	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0.020.TK10-C	16	0	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,2.012.TK10-C	16	0.2	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,2.020.TK10-C	16	0.2	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,3.012.TK10-C	16	0.3	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,3.020.TK10-C	16	0.3	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,4.012.TK10-C	16	0.4	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,4.020.TK10-C	16	0.4	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,5.012.TK10-C	16	0.5	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D1600.C0,5.020.TK10-C	16	0.5	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0.020.TK12	20	0	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0.030.TK12	20	0	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,2.020.TK12	20	0.2	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,2.030.TK12	20	0.2	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,3.020.TK12	20	0.3	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,3.030.TK12	20	0.3	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,4.020.TK12	20	0.4	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,4.030.TK12	20	0.4	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,5.020.TK12	20	0.5	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,5.030.TK12	20	0.5	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0.020.TK12-C	20	0	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0.030.TK12-C	20	0	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,2.020.TK12-C	20	0.2	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,2.030.TK12-C	20	0.2	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,3.020.TK12-C	20	0.3	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,3.030.TK12-C	20	0.3	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,4.020.TK12-C	20	0.4	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,4.030.TK12-C	20	0.4	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,5.020.TK12-C	20	0.5	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2000.C0,5.030.TK12-C	20	0.5	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE EXCHANGEABLE-HEAD CUTTING TOOLS

整体硬质合金可换头刀具

规格型号 Designation	基本尺寸 Dimension								在库 Stock						
	刃径 Diameter	倒角 Chamfer	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	冷却方式 Cooling Method	SG 830	SG 840	SG 850	SG 330	SG 430	SG 520	SG 530
	Dc	C	L1	Z	D1	L	Tm	Ext. / Int.							
EHM-4EMC D2500.C0.025.TK15	25	0	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0.37,5.TK15	25	0	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,2.025.TK15	25	0.2	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,2.37,5.TK15	25	0.2	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,3.025.TK15	25	0.3	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,3.37,5.TK15	25	0.3	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,4.025.TK15	25	0.4	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,4.37,5.TK15	25	0.4	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,5.025.TK15	25	0.5	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,5.37,5.TK15	25	0.5	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0.025.TK15-C	25	0	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0.37,5.TK15-C	25	0	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,2.025.TK15-C	25	0.2	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,2.37,5.TK15-C	25	0.2	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,3.025.TK15-C	25	0.3	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,3.37,5.TK15-C	25	0.3	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,4.025.TK15-C	25	0.4	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,4.37,5.TK15-C	25	0.4	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,5.025.TK15-C	25	0.5	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D2500.C0,5.37,5.TK15-C	25	0.5	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0.032.TK21	32	0	32	4	30	48	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0,2.048.TK21	32	0.2	48	4	30	64	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0,3.032.TK21	32	0.3	32	4	30	48	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0,4.048.TK21	32	0.4	48	4	30	64	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0,5.032.TK21	32	0.5	32	4	30	48	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0.048.TK21-C	32	0	48	4	30	64	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0,2.032.TK21-C	32	0.2	32	4	30	48	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0,3.048.TK21-C	32	0.3	48	4	30	64	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0,4.032.TK21-C	32	0.4	32	4	30	48	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMC D3200.C0,5.048.TK21-C	32	0.5	48	4	30	64	TK21	内冷	◐	◐	◐	◐	◐	◐	◐

- 订货型号=型号+标准加工材质后缀（倒角可非标定制）
- SG830—加工钢件　SG840—加工不锈钢　SG850—加工高硬淬火钢（HRC60左右）
  SG330—加工铸铁　SG530—加工钛合金　SG520—加工高温合金

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

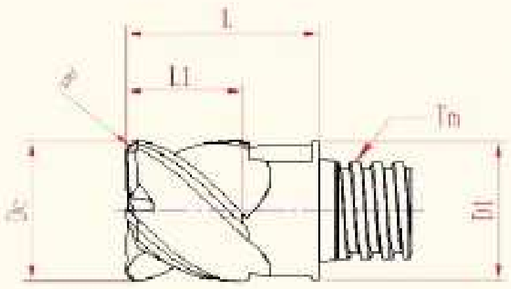
○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

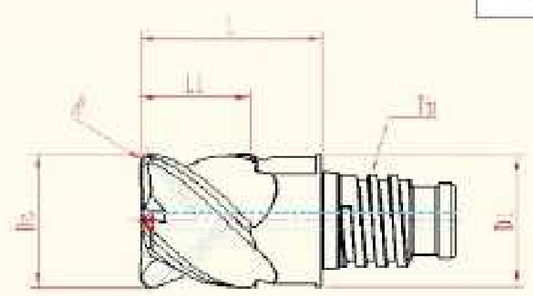
SOLID CARBIDE EXCHANGEABLE-HEAD CUTTING TOOLS

整体硬质合金可换头刀具

可换头铣刀（刀尖圆角）
Exchangeable-Head Milling Cutter (Corner Radius)







规格型号 Designation	基本尺寸 Dimension								在库 Stock						
	刃径 Diameter	圆角 Radius	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	冷却方式 Cooling Method	SG 830	SG 840	SG 850	SG 330	SG 430	SG 520	SG 530
	Dc	R	L1	Z	D1	L	Tm	Ext. / Int.							
EHM-4EMR D1600.R0,5.012.TK10	16	0.5	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R0.5.020.TK10	16	0.5	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R0,8.012.TK10	16	0.8	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R0,8.020.TK10	16	0.8	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R1.012.TK10	16	1	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R1.020.TK10	16	1	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R1,5.012.TK10	16	1.5	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R1,5.020.TK10	16	1.5	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R2.012.TK10	16	2	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R2.020.TK10	16	2	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R2,5.012.TK10	16	2.5	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R2,5.020.TK10	16	2.5	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R3.012.TK10	16	3	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R3.020.TK10	16	3	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R4.012.TK10	16	4	12	4	15.3	24	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R4.020.TK10	16	4	20	4	15.3	32	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R0,5.012.TK10-C	16	0.5	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R0.5.020.TK10-C	16	0.5	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R0,8.012.TK10-C	16	0.8	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R0,8.020.TK10-C	16	0.8	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R1.012.TK10-C	16	1	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R1.020.TK10-C	16	1	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R1,5.012.TK10-C	16	1.5	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R1,5.020.TK10-C	16	1.5	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R2.012.TK10-C	16	2	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R2.020.TK10-C	16	2	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R2,5.012.TK10-C	16	2.5	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R2,5.020.TK10-C	16	2.5	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R3.012.TK10-C	16	3	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R3.020.TK10-C	16	3	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R4.012.TK10-C	16	4	12	4	15.3	24	TK10	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D1600.R4.020.TK10-C	16	4	20	4	15.3	32	TK10	内冷	◐	◐	◐	◐	◐	◐	◐

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

SOLID CARBIDE EXCHANGEABLE-HEAD CUTTING TOOLS

整体硬质合金可换头刀具

规格型号 Designation	基本尺寸 Dimension								在库 Stock						
	刃径 Diameter	圆角 Radius	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	冷却方式 Cooling Method	SG 830	SG 840	SG 850	SG 330	SG 430	SG 520	SG 530
	Dc	R	L1	Z	D1	L	Tm	Ext. / Int.							
EHM-4EMR D2000.R0,5.020.TK12	20	0.5	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R0.5.030.TK12	20	0.5	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R0,8.020.TK12	20	0.8	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R0,8.030.TK12	20	0.8	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R1.020.TK12	20	1	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R1.030.TK12	20	1	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R1,5.020.TK12	20	1.5	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R1,5.030.TK12	20	1.5	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R2.020.TK12	20	2	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R2.030.TK12	20	2	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R2,5.020.TK12	20	2.5	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R2,5.030.TK12	20	2.5	30	4	18.3	40	TK10	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R3.020.TK12	20	3	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R3.030.TK12	20	3	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R4.020..TK12	20	4	20	4	18.3	30	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R4.030.TK12	20	4	30	4	18.3	40	TK12	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R0,5.020.TK12-C	20	0.5	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R0.5.030.TK12-C	20	0.5	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R0,8.020.TK12-C	20	0.8	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R0,8.030.TK12-C	20	0.8	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R1.020.TK12-C	20	1	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R1.030.TK12-C	20	1	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R1,5.020.TK12-C	20	1.5	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R1,5.030.TK12-C	20	1.5	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R2.020.TK12-C	20	2	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R2.030.TK12-C	20	2	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R2,5.020.TK12-C	20	2.5	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R2,5.030.TK12-C	20	2.5	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R3.020.TK12-C	20	3	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R3.030.TK12-C	20	3	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R4.020.TK12-C	20	4	20	4	18.3	30	TK12	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2000.R4.030.TK12-C	20	4	30	4	18.3	40	TK12	内冷	◐	◐	◐	◐	◐	◐	◐

