

# MILLING BITS

## 6 mm multi purpose milling bits (up cut)

Our 6 mm multi purpose milling bits come in a large range of tip diameters and spiral lengths. See chart for more details on milling diameter, milling thickness and recommended RPM.



### How to read the bit name:

Bit		Multi Purpose	Up Cut	Single Flute	Shank Diameter		Tip Diameter	Flute Length		Total Length
BIT	-	M	U	S	06	-	3.5	12	-	50
BIT-MUS06-35 12-50										

### Applications:



ACM





















MDF










ACM

3 kw	1kw	Up Cut Bit	Up Cut Coated Bit	Up Cut Double Flute bit
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C Milling Max 60' RPM	XP Milling Max 60' RPM	X/XN/XL Milling Max 60' RPM	X/V Milling Max 45' RPM	Chuck / Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC lbag	MC lbag	42444067	42437913	BIT-MUS06-2006-50	Multi purpose, up-cut, single flute bit	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42443531	BIT-MUS06-2506-50	Multi purpose, up-cut, single flute bit	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42443549	BIT-MUS06-3006-50	Multi purpose, up-cut, single flute bit	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42437905	BIT-MUS06-3011-50	Multi purpose, up-cut, single flute bit	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42443556	BIT-MUS06-3512-50	Multi purpose, up-cut, single flute bit	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42459537	BIT-MUS06-3014-50	Multi purpose, up-cut, single flute bit	13 mm 1/2"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42443564	BIT-MUS06-4006-50	Multi purpose, up-cut, single flute bit	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42437863	BIT-MUS06-4012-50	Multi purpose, up-cut, single flute bit	10mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42443572	BIT-MUS06-4022-50	Multi purpose, up-cut, single flute bit	20 mm 13/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						

C Milling Max 60' RPM	XP Milling Max 60' RPM	X/XN/XL Milling Max 60' RPM	X/V Milling Max 45' RPM	Chuck / Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC Ibag	MC Ibag	42444067	42451062	BIT-MUS06-5012-50	Multi purpose, up-cut, single flute bit	10 mm 3/8"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42443598	BIT-MUS06-5022-58	Multi purpose, up-cut, single flute bit	20 mm 4/5"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42451070	BIT-MUS06-6012-50	Multi purpose, up-cut, single flute bit	10 mm 3/8"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42442715	BIT-MUS06-6022-58	Multi purpose, up-cut, single flute bit	20 mm 4/5"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42438077	BIT-MUS06-6032-64	Multi purpose, up-cut, single flute bit	30 mm 1 3/16"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42451096	BIT-MUS06-2006-50C1	Multi purpose, up-cut, single flute, coated. Special variety of multi purpose milling bit, coated for better performance with different materials like aluminum and ACM	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42471706	BIT-MUS06-2006-50C2	Multi purpose, up-cut, single flute, Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42451104	BIT-MUS06-3006-50C1	Multi purpose, up-cut, single flute, coated. Special variety of multi purpose milling bit, coated for better performance with different materials like aluminum and ACM	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42471714	BIT-MUS06-3006-50C2	Multi purpose, up-cut, single flute. Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						

C Milling Max 60° RPM	XP Milling Max 60° RPM	X/XN/XL Milling Max 60° RPM	X/V Milling Max 45° RPM	Chuck / Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC Ibag	MC Ibag	42444067	42451112	BIT- MUS06-4006-50C1	Multi purpose, up-cut, single flute, coated. Special variety of multi purpose milling bit, coated for better performance with different materials like aluminum and ACM	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42471722	BIT- MUS06-4006-50C2	Multi purpose, up-cut, single flute. Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42460824	BIT- MUS06-4012-50C1	Multi purpose, up-cut, single flute, coated. Special variety of multi purpose milling bit, coated for better performance with different materials like aluminum and ACM	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42471730	BIT- MUS06-4012-50C2	Multi purpose, up-cut, single flute. Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42471748	BIT- MUS06-6012-50C2	Multi purpose, up-cut, single flute. Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	10 mm 3/8"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728				Max 60'		
	HSMU	MC Ibag	MC Ibag	42444067	42455857	BIT- MUD06-4016-64	Multi purpose, up-cut, double flute bit	14 mm 9/16"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728				Max 60'		
	HSMU	MC Ibag	MC Ibag	42444067	42455865	BIT- MUD06-6025-64	Multi purpose, up-cut, double flute bit	23 mm 7/8"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728				Max 60'		

# MILLING BITS

## 6 mm multi purpose milling bits (down cut)

Our 6 mm multi purpose milling bits come in a large range of tip diameters and spiral lengths. See chart for more details on milling diameter, milling thickness and recommended RPM.



