

**Thread Type is also available!**  
**(Wet type) Mist Diamond Drill Bit (Thread Type)**



**Mist Diamond Drill Bit (Thread Type)**

**Size Table**

Dia		Cutter Part No.	Body Max.drilling depth	
mm	Inch		50mm (2") Part No.	100mm (4") Part No.
5.0	3/16"	DM050C	DM05050B	DM050B
6.0	15/64"	DM060C		
6.5	1/4"	DM065C	DM06050B	DM060B
8.0	5/16"	DM080C		
8.5	21/64"	DM085C		
9.0	23/64"	DM090C	DM08550B	DM085B
10.0	3/8"	DM100C		
10.5	13/32"	DM105C	DM10550B	DM105B
12.0	15/32"	DM120C		
12.5	1/2"	DM125C	DM12550B	DM125B
14.5	9/16"	DM145C	DM14550B	DM145B
16.0	5/8"	DM160C		DM160B
18.0	45/64"	DM180C		DM180B
19.0	3/4"	DM190C		DM190B
20.0	25/32"	DM200C		DM200B
22.0	7/8"	DM220C		DM220B
23.0	29/32"	DM230C		DM230B
24.0	15/16"	DM240C		DM240B

**Shank Assembly (Thread Type)**

NO.	Part No.	For
NO.1	DMSK1P	For 5.0 - 12.5mm (3/16" - 1/2") Shank size 6.5mm (1/4")
NO.2	DMSK2P	For 14.0 - 24.0mm (9/16" - 15/16") Shank size 10mm(3/8")

**Set**

Dia		Body Max.drilling depth 50mm (2") Part No.	Body Max.drilling depth 100mm (4") Part No.
mm	Inch		
5.0	3/16"	DM05050BST	DM050BST
6.0	15/64"	DM06050BST	DM060BST
6.5	1/4"	DM06550BST	DM065BST
8.0	5/16"	DM08050BST	DM080BST
8.5	21/64"	DM08550BST	DM085BST
9.0	23/64"	DM09050BST	DM090BST
10.0	3/8"	DM10050BST	DM100BST
10.5	13/32"	DM10550BST	DM105BST
12.0	15/32"	DM12050BST	DM120BST
12.5	1/2"	DM12550BST	DM125BST
14.5	9/16"	DM14550BST	DM145BST
16.0	5/8"		DM160BST
18.0	45/64"		DM180BST
19.0	3/4"		DM190BST
20.0	25/32"		DM200BST
22.0	7/8"		DM220BST
23.0	29/32"		DM230BST
24.0	15/16"		DM240BST

\*Cutters are interchangeable with in Quick-Change Body and Thread Type Body.

\*Max. drilling depth: 19.0-20.0mm (3/4" - 25/32") → 130mm (5-1/8")  
 22.0-24.0mm (15/16" - 7/8") → 200mm (7-7/8")

**Option**

**Water Bottle Swivel Set (Hands-Free Type)**  
 Water swivel with regular water bottle.

**Water Bottle Swivel Set [PBSSH] (Hands-Free Type)**

\*Water swivel with regular water bottle.

**Hands-Free Kit [PBHKIT]**

\*For customer who already uses conventional Water Bottle Swivel Set.

**Dust Collecting Pad S [SJPS]**

For removing dust and water (please use with Wet/Dry Vacuum Cleaner) Also can be used as positioning guide.

**Diamond Dressing Plate [DDP]**

When the diamond segment is clogged or burned, drill a few time into the dressing plate.

L75mm (2-600/64") x W150mm (5-57/64") x H40mm (1-36/64")

**Hands-Free Belt Clip [PBHBC]**

Just hang the water bottle onto your belt.

**Simple Water Supply kit. [DME]**

For supplying water to Mist Diamond or Wet Diamond Core Bit.

The electric drill or drill bits are not included.

**Positioning Guide [ITPG]**

For Positioning Mist Diamond Drill Bit

**Slug-Ejector [DMPE1]**

To remove slug in the body.



**(Wet type) Mist Diamond Drill Bit (Quick-Change Type)**

**Suitable for drilling small diameter holes to concrete, stone and ceramic tile!**

**Five Characteristics**

- 1 Drill with rotation only!
- 2 Less noise and minimum vibration!
- 3 Improved drilling efficiency!
- 4 Easy quick change system!
- 5 Uses less water. (Auto shut off feature.)



**Specifications**

- Diameter: 5-24mm (3/16" - 15/16")
- Overall length & shank size: Please refer the size table
- Recommended RPM: 1,500 - 15,000rpm (make sure to use with double insulated machine in rotary mode only)

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# (Wet type) Mist Diamond Drill Bit (Quick-Change Type)



## Characteristic 1 Drilling with rotary action only!

Drills through concrete, ceramic tile, Porcelain Tile and stone in rotation only.

- No duct clog into cracks.
- Minimum spalling on the back side.

