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MILLING CUTTER

Modular milling cutter

Different materials can be selected for different processing materials

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Modular milling cutter

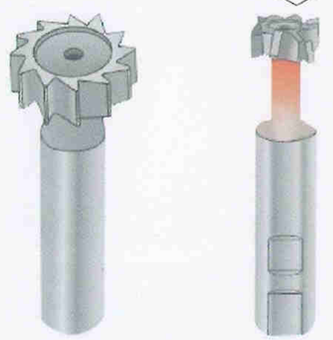
Features and uses of modular milling cutters

- ◎ Tooth connection locking, reliable locking; screw locking, easy replacement
- ◎ The same tool holder can be applied to square grooves, snap ring grooves, arc grooves, chamfering, and thread processing.High precision, runout of peripheral edge and end edge within 0.02mm
- ◎ Inserts replacement is easy, different material blades can be selected for different processing materials
- ◎ 6-edge design is adopted for 12mm or more, which greatly improves cutting efficiency and wear resistance
- ◎ Lock module tools are in stock, can choose different structure of the tool holder, to meet various suspension length requirements
- ◎ The whole series provides internal cooling supply, excellent chip removal performance, and prolongs tool life

Traditional tools

Welding tool

1. High temperature welding will destroy the hardness of the tool holder, and sometimes the welding will not be firm
2. The strength of the tool body is not high, the size is fixed, and it cannot meet the requirements of different processing conditions

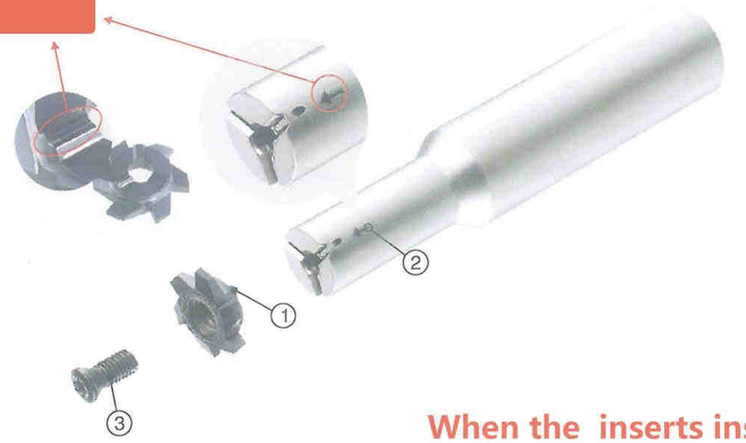


High speed steel

1. Does not support high-speed processing, low efficiency
2. Short life, one-time use

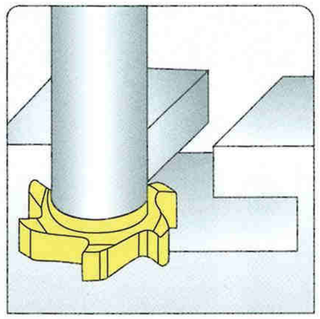
High-efficiency, long-life module tool

The markings at the location details need to match

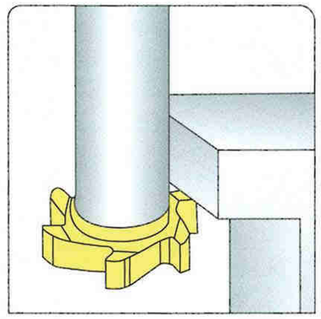


When the inserts installed

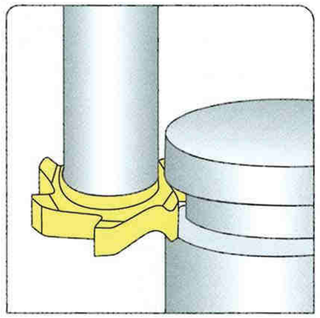
Please install the marking symbol ① of the positioning tooth of the insertscorresponding to the marking symbol ② on the tool holder.
Carefully check the insertscycle slip andase.



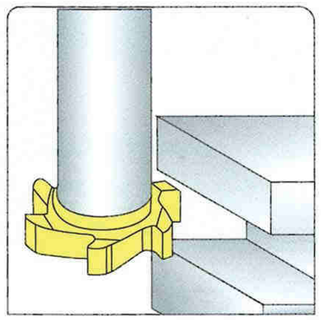
T-slot



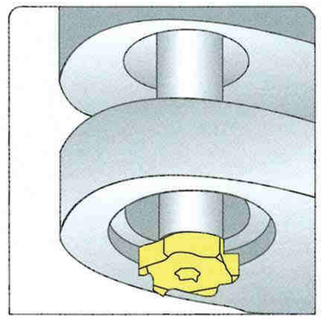
Deburring the bottom surface



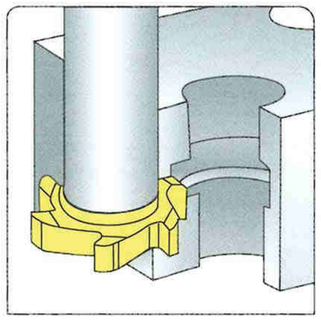
Ring groove



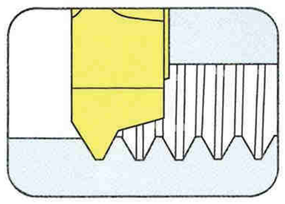
Straight groove



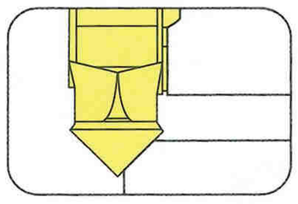
Bottom ring groove



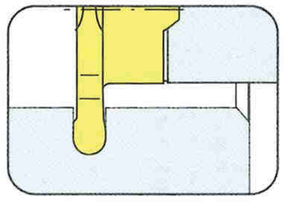
Inner ring groove



Thread milling



Chamfering



Arc Groove Processing

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Modular grooving

	Grooving/chamfering/threading	Minimum hole size	Interface diameter	Cutting flute Width	Effective cutting depth
M	G/C/I	10	06	W050	T08

Unit mm

Groove depth	0.7	1.5	1.5	2.5	2.5	3.5	4.0	5.0	4.5	5.5	5.0	5.5	7.5	8.5	10.0
Groove width	2.0	2.0	3.0	3.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0
Cutting flute diameter	Φ5.8	Φ7.7	Φ9.7	Φ11.7	Φ13.7	Φ15.7	Φ17.7	Φ19.7	Φ21.7	Φ23.7	Φ24.7	Φ25.7	Φ27.7	Φ31.7	Φ34.7