### How to read the bit name:

Bit		Multi Purpose	Down Cut	Single Flute	Shank Diameter		Tip Diameter	Flute Length		Total Length
BIT	-	M	D	S	06	-	4.0	12	-	50
BIT-MDS06-4012-50										

### Applications:









Application display



MultiCUT HP

3 kw	1kw	Down Cut Bit
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C Milling Max 60' RPM	XP Milling Max 60' RPM	X/XN/XL Milling Max 60' RPM	X/V Milling Max 45' RPM	Chuck / Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC Ibag	MC Ibag	42444067	42449355	BIT-MDS06-2004-50	Multi purpose, down-cut, single flute bit	3 mm 1/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42449363	BIT-MDS06-3006-50	Multi purpose, down-cut, single flute bit	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42447342	BIT-MDS06-3011-50	Multi purpose, down-cut, single flute bit	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42449371	BIT-MDS06-4008-50	Multi purpose, down-cut, single flute bit	7 mm 9/32"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42449389	BIT-MDS06-4012-50	Multi purpose, down-cut, single flute bit	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42447359	BIT-MDS06-5022-60	Multi purpose, down-cut, single flute bit	20 mm 13/16"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	

# MILLING BITS

## 6 mm & 8 mm super sharp milling bits

Our 6 mm and 8 mm super sharp milling bits come in a large range of tip diameters and spiral lengths. See chart for more details on milling diameter, milling thickness and recommended RPM. The Super Sharp bits are ground/polished for an optimized routing surface.



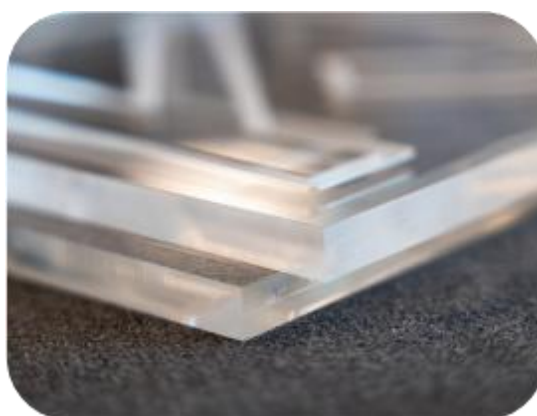
### How to read the bit name:

Bit		Acrylic	Up Cut	Single Flute	Shank Diameter		Tip Diameter	Flute Length		Total Length
BIT	-	A	U	S	06	-	4.0	12	-	50
BIT-AUS06-4012-50										

### Applications:



Acrylic



Acrylic





















Acrylic









Acrylic Bits

3 kw	1kw	Up Cut Bit	Down Cut Bit	Up Cut Coated Bit
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C Milling Max 60'RPM	XP Milling Max 60'RPM	X/XN/XL Milling Max 60'RPM	X/V Milling Max 45'RPM	Chuck / Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC lbag	MC lbag	42444067	42437897	BIT-AUS06-2006-50	Acrylic (super sharp), up-cut, single flute bit	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42445916	BIT-AUS06-3006-50	Acrylic (super sharp), up-cut, single flute bit	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42437889	BIT-AUS06-3011-50	Acrylic (super sharp), up-cut, single flute bit	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42458992	BIT-AUS06-3014-50	Acrylic (super sharp), up-cut, single flute bit	13 mm 1/2"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42449439	BIT-AUS06-3022-60	Acrylic (super sharp), up-cut, single flute bit	20 mm 4/5"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42445924	BIT-AUS06-4008-50	Acrylic (super sharp), up-cut, single flute bit	7 mm 9/32"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42437848	BIT-AUS06-4012-50	Acrylic (super sharp), up-cut, single flute bit	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42442665	BIT-AUS06-4022-50	Acrylic (super sharp), up-cut, single flute bit	20 mm 4/5"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						

