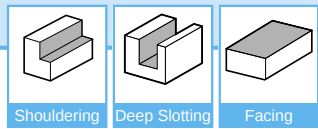


MHD Helical Endmill

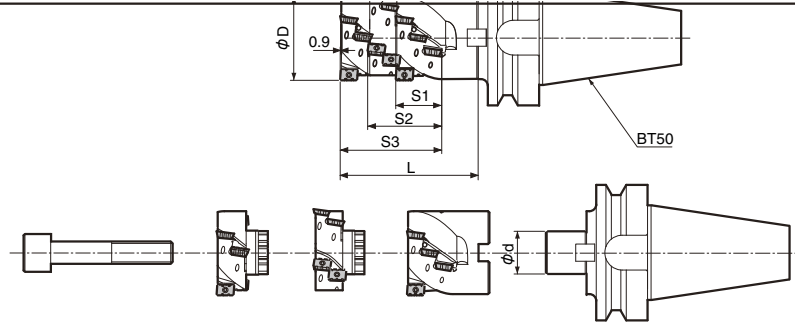
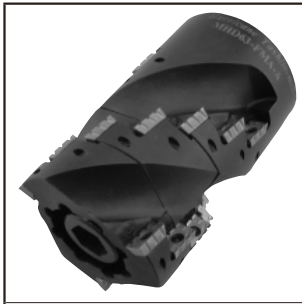


Shouldering

Deep Slotting

Facing

MHD-FMA-SA Arbor-Free type (Base Unit+2 Front Pieces+Clamp Bolt)



Arbor should be purchased separately.

Use notched insert (-N2, -N3).

Toolholder Dimensions

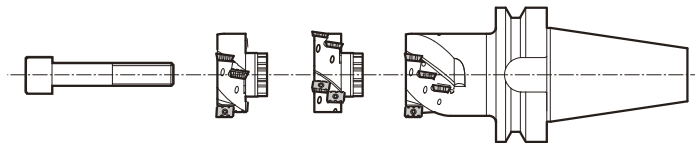
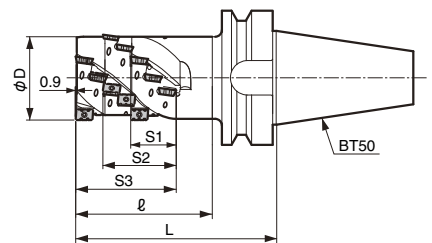
Description	Std.	No. of Insert	No. of Flute	Dimension (mm)							Rake Angle (°)		Weight (Kg)
				øD	ød	L	C	S1	S2	S3	A.R.	R.R.	
MHD 63-FMA-SA	○	21	3	63	31.75	102.9	0.9	31.8	52.8	74.7	+9°	0°	1.6
80-FMA-SA	○	27		80	38.1	123.9			63.3	95.7			3.5
100-FMA-SA	○	40	4	100	50.8	129.9		42.3	73.8	106.2			5.7

• Above weight does not include arbor's weight.

Applicable Insert and Composition of Toolholder

Endmill	Applicable Inserts	Base Unit	Front Piece (2pcs)	Applicable Arbor
MHD 63-FMA-SA	NDMM12T308ER-N2 / N3	MHD63-FMA-A	MHD63-F	BT50-FMA31.75-○○
80-FMA-SA		MHD80-FMA-A	MHD80-F	BT50-FMA38.1-○○
100-FMA-SA		MHD100-FMA-A	MHD100-F	BT50-FMA50.8-○○

MHD-BT50-SA Integral Arbor type (Base Unit+2 Front Pieces+Clamp Bolt)



Use notched insert (-N2, -N3).

Toolholder Dimensions

Description	Std.	No. of Insert	No. of Flute	Dimension (mm)							Rake Angle (°)		Weight (Kg)
				øD	L	ℓ	C	S1	S2	S3	A.R.	R.R.	
MHD 63-BT50-SA	○	21	3	63	137	89	0.9	31.8	52.8	74.7	+9°	0°	5.3
80-BT50-SA	○	27		80	158	110			63.3	95.7			7.6
100-BT50-SA	○	40	4	100	168	129.9		42.3	73.8	106.2			10.2

Applicable Inserts and Composition of Toolholder

Endmill	Applicable Inserts	Base Unit	Front Piece (2pcs)
MHD 63-BT50-SA	NDMM12T308ER-N2 / N3	MHD63-BT50-A	MHD63-F
80-BT50-SA		MHD80-BT50-A	MHD80-F
100-BT50-SA		MHD100-BT50-A	MHD100-F

● : Std. Item ○ : Check Availability R : Std. Item (R-hand Only) L : Std. Item (L-hand Only)