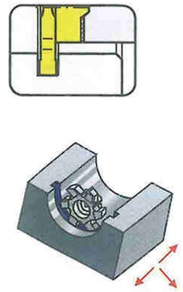

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Fig1

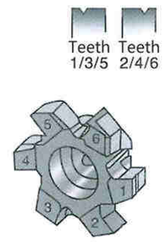


Fig2

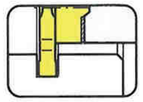
Order number		Ds	d	W (+0.02)	Tmax	S	Z	Icon	HP630M	HD10
RTMG-	0604-W050T07	5.8	4.0	0.5	0.70	3.0	3	Fig1	●	○
	0604-W100T07	5.8	4.0	1.0	0.70	3.0	3	Fig1	●	○
	0604-W150T07	5.8	4.0	1.5	0.70	3.0	3	Fig1	●	○
	0604-W200T07	5.8	4.0	2.0	0.70	3.0	3	Fig1	●	○
	0804-W050T15	7.7	4.0	0.5	1.50	3.0	3	Fig1	●	○
	0804-W100T15	7.7	4.0	1.0	1.50	3.0	3	Fig1	●	○
	0804-W150T15	7.7	4.0	1.5	1.50	3.0	3	Fig1	●	○
	0804-W200T15	7.7	4.0	2.0	1.50	3.0	3	Fig1	●	○
	1006-W050T15	9.7	6.0	0.5	1.50	3.5	3	Fig1	●	○
	1006-W070T15	9.7	6.0	0.7	1.50	3.5	3	Fig1	●	○
	1006-W100T15	9.7	6.0	1.0	1.50	3.5	3	Fig1	●	○
	1006-W150T15	9.7	6.0	1.5	1.50	3.5	3	Fig1	●	○
	1006-W200T15	9.7	6.0	2.0	1.50	3.5	3	Fig1	●	○
	1006-W250T15	9.7	6.0	2.5	1.50	3.5	3	Fig1	●	○
	1006-W300T15	9.7	6.0	3.0	1.50	3.5	3	Fig1	●	○
	1206-W100T25	11.7	6.0	1.0	2.50	3.5	3	Fig1	●	○
	1206-W150T25	11.7	6.0	1.5	2.50	3.5	3	Fig1	●	○
	1206-W200T25	11.7	6.0	2.0	2.50	3.5	3	Fig1	●	○
	1206-W250T25	11.7	6.0	2.5	2.50	3.5	3	Fig1	●	○
	1206-W300T25	11.7	6.0	3.0	2.50	3.5	3	Fig1	●	○

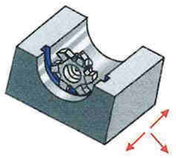
Ordering example: MG0604-W050T07 HP630M provides non-standard order ● Standard inventory ○ Non-standard inventory

Remarks: For products with special R value requirements, please contact the supplier

The product with "*" has a toothed belt splitting groove. Note that the insertswill be reduced by about 1.5mm compared with the Fig1 type insertsafter the insertsis installed on the blade.

Modular grooving





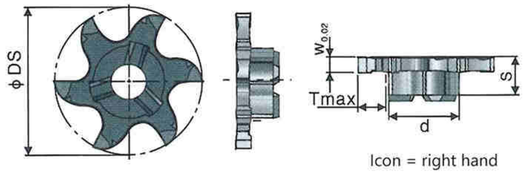


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Fig1

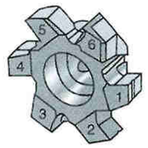

Fig2

	Order number	Ds	d	W (+0.02)	Tmax	S	Z	Icon	HP630M	HD10
RTMG-	1408-W100T25	13.7	8.0	1.0	2.50	4.0	6	Fig1	●	○
	1408-W150T25	13.7	8.0	1.5	2.50	4.0	6	Fig1	●	○
	1408-W200T25	13.7	8.0	2.0	2.50	4.0	6	Fig1	●	○
	1408-W250T25	13.7	8.0	2.5	2.50	4.0	6	Fig1	●	○
	1408-W300T25	13.7	8.0	3.0	2.50	4.0	6	Fig1	●	○
	1408-W400T25	13.7	8.0	4.0	2.50	4.0	6	Fig1	●	○
	1608-W100T35	15.7	8.0	1.0	3.50	①4.0	6	Fig1	●	○
	1608-W150T35	15.7	8.0	1.5	3.50	①4.0	6	Fig1	●	○
	1608-W200T35	15.7	8.0	2.0	3.50	①4.0	6	Fig1	●	○
	1608-W250T35	15.7	8.0	2.5	3.50	①4.0	6	Fig1	●	○
	1608-W300T35	15.7	8.0	3.0	3.50	①4.0	6	Fig1	●	○
	1608-W350T35	15.7	8.0	3.5	3.50	①4.0	6	Fig1	○	○
	1608-W400T35	15.7	8.0	4.0	3.50	①4.0	6	Fig1	●	○
	1809-W100T40	17.7	9.0	1.0	4.00	5.5	6	Fig1	●	○
	1809-W150T40	17.7	9.0	1.5	4.00	5.5	6	Fig1	●	○
	1809-W200T40	17.7	9.0	2.0	4.00	5.5	6	Fig1	●	○
	1809-W250T40	17.7	9.0	2.5	4.00	5.5	6	Fig1	●	○
	1809-W300T40	17.7	9.0	3.0	4.00	5.5	6	Fig1	●	○
	1809-W350T40	17.7	9.0	3.5	4.00	5.5	6	Fig1	○	○
	1809-W400T40	17.7	9.0	4.0	4.00	5.5	6	Fig1	●	○
	2009-W100T50	19.7	9.0	1.0	5.00	4.0	6	Fig1	●	○
	2009-W150T50	19.7	9.0	1.5	5.00	4.0	6	Fig1	●	○
	2009-W200T50	19.7	9.0	2.0	5.00	4.0	6	Fig1	●	○
	2009-W250T50	19.7	9.0	2.5	5.00	4.0	6	Fig1	●	○

Same as E160

● Standard inventory ○ Non-standard inventory

①The S value of the old product is 5.5, and the S value of the new product is 4.0. Any product must confirm the effective depth of cut when updating the blade.

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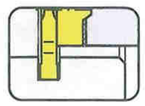
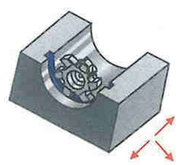
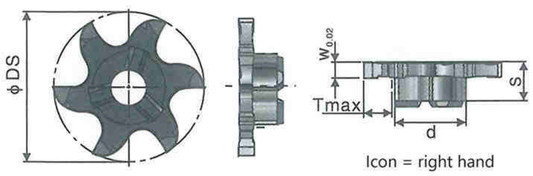
Modular grooving







Icon = right hand

Fig1

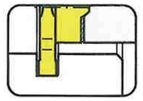
Fig2

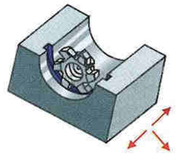
	Order number	Ds	d	W (+0.02)	Tmax	S	Z	Icon	HP630M	HD10
RTMG-	2009-W300T50	19.7	9.0	3.0	5.00	4.0	6	Fig1	●	○
	2009-W350T50	19.7	9.0	3.5	5.00	4.0	6	Fig1	○	○
	2009-W400T50	19.7	9.0	4.0	5.00	4.0	6	Fig1	●	○
	2212-W100T45	21.7	12.0	1.0	4.50	5.9	6	Fig1	●	○
	2212-W150T45	21.7	12.0	1.5	4.50	5.9	6	Fig1	●	○
	2212-W200T45	21.7	12.0	2.0	4.50	5.9	6	Fig1	●	○
	2212-W250T45	21.7	12.0	2.5	4.50	5.9	6	Fig1	●	○
	2212-W300T45	21.7	12.0	3.0	4.50	5.9	6	Fig1	●	○
	2212-W350T45	21.7	12.0	3.5	4.50	5.9	6	Fig1	●	○
	2212-W400T45	21.7	12.0	4.0	4.50	5.9	6	Fig1	●	○
	2212-W500T45*	21.7	12.0	5.0	4.50	5.2	6	Fig2	●	○
	2212-W600T45*	21.7	12.0	6.0	4.50	5.2	6	Fig2	●	○
	2412-W100T55	23.7	12.0	1.0	5.50	5.9	6	Fig1	●	○
	2412-W150T55	23.7	12.0	1.5	5.50	5.9	6	Fig1	●	○
	2412-W200T55	23.7	12.0	2.0	5.50	5.9	6	Fig1	●	○
	2412-W250T55	23.7	12.0	2.5	5.50	5.9	6	Fig1	●	○
	2412-W300T55	23.7	12.0	3.0	5.50	5.9	6	Fig1	●	○
	2412-W350T55	23.7	12.0	3.5	5.50	5.9	6	Fig1	○	○
	2412-W400T55	23.7	12.0	4.0	5.50	5.9	6	Fig1	●	○
	2412-W500T55*	23.7	12.0	5.0	5.50	5.2	6	Fig2	●	○
	2412-W600T55*	23.7	12.0	6.0	5.50	5.2	6	Fig2	●	○
	2514-W100T50	24.7	14.0	1.0	5.00	5.9	6	Fig1	●	○
	2514-W150T50	24.7	14.0	1.5	5.00	5.9	6	Fig1	●	○
	2514-W200T50	24.7	14.0	2.0	5.00	5.9	6	Fig1	●	○

