



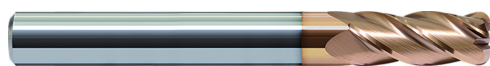
# MILLING Solid Carbide End Mills

HMX series for machining high hardness steel

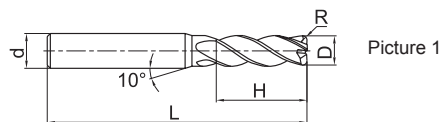
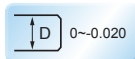
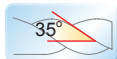
## 4-flute R end mills with long shank



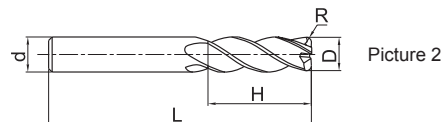
### HMX-4RBL/M/X



● HMX-4R series with long shank.



Picture 1



Picture 2

Type	Basic dimension(mm)					Number of teeth Z	Geometry	Stock
	D	R	d	H	L			
HMX-4RBL-D4.0R0.2S	4.0	0.2	4	10	75	4	Picture 2	●
HMX-4RBL-D4.0R0.2	4.0	0.2	6	10	75	4	Picture 1	●
HMX-4RBL-D4.0R0.5S	4.0	0.5	4	10	75	4	Picture 2	●
HMX-4RBL-D4.0R0.5	4.0	0.5	6	10	75	4	Picture 1	●
HMX-4RBL-D6.0R0.2	6.0	0.2	6	16	75	4	Picture 2	●
HMX-4RBX-D6.0R0.2	6.0	0.2	6	16	100	4	Picture 2	●
HMX-4RBL-D6.0R0.5	6.0	0.5	6	16	75	4	Picture 2	●
HMX-4RBX-D6.0R0.5	6.0	0.5	6	16	100	4	Picture 2	●
HMX-4RBL-D6.0R1.0	6.0	1.0	6	16	75	4	Picture 2	●
HMX-4RBX-D6.0R1.0	6.0	1.0	6	16	100	4	Picture 2	●
HMX-4RBM-D8.0R0.2	8.0	0.2	8	20	75	4	Picture 2	●
HMX-4RBL-D8.0R0.2	8.0	0.2	8	20	100	4	Picture 2	●
HMX-4RBM-D8.0R0.5	8.0	0.5	8	20	75	4	Picture 2	●
HMX-4RBL-D8.0R0.5	8.0	0.5	8	20	100	4	Picture 2	●
HMX-4RBM-D8.0R1.0	8.0	1.0	8	20	75	4	Picture 2	●
HMX-4RBL-D8.0R1.0	8.0	1.0	8	20	100	4	Picture 2	●
HMX-4RBL-D10.0R0.2	10.0	0.2	10	25	100	4	Picture 2	●
HMX-4RBX-D10.0R0.2	10.0	0.2	10	25	150	4	Picture 2	●
HMX-4RBL-D10.0R0.5	10.0	0.5	10	25	100	4	Picture 2	●
HMX-4RBX-D10.0R0.5	10.0	0.5	10	25	150	4	Picture 2	●
HMX-4RBL-D10.0R1.0	10.0	1.0	10	25	100	4	Picture 2	●
HMX-4RBX-D10.0R1.0	10.0	1.0	10	25	150	4	Picture 2	●
HMX-4RBL-D10.0R2.0	10.0	2.0	10	25	100	4	Picture 2	●
HMX-4RBX-D10.0R2.0	10.0	2.0	10	25	150	4	Picture 2	●
HMX-4RBL-D12.0R0.2	12.0	0.2	12	30	100	4	Picture 2	●
HMX-4RBX-D12.0R0.2	12.0	0.2	12	30	150	4	Picture 2	●
HMX-4RBL-D12.0R0.5	12.0	0.5	12	30	100	4	Picture 2	●
HMX-4RBX-D12.0R0.5	12.0	0.5	12	30	150	4	Picture 2	●
HMX-4RBL-D12.0R1.0	12.0	1.0	12	30	100	4	Picture 2	●
HMX-4RBX-D12.0R1.0	12.0	1.0	12	30	150	4	Picture 2	●
HMX-4RBL-D12.0R2.0	12.0	2.0	12	30	100	4	Picture 2	●
HMX-4RBX-D12.0R2.0	12.0	2.0	12	30	150	4	Picture 2	●

Applicable workpiece material table ● Very suitable ○ Suitable

● Stock available ○ Make-to-order

Workpiece material											
Carbon steel	Alloy steel	Pre-hardened steel, Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminum alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	●	●		○				

Code key

B258

Graphics category and identification

B259

Cutting parameters

B538

Non-standard customization

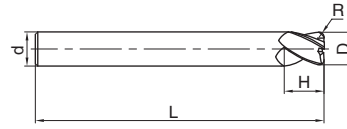
B570-B571

HMX series for machining high hardness steel

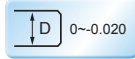
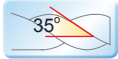
4-flute R end mills with straight shank and short cutting edge



HMX-4RF



- High-rigidity short edge design, for cutting with high feed rate at high speed.



Type	Basic dimension(mm)					Number of teeth Z	Stock
	D	R	d	H	L		
HMX-4RF-D6.0R0.5	6.0	0.5	6	6	50	4	●
HMX-4RF-D6.0R1.0	6.0	1.0	6	6	50	4	●
HMX-4RF-D8.0R0.5	8.0	0.5	8	8	60	4	●
HMX-4RF-D8.0R1.0	8.0	1.0	8	8	60	4	●
HMX-4RF-10.0R0.5	10.0	0.5	10	10	75	4	●
HMX-4RF-D10.0R1.0	10.0	1.0	10	10	75	4	●
HMX-4RF-D10.0R2.0	10.0	2.0	10	10	75	4	●
HMX-4RF-D12.0R0.5	12.0	0.5	12	12	75	4	●
HMX-4RF-D12.0R1.0	12.0	1.0	12	12	75	4	●
HMX-4RF-D12.0R2.0	12.0	2.0	12	12	75	4	●

● Stock available ○ Make-to-order

Indexable milling tools

Solid carbide end mills

HMX series

Applicable workpiece material table ○Very suitable ○Suitable

Workpiece material											
Carbon steel	Alloy steel	Pre-hardened steel, Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminum alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	●	●		○				

