**DH 45ME** FHB







# **Optional Accessories**\*1

Drilling work for through-hole drilling (rotation + hammering) Drill Bit (SDS max shank)

$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		L	
$\begin{array}{c ccccc} 340 & (13-3/8") & 313448 \\ \hline 540 & (21-1/4") & 313456 \\ \hline 9 & (3/4") & 540 & (21-1/4") & 313456 \\ \hline 19 & (3/4") & 540 & (21-1/4") & 313457 \\ \hline 22 & (7/8") & 320 & (12-5/8") & 313450 \\ \hline 520 & (20-15/32") & 313450 \\ \hline 520 & (20-15/32") & 313451 \\ \hline 520 & (20-15/32") & 313459 \\ \hline 370 & (14-9/16") & 313452 \\ \hline 570 & (22-7/16") & 313453 \\ \hline 570 & (22-7/16") & 313461 \\ \hline \end{array}$	D	i çi çi çi çi çi	
$\begin{array}{c c} 16 \left(5/8^{"}\right) & \hline 540 \left(21 - 1/4''\right) & 313456 \\ \hline 540 \left(21 - 1/4''\right) & 313456 \\ 19 \left(3/4''\right) & 540 \left(21 - 1/4''\right) & 313457 \\ 22 \left(7/8''\right) & \hline 320 \left(12 - 5/8''\right) & 313450 \\ \hline 520 \left(20 - 15/32''\right) & 313450 \\ \hline 520 \left(20 - 15/32''\right) & 313451 \\ \hline 520 \left(20 - 15/32''\right) & 313459 \\ \hline 370 \left(14 - 9/16''\right) & 313452 \\ \hline 570 \left(22 - 7/16''\right) & 313460 \\ \hline 32 \left(1 - 1/4''\right) & \hline 370 \left(14 - 9/16''\right) & 313453 \\ \hline 570 \left(22 - 7/16''\right) & 313461 \\ \hline \end{array}$	D (mm)	L (mm)	Code No.
$\begin{array}{r c c c c c c c c c c c c c c c c c c c$	10 (5 (0))	340 (13-3/8")	313448
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	16 (5/8 )	540 (21 - 1/4")	313456
340 (21 - 1/4 ) 313437   22 (7/8") 320 (12 - 5/8") 313450   520 (20 - 15/32") 313458   25 (1") 320 (12 - 5/8") 313451   520 (20 - 15/32") 313459   28 (1-1/8") 370 (14 - 9/16") 313452   320 (12 - 7/16") 313459   320 (12 - 5/8") 313459   370 (14 - 9/16") 313452   570 (22 - 7/16") 313453   570 (22 - 7/16") 313453	10 (0 (41))	340 (13-3/8")	313449
22 (7/8") 520 (20 - 15/32") 313458   25 (1") 320 (12 - 5/8") 313451   25 (1") 520 (20 - 15/32") 313459   28 (1-1/8") 370 (14 - 9/16") 313452   370 (14 - 9/16") 313450   320 (12 - 7/16") 313453   570 (22 - 7/16") 313453   570 (22 - 7/16") 313453   570 (22 - 7/16") 313461	19 (3/4")	540 (21 - 1/4")	313457
520 (20 - 15/32") 313458   25 (1") 320 (12 - 5/8") 313451   520 (20 - 15/32") 313459   28 (1-1/8") 370 (14 - 9/16") 313452   570 (22 - 7/16") 313460   32 (1-1/4") 370 (14 - 9/16") 313453   570 (22 - 7/16") 313461	00 (7(0))	320 (12 - 5/8")	313450
25 (1") 520 (20 - 15/32") 313459   28 (1-1/8") 370 (14 - 9/16") 313452   570 (22 - 7/16") 313460   32 (1-1/4") 370 (14 - 9/16") 313453   570 (22 - 7/16") 313453   570 (22 - 7/16") 313461	22 (7/8")	520 (20 - 15/32")	313458
313439 313439   28 (1-1/8") 370 (14 - 9/16") 313452   570 (22 - 7/16") 313460   32 (1-1/4") 370 (14 - 9/16") 313453   570 (22 - 7/16") 313451	05 (12)	320 (12 - 5/8")	313451
28 (1-1/8") 570 (22 - 7/16") 313460   32 (1-1/4") 370 (14 - 9/16") 313453   570 (22 - 7/16") 313461	25(1)	520 (20 - 15/32")	313459
570 (22 - //16°) 313460   32 (1-1/4") 370 (14 - 9/16") 313453   570 (22 - 7/16") 313461	00 (1 1 (0!!))	370 (14-9/16")	313452
32 (1-1/4") 570 (22-7/16") <b>313461</b>	28 (1-1/8 )	570 (22 - 7/16")	313460
5/0 (22 - 7/16") <b>313461</b>	00 (1 1 (42))	370 (14-9/16")	313453
270 (14 0/16") 212454	32 (1-1/4)	570 (22 - 7/16")	313461
370 (14-9/10) 313434	20 (1 1/0")	370 (14-9/16")	313454
570 (22 - 7/16") <b>313462</b>	38 (1-1/2")	570 (22 - 7/16")	313462
40 (1. 27(64") 370 (14-9/16") <b>313455</b>	40 (1.07/64")	370 (14 - 9/16")	313455
40 (1-37/64 ) 570 (22 - 7/16") <b>313463</b>	40 (1-37/64")	570 (22 - 7/16")	313463