Same as E160

● Standard inventory ○ Non-standard inventory

Modular grooving





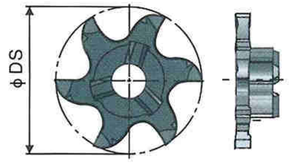
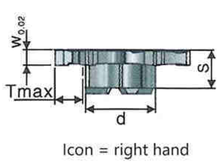


Fig1



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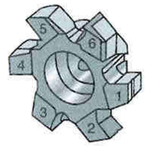

Fig2

Order number	Ds	d	W (+0.02)	Tmax	S	Z	Icon	HP630M	HD10
RTMG- 2514-W250T50	24.7	14.0	2.5	5.00	5.9	6	Fig1	●	○
2514-W300T50	24.7	14.0	3.0	5.00	5.9	6	Fig1	●	○
2514-W350T50	24.7	14.0	3.5	5.00	5.9	6	Fig1	○	○
2514-W400T50	24.7	14.0	4.0	5.00	5.9	6	Fig1	●	○
2514-W500T50*	24.7	14.0	5.0	5.00	5.2	6	Fig2	●	○
2514-W600T50*	24.7	14.0	6.0	5.00	5.2	6	Fig2	●	○
2512-W100T60	24.7	12.0	1.0	6.00	5.9	6	Fig1	○	○
2512-W150T60	24.7	12.0	1.5	6.00	5.9	6	Fig1	○	○
2512-W200T60	24.7	12.0	2.0	6.00	5.9	6	Fig1	○	○
2512-W250T60	24.7	12.0	2.5	6.00	5.9	6	Fig1	○	○
2512-W300T60	24.7	12.0	3.0	6.00	5.9	6	Fig1	○	○
2512-W400T60	24.7	12.0	4.0	6.00	5.9	6	Fig1	○	○
2512-W500T60*	24.7	12.0	5.0	6.00	5.2	6	Fig2	○	○
2512-W600T60*	24.7	12.0	6.0	6.00	5.2	6	Fig2	○	○
2614-W200T55	25.7	14.0	2.0	5.50	5.9	6	Fig1	○	○
2614-W250T55	25.7	14.0	2.5	5.50	5.9	6	Fig1	○	○
2614-W300T55	25.7	14.0	3.0	5.50	5.9	6	Fig1	○	○
2614-W350T55	25.7	14.0	3.5	5.50	5.9	6	Fig1	○	○
2614-W400T55	25.7	14.0	4.0	5.50	5.9	6	Fig1	○	○
2614-W500T55*	25.7	14.0	5.0	5.50	5.2	6	Fig2	○	○
2614-W600T55*	25.7	14.0	6.0	5.50	5.2	6	Fig2	○	○
2814-W100T65	27.7	14.0	1.0	6.50	5.9	6	Fig1	●	○
2814-W150T65	27.7	14.0	1.5	6.50	5.9	6	Fig1	●	○
2814-W200T65	27.7	14.0	2.0	6.50	5.9	6	Fig1	●	○

Same as E160

● Standard inventory ○ Non-standard inventory

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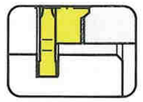
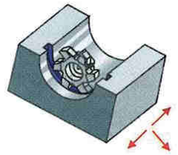
Modular grooving





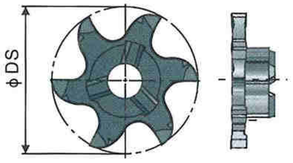
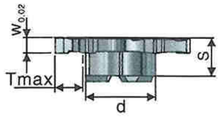


Fig1



Icon = right hand

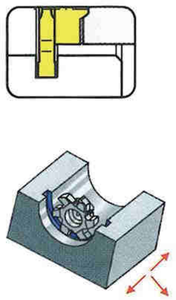
Fig2

Order number	Ds	d	W (+0.02)	Tmax	S	Z	Icon	HP630M	HD10
RTMG- 2814-W250T65	27.7	14.0	2.5	6.50	5.9	6	Fig1	●	○
2814-W300T65	27.7	14.0	3.0	6.50	5.9	6	Fig1	●	○
2814-W350T65	27.7	14.0	3.5	6.50	5.9	6	Fig1	●	○
2814-W400T65	27.7	14.0	4.0	6.50	5.9	6	Fig1	●	○
2814-W500T65*	27.7	14.0	5.0	6.50	5.2	6	Fig2	●	○
2814-W600T65*	27.7	14.0	6.0	6.50	5.2	6	Fig2	●	○
2812-W200T75	27.7	12.0	2.0	7.50	5.9	6	Fig1	○	○
2812-W250T75	27.7	12.0	2.5	7.50	5.9	6	Fig1	○	○
2812-W300T75	27.7	12.0	3.0	7.50	5.9	6	Fig1	○	○
2812-W350T75	27.7	12.0	3.5	7.50	5.9	6	Fig1	○	○
2812-W400T75	27.7	12.0	4.0	7.50	5.9	6	Fig1	○	○
2812-W500T75*	27.7	12.0	5.0	7.50	5.2	6	Fig2	○	○
2812-W600T75*	27.7	12.0	6.0	7.50	5.2	6	Fig2	○	○
3214-W150T85	31.7	14.0	1.5	8.50	5.9	6	Fig1	●	○
3214-W200T85	31.7	14.0	2.0	8.50	5.9	6	Fig1	●	○
3214-W250T85	31.7	14.0	2.5	8.50	5.9	6	Fig1	●	○
3214-W300T85	31.7	14.0	3.0	8.50	5.9	6	Fig1	●	○
3214-W400T85	31.7	14.0	4.0	8.50	5.9	6	Fig1	●	○
3514-W150T100	34.7	14.0	1.5	10.00	5.9	6	Fig1	●	○
3514-W200T100	34.7	14.0	2.0	10.00	5.9	6	Fig1	●	○
3514-W250T100	34.7	14.0	2.5	10.00	5.9	6	Fig1	●	○
3514-W300T100	34.7	14.0	3.0	10.00	5.9	6	Fig1	●	○
3514-W350T100	34.7	14.0	3.5	10.00	5.9	6	Fig1	○	○
3514-W400T100	34.7	14.0	4.0	10.00	5.9	6	Fig1	●	○