● 标准库存
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SOLID CARBIDE EXCHANGEABLE-HEAD CUTTING TOOLS

整体硬质合金可换头刀具

规格型号 Designation	基本尺寸 Dimension								在库 Stock						
	刃径 Diameter	圆角 Radius	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	冷却方式 Cooling Method	SG 830	SG 840	SG 850	SG 330	SG 430	SG 520	SG 530
	Dc	R	L1	Z	D1	L	Tm	Ext. / Int.							
EHM-4EMR D2500.R0,5.025.TK15	25	0.5	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R0,5.37,5.TK15	25	0.5	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R0,8.025.TK15	25	0.8	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R0,8.37,5.TK15	25	0.8	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R1.025.TK15	25	1	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R1.37,5.TK15	25	1	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R1,5.025.TK15	25	1.5	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R1,5.37,5.TK15	25	1.5	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R2.025.TK15	25	2	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R2.37,5.TK15	25	2	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R2,5.025.TK15	25	2.5	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R2,5.37,5.TK15	25	2.5	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R3.025.TK15	25	3	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R3.37,5.TK15	25	3	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R4.025.TK15	25	4	25	4	23.9	37.5	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R4.37,5.TK15	25	4	37.5	4	23.9	50	TK15	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R0,5.025.TK15-C	25	0.5	25	4	23.9	37.5	TK15	内冷t	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R0,5.37,5.TK15-C	25	0.5	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R0,8.025.TK15-C	25	0.8	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R0,8.37,5.TK15-C	25	0.8	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R1.025.TK15-C	25	1	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R1.37,5.TK15-C	25	1	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R1,5.025.TK15-C	25	1.5	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R1,5.37,5.TK15-C	25	1.5	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R2.025.TK15-C	25	2	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R2.37,5.TK15-C	25	2	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R2,5.025.TK15-C	25	2.5	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R2,5.37,5.TK15-C	25	2.5	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R3.025.TK15-C	25	3	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R3.37,5.TK15-C	25	3	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R4.025.TK15-C	25	4	25	4	23.9	37.5	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D2500.R4.37,5.TK15-C	25	4	37.5	4	23.9	50	TK15	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R0,5.032.TK21	32	0.5	32	4	30	48	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R0,8.048.TK21	32	0.8	48	4	30	64	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R1.032.TK21	32	1	32	4	30	48	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R1,5.048.TK21	32	1.5	48	4	30	64	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R2.032.TK21	32	2	32	4	30	48	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R2.5.048.TK21	32	2.5	48	4	30	64	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R3.032.TK21	32	3	32	4	30	48	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R4.048.TK21	32	4	48	4	30	64	TK21	外冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R0,5.032.TK21-C	32	0.5	32	4	30	48	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R0,8.048.TK21-C	32	0.8	48	4	30	64	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R1.032.TK21-C	32	1	32	4	30	48	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R1,5.048.TK21-C	32	1.5	48	4	30	64	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R2.032.TK21-C	32	2	32	4	30	48	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R2.5.048.TK21-C	32	2.5	48	4	30	64	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R3.032.TK21-C	32	3	32	4	30	48	TK21	内冷	◐	◐	◐	◐	◐	◐	◐
EHM-4EMR D3200.R4.048.TK21-C	32	4	48	4	30	64	TK21	内冷	◐	◐	◐	◐	◐	◐	◐

- 订货型号=型号+标准加工材质后缀（倒角可非标定制）
- SG830—加工钢件　SG840—加工不锈钢　SG850—加工高硬淬火钢（HRC60左右）
  SG330—加工铸铁　SG530—加工钛合金　SG520—加工高温合金

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

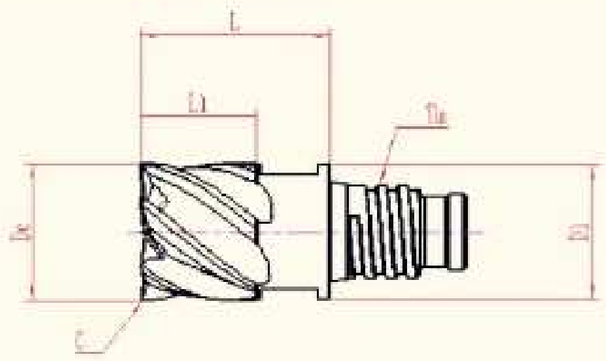
SOLID CARBIDE EXCHANGEABLE-HEAD CUTTING TOOLS

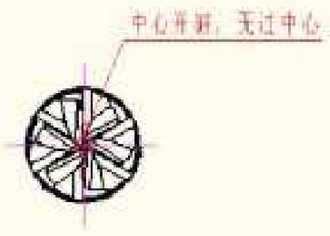
整体硬质合金可换头刀具

可换头铣刀（多刃倒角精铣）

Exchangeable-Head Milling Cutter (Multi-Edge Chamfer Finishing)







规格型号 Designation	基本尺寸 Dimension							在库 Stock			
	刃径 Diameter	倒角 Chamfer	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	SG 830	SG 840	SG 330	SG 530
	Dc	C	L1	Z	D1	L	Tm				
EHM-6EMC D1600.C0,2.012.TK10	16	0.2	12	6	15.3	24	TK10	◐	◐	◐	◐
EHM-6EMC D1600.C0,3.020.TK10	16	0.3	20	6	15.3	32	TK10	◐	◐	◐	◐
EHM-6EMC D1600.C0,4.012.TK10	16	0.4	12	6	15.3	24	TK10	◐	◐	◐	◐
EHM-6EMC D1600.C0,5.20.TK10	16	0.5	20	6	15.3	32	TK10	◐	◐	◐	◐
EHM-6EMC D2000.C0,2.020.TK12	20	0.2	20	8/10	18.3	30	TK12	◐	◐	◐	◐
EHM-6EMC D2000.C0,3.030.TK12	20	0.3	30	8/10	18.3	40	TK12	◐	◐	◐	◐
EHM-6EMC D2000.C0,4.020.TK12	20	0.4	20	8/10	18.3	30	TK12	◐	◐	◐	◐
EHM-6EMC D2000.C0,5.030.TK12	20	0.5	30	8/10	18.3	40	TK12	◐	◐	◐	◐
EHM-6EMC D2500.C0,2.025.TK15	25	0.2	25	8/10	23.9	37.5	TK15	◐	◐	◐	◐
EHM-6EMC D2500.C0,3.37,5.TK15	25	0.3	37.5	8/10	23.9	50	TK15	◐	◐	◐	◐
EHM-6EMC D2500.C0,4.025.TK15	25	0.4	25	8/10	23.9	37.5	TK15	◐	◐	◐	◐
EHM-6EMC D2500.C0,5.37,5.TK15	25	0.5	37.5	8/10	23.9	50	TK15	◐	◐	◐	◐
EHM-6EMC D3200.C0,2.032.TK21	32	0.2	32	8/10	30	48	TK21	◐	◐	◐	◐
EHM-6EMC D3200.C0,3.048.TK21	32	0.3	48	8/10	30	64	TK21	◐	◐	◐	◐
EHM-6EMC D3200.C0,4.032.TK21	32	0.4	32	8/10	30	48	TK21	◐	◐	◐	◐
EHM-6EMC D3200.C0,5.048.TK21	32	0.5	48	8/10	30	64	TK21	◐	◐	◐	◐