C Milling Max 60° RPM	XP Milling Max 60° RPM	X/XN/XL Milling Max 60° RPM	X/V Milling Max 45° RPM	Chuck / Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC Ibag	MC Ibag	42444067	42451047	BIT-AUS06-5012-50	For acrylic (super sharp), up-cut, single flute bit	11 mm 3/8"	Max 40'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42443762	BIT-AUS06-5022-58	For acrylic (super sharp), up-cut, single flute bit	20 mm 4/5"	Max 40'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42451054	BIT-AUS06-6012-50	For acrylic (super sharp), up-cut, single flute bit	11 mm 3/8"	Max 40'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42442707	BIT-AUS06-6022-58	For acrylic (super sharp), up-cut, single flute bit	20 mm 4/5"	Max 40'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42438069	BIT-AUS06-6032-64	For acrylic (super sharp), up-cut, single flute bit	30 mm 1 1/8"	Max 40'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728					Max 60'	
HPMU	HPMU			42454736	42454561	BIT-AUS08-8042-76	For acrylic (super sharp), up-cut, single flute bit	40 mm 1 1/2"	Max 30'	
HPMU	HPMU			42454736	42454579	BIT-AUS08-8055-90	For acrylic (super sharp), up-cut, single flute bit	50 mm 2"	Max 30'	
	HSMU	MC Ibag	MC Ibag	42444067	42477760	BIT-ACS06-4012-50	For acrylic clear single flute bit. Ground for a nice clear effect on acrylic materials	10 mm 3/8"	Max 60'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42477778	BIT-ACS06-6012-50	For acrylic clear single flute bit. Ground for a nice clear effect on acrylic materials	11 mm 3/8"	Max 40'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC Ibag	MC Ibag	42444067	42477786	BIT-ACS06-6022-58	For acrylic clear single flute bit. Ground for a nice clear effect on acrylic materials	20 mm 4/5"	Max 40'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728					Max 60'	

3 kw	1 kw	Down Cut Bit
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C Milling Max 60' RPM	XP Milling Max 60' RPM	X/XN/XL Milling Max 60' RPM	X/V Milling Max 45' RPM	Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC Ibag	MC Ibag	42444067	42449488	BIT-ADS06-2006-50	For acrylic (super sharp), down-cut, single flute bit	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42445932	BIT-ADS06-3006-50	For acrylic (super sharp), down-cut, single flute bit	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42443358	BIT-ADS06-3011-50	For acrylic (super sharp), down-cut, single flute bit	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42445940	BIT-ADS06-4008-50	For acrylic (super sharp), down-cut, single flute bit	7 mm 9/32"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42445957	BIT-ADS06-4012-50	For acrylic (super sharp), down-cut, single flute bit	11 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42442756	BIT-ADS06-5022-60	For acrylic (super sharp), down-cut, single flute bit	20 mm 4/5"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	

# MILLING BITS

## 6 mm soft metal single flute bits

6 mm multi purpose bits are ideal for milling soft metals such as aluminum. See chart for more details on milling diameter, milling thickness and recommended RPM.



### How to read the bit name:

Bit		Soft Metals	Up Cut	Single Flute	Shank Diameter		Tip Diameter	Flute Length		Total Length
BIT	-	S	U	S	06	-	4.0	20	-	64
BIT-SUS06-4020-64										

### Applications:



Printed ACM



ACM












Aluminum sign letters



ACM

3 kw	1kw	Up Cut Coated Bit
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C Milling Max 60'RPM	XP Milling Max 60'RPM	X/XN/XL Milling Max 60'RPM	X/V Milling Max 45'RPM	Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC Ibag	MC Ibag	42444067	42451096	BIT-MUS06-2006-50C1	Multi purpose, up-cut, single flute, coated. Special variety of multi purpose milling bit, coated for better performance with different materials like aluminum and ACM	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42471706	BIT-MUS06-2006-50C2	Multi purpose, up-cut, single flute, Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42451104	BIT-MUS06-3006-50C1	Multi purpose, up-cut, single flute, coated. Special variety of multi purpose milling bit, coated for better performance with different materials like aluminum and ACM	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42471714	BIT-MUS06-3006-50C2	Multi purpose, up-cut, single flute, Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42451112	BIT-MUS06-4006-50C1	Multi purpose, up-cut, single flute, coated. Special variety of multi purpose milling bit, coated for better performance with different materials like aluminum and ACM	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42471722	BIT-MUS06-4006-50C2	Multi purpose, up-cut, single flute. Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42460824	BIT-MUS06-4012-50C1	Multi purpose, up-cut, single flute, coated. Special variety of multi purpose milling bit, coated for better performance with different materials like aluminum and ACM	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC Ibag	MC Ibag	42444067	42471730	BIT-MUS06-4012-50C2	Multi purpose, up-cut, single flute. Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	10 mm 3/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						

C Milling Max 60' RPM	XP Milling Max 60' RPM	X/XN/XL Milling Max 60' RPM	X/V Milling Max 45' RPM	Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC Ibag	MC Ibag	42444067	42471748	BIT-MUS06-6012-50C2	Multi purpose, up-cut, single flute. Special variety of multi purpose milling bit, premium coating for better performance and life in different materials like aluminum and ACM. Helix 30°	10 mm 3/8"	Max 40'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728						

# MILLING BITS

## 6 mm wood double flute bits

6 mm multi purpose bits are ideal for milling soft metals such as aluminum. See chart for more details on milling diameter, milling thickness and recommended RPM.