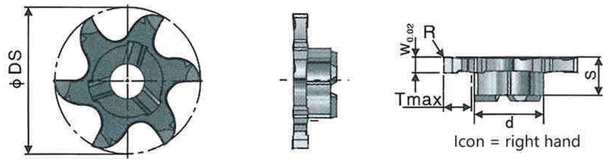
Same as E160

● Standard inventory ○ Non-standard inventory

Modular grooving



DIN 471/472



	Order number	Ds	d	Ring size	W (–0.02)	Tmax	R	S	Z	HP630M	HD10
RTMG-	1006-W050T15-471/472	9.7	6.0	0.50	0.57	1.50	-	3.5	3	o	o
	1006-W070T15-471/472	9.7	6.0	0.70	0.77	1.50	-	3.5	3	o	o
	1006-W090T15-471/472	9.7	6.0	0.90	0.97	1.50	-	3.5	3	o	o
	1006-W110T15-471/472	9.7	6.0	1.10	1.21	1.50	-	3.5	3	o	o
	1006-W130T15-471/472	9.7	6.0	1.30	1.41	1.50	0.1	3.5	3	o	o
	1006-W160T15-471/472	9.7	6.0	1.60	1.71	1.50	0.1	3.5	3	o	o
	1206-W110T25-471/472	11.7	6.0	1.10	1.21	2.50	-	3.5	3	o	o
	1206-W130T25-471/472	11.7	6.0	1.30	1.41	2.50	0.1	3.5	3	o	o
	1206-W160T25-471/472	11.7	6.0	1.60	1.71	2.50	0.1	3.5	3	o	o
	1608-W110T35-471/472	15.7	8.0	1.10	1.21	3.50	-	4.0	6	o	o
	1608-W130T35-471/472	15.7	8.0	1.30	1.41	3.50	0.1	4.0	6	o	o
	1608-W160T35-471/472	15.7	8.0	1.60	1.71	3.50	0.1	4.0	6	o	o
	1809-W110T35-471/472	17.7	9.0	1.10	1.21	3.50	-	5.5	6	o	o
	1809-W130T35-471/472	17.7	9.0	1.30	1.41	3.50	0.1	5.5	6	o	o
	1809-W160T35-471/472	17.7	9.0	1.60	1.71	3.50	0.1	5.5	6	o	o
	2212-W130T45-471/472	21.7	12.0	1.30	1.41	4.50	0.1	5.9	6	o	o
	2212-W160T45-471/472	21.7	12.0	1.60	1.71	4.50	0.1	5.9	6	o	o
	2212-W185T45-471/472	21.7	12.0	1.85	1.96	4.50	0.2	5.9	6	o	o
	2212-W215T45-471/472	21.7	12.0	2.15	2.26	4.50	0.2	5.9	6	o	o
	2212-W265T45-471/472	21.7	12.0	2.65	2.76	4.50	0.2	5.9	6	o	o
	2212-W315T45-471/472	21.7	12.0	3.15	3.26	4.50	0.2	5.9	6	o	o
	2212-W415T45-471/472*	21.7	12.0	4.15	4.26	4.50	0.2	5.2	6	o	o
	2212-W515T45-471/472*	21.7	12.0	5.15	5.26	4.50	0.2	5.2	6	o	o
	2814-W130T65-471/472	27.7	14.0	1.30	1.41	6.50	0.1	5.9	6	o	o
	2814-W160T65-471/472	27.7	14.0	1.60	1.71	6.50	0.1	5.9	6	o	o
	2814-W185T65-471/472	27.7	14.0	1.85	1.96	6.50	0.2	5.9	6	o	o
	2814-W215T65-471/472	27.7	14.0	2.15	2.26	6.50	0.2	5.9	6	o	o
	2814-W265T65-471/472	27.7	14.0	2.65	2.76	6.50	0.2	5.9	6	o	o

Ordering example: RTMG1006-W050T15-471/472 HP630M provides non-standard order ● Standard inventory ○ Non-standard inventory

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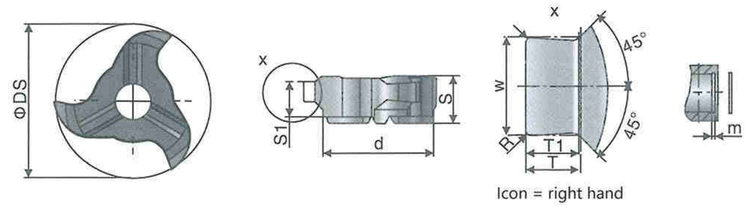
Modular grooving



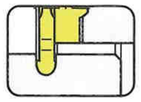
	Order number	Ds	d	Ring size	W (–0.02)	T	T1	R	S	Z	HP630M	HD10
RTMG-	2212-W110T050-45°	21.7	12.0	1.10	1.21	0.50	0.49	-	5.9	6	o	o
	2212-W130T070-45°	21.7	12.0	1.30	1.41	0.70	0.67	-	5.9	6	o	o
	2212-W130T085-45°	21.7	12.0	1.30	1.41	0.85	0.86	-	5.9	6	o	o
	2212-W160T085-45°	21.7	12.0	1.60	1.71	0.85	0.83	-	5.9	6	o	o
	2212-W160T100-45°	21.7	12.0	1.60	1.71	1.00	0.97	-	5.9	6	o	o
	2212-W185T125-45°	21.7	12.0	1.85	1.96	1.25	1.23	0.15	5.9	6	o	o
	2212-W215T150-45°	21.7	12.0	2.15	2.26	1.50	1.47	0.15	5.9	6	o	o
	2212-W265T175-45°	21.7	12.0	2.65	2.76	1.75	1.72	0.15	5.9	6	o	o
	2212-W265T150-45°	21.7	12.0	2.65	2.76	1.50	1.47	0.15	5.9	6	o	o
	2212-W315T175-45°	21.7	12.0	3.15	3.26	1.75	1.72	0.20	5.9	6	o	o
	2212-W415T250-45°*	21.7	12.0	4.15	4.26	2.50	2.47	0.20	5.2	6	o	o
	2212-W415T200-45°*	21.7	12.0	4.15	4.26	2.00	1.97	0.20	5.2	6	o	o

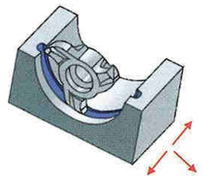
Remarks: These products are ordered according to customer requirements, and the lead time is 7-10 working days

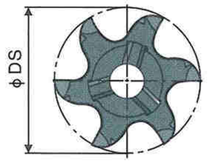
● Standard inventory ○ Non-standard inventory

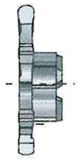
Modular grooving

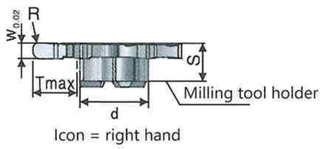
Grooving depths up to	0.7-10.0mm
Spring Width	1.0-6.0mm
Cutting edge Φ	5.8-34.7mm