- 6EMR中6代表刃数，8刃即8EMR
- 订货型号=型号+标准加工材质后缀（倒角可非标定制）
- SG830—加工钢件　　SG840—加工不锈钢　SG330—加工铸铁　SG530—加工钛合金

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

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Order on demand
(plese confirm delivery time when ordering it)

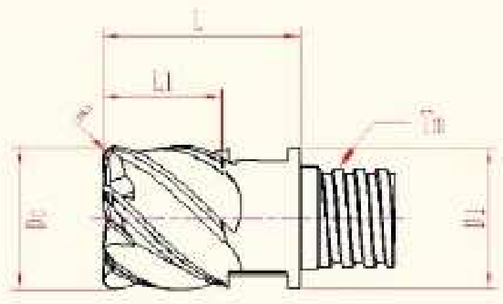
SOLID CARBIDE EXCHANGEABLE-HEAD CUTTING TOOLS

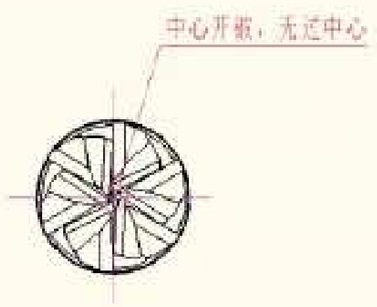
整体硬质合金可换头刀具

可换头铣刀（多刃圆角精铣）

Exchangeable-Head Milling Cutter（Multi-Flute Radius Finishing)







规格型号 Designation	基本尺寸 Dimension							在库 Stock			
	刃径 Diameter	圆角 Radius	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	SG 830	SG 430	SG 330	SG 530
	Dc	R	L1	Z	D1	L	Tm				
EHM-6EMR D1600.R0,2.012.TK10	16	0.2	12	6	15.3	24	TK10	◐	◐	◐	◐
EHM-6EMR D1600.R0,3.020.TK10	16	0.3	20	6	15.3	32	TK10	◐	◐	◐	◐
EHM-6EMR D1600.R0,4.012.TK10	16	0.4	12	6	15.3	24	TK10	◐	◐	◐	◐
EHM-6EMR D1600.R0,5.020.TK10	16	0.5	20	6	15.3	32	TK10	◐	◐	◐	◐
EHM-6EMR D2000.R0,2.020.TK12	20	0.2	20	8/10	18.3	30	TK12	◐	◐	◐	◐
EHM-6EMR D2000.R0,3.030.TK12	20	0.3	30	8/10	18.3	40	TK12	◐	◐	◐	◐
EHM-6EMR D2000.R0,4.020.TK12	20	0.4	20	8/10	18.3	30	TK12	◐	◐	◐	◐
EHM-6EMR D2000.R0,5.030.TK12	20	0.5	30	8/10	18.3	40	TK12	◐	◐	◐	◐
EHM-6EMR D2500.R0,2.025.TK15	25	0.2	25	8/10	23.9	37.5	TK15	◐	◐	◐	◐
EHM-6EMR D2500.R0,3.37,5.TK15	25	0.3	37.5	8/10	23.9	50	TK15	◐	◐	◐	◐
EHM-6EMR D2500.R0,4.025.TK15	25	0.4	25	8/10	23.9	37.5	TK15	◐	◐	◐	◐
EHM-6EMR D2500.R0,5.37,5.TK15	25	0.5	37.5	8/10	23.9	50	TK15	◐	◐	◐	◐
EHM-6EMR D3200.R0,2.032.TK21	32	0.2	32	8/10	30	48	TK21	◐	◐	◐	◐
EHM-6EMR D3200.R0,3.048.TK21	32	0.3	48	8/10	30	64	TK21	◐	◐	◐	◐
EHM-6EMR D3200.R0,4.032.TK21	32	0.4	32	8/10	30	48	TK21	◐	◐	◐	◐
EHM-6EMR D3200.R0,5.048.TK21	32	0.5	48	8/10	30	64	TK21	◐	◐	◐	◐

- 6EMR中6代表刃数，8刃即8EMR
- 订货型号=型号+标准加工材质后缀
- SG830—加工钢件　　SG840—加工不锈钢　SG330—加工铸铁　SG530—加工钛合金

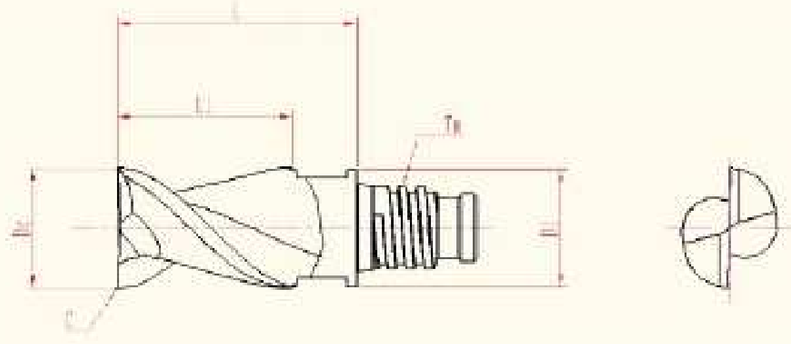
● 标准库存
Item in stock

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Item of short delivery time
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○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

可换头铣刀（有色金属2刃）
Exchangeable-Head Milling Cutter (2-Flute for Non-Ferrous Metals)





规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	倒角 Chamfer	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	SG 430
	Dc	C	L1	Z	D1	L	Tm	
EHM-2EM D1600.012.TK10	16	0	12	2	15.3	24	TK10	◐
EHM-2EMC D1600.C0,1.020.TK10	16	0.1	20	2	15.3	32	TK10	◐
EHM-2EMC D1600.C0,2.012.TK10	16	0.2	12	2	15.3	24	TK10	◐
EHM-2EMC D1600.C0,3.020.TK10	16	0.3	20	2	15.3	32	TK10	◐
EHM-2EMC D1600.C0,4.012.TK10	16	0.4	12	2	15.3	24	TK10	◐
EHM-2EMC D1600.C0,5.020.TK10	16	0.5	20	2	15.3	32	TK10	◐
EHM-2EM D2000.020.TK12	20	0	20	2	18.3	30	TK12	◐
EHM-2EMC D2000.C0,1.030.TK12	20	0.1	30	2	18.3	40	TK12	◐
EHM-2EMC D2000.C0,2.020.TK12	20	0.2	20	2	18.3	30	TK12	◐
EHM-2EMC D2000.C0,3.030.TK12	20	0.3	30	2	18.3	40	TK12	◐
EHM-2EMC D2000.C0,4.020.TK12	20	0.4	20	2	18.3	30	TK12	◐
EHM-2EMC D2000.C0,5.030.TK12	20	0.5	30	2	18.3	40	TK12	◐
EHM-2EM D2500.025.TK15	25	0	25	2	23.9	37.5	TK15	◐
EHM-2EMC D2500.C0,1.37,5.TK15	25	0.1	37.5	2	23.9	50	TK15	◐
EHM-2EMC D2500.C0,2.025.TK15	25	0.2	25	2	23.9	37.5	TK15	◐
EHM-2EMC D2500.C0,3.37,5.TK15	25	0.3	37.5	2	23.9	50	TK15	◐
EHM-2EMC D2500.C0,4.025.TK15	25	0.4	25	2	23.9	37.5	TK15	◐
EHM-2EMC D2500.C0,5.37,5.TK15	25	0.5	37.5	2	23.9	50	TK15	◐
EHM-2EM D3200.032.TK21	32	0	32	2	30	48	TK21	◐
EHM-2EMC D3200.C0,1.048.TK21	32	0.1	48	2	30	64	TK21	◐
EHM-2EMC D3200.C0,2.032.TK21	32	0.2	32	2	30	48	TK21	◐
EHM-2EMC D3200.C0,3.048.TK21	32	0.3	48	2	30	64	TK21	◐
EHM-2EMC D3200.C0,4.032.TK21	32	0.4	32	2	30	48	TK21	◐
EHM-2EMC D3200.C0,5.048.TK21	32	0.5	48	2	30	64	TK21	◐