### How to read the bit name:

Bit		Wood	Up Cut	Double Flute	Shank Diameter		Tip Diameter	Flute Length		Total Length
BIT	-	W	U	D	06	-	4.0	16	-	64
BIT-WUD06-4016-64										

### Applications:



MDF



Wood composite




Wood



Printed wood sign

3 kw	1 kw	Up Cut Bit
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C Milling Max 60' RPM	XP Milling Max 60' RPM	X/XN/XL Milling Max 60' RPM	X/V Milling Max 45' RPM	Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC lbag	MC lbag	42444067	42458497	BIT-WUD06-4016-64	For soft & hard composite wood with top print laminate	15 mm 5/8"	Max 50'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42458752	BIT-WUD06-6025-64	For soft & hard composite wood with top print laminate	23 mm 7/8"	Max 50'	
		MC Kavo		02721314					Max 60'	
HPMU	HPMU	MC HP		42454728						

# MILLING BITS

## 3 mm multi purpose milling bits

3 mm multi purpose bits are ideal for milling many small details and inside radiuses in thinner materials. They can all be runned at full 60,000 RPM on all platforms.



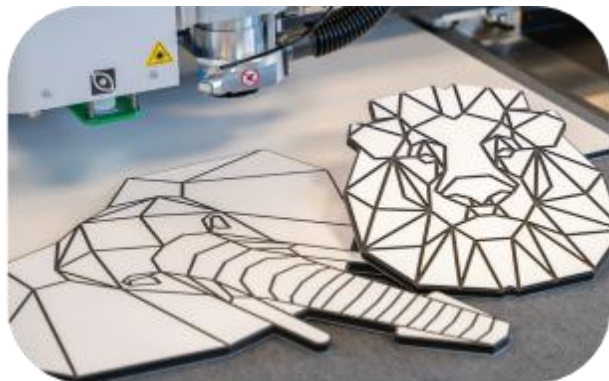
### How to read the bit name:

Bit		Multi Purpose	Up Cut	Single Flute	Shank Diameter		Tip Diameter	Flute Length		Total Length
BIT	-	M	U	S	03	-	2.0	06	-	38
BIT-MUS03-2006-38										

### Applications:



Printed PVC with fine detail













Foamalux PVC



Fine detailed aluminum sign

3 kw	1 kw	Up Cut Bit	Down Cut Bit
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C Milling Max 60' RPM	XP Milling Max 60' RPM	X/XN/XL Milling Max 60' RPM	X/V Milling Max 45' RPM	Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC lbag	MC lbag	42444083	42443390	BIT-MUS03-1004-38	Multi purpose, up-cut, single flute bit	3 mm 1/8"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443408	BIT-MUS03-1506-38	Multi purpose, up-cut, single flute bit	5 mm 3/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443416	BIT-MUS03-2006-38	Multi purpose, up-cut, single flute bit	5 mm 3/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443424	BIT-MUS03-2506-38	Multi purpose, up-cut, single flute bit	5 mm 6/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443432	BIT-MUS03-3006-38	Multi purpose, up-cut, single flute bit	5 mm 6/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443440	BIT-MUS03-3011-38	Multi purpose, up-cut, single flute bit	10 mm 3/8"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42449306	BIT-MDS03-1002-38	Multi purpose, down-cut, single flute bit	1.5 mm 1/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42449314	BIT-MDS03-1503-38	Multi purpose, down-cut, single flute bit	2.5 mm 3/32"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42449330	BIT-MDS03-3006-38	Multi purpose, down-cut, single flute bit	5 mm 3/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42449348	BIT-MDS03-3011-38	Multi purpose, down-cut, single flute bit	10 mm 3/8"	Max 60'	
HPMU	HPMU	MC HP		42455675						

# MILLING BITS

## 3 mm super sharp milling bits

3 mm super sharp milling bits are ideal for milling many small details and inside radiuses in thinner materials. They can all be runned at full 60,000 RPM on all platforms. The Super Sharp bits are ground/polished for an optimized routing surface.



