

DRILLING (SOLID CARBIDE)

CARBIDE

MAE, MAS

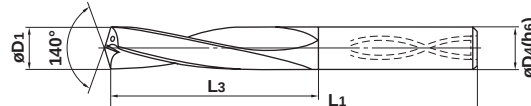
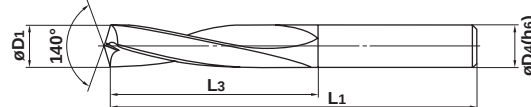
- Specialized for aluminium and cast iron drilling.
- High hole accuracy.
- Pre-hole drilling for roll taps.
- Helical through coolant holes enable high speed machining (MAS type).

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

MAE (External coolant)**MAS** (Internal coolant)(Note 1) MAS type bigger than $\phi 5.0$ have a recess in the end face.

(Note 2) MAE/MAS drills are suitable for use with shrink fit holders.

$D_1=3$	$3<D_1\leq 6$	$6<D_1\leq 10$	$10<D_1\leq 16$
+0.005 0	+0.005 0	+0.005 0	+0.005 0
0 -0.006	0 -0.008	0 -0.009	0 -0.011



Drill Dia. D_1 (mm)	Hole Depth (l/d)	Coolant (Int./Ext.)	Stock HT10	Order Number	Dimensions (mm)		
					L3	L1	D4
3.0	3	Ext.	★	MAE0300MB	21	61	3
	3	Int.	□	MAS0300MB	21	61	3
	6	Int.	●	MAS0300LB	30	70	3
3.1	3	Ext.	★	MAE0310MB	24	64	4
	3	Int.	□	MAS0310MB	24	64	4
	6	Int.	★	MAS0310LB	34	74	4
3.2	3	Ext.	★	MAE0320MB	24	64	4
	3	Int.	□	MAS0320MB	24	64	4
	6	Int.	★	MAS0320LB	34	74	4
3.3	3	Ext.	★	MAE0330MB	24	64	4
	3	Int.	□	MAS0330MB	24	64	4
	6	Int.	●	MAS0330LB	34	74	4
3.4	3	Ext.	★	MAE0340MB	24	64	4
	3	Int.	□	MAS0340MB	24	64	4
	6	Int.	★	MAS0340LB	34	74	4
3.5	3	Ext.	★	MAE0350MB	24	64	4
	3	Int.	□	MAS0350MB	24	64	4
	6	Int.	●	MAS0350LB	34	74	4
3.6	3	Ext.	★	MAE0360MB	28	68	4
	3	Int.	□	MAS0360MB	28	68	4
	6	Int.	★	MAS0360LB	40	80	4
3.65	3	Ext.	★	* MAE0365MB	28	68	4
	3	Int.	□	* MAS0365MB	28	68	4
	6	Int.	●	* MAS0365LB	40	80	4
3.7	3	Ext.	★	MAE0370MB	28	68	4
	3	Int.	□	MAS0370MB	28	68	4
	6	Int.	★	MAS0370LB	40	80	4
3.8	3	Ext.	★	MAE0380MB	28	68	4
	3	Int.	□	MAS0380MB	28	68	4
	6	Int.	★	MAS0380LB	40	80	4
3.9	3	Ext.	★	MAE0390MB	28	68	4
	3	Int.	□	MAS0390MB	28	68	4
	6	Int.	★	MAS0390LB	40	80	4
4.0	3	Ext.	★	MAE0400MB	28	68	4
	3	Int.	□	MAS0400MB	28	68	4
	6	Int.	●	MAS0400LB	40	80	4
4.1	3	Ext.	★	MAE0410MB	31	71	5
	3	Int.	□	MAS0410MB	31	71	5
	6	Int.	★	MAS0410LB	44	84	5

Drill Dia. D_1 (mm)	Hole Depth (l/d)	Coolant (Int./Ext.)	Stock HT10	Order Number	Dimensions (mm)		
					L3	L1	D4
4.2	3	Ext.	★	MAE0420MB	31	71	5
	3	Int.	□	MAS0420MB	31	71	5
	6	Int.	●	MAS0420LB	44	84	5
4.3	3	Ext.	★	MAE0430MB	31	71	5
	3	Int.	□	MAS0430MB	31	71	5
	6	Int.	★	MAS0430LB	44	84	5
4.4	3	Ext.	★	MAE0440MB	31	71	5
	3	Int.	□	MAS0440MB	31	71	5
	6	Int.	★	MAS0440LB	44	84	5
4.5	3	Ext.	★	MAE0450MB	31	71	5
	3	Int.	□	MAS0450MB	31	71	5
	6	Int.	★	MAS0450LB	44	84	5
4.6	3	Ext.	★	* MAE0460MB	33	73	5
	3	Int.	□	* MAS0460MB	33	73	5
	6	Int.	●	* MAS0460LB	48	88	5
4.7	3	Ext.	★	MAE0470MB	33	73	5
	3	Int.	□	MAS0470MB	33	73	5
	6	Int.	★	MAS0470LB	48	88	5
4.8	3	Ext.	★	MAE0480MB	33	73	5
	3	Int.	□	MAS0480MB	33	73	5
	6	Int.	★	MAS0480LB	48	88	5
4.9	3	Ext.	★	MAE0490MB	33	73	5
	3	Int.	□	MAS0490MB	33	73	5
	6	Int.	★	MAS0490LB	48	88	5
5.0	3	Ext.	★	MAE0500MB	33	73	5
	3	Int.	●	MAS0500MB	33	73	5
	6	Int.	●	MAS0500LB	48	88	5
5.1	3	Ext.	★	MAE0510MB	36	76	6
	3	Int.	□	MAS0510MB	36	76	6
	6	Int.	★	MAS0510LB	52	92	6
5.2	3	Ext.	★	MAE0520MB	36	76	6
	3	Int.	□	MAS0520MB	36	76	6
	6	Int.	●	MAS0520LB	52	92	6
5.3	3	Ext.	★	MAE0530MB	36	76	6
	3	Int.	□	MAS0530MB	36	76	6
	6	Int.	★	MAS0530LB	52	92	6
5.4	3	Ext.	★	MAE0540MB	36	76	6
	3	Int.	□	MAS0540MB	36	76	6
	6	Int.	★	MAS0540LB	52	92	6

* : Standard hole size for rolled thread taps.

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

□ : Non stock, produced to order only.