	Order number	Ds	d	W (+0.02)	Tmax	R	S	Z	HP630M	HD10
RTMG-	0604-R050T07	5.8	4.0	1.00	0.7	0.50	3.0	3	○	○
	0604-R075T07	5.8	4.0	1.50	0.7	0.75	3.0	3	○	○
	0604-R100T07	5.8	4.0	2.00	0.7	1.00	3.0	3	○	○
	0804-R050T15	7.7	4.0	1.00	1.5	0.50	3.0	3	○	○
	0804-R075T15	7.7	4.0	1.50	1.5	0.75	3.0	3	○	○
	0804-R100T15	7.7	4.0	2.00	1.5	1.00	3.0	3	○	○
	1006-R050T15	9.7	6.0	1.00	1.5	0.50	3.5	3	○	○
	1006-R075T15	9.7	6.0	1.50	1.5	0.75	3.5	3	○	○
	1006-R100T15	9.7	6.0	2.00	1.5	1.00	3.5	3	○	○
	1206-R050T25	11.7	6.0	1.00	2.5	0.50	3.5	3	○	○
	1206-R075T25	11.7	6.0	1.50	2.5	0.75	3.5	3	○	○
	1206-R100T25	11.7	6.0	2.00	2.5	1.00	3.5	3	○	○
	1608-R075T35	15.7	8.0	1.50	3.5	0.75	4.0	6	○	○
	1608-R100T35	15.7	8.0	2.00	3.5	1.00	4.0	6	○	○
	1608-R125T35	15.7	8.0	2.50	3.5	1.25	4.0	6	○	○
	1608-R150T35	15.7	8.0	3.00	3.5	1.50	4.0	6	○	○
	1608-R200T35	15.7	8.0	4.00	3.5	2.00	4.0	6	○	○
	1809-R075T40	17.7	9.0	1.50	4.0	0.75	5.5	6	○	○
	1809-R100T40	17.7	9.0	2.00	4.0	1.00	5.5	6	○	○
	1809-R125T40	17.7	9.0	2.50	4.0	1.25	5.5	6	○	○
	1809-R150T40	17.7	9.0	3.00	4.0	1.50	5.5	6	○	○
	1809-R200T40	17.7	9.0	4.00	4.0	2.00	5.5	6	○	○

Ordering example: RTMG0604-R050T07 HP630M provides non-standard order ● Standard inventory ○ Non-standard inventory

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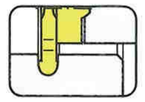
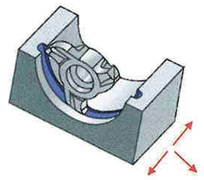
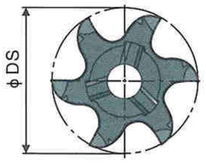
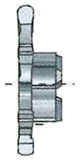
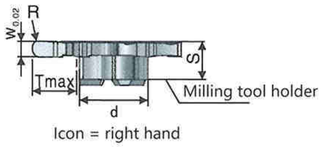
Modular grooving







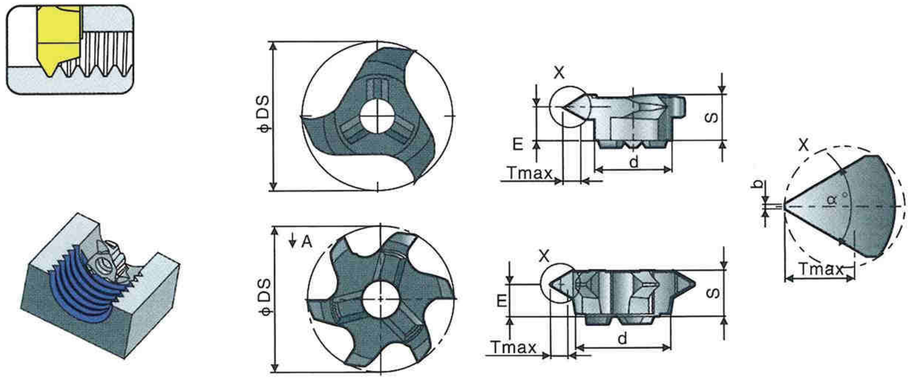




	Order number	Ds	d	W (+0.02)	Tmax	r	S	Z	HP630M	HD10
RTMG-	2009-R050T50	19.7	9.0	1.00	5.0	0.50	4.0	6	○	○
	2009-R075T50	19.7	9.0	1.50	5.0	0.75	4.0	6	○	○
	2009-R100T50	19.7	9.0	2.00	5.0	1.00	4.0	6	○	○
	2009-R125T50	19.7	9.0	2.50	5.0	1.25	4.0	6	○	○
	2009-R150T50	19.7	9.0	3.00	5.0	1.50	4.0	6	○	○
	2009-R200T50	19.7	9.0	4.00	5.0	2.00	4.0	6	○	○
	2412-R100T55	23.7	12.0	2.00	5.5	1.00	5.9	6	○	○
	2412-R125T55	23.7	12.0	2.50	5.5	1.25	5.9	6	○	○
	2412-R150T55	23.7	12.0	3.00	5.5	1.50	5.9	6	○	○
	2412-R200T55	23.7	12.0	4.00	5.5	2.00	5.9	6	○	○
	2412-R250T55*	23.7	12.0	5.00	5.5	2.50	5.2	6	○	○
	2412-R300T55*	23.7	12.0	6.00	5.5	3.00	5.2	6	○	○
	2814-R125T65	27.7	14.0	2.50	6.5	1.25	5.9	6	○	○
	2814-R150T65	27.7	14.0	3.00	6.5	1.50	5.9	6	○	○
	2814-R200T65	27.7	14.0	4.00	6.5	2.00	5.9	6	○	○
	2814-R250T65*	27.7	14.0	5.00	6.5	2.50	5.2	6	○	○
	2814-R300T65*	27.7	14.0	6.00	6.5	3.00	5.2	6	○	○
	3514-R075T100	34.7	14.0	1.50	10.0	0.75	5.9	6	○	○
	3514-R100T100	34.7	14.0	2.00	10.0	1.00	5.9	6	○	○
	3514-R125T100	34.7	14.0	2.50	10.0	1.25	5.9	6	○	○
	3514-R150T100	34.7	14.0	3.00	10.0	1.50	5.9	6	○	○
	3514-R200T100	34.7	14.0	4.00	10.0	2.00	5.9	6	○	○

Ordering example: RTMG2412-R100T55 HP630M provides non-standard order ● Standard inventory ○ Non-standard inventory

Pan thread



Icon = right hand

	Order number	Ds	d	Dmax	Pitch mm	American pitch	R	b	E	Tmax	α°	S	Z	HP630M	HD10
RTMI-	1006-1017560	9.7	6.0	7.0	1.0-1.75	24-15	/	0.13	3.5	1.08	60	3.4	3	○	○
	1006-102560	10.1	6.0	6.0	1.0-2.5	24-12	/	0.13	3.4	1.53	60	3.4	3	●	○
	1106-152560	11.0	6.0	7.0	1.5-2.5	16-12	/	0.19	3.4	1.47	60	3.4	3	○	○
	1206-102560	11.7	6.0	8.0	1.0-2.5	24-12	/	0.13	3.4	1.53	60	3.4	3	●	○
	1206-203060	11.7	6.0	8.0	2.0-3.0	12-8	0.12	/	3.2	1.85	60	3.4	3	○	○
	1208-102060	12.3	8.0	9.0	1.0-2.0	24-12	/	0.13	3.4	1.25	60	4.5	6	○	○
	1308-152560	13.2	8.0	10.0	1.5-2.5	16-12	/	0.19	2.4	1.53	60	4.0	6	●	○
	1308-203060	13.3	8.0	9.0	2.0-3.0	12-8	0.12	/	2.4	1.85	60	4.0	6	○	○
	1509-102560	14.7	9.0	11.0	1.0-2.5	24-12	/	0.13	2.5	1.53	60	3.4	6	●	○
	1609-103060	15.7	9.0	11.0	1.0-3.0	24-8	/	0.13	2.4	1.84	60	4.2	6	●	○
	1709-102560	17.2	9.0	14.0	1.0-2.5	24-12	/	0.13	4.9	1.53	60	4.0	6	○	○
	1809-204060	17.7	9.0	14.0	2.0-4.0	12-6	0.19	/	4.0	2.53	60	5.2	6	●	○
	2012-103060	19.7	12.0	16.0	1.0-3.0	24-8	/	0.13	2.4	1.84	60	4.0	6	○	○
	2012-203060	19.7	12.0	16.0	2.0-3.0	12-8	0.12	/	4.8	1.85	60	4.0	6	●	○
	2212-102560	21.7	12.0	16.0	1.0-2.5	24-12	/	0.13	4.9	1.53	60	5.9	6	○	○
	2212-254060	21.7	12.0	16.0	2.5-4.0	10-6	0.19	/	4.0	2.53	60	5.2	6	●	○
	2614-102560	25.7	14.0	20.0	1.0-2.5	24-12	/	0.13	4.9	1.53	60	5.9	6	○	○
	2614-254060	25.7	14.0	20.0	2.5-4.0	10-6	0.19	/	4.0	2.53	60	5.2	6	●	○
	2814-255060*	27.7	14.0	20.0	2.5-5.0	10-5	0.19	/	1.8	3.18	60	5.2	6	●	○

