

DRILLING (SOLID CARBIDE)

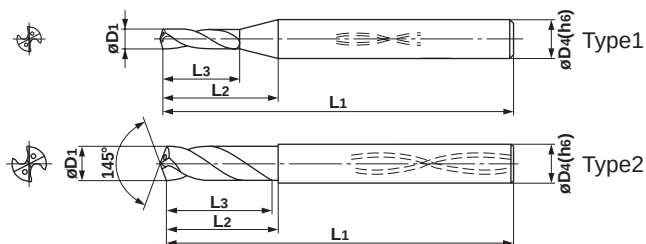
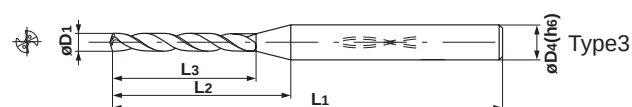
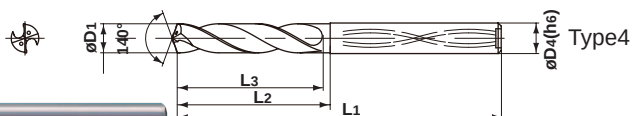
MINI-MWS

- Through coolant micro drills for stable deep hole drilling.
- For high accuracy and efficient drilling of carbon steels through to difficult-to-cut materials.

Carbon Steel Alloy Steel	Hardened Steel	Stainless Steel	Cast Iron	Light Alloy	Heat Resistant Alloy
◎		◎	◎	○	○

SB Type

(For pilot holes)

**LB/XB Type****DB Type**

(Note 1) MWS drills are suitable for use with shrink fit holders.

(Note 2) Point Angle: Type1 140° for drill diameter ϕ 0.50-2.0 and 145° for ϕ 2.05-2.95.Type3 135° for drill diameter ϕ 0.50-2.0 and 140° for ϕ 2.05-2.95.

Drill Dia. D1 (mm)	Hole Depth (l/d)	Coolant (Int./Ext.)	Stock VP15TF	Order Number	Dimensions (mm)				Type
					L3	L2	L1	D4	
0.50	1	Int.	●	MWS0050SB	2.5	7.2	47	3	1
	5	Int.	★	0050LB	8	13	47	3	3
	12	Int.	★	0050XB	16	21	47	3	3
0.51	1	Int.	★	0051SB	2.6	7.2	47	3	1
	5	Int.	★	0051LB	8	13	47	3	3
	12	Int.	★	0051XB	16	21	47	3	3
0.52	1	Int.	★	0052SB	2.6	7.2	47	3	1
	5	Int.	★	0052LB	8	13	47	3	3
	12	Int.	★	0052XB	16	21	47	3	3
0.53	1	Int.	★	0053SB	2.6	7.2	47	3	1
	5	Int.	★	0053LB	8	13	47	3	3
	12	Int.	★	0053XB	16	21	47	3	3
0.54	1	Int.	★	0054SB	2.6	7.2	47	3	1
	5	Int.	★	0054LB	8	13	47	3	3
	12	Int.	★	0054XB	16	21	47	3	3
0.55	1	Int.	●	0055SB	2.6	7.2	47	3	1
	5	Int.	★	0055LB	8	13	47	3	3
	12	Int.	★	0055XB	16	21	47	3	3
0.56	1	Int.	★	0056SB	2.9	7.5	47	3	1
	5	Int.	★	0056LB	8	13	47	3	3
	12	Int.	★	0056XB	16	21	47	3	3
0.57	1	Int.	★	0057SB	2.9	7.4	47	3	1
	5	Int.	★	0057LB	8	13	47	3	3
	12	Int.	★	0057XB	16	21	47	3	3

Drill Dia. D1 (mm)	Hole Depth (l/d)	Coolant (Int./Ext.)	Stock VP15TF	Order Number	Dimensions (mm)				Type
					L3	L2	L1	D4	
0.58	1	Int.	★	MWS0058SB	2.9	7.4	47	3	1
	5	Int.	★	0058LB	8	13	47	3	3
	12	Int.	★	0058XB	16	21	47	3	3
0.59	1	Int.	★	0059SB	2.9	7.4	47	3	1
	5	Int.	★	0059LB	8	12	47	3	3
	12	Int.	★	0059XB	16	20	47	3	3
0.60	1	Int.	●	0060SB	2.9	7.4	47	3	1
	5	Int.	★	0060LB	8	12	47	3	3
	12	Int.	★	0060XB	16	20	47	3	3
0.61	1	Int.	★	0061SB	3.1	7.6	47	3	1
	5	Int.	★	0061LB	8	12	47	3	3
	12	Int.	★	0061XB	16	20	47	3	3
0.62	1	Int.	★	0062SB	3.1	7.5	47	3	1
	5	Int.	★	0062LB	8	12	47	3	3
	12	Int.	★	0062XB	16	20	47	3	3
0.63	1	Int.	★	0063SB	3.1	7.5	47	3	1
	5	Int.	★	0063LB	8	12	47	3	3
	12	Int.	★	0063XB	16	20	47	3	3
0.64	1	Int.	★	0064SB	3.1	7.5	47	3	1
	5	Int.	★	0064LB	8	12	47	3	3
	12	Int.	★	0064XB	16	20	47	3	3
0.65	1	Int.	●	0065SB	3.1	7.5	47	3	1
	5	Int.	★	0065LB	8	12	47	3	3
	12	Int.	★	0065XB	16	20	47	3	3

(Note) Please contact us for any geometry that is not in this catalogue (e.g. different diameter and length).

● : Inventory maintained. ★ : Inventory maintained in Japan.