### How to read the bit name:

Bit		Acrylic	Down Cut	Single Flute	Shank Diameter		Tip Diameter	Flute Length		Total Length
BIT	-	A	D	S	03	-	1.0	03	-	38
BIT-ADS03-1003-38										

### Applications:











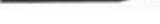






Acrylic with fine detail



Acrylic

3 kw	1 kw	Up Cut Bit	Down Cut Bit
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C Milling Max 60'RPM	XP Milling Max 60'RPM	X/XN/XL Milling Max 60'RPM	X/V Milling Max 45'RPM	Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC lbag	MC lbag	42444083	42443614	BIT-AUS03-1004-30	For acrylic (super sharp), up-cut, single flute bit	3 mm 1/8"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443622	BIT-AUS03-1506-30	For acrylic (super sharp), up-cut, single flute bit	5 mm 3/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443630	BIT-AUS03-2006-30	For acrylic (super sharp), up-cut, single flute bit	5 mm 3/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443648	BIT-AUS03-2008-30	For acrylic (super sharp), up-cut, single flute bit	7 mm 9/32"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443655	BIT-AUS03-2011-38	For acrylic (super sharp), up-cut, single flute bit	10 mm 3/8"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443663	BIT-AUS03-2506-30	For acrylic (super sharp), up-cut, single flute bit	5 mm - 3/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443671	BIT-AUS03-2511-38	For acrylic (super sharp), up-cut, single flute bit	10 mm 3/8"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443689	BIT-AUS03-3006-30	For acrylic (super sharp), up-cut, single flute bit	5 mm 3/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443697	BIT-AUS03-3011-38	For acrylic (super sharp), up-cut, single flute bit	10 mm 3/8"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42443705	BIT-AUS03-3022-50	For acrylic (super sharp), up-cut, single flute bit	20 mm 4/5"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42449447	BIT-ADS03-1003-38	For acrylic (super sharp), down-cut, single flute bit	2.5 mm 3/32"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42449454	BIT-ADS03-1504-38	For acrylic (super sharp), down-cut, single flute bit	3 mm 1/8"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42449462	BIT-ADS03-2006-38	For acrylic (super sharp), down-cut, single flute bit	5 mm 3/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42445981	BIT-ADS03-3006-38	For acrylic (super sharp), down-cut, single flute bit	5 mm 3/16"	Max 60'	
HPMU	HPMU	MC HP		42455675						
	HSMU	MC lbag	MC lbag	42444083	42449470	BIT-ADS03-3011-38	For acrylic (super sharp), down-cut, single flute bit	10 mm 3/8"	Max 60'	
HPMU	HPMU	MC HP		42455675						

# MILLING BITS

## 6 mm special purpose milling bits

This is our section for special purpose milling bits for engraving, high speed folding lines in ACM (aluminum composite materials), outer radius, braille mounting etc. See chart for details, milling thickness, max RPM, etc.



### How to read the bit name:

Bit		Engraving Bit	V -Shape	Shank Diameter		Angle
BIT	-	E	V	06	-	40
BIT-EV06-40						

### Applications:











Engraved acrylic






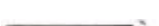













Engraving with folding bit



Milled wood radius detail

3 kw		1 kw	Engraving	Radius Bit	Polishing Bit	Braille Bit	Compression Bit	Straight Cut Bit		
C Milling Max 60'RPM	XP Milling Max 60'RPM	X/XN/XL Milling Max 60'RPM	X/V Milling Max 45'RPM	Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC lbag	MC lbag	42444067	42444398	BIT-EBV06-40	Engraving bits for acrylics, other synthetic materials and wood. 40°. Produces a bottom groove diameter of 0.4 mm	4 mm 5/32"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42444406	BIT-EBV06-60	Engraving bits for acrylics, other synthetic materials and wood. 60°. Produces a bottom groove diameter of 0.4 mm	4 mm 5/32"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42444992	BIT-EBV06-46	Special purpose milling bit for making crease lines in polypropylene. 46°. Produce a bottom groove diameter of 0.4 mm (ball nose bit)	4 mm 5/32"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42444380	BIT-EBV06-73	Folding tool for aluminum composite material, max 3 mm	3 mm 1/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	02731628	BIT-EBV06-94	Hi-speed folding tool for aluminum composite material, 90°, max 4 mm. Tip width 0.9 mm produce a groove bottom of 1.8 mm	4 mm 5/32"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42475905	BIT-EBV06-90/16-2F	3D/Vgrooving, 45° tools for plastics/wood/MDF. Solid carbide core for high stability. Extremely long life. Makes an up to 8 mm deep groove	8 mm 5/16"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42458141	BIT-EBV06-120-2F	Hi-speed folding tool for aluminum composite material, 120° 2 flute. ball nose with tip dia. 1.8 mm	4 mm 5/32"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42459719	BIT-EBV06-60-4F	Hi-speed four flute folding tool for grey board and similar materials, max 5.2 mm; this tool makes a 60° groove	5.2 mm 1/5"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						

				Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC lbag	MC lbag	42444067	42459727	BIT-EBV06-90-4F	Hi-speed four flute folding tool for grey board and similar materials, max 3 mm; this tool makes a 90° groove	3 mm 1/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42483826	BIT-EBV06-94-4F	Hi-speed four flute folding tool for grey board and similar materials, max 3 mm; this tool makes a 94° groove	3 mm 1/8"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		2454728						
	HSMU	MC lbag	MC lbag	42444067	42459735	BIT-EBV06-120-4F	Hi-speed four flute folding tool for grey board and similar materials, max 1.7 mm; this tool makes a 120° groove	1.7 mm 1/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42462960	BIT-EBV06-158-5F	Five flute engraving bit for wood, MDF, hardboard, flooring etc.	0.3 mm 1/64"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42483834	BIT-TSD06-1005-50	Bit for creating T-slot in materials like Acrylic and MDF. Slot depth max 5 mm	5 mm 3/16" /pass	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	34092429	BIT-RBO06-04	Radius bit, outer, 6 mm shaft, radius 5 mm	4 mm 5/32"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	34111567	BIT-RBO06-04-06	Radius bit, single flute	4 to 5.2 mm 5/32" to 3/16"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	34111583	BIT-RBO06-08-10	Radius bit, single flute	8 to 10 mm 9/32" to 3/8"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						

C Milling Max 60'RPM	XP Milling Max 60'RPM	X/XN/XL Milling Max 60'RPM	X/V Milling Max 45'RPM	Collets part no.	Bit part no.	Bit name	Description	Max milling	Max RPM	Picture
	HSMU	MC lbag	MC lbag	42444067	34111591	BIT-RBO06-12-14	Radius bit, outer, 6 mm shaft, radius 3.5 mm	12 to 14 mm 15/32" to 1/2"	Max 40'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42452169	Monocrystalline diamond polish bit	For polishing edges of acrylics and similar materials	5 mm 3/16"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42471797	Monocrystalline diamond polish bit 45° (2.8mm)	Special milling bit for polishing edges of Acrylic and similar materials in a 45° angle. Typical use for this bit is to polishing edges	2.8 mm 7/64"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42463646	Polycrystalline diamond polishing bit 14 mm	For polishing edges of acrylics and similar materials. Gives a semi-glossy surface	13 mm 1/2"	Max 60'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42460238	BIT- BRAILLE06 -1403-50	Drilling bit for braille. For drilling in acrylic, PVC, etc. Shaft 6 mm, Tip diameter: 1.55 mm (0.0610 Inch) Worktogether with the Braille tool	3 mm 1/8"	Max 20'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42455477	BIT- BRAILLE06-1503-50	Drilling bit for braille. For use in harder materials like Aluminum, ACM etc. Tip diameter: 1.56 mm (0.0615 inch) Works together with the Braille tool	3 mm 1/8"	Max 20'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728						
	HSMU	MC lbag	MC lbag	42444067	42471763	BIT-MCS06-4015-50	This is a compression bit for smooth edges on both top and bottom liner, can handle materials as thin as 2 mm	13 mm 1/2"	Max 50'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC lbag	MC lbag	42444067	42471771	BIT-MCS06-6022-64	This is a compression bit for smooth edges on both top and bottom liner, can handle materials as thin as 2 mm	20 mm 4/5"	Max 50'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	
	HSMU	MC lbag	MC lbag	42444067	42458794	BIT- MSD06-6025-64	For Gatorplast, Ultraboard, Kappa with direct print or blank	23 mm 7/8"	Max 50'	
		MC Kavo		02721314						
HPMU	HPMU	MC HP		42454728					Max 60'	

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