Note: Dmax is the maximum diameter of the tool holder

● Standard inventory ○ Non-standard inventory

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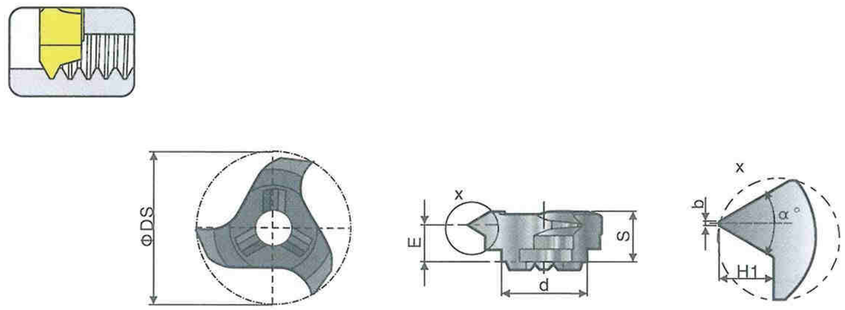
Metric full thread

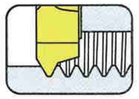


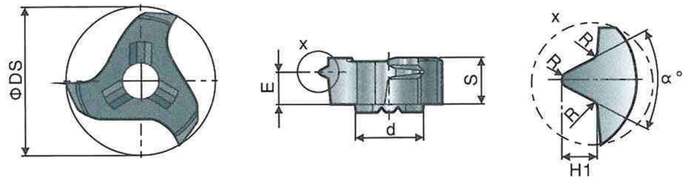
	Order number	Ds	d	Minimum thread diameter	Pitch	b	E	H1	α°	S	Z	HP630M	HD10
RTMI-	1006-1.00ISO	9.7	6.0	M12	1.00	0.13	3.0	0.54	60	3.5	3	○	○
	1006-1.50ISO	9.7	6.0	M12	1.50	0.19	2.8	0.81	60	3.5	3	○	○
	1006-2.00ISO	9.7	6.0	M14	2.00	0.25	2.6	1.08	60	3.5	3	○	○
	1408-1.00ISO	13.7	8.0	M16	1.00	0.13	3.6	0.54	60	4.0	6	○	○
	1408-1.50ISO	13.7	8.0	M18	1.50	0.19	3.5	0.81	60	4.0	6	○	○
	1408-2.00ISO	13.7	8.0	M18	2.00	0.25	3.3	1.08	60	4.0	6	○	○
	1809-1.50ISO	17.7	9.0	M22	1.50	0.19	4.8	0.81	60	5.5	6	○	○
	1809-2.00ISO	17.7	9.0	M22	2.00	0.25	4.6	1.08	60	5.5	6	○	○
	1809-3.00ISO	17.7	9.0	M27	3.00	0.37	4.3	1.62	60	5.5	6	○	○
	2212-1.50ISO	21.7	12.0	M24	1.50	0.19	4.8	0.81	60	5.5	6	○	○
	2212-2.00ISO	21.7	12.0	M27	2.00	0.25	4.6	1.08	60	5.5	6	○	○
	2212-3.00ISO	21.7	12.0	M30	3.00	0.37	4.4	1.62	60	5.5	6	○	○
	2212-3.50ISO	21.7	12.0	M30	3.50	0.43	4.3	1.89	60	5.5	6	○	○
	2212-4.00ISO	21.7	12.0	M33	4.00	0.50	2.5	2.16	60	5.2	6	○	○

Remarks: below R0.1 is b value

● Standard inventory ○ Non-standard inventory

British full tooth Whitworth thread





	Order number	Ds	d	Minimum thread diameter	Pitch	R	E	H1	α °	S	Z	HP630M	HD10
RTMI-	1006-19W	9.7	6.0	G1/4"	19	0.18	2.5	0.856	55	3.5	3	○	○
	1408-19W	13.7	8.0	G 3/8"	19	0.18	2.5	0.856	55	4.0	6	○	○
	1809-14W	17.7	9.0	G 3/4"	14	0.24	4.3	1.160	55	5.5	6	○	○
	2814-11W	27.7	14.0	G 1"	11	0.31	1.6	1.480	55	5.2	6	○	○
	2814-8W	27.7	14.0	-	8	0.43	2.0	2.030	55	5.2	6	○	○
	2814-6W	27.7	14.0	G 1 1/2"	6	0.58	2.5	2.710	55	5.2	6	○	○
	1809-204060	17.7	9.0	14.0	2.0-4.0	12-6	0.19	/	4.0	2.53	60	5.2	6	●	○
	2012-103060	19.7	12.0	16.0	1.0-3.0	24-8	/	0.13	2.4	1.84	60	4.0	6	○	○
	2012-203060	19.7	12.0	16.0	2.0-3.0	12-8	0.12	/	4.8	1.85	60	4.0	6	●	○
	2212-102560	21.7	12.0	16.0	1.0-2.5	24-12	/	0.13	4.9	1.53	60	5.9	6	○	○
	2212-254060	21.7	12.0	16.0	2.5-4.0	10-6	0.19	/	4.0	2.53	60	5.2	6	●	○
	2614-102560	25.7	14.0	20.0	1.0-2.5	24-12	/	0.13	4.9	1.53	60	5.9	6	○	○
	2614-254060	25.7	14.0	20.0	2.5-4.0	10-6	0.19	/	4.0	2.53	60	5.2	6	●	○
	2814-255060*	27.7	14.0	20.0	2.5-5.0	10-5	0.19	/	1.8	3.18	60	5.2	6	●	○

Note: Dmax is the maximum diameter of the tool holder

● Standard inventory ○ Non-standard inventory

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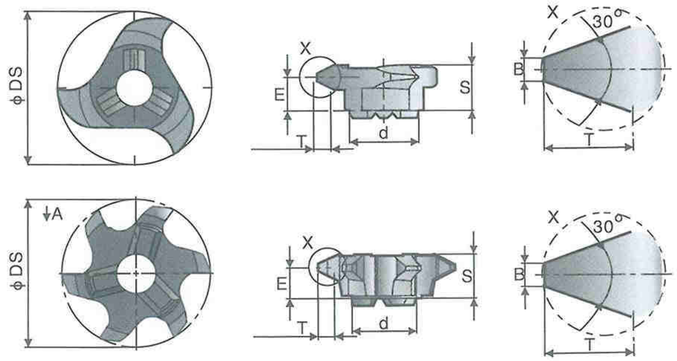
American trapezoidal thread