● 订货型号=型号+标准加工材质后缀（倒角可非标定制）

● SG430—加工有色金属

● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
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○ 无库存(订货时，请确认交货期)
Order on demand
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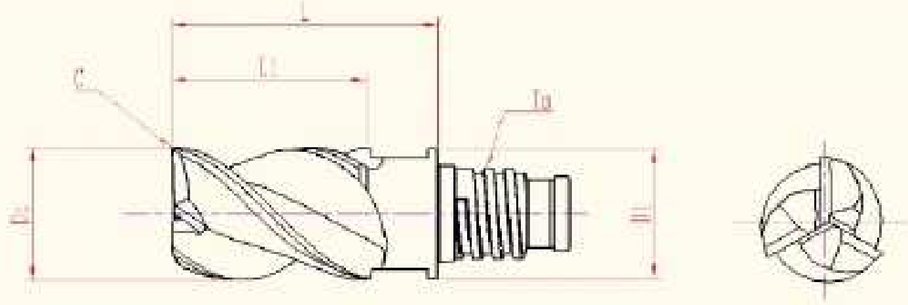
SOLID CARBIDE EXCHANGEABLE-HEAD CUTTING TOOLS

整体硬质合金可换头刀具

可换头铣刀（有色金属3刃）

Exchangeable-Head Milling Cutter (3-Flute for Non-Ferrous Metals)





规格型号 Designation	基本尺寸 Dimension							在库 Stock
	刃径 Diameter	倒角 Chamfer	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	SG 430
	Dc	C	L1	Z	D1	L	Tm	
EHM-3EM D1600.012.TK10	16	0	12	3	15.3	24	TK10	◐
EHM-3EMC D1600.C0,1.020.TK10	16	0.1	20	3	15.3	32	TK10	◐
EHM-3EMC D1600.C0,2.012.TK10	16	0.2	12	3	15.3	24	TK10	◐
EHM-3EMC D1600.C0,3.020.TK10	16	0.3	20	3	15.3	32	TK10	◐
EHM-3EMC D1600.C0,4.012.TK10	16	0.4	12	3	15.3	24	TK10	◐
EHM-3EMC D1600.C0,5.020.TK10	16	0.5	20	3	15.3	32	TK10	◐
EHM-3EM D2000.020.TK12	20	0	20	3	18.3	30	TK12	◐
EHM-3EMC D2000.C0,1.030.TK12	20	0.1	30	3	18.3	40	TK12	◐
EHM-3EMC D2000.C0,2.020.TK12	20	0.2	20	3	18.3	30	TK12	◐
EHM-3EMC D2000.C0,3.030.TK12	20	0.3	30	3	18.3	40	TK12	◐
EHM-3EMC D2000.C0,4.020.TK12	20	0.4	20	3	18.3	30	TK12	◐
EHM-3EMC D2000.C0,5.030.TK12	20	0.5	30	3	18.3	40	TK12	◐
EHM-3EM D2500.025.TK15	25	0	25	3	23.9	37.5	TK15	◐
EHM-3EMC D2500.C0,1.37,5.TK15	25	0.1	37.5	3	23.9	50	TK15	◐
EHM-3EMC D2500.C0,2.025.TK15	25	0.2	25	3	23.9	37.5	TK15	◐
EHM-3EMC D2500.C0,3.37,5.TK15	25	0.3	37.5	3	23.9	50	TK15	◐
EHM-3EMC D2500.C0,4.025.TK15	25	0.4	25	3	23.9	37.5	TK15	◐
EHM-3EMC D2500.C0,5.37,5.TK15	25	0.5	37.5	3	23.9	50	TK15	◐
EHM-3EM D3200.032.TK21	32	0	32	3	30	48	TK21	◐
EHM-3EMC D3200.C0,1.048.TK21	32	0.1	48	3	30	64	TK21	◐
EHM-3EMC D3200.C0,2.032.TK21	32	0.2	32	3	30	48	TK21	◐
EHM-3EMC D3200.C0,3.048.TK21	32	0.3	48	3	30	64	TK21	◐
EHM-3EMC D3200.C0,4.032.TK21	32	0.4	32	3	30	48	TK21	◐
EHM-3EMC D3200.C0,5.048.TK21	32	0.5	48	3	30	64	TK21	◐

- 订货型号=型号+标准加工材质后缀（倒角可非标定制）
- SG430—加工有色金属

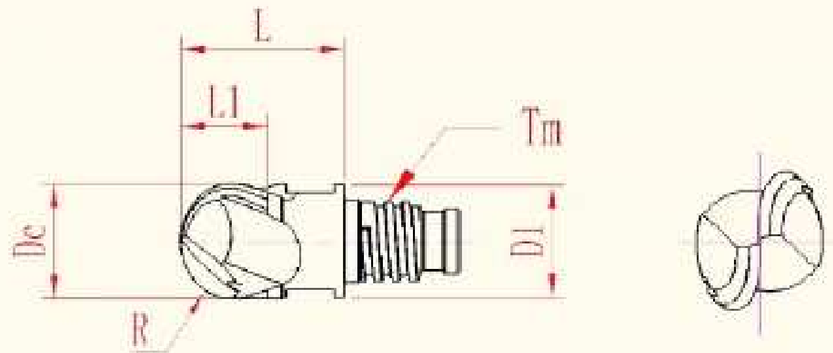
● 标准库存
Item in stock

◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
(plese confirm delivery time when ordering it)

○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

可换头球头铣刀
Exchangeable-Head Ball Nose Milling Cutter





规格型号 Designation	基本尺寸 Dimension							在库 Stock			
	刃径 Diameter	圆角 Radius	刃长 Flute length	齿数 Z	接口最大直径 Maximum diameter of interface	总长 Total length	螺纹接口 Threaded interface	SG 830	SG 840	SG 330	SG 530
	Dc	R	L1	Z	D1	L	Tm				
EHM-2EMB D1600.R8.012.TK10	16	8	12	2/3/4	15.3	24	TK10	◐	◐	◐	◐
EHM-2EMB D1600.R8.024.TK10	16	8	24	2/3/4	15.3	32	TK10	◐	◐	◐	◐
EHM-2EMB D2000.R10.020.TK12	20	10	20	2/3/4	18.3	30	TK12				
EHM-2EMB D2000.R10.030.TK12	20	10	30	2/3/4	18.3	40	TK12				
EHM-2EMB D2500.R12,5.025.TK15	25	12.5	25	2/3/4	23.9	37.5	TK15				
EHM-2EMB D2500.R12,5.37,5.TK15	25	12.5	37.5	2/3/4	23.9	50	TK15				
EHM-2EMB D3200.R16.032.TK21	32	16	32	2/3/4	30	48	TK21	◐	◐	◐	◐
EHM-2EMB D3200.R16.048.TK21	32	16	48	2/3/4	30	64	TK21				

- 型号中2EMB中2代表刃数，3刃即3EMB
- 订货型号=型号+标准加工材质后缀
- SG830—加工钢件　SG840—加工不锈钢　SG330—加工铸铁　SG530—加工钛合金