### Comparison of residual dust around the crack



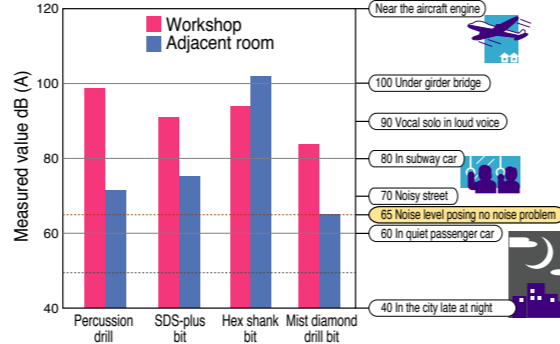
The breakaway of surface is minimized on the backside due to drilling in the rotary mode resulting in excellent resin injection.

### Recommendable Rotation Rate and Power Consumption

Dia	Rotation Rate	Power Consumption
5.0 - 10.5mm (3/16" - 13/32")	15000 - 3000	Over 250W
11.0 - 24.0mm (27/64" - 15/16")	7000 - 1500	Over 500W

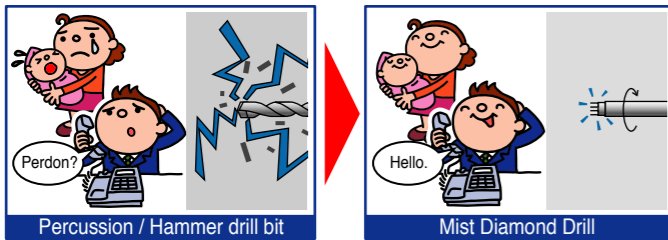
### Noise level comparison

\*The measurement results are a few examples and may differ depending on environment and drilling conditions.



## Characteristic 2

### Minimum vibration and noise by drilling in rotary mode!

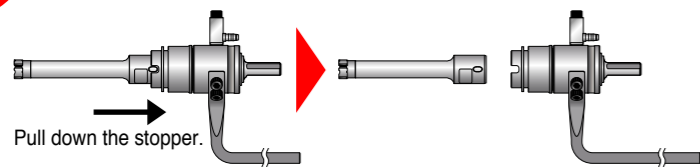


## Characteristic 3 Improved drilling efficiency!

Wet drilling cools the diamond tip and helps remove dust and creates efficient drilling.