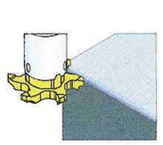
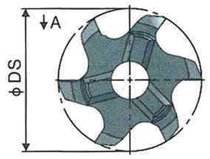


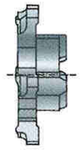
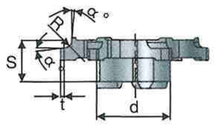
	Order number	Ds	d	Pitch	T	B	Helix angle	S	Z	HP630M	HD10
RTMG-	1006-2TR	9.7	6	TR14X2	1.25	0.60	3.5	3.5	3	○	○
	1206-2TR	11.7	6	TR16X2 TR18X2 TR20X2	1.25	0.60	3.5	3.5	3	●	○
	1609-3TR	15.7	9	TR20X3 TR22X3 TR24X3 TR26X3 TR28X3 TR32X3	1.75	0.96	5.0	5.5	6	●	○
	1509-4TR	14.7	9	TR20X4	2.25	1.33	4.5	5.5	6	●	○
	1609-5TR	15.7	9	TR22X5 TR24X5 TR26X5 TR28X5	2.75	1.69	4.5	5.5	6	●	○
	2012-5TR	19.7	12	TR26X5 TR28X5	2.75	1.69	4.5	5.9	6	●	○
	2212-6TR	21.7	12	TR30X6 TR36X6	3.50	1.92	4.5	5.9	6	●	○
	2814-6TR	27.7	14	TR36X6	3.50	1.92	4.5	5.2	6	●	○

Order example: RTMG-2212-6TR HP630M

● Standard inventory ○ Non-standard inventory

Outer R chamfer

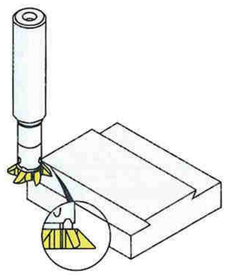
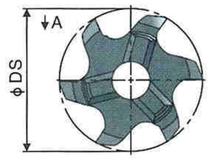



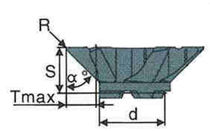
Order number		Ds	d	R	α°	t	S	Z	HP630M	HD10
RTMG-	2212-NR050	21.7	12.0	0.50	5	0.5	5.2	6	○	○
	2212-NR100	21.7	12.0	1.00	5	0.5	5.2	6	○	○
	2212-NR150	21.7	12.0	1.50	5	0.5	5.2	6	○	○
	2212-NR200	21.7	12.0	2.00	5	0.5	5.2	6	○	○
	2212-NR250	21.7	12.0	2.50	5	0.5	5.2	6	○	○
	2212-NR300	21.7	12.0	3.00	5	0.5	5.2	6	○	○
	2212-NR400	21.7	12.0	4.00	5	0.5	5.2	6	○	○

Ordering example: MG2212-NR400 can be customized for other chamfering angle tools

● Standard inventory ○ Non-standard inventory

Dovetail groove

Order number		Ds	d	R	α°	Tmax	S	Z	HP630M	HD10
RTMG-	0804-YW45T15	8.0	4.0	0.2	45	1.5	3.1	3	○	○
	1206-YW45T20	12.0	6.0	0.2	45	2.0	3.5	3	○	○
	1608-YW45T25	16.0	8.0	0.2	45	2.5	5.5	6	○	○
	2212-YW45T40	22.0	12.0	0.2	45	4.0	5.9	6	○	○
	2614-YW45T55	26.0	14.0	0.2	45	5.5	5.2	6	○	○

Order example: MG2212-YW45T40 HP630M

● Standard inventory ○ Non-standard inventory

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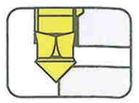
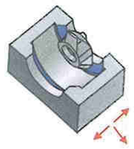
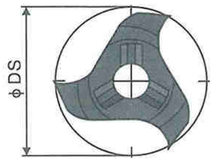
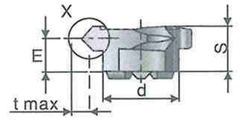
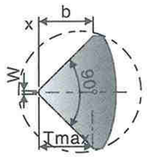
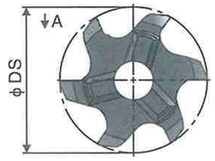
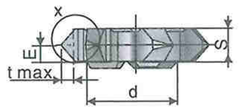
Slot Milling/Chamfering







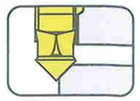
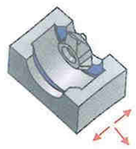
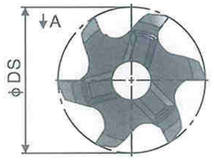


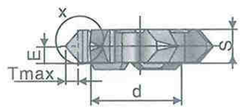
Order number		Ds	d	W	b	E	Tmax	S	Z	HP630M	HD10
RTMC-	0604-A90	6.0	4.0	0.2	0.7	1.2	0.7	3.0	3	●	○
	0804-A90	7.7	4.0	0.2	1.0	1.2	1.0	3.0	3	●	○
	1006-A90	9.7	6.0	0.2	1.2	2.0	1.2	3.5	3	●	○
	1609-A90	15.7	9.0	0.2	1.6	3.4	1.6	4.0	6	●	○
	2212-A90	21.7	12.0	0.2	2.6	2.4	2.6	5.2	6	●	○
	2614-A90	25.7	14.0	0.2	2.6	2.4	2.6	5.2	6	●	○

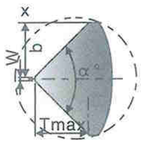
Ordering example: RTMC-2614A90 can be customized for other chamfering angle tools

● Standard inventory ○ Non-standard inventory

Slot Milling/Chamfering





Icon = right hand

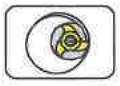
Order number		Ds	d	W	b	E	Tmax	α°	S	Z	HP630M	HD10
RTMC-	1609A30	15.7	9.0	0.2	1.9	3.4	0.52	15	4.0	6	○	○
	1609A40	15.7	9.0	0.2	1.9	3.4	0.69	20	4.0	6	○	○
	1609A60	15.7	9.0	0.2	1.9	3.4	1.12	30	4.0	6	○	○

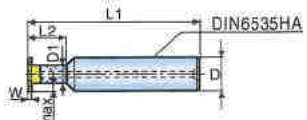
Ordering example: RTMC-1609A60 can be customized for other chamfering angle tools

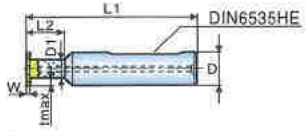
● Standard inventory ○ Non-standard inventory

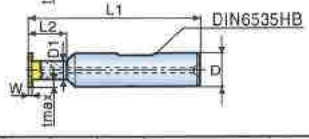
Modular Groove Milling Cutter Holder

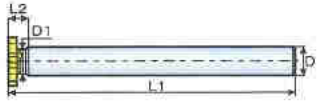
(H: Steel E: Carbide)