● 标准库存
Item in stock

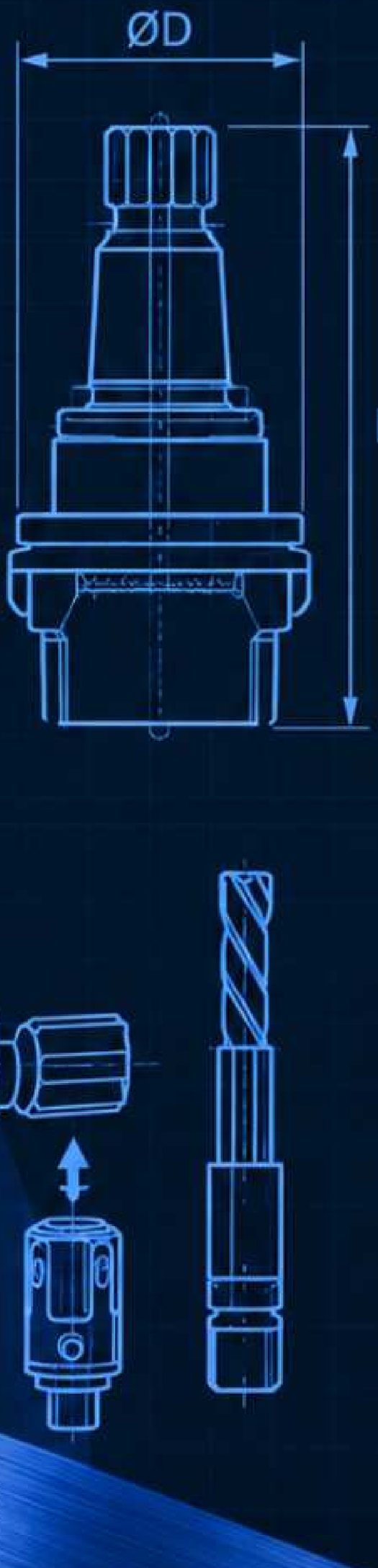
◐ 半标准库存(订货时，请确认交货期)
Item of short delivery time
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○ 无库存(订货时，请确认交货期)
Order on demand
(plese confirm delivery time when ordering it)

E 073

АНСТЕР

Інжинірингові рішення для промислового виробництва та металообробки



ТЕХНІЧНА ІНФОРМАЦІЯ

ІНСТРУМЕНТАЛЬНІ СИСТЕМИ ЗІ ЗМІННИМИ ГОЛОВКАМИ
ДЛЯ ЕФЕКТИВНОЇ МЕТАЛООБРОБКИ

E 硬质合金刀具

SOLID CARBIDE TOOLS

技术资料

Technical Information

被加工材料适用表 E 075
Work Piece

铁削加工的切削参数与通用计算公式 E 075
Cutting Parameter and General Formula

推荐的冷却液压力和流量 E 076
Coolant Pressure and Volume Recommendations

硬质合金钻头正确使用 E 077
Proper Using of Solid Carbide Tools

工件材料表 E 078
Workpiece Material Table

根据螺纹尺寸推荐的钻头直径 E 079
SRecommendation Drill Diameter Based on Thread

TECHNICAL INFORMATION
技术资料

被加工材料适用表
Work Piece

牌号 Carbide grade	被加工材料 Recommended applicaion									
	软钢 HB<180 Soft steel	碳钢合金钢 Unalloyed steel Alloyed steel	预硬钢 HRC<40 Hardened and tempered steel	不锈钢 Stainless steel	铸铁 Gray cast iron	球墨铸铁 Spheroidal graphite cast iron	铝合金 Aluminium alloys	铜合金 Cooper alloys	难加工材料 Heat reistant alloys	淬硬钢 Hardened steel
SG830	★	★	★	★	☆	☆	☆	☆	☆	☆
SG230	☆	★	★	★			☆	☆	☆	
SG430	★	☆		☆	☆	☆	★	★	★	
SG330			★		★	★				★
SG530	★难加工材料，不锈钢。☆的是软钢、合金钢。其它不用。									

备注：★非常适合☆适合
SG830 SG330 涂层硬质合金材料
SG820 SG430 为非涂层硬质合金材料

Remarks: ★ Recommended ☆ optional
SG830 SG330 Coated
SG820 SG430 Uncoated

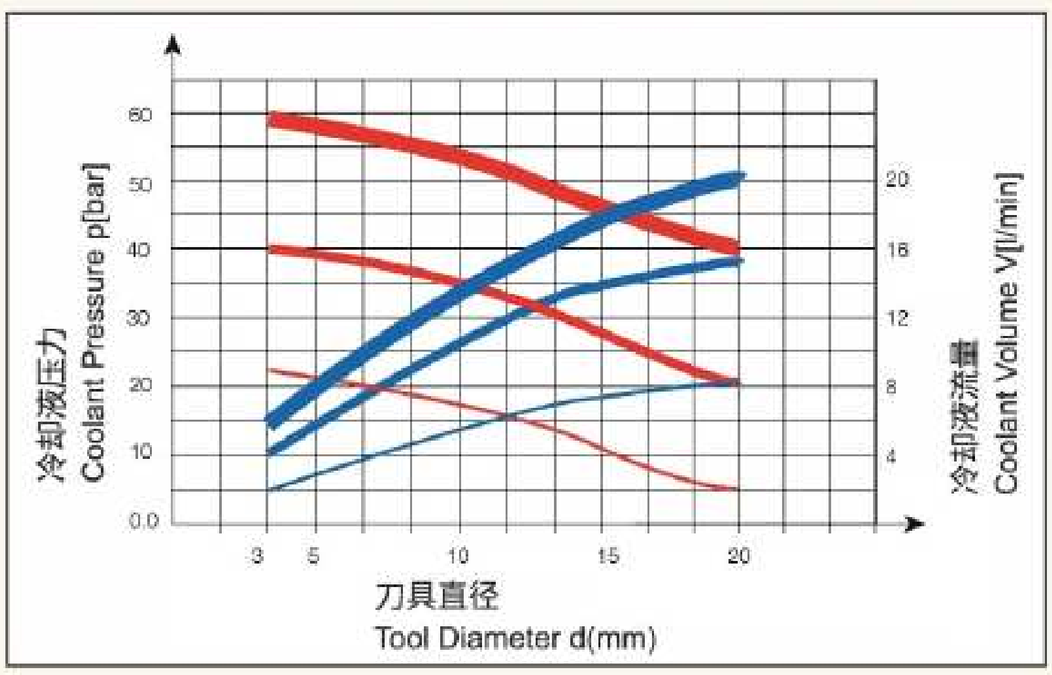
硬质合金刀具 SOLID CARBIDE TOOLS

铁削加工的切削参数与通用计算公式
Cutting Parameter and General Formula

常用参数及其单位 Parameter and Unit			
D 铣刀直径 Diameter	(mm)	fn 每转进给量 Feeding per Revolution	(mm/rev)
ap 切削深度 Cutting Depth	(mm)	fz 每刃进给量 Feeding per Tooth	(mm/tooth)
ae 切削宽度 Cutting Width	(mm)	Z 刀刃数 Teeth Number	
Vf 进给速度 Feed Speed	(mm/min)	n 主轴转速 Spindle Speed	(rev/min)
Vc 切削速度 Cutting Speed	(m/min)	L 工作台总进给长度 Length:（工件长度 + 铣刀直径：l+D)	(mm)
Tc 加工时间 Processing Time	(min)	Q 金属切削率 Metal Removal Rate	(cm^3/min)

通用计算公式 General Formula	
n 主轴转速 Spindle Speed	$n=\frac{Vc \times 1000}{D \times \pi}$ (r/min)
Vc 切削速度 Cutting Speed	$Vc=\frac{n \times D \times \pi}{1000}$ (m/min)
fz 每刃进给量 Feeding per Tooth	$fz=\frac{Vf}{Z \times n}$ (mm)
Vf 进给速度 Feed Speed	$Vf=n \times fz \times Z$(mm/min)
Q 金属切削率 Metal Removal Rate	$Q=\frac{ae \times ap \times Vf}{1000}$
Tc 加工时间 Processing Time	$Tc=\frac{L}{Vf}$ (min)

推荐的冷却液压力和流量
Coolant Pressure and Volume Recommendations



冷却液压力和流量的要求，适用于带螺旋状内冷却通孔的 CSDC 整体硬质合金钻头
Required coolant pressure and volume for CSDC drills with internal coolant spiral nozzles.