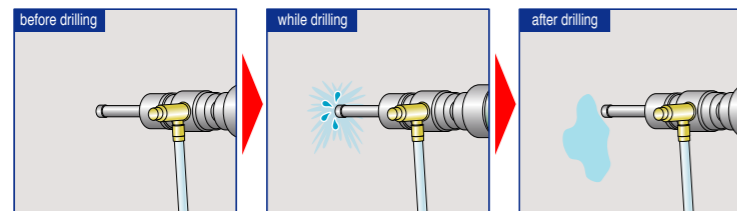


## Characteristic 4 Quick changeable bodies!



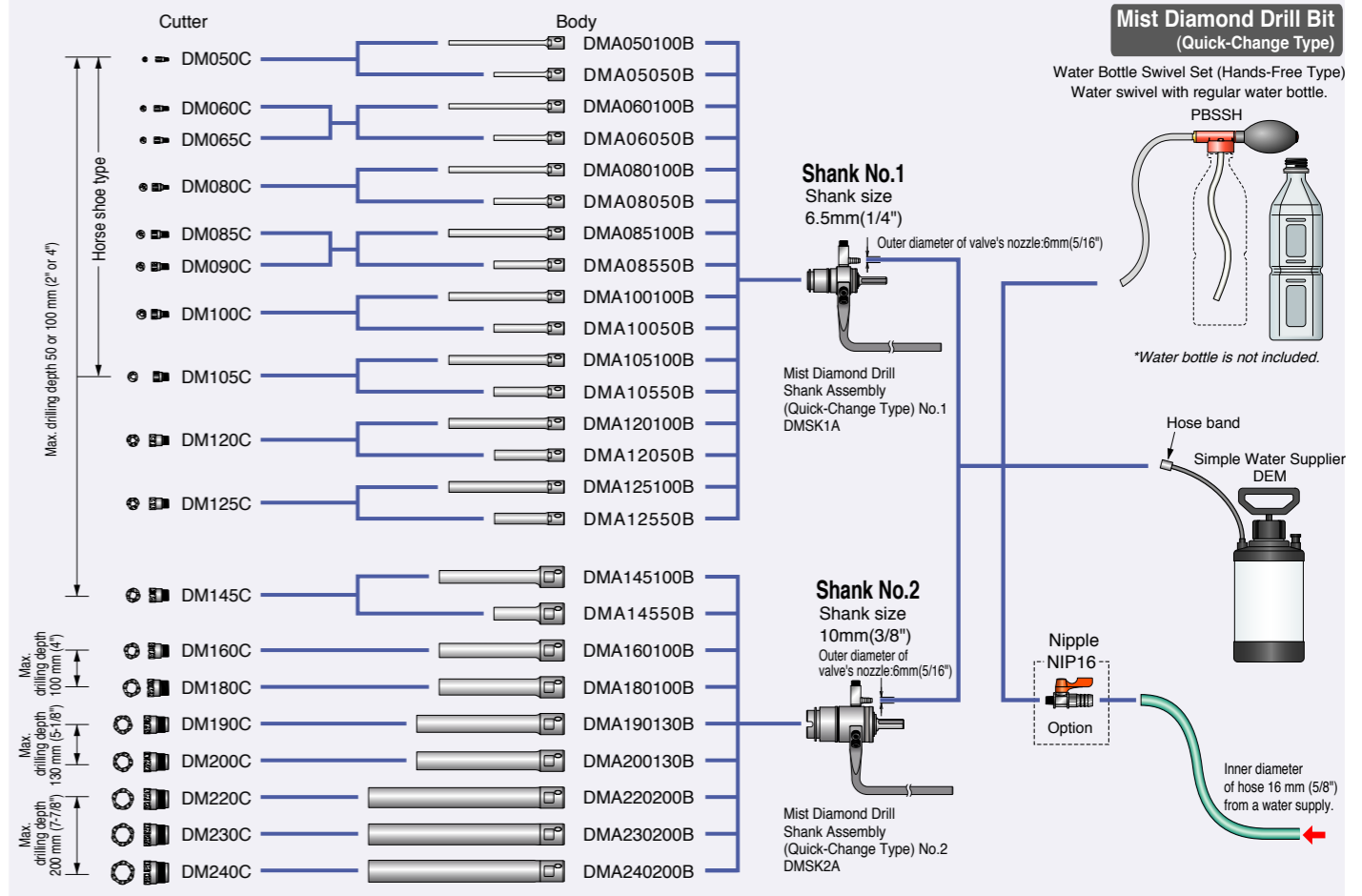
## Characteristic 5 Prevents water leakage.(Auto shut off feature)!

By automatic valve mechanism, water is fed to the cutting teeth only while drilling.



## Combination of the Mist Diamond Drill cutter, body and shank

For stone, concrete, and artificial marble



## Mist Diamond Drill Bit (Quick-Change Type)

### Size Table

Dia	Cutter	Body Max.drilling depth	
		50mm (2")	100mm (4")
5.0	DM050C	DMA05050B	DMA050100B
6.0	DM060C	DMA06050B	DMA060100B
6.5	DM065C		
8.0	DM080C	DMA08050B	DMA080100B
8.5	DM085C	DMA08550B	DMA085100B
9.0	DM090C		
10.0	DM100C	DMA10050B	DMA100100B
10.5	DM105C	DMA10550B	DMA105100B
12.0	DM120C	DMA12050B	DMA120100B
12.5	DM125C	DMA12550B	DMA125100B
14.5	DM145C	DMA14550B	DMA145100B
16.0	DM160C		DMA160100B
18.0	DM180C		DMA180100B
19.0	DM190C		DMA190130B
20.0	DM200C		DMA200130B
22.0	DM220C		DMA220200B
23.0	DM230C		DMA230200B
24.0	DM240C		DMA240200B

\*Cutters are interchangeable with in Quick-Change Body and Thread Type Body.

## Shank Assembly (Quick-Change Type)

Part No.	用途
NO.1 DMSK1A	For 5.0 - 12.5mm (3/16" - 1/2") Shank size 6.5mm (1/4")
NO.2 DMSK2A	For 14.0 - 24.0mm (9/16" - 15/16") Shank size 10mm (3/8")

### Set

Dia	Body Max.drilling depth 50mm (2")		Body Max.drilling depth 100mm (4")	
	mm	Inch	Part No.	Part No.
5.0	3/16"		DMA05050BST	DMA050BST
6.0	15/64"		DMA06050BST	DMA060BST
6.5	1/4"		DMA06550BST	DMA065BST
8.0	5/16"		DMA08050BST	DMA080BST
8.5	21/64"		DMA08550BST	DMA085BST
9.0	23/64"		DMA09050BST	DMA090BST
10.0	3/8"		DMA10050BST	DMA100BST
10.5	13/32"		DMA10550BST	DMA105BST
12.0	15/32"		DMA12050BST	DMA120BST
12.5	1/2"		DMA12550BST	DMA125BST
14.5	9/16"		DMA14550BST	DMA145BST
16.0	5/8"			DMA160BST
18.0	45/64"			DMA180BST
19.0	3/4"			DMA190BST
20.0	25/32"			DMA200BST
22.0	7/8"			DMA220BST
23.0	29/32"			DMA230BST
24.0	15/16"			DMA240BST

\*Max. drilling depth: 19.0-20.0mm (3/4" - 25/32") → 130mm (5-1/8")  
22.0-24.0mm (15/16" - 7/8") → 200mm (7-7/8")