	Order number	D	D1	L 1	L2	Type	Suitable inserts			Internal cooling hole	Inventory
RTMC-	H08-13-04-N	8.0	4.0	60	13	DIN6535HB	M*-**04	CSTB1.8	T6	In stock	●
	H12-15-06-N	12.0	6.0	70	15	DIN6535HB	M*-**06	CSTB2.5	T6	In stock	●
	H16-18-08-N	16.0	8.0	80	18	DIN6535HB	M*-**08/09	CSTB4.0	T15	In stock	●
	H16-20-09-N	16.0	9.0	80	20	DIN6535HB	M*-**08/09	CSTB4.0	T15	In stock	●
	H16-25-12-N	16.0	12.0	90	25	DIN6535HB	M*-**12/14	CSTB5.0	T20	In stock	●
	H20-35-14-N	20.0	14.0	100	35	DIN6535HB	M*-**12/14	CSTB5.0	T20	In stock	●
	H08-00-06*	8.0	8.0	100	6	DIN6535HA	MG-**06	CSTB2.5	T6	out of stock	●
	H12-00-09*	12.0	12.0	120	7	DIN6535HA	MG-**08/09	CSTB4.0	T15	out of stock	●
	H16-00-14*	16.0	16.0	150	8	DIN6535HA	MG-**12/14	CSTB5.0	T20	out of stock	●
	H20-00-14*	20.0	20.0	160	8	DIN6535HA	MG-**12/14	CSTB5.0	T20	out of stock	●
	H25-00-14*	25.0	25.0	180	8	DIN6535HA	MG-**12/14	CSTB5.0	T20	out of stock	●
	E08-13-04-N	8.0	4.0	60	13	DIN6535HA	M*-**04	CSTB1.8	T6	In stock	○
	E08-17-04-N	8.0	4.0	64	17	DIN6535HA	M*-**04	CSTB1.8	T6	In stock	○
	E08-21-04-N	8.0	4.0	68	21	DIN6535HA	M*-**04	CSTB1.8	T6	In stock	●
	E12-21-06-N	12.0	6.0	80	21	DIN6535HA	M*-**06	CSTB2.5	T6	In stock	○
	E12-30-06-N	12.0	6.0	90	30	DIN6535HA	M*-**06	CSTB2.5	T6	In stock	○
	E12-42-06-N	12.0	6.0	100	42	DIN6535HA	M*-**06	CSTB2.5	T6	In stock	●
	E12-29-08-N	12.0	8.0	95	29	DIN6535HA	M*-**08/09	CSTB4.0	T15	In stock	○
	E12-42-08-N	12.0	8.0	100	42	DIN6535HA	M*-**08/09	CSTB4.0	T15	In stock	○
	E12-56-08-N	12.0	8.0	120	56	DIN6535HA	M*-**08/09	CSTB4.0	T15	In stock	●
	E16-32-09-N	16.0	9.0	100	32	DIN6535HA	M*-**08/09	CSTB4.0	T15	In stock	●
	E16-45-09-N	16.0	9.0	110	45	DIN6535HA	M*-**08/09	CSTB4.0	T15	In stock	●
	E16-64-09-N	16.0	9.0	130	64	DIN6535HA	M*-**08/09	CSTB4.0	T15	In stock	●
	E16-42-12-N	16.0	12.0	100	42	DIN6535HA	M*-**12/14	CSTB5.0	T20	In stock	◇
	E16-60-12-N	16.0	12.0	130	60	DIN6535HA	M*-**12/14	CSTB5.0	T20	In stock	●
	E16-85-12-N	16.0	12.0	160	85	DIN6535HA	M*-**12/14	CSTB5.0	T20	In stock	●
	E16-42-14-N	16.0	14.0	100	42	DIN6535HA	M*-**12/14	CSTB5.0	T20	In stock	○
	E16-60-14-N	16.0	14.0	130	60	DIN6535HA	M*-**12/14	CSTB5.0	T20	In stock	●
	E16-85-14-N	16.0	14.0	160	85	DIN6535HA	M*-**12/14	CSTB5.0	T20	In stock	●

Order example: RTMC-H16-18-08-N non-internal cooling type without "-N", non-internal cooling type will stop production

● Standard inventory ○ Non-standard inventory

Note: When the RTMC-H16-20-09-N tool holder uses MG**08 inserts, the effective depth of cut will change, please carefully calculate the clearance diameter

In addition to marking the stock, the fixing method needs to be DIN6535HB, and the DIN6535HE type should be specified separately

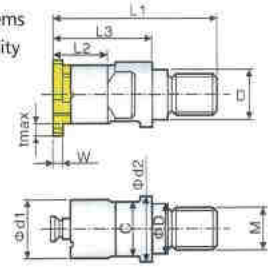
* The straight shank type is an economical tool holder, reserved for customers to modify the size of the tool holder (reformed neck squeeze or length truncated), deep hole cutting is not recommended, deep hole processing, it is recommended to use with internal cooling function Connectors link solid carbide holders or solid carbide holders without connectors

Important note: The series of modular blades have different effective cutting depths according to the needs. The tool holder and blade of the 08/09/12/14 interface can communicate with each other through the interchangeable connector and the screw. When the /09 interface tool holder is installed, the screw must be replaced, and a larger depth of cut can also be customized by non-standard

Connector: equal diameter/ variable diameter

1.Solve the problem of small holes and deep holes processing problems

2.Can be connected to the standard alloy holder to improve the rigidity



	Order number	L1	L2	L3	d1	d2	C	D	M	Suitable inserts			Internal cooling hole	Inventory
RTMC-	0606-M3	23	13	13	6	6	5	3.5	M3	M*-**06	CSTB2.5	T6	In stock	●
	0808-M4	28	16	16	8	8	7	4.5	M4	M*-**08/09	CSTB4.0	T15	In stock	●
	0909-M5	30	16	16	9	9	8	5.5	M5	M*-**08/09	CSTB4.0	T15	In stock	●
	1212-M6	34	19	19	12	12	11	6.5	M6	M*-**12/14	CSTB5.0	T20	In stock	●
	1414-M8	36	19	19	14	14	13	8.5	M8	M*-**12/14	CSTB5.0	T20	In stock	●
	1616-12/M8	36	3	19	12	16	14	8.5	M8	M*-**12/14	CSTB5.0	T20	In stock	●
	2020-14/M10	41	3	19	14	20	18	10.5	M10	M*-**12/14	CSTB5.0	T20	In stock	●
	2020-14/M12	41	3	19	14	20	18	12.5	M12	M*-**12/14	CSTB5.0	T20	In stock	●
	1606-M8	42	11	25	6	16	13	8.5	M8	M*-**06	CSTB2.5	T6	In stock	●
	1608-M8	42	14	25	8	16	13	8.5	M8	M*-**08/09	CSTB4.0	T15	In stock	●
	1609-M8	42	14	25	9	16	13	8.5	M8	M*-**08/09	CSTB4.0	T15	In stock	●
	1612-M8	42	15	25	12	16	13	8.5	M8	M*-**12/14	CSTB5.0	T20	In stock	●
	1614-M8	42	15	25	14	16	13	8.5	M8	M*-**12/14	CSTB5.0	T20	In stock	●

Note :RTMC-1614-M8 can be converted to RTMC-1612-M8 by grinding d1 size and RTMC-1609-M8 can be converted to RTMC-1608-M8 by grinding d1 size

● Standard inventory ○ Non-standard inventory

chamfering angle tools