要求的冷却液压力
Required Coolant Pressure

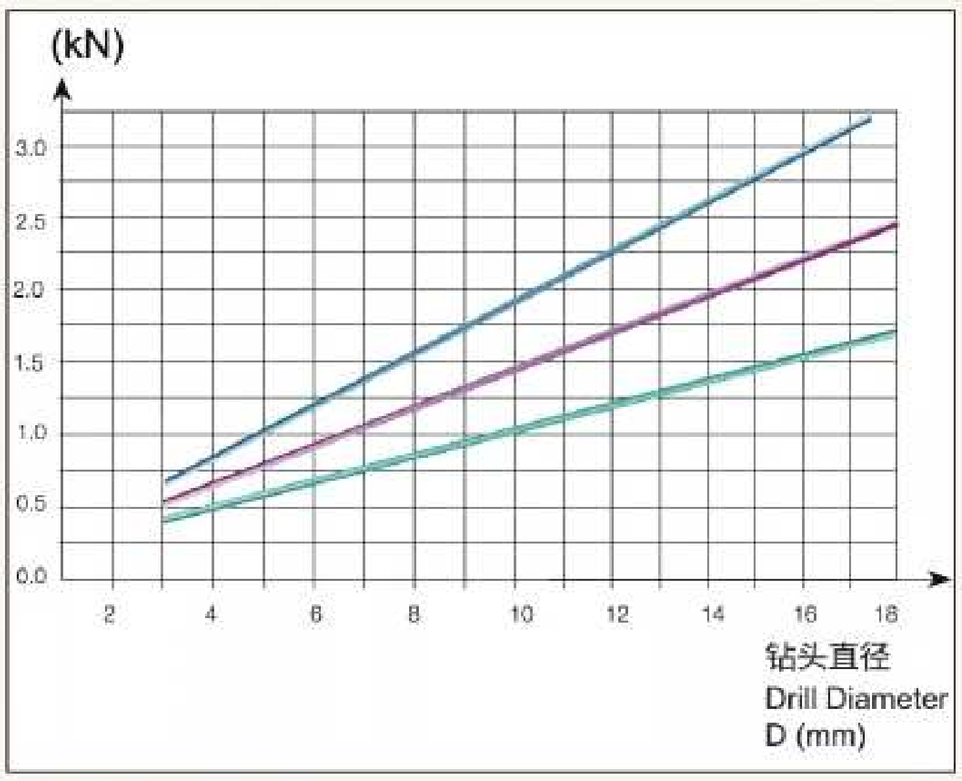
- 最佳压力 Optimum pressure
- 恰当压力 Good pressure
- 最小压力 Minimum pressure

要求的冷却液流量
Required Coolant Volume

- 最佳流量 Optimum volume
- 恰当流量 Good volume
- 最小流量 Minimum volume

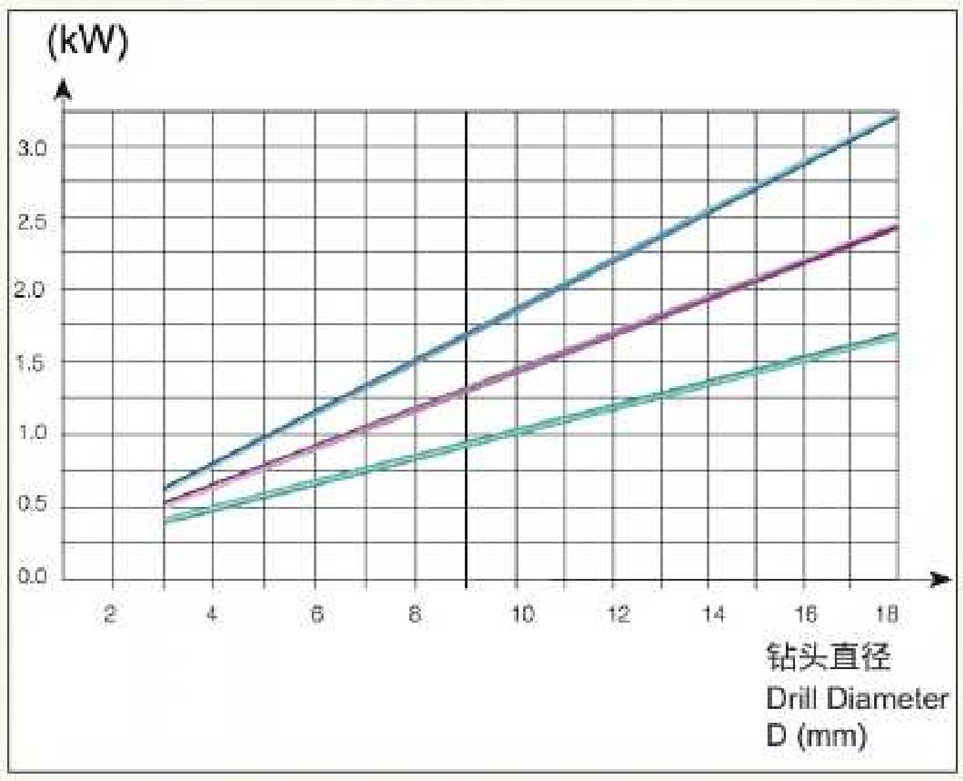
切削力和功率特性
force and Power c haracteristics

切削力
Feed Force



- f=0.30 mm/rev
- f=0.25 mm/rev
- f=0.20 mm/rev

单位功率消耗
Net Power Consumption



- f=0.30 mm/rev
- f=0.25 mm/rev
- f=0.20 mm/rev

被加工材料 Material: SAE 4340
切削速度 Speed: 100 m/min
图表中数值根据被加工材料和加工条件不同而变化。
Values may change for different materials and drilling conditions.

TECHNICAL INFORMATION
技术资料

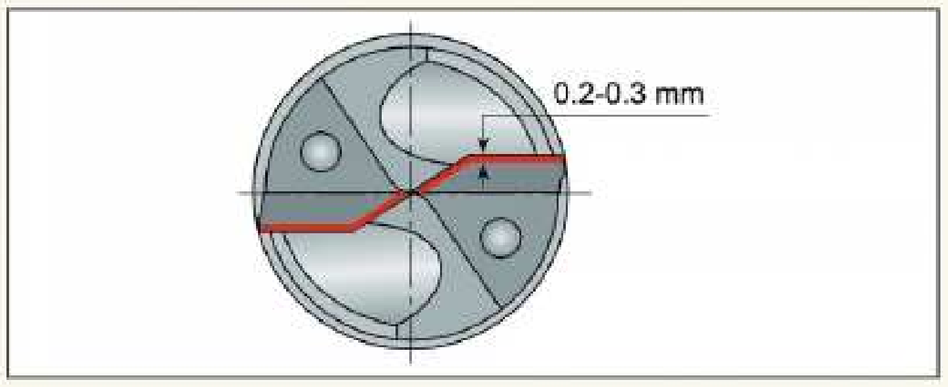
硬质合金钻头正确使用
Proper Using of Solid Carbide Tools

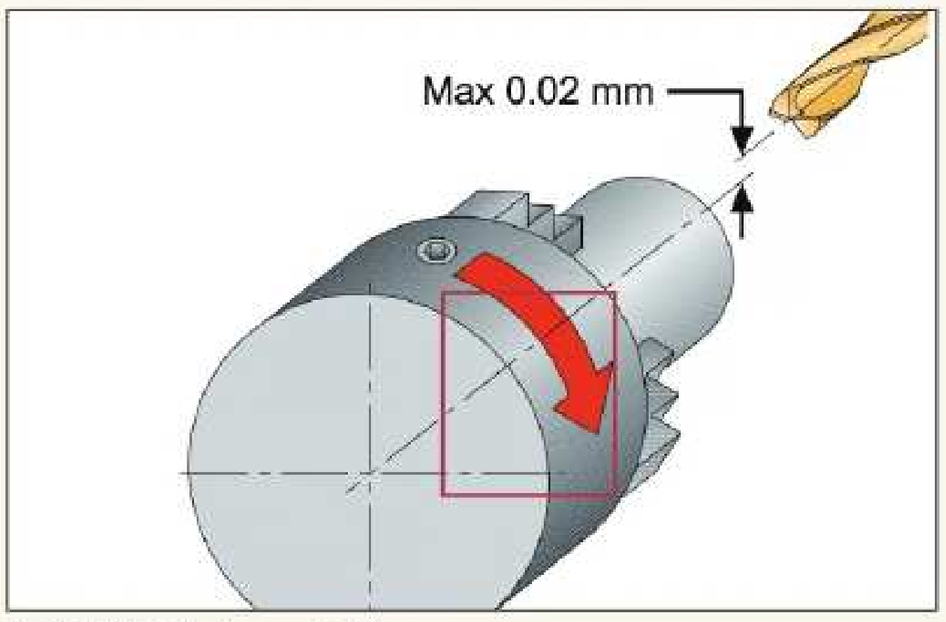
稳定性
稳定的加工工况对刀具的寿命和钻孔精度至关重要。加工前，需检查机床状况和工件的装夹，以确保最佳的工件夹持刚性和可靠性。
不稳定的切削状况，极有可能导致刀具的提前破损。

Stability
The stability of the volume of the application is important in order to obtain the best tool life and hole accuracy. Check the condition of the machine spindle, fixture and fixturing of the component to secure maximum stability and rigidity.
Unstable conditions can cause tool breakage.

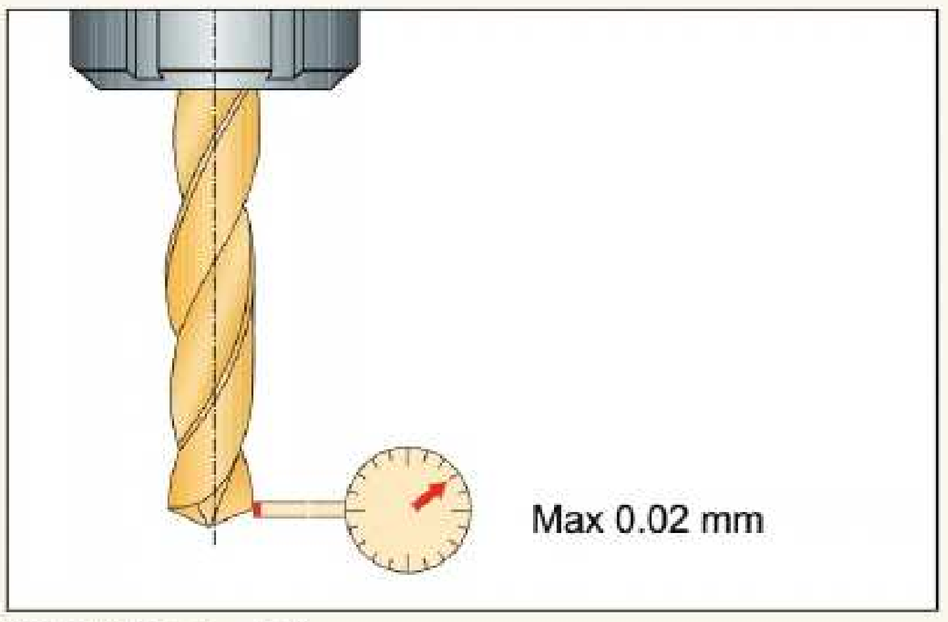
刀具寿命
当刀刃后刀面磨损超过 0.2-0.3mm 时，建议更换刀具。

Tool Life
Drills should not be used with flank wear exceeding 0.2-0.3 mm.

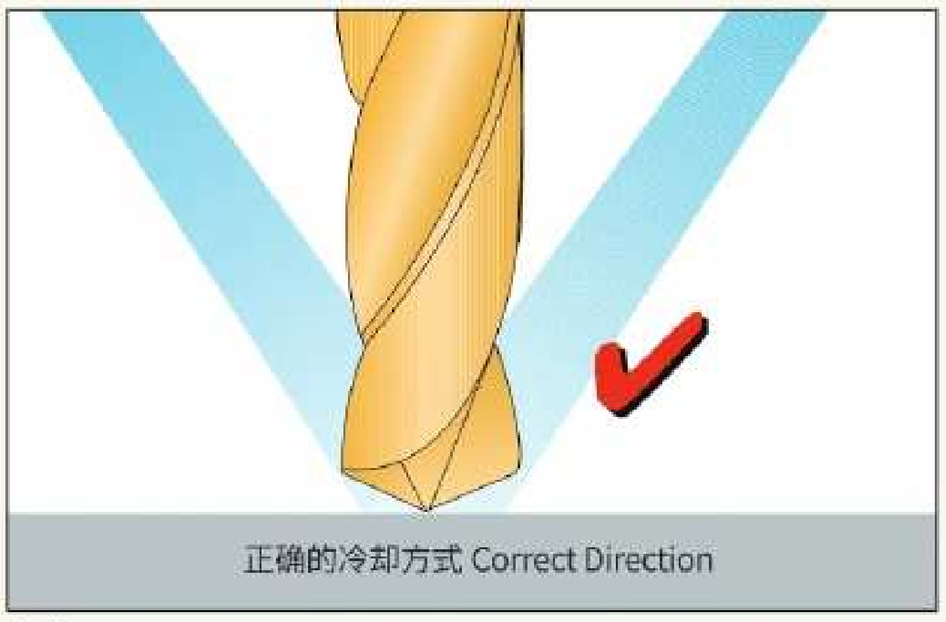




钻头不旋转 Stationary Drill



钻头旋转 Rotating Drill


正确的冷却方式 Correct Direction
外冷 External Coolant


不恰当的冷却方式 Incorrect Direction
外冷 External Coolant

工件材料表
Workpiece Material Table

材料组 ISO Material Group	Mc GEASC	工件材料 Workpiece Material	含量 Carbon Content	抗拉强度 Tensile Strength N/MM²	布氏硬度 Brinsell Hardness HB	洛氏硬度 Rockwell Hardness HRC
P 钢 Steel	P1	低碳钢，长切切屑 Mild steel, larger cutting	C<0.25%	<530	<125	
	P2	低碳钢，短切屑，易切钢 Mild steel, shorter cutting, free-cutting steel	C<0.25%	<530	<125	
	P3	高碳钢及中碳钢 High-carbon steel, medium carbon steel	C>0.25%	>530	<220	<25
	P4	合金钢，工具钢 Alloy steel, tool steel	C>0.25%	600-850	<330	<35
	P5	合金钢，工具钢 Alloy steel, tool steel	C>0.25%	850-1400	340-450	35-48
	P6	铁素体不锈钢，马氏体不锈钢，PH 不锈钢 Ferritic & Martensitic stainless steel, PH stainless steel	C=(0-0.4)%	600-900	<330	<35
	P7	高强度铁素体不锈钢，马氏体不锈钢，PH 不锈钢 High strength Ferritic stainless steel, Martensitic stainless steel, PH stainless	C=(0.1-0.6)%	900-1350	330-450	35-48
M 不锈钢 Stainless steel	M1	奥氏体不锈钢 Austenitic stainless steel	C=(0.05-0.15)%	<600	130-200	
	M2	高强度的奥氏体和铸造不锈钢 High strength austenitic & cast stainless steel	C=(0.05-0.15)%	600-800	150-230	<25
	M3	双相不锈钢 Duplex stainless steel	C=(0.05-0.20)%	<800	135-275	<30
K 铸铁 Cast iron	K1	灰铸铁 Grey cast iron		125-500	120-290	<32
	K2	中等加工难度的合金铸铁，球墨铸铁 Medium difficulty alloy steel, ductile cast iron		<600	130-260	<28
	K3	难加工的高合金铸铁，球墨铸铁 Hard-to-work high alloy cast iron, ductile cast iron		>600	180-350	<43
N 有色金属 Nonferrous metals	N1	锻造铝合金 Reflectal		<520	60-90	
	N2	铸造铝合金 Casting aluminum alloy	Si≤12%	<350	70-100	
	N3	铸造铝合金 Casting aluminum alloy	Si>12%	200-320	60-120	
	N4	铜，铜合金 Copper, copper alloy		200-650	60-200	
	N5	石墨，复合材料 Graphite, composite materials		600-1500		
	N6	铝基复合材料 Aluminum matrix composites		<700	<210	
S 耐热合金、钛合金 Heat resisting alloy, titanium alloy	S1	铁基高温合金 Iron-base superalloy		500-1200	160-260	25-48
	S2	钛基高温合金 Titanium-base superalloy		1000-1450	250-450	25-48
	S3	镍基高温合金 Nickel-base superalloy		600-1700	160-450	<48
	S4	钛及钛合金 Titanium & titanium alloy		900-1600	300-400	33-48
H 高硬度材料 Superhard material	H1	淬硬钢 Quenched steel				45-55
	H2	淬硬钢 Quenched steel				55-60
	H3	淬硬钢 Quenched steel				60-65
	H4	淬硬钢 Quenched steel				>65

TECHNICAL INFORMATION

技术资料

根据螺纹尺寸推荐的钻头直径

Recommendation Drill Diameter Based on Thread

螺纹直径 Dia. of thread	钻头直径 Dia.of drill mm	螺距 Pitch mm	螺纹直径 Dia.of thread	钻头直径 Dia.of drill mm	螺距 Pitch mm	螺纹直径 Dia.of thread	钻头直径 Dia.of drill mm	螺距 Pitch mm
M 公制粗牙螺纹 M Metric coarse thread			**UNF 美制统一细牙螺纹** UNF Fine thread			**Rc 英制圆锥管螺纹** Rc Inch taper thread		
M4	3.30	0.7	UNF NO.6	3.00	40	Rc 1/8"	8.40	28
M4.5	3.70	0.75	UNF NO.8	3.50	36	Rc 1/4"	11.20	19
M5	4.20	0.8	UNF NO.10	4.10	32	Rc 3/8"	14.75	19
M6	5.00	1	UNF NO.12	4.65	28	Rc 1/2"	18.25	14
M7	6.00	1	UNF 1/4"	5.50	28	Rc 3/4"	23.75	14
M8	6.80	1.25	UNF 5/16"	6.90	24	Rc 1"	30.00	11
M9	7.80	1.25	UNF 3/8"	8.50	24	**G 英制圆锥管螺纹** G Inch taper thread		
M10	8.50	1.5	UNF 7/16"	9.90	20	G 1/8"	8.80	28
M11	9.50	1.5	UNF 1/2"	11.50	20	G 1/4"	11.80	19
M12	10.20	1.75	UNF 9/16"	12.90	18	G 3/8"	15.25	19
M14	12.00	2	UNF 5/8"	14.50	18	G 1/2"	19.00	14
M16	14.00	2	UNF 3/4"	17.50	16	G 5/8"	21.00	14
M18	15.50	2.5	UNF 7/8"	20.50	14	G 3/4"	24.50	14
M20	17.50	2.5	UNF 1"	23.25	12	G 7/8"	28.25	14
M22	19.50	2.5	UNF 1-1/8"	26.50	12	G 1"	30.75	11
M24	21.00	3	UNF 1-1/4"	29.75	12	G 1-1 /4"	39.50	11
M27	24.00	3	UNF 1-3/8"	33.00	12	G 1-1 /2"	45.50	11
M30	26.50	3.5	UNF 1-1/2"	36.00	12	G 1-3 /4"	51.40	11
M33	29.50	3.5	**UNF 美制统一粗牙螺纹** UNF Coarse Thread			G 2"	57.20	11
M36	32.00	4	UNC NO.6	2.85	32	**NPT 60° 全牙形锥管螺纹** NPT 60 Taper thread		
M39	35.00	4	UNC NO.8	3.50	32	NPT 1/16"	6.10	27
M42	37.50	4.5	UNC NO.10	3.90	24	NPT 1/8"	8.50	27
M45	40.50	4.5	UNC NO.12	4.50	24	NPT 1/4"	11.00	18
M48	43.00	5	UNC 1/4"	5.20	20	NPT 3/8"	14.50	18
M52	47.00	5	UNC 5/16"	6.60	18	NPT 1/2"	17.80	14
M 公制挤压螺纹 M Metric extrusion thread			UNC 3/8"	8.00	16	NPT 3/4"	23.00	14
M4	3.70	0.7	UNC 7/16"	9.40	14	NPT 1 "	29.00	11-1 / 2
M5	4.63	0.8	UNC 1/2"	10.75	13	NPT 1-1 /4"	37.50	11-1 / 2
M6	5.50	1	UNC 9/16"	12.25	12	NPT 1-1 /2"	44.00	11-1 / 2
M7	6.51	1	UNC 5/8"	13.50	11	NPT 2 "	56.00	11-1 / 2
M8	7.40	1.25	UNC 3/4"	16.50	10	**NPTF 60° 全牙形锥管螺纹** NPTF 60 Taper thread		
M10	9.25	1.5	UNC 7/8"	19.50	9	NPTF 1/16"	6.00	27
M12	11.12	1.75	UNC 1"	22.25	8	NPTF 1/8"	8.40	27
M14	13.00	2	UNC 1-1/8"	25.00	7	NPTF 1/4"	10.90	18
M16	15.00	2	UNC 1-1/4"	28.25	7	NPTF 3/8"	14.25	18
M 公制红牙螺纹 M metric thread			UNC 1-3/8"	31.00	6	NPTF 1/2"	17.75	14
钻头直径＝丝锥直径 - 螺距 Dia of drill= Dia of tap - Pitch			UNC 1-1/2"	34.00	6	NPTF 3/4"	23.00	14
			UNC 1-3/4"	39.50	5	NPTF 1 "	29.00	11-1 / 2
			UNC 2"	45.25	4-1/2	NPTF 1-1 /4"	37.75	11-1 / 2
						NPTF 1-1 /2"	43.74	11-1 / 2
						NPTF 2 "	55.75	11-1 / 2

АНСТЕР

Інжинірингові рішення для промислового виробництва та металообробки

РІЗНОМАНІТНІ СПЕЦІАЛЬНІ ІНСТРУМЕНТИ

ДЛЯ ВАШИХ ПОТРЕБ

- ІНДИВІДУАЛЬНІ РІШЕННЯ
- ВИСОКА ТОЧНІСТЬ
- НАДІЙНІ МАТЕРІАЛИ
- ШИРОКА НОМЕНКЛАТУРА

АНСТЕР

Інжинірингові рішення для промислового виробництва та металообробки

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ВАШ ПАРТНЕР
У ПРОМИСЛОВОМУ РОЗВИТКУ

НАДІЙНІСТЬ | ТЕХНОЛОГІЇ | ПАРТНЕРСТВО