# Drilling work for anchor holes (rotation + hammering)

Drill Bit (taper shank)

D] (1) D	rill Bit (taper sha		· Shank Adapte max shank)
	D (mm)	L (mm)	Code No.
	11.0 (7/16")	100 (4")	944460
	12.3 (1/2")	110 (4 - 5/16")	944461
(1)	14.3 (9/16")	110 (4 - 5/16")	944462
	14.5 (9/16")	110 (4 - 5/16")	944500
	17.5 (11/16")	120 (4 - 3/4")	944463

(2)		Taper dimension	Code No.
(4)	1	Norse taper No. 1	313464
(3) C	otter 🦳	•	Code No. 944477

SDS-plus Shank Bit Adapter (SDS max shank)



# Hole drilling

Distributed by:

	k Adapter max shank)
Name	Code No.
13mm Drill Chuck (13VLD-D) with Chuck Wrench	321813
Chuck Adapter	313468

Model				DH45ME	DH45MEY	DH52ME	DH52MEY
Capacity		Drill	bit	45mm	(1-3/4")	52mm (	2-1/16")
		Core	bit	125mm (4-29/32")		160mm (6-1/4")	
Power Input			1,500W				
Bit Shank					SDS	max	
No Load Speed		110V	, 120V, 127V	120 - 270/min		110 - 260/min	
		220V	, 230V, 240V	120 - 310/min		110 - 280/min	
Pata		110V	, 120V, 127V	1200 - 2	,500/min	1,000 - 2	2,200/min
		220V	, 230V, 240V	1200 - 2,950/min		1,000 - 2,400/min	
Overall Length		535mm (	(21-1/16")	585mm (	23-1/32")		
Weight (including side-handle)		9.0kg (19.8lbs.)	9.5kg (20.9lbs.)	11.0kg (24.2lbs.)	11.5kg (25.3lbs.)		
	Hamm drilling		Vibration emission value:ah,HD	13.5m/s <sup>2</sup>	8.8m/s <sup>2</sup>	14.0m/s <sup>2</sup>	9.8m/s <sup>2</sup>
Vibration Total Values		·	Uncertainty K	1.5m/s <sup>2</sup>			
(triax vector sum)* Equ	Equiva		Vibration emission value: ah,CHeq	14.2m/s <sup>2</sup>	9.2m/s <sup>2</sup>	15.5m/s <sup>2</sup>	9.7m/s <sup>2</sup>
chiseling		ng	Uncertainty K	1.5m/s <sup>2</sup>			
Standard Accessories			Side Handle	e, Stopper, Hamr	ner Grease A, Ca	arrying Case	

Boring work for large-diameter holes

(rotation + hammering)				
D (1) Core Bit	Guide F	Plate		
(1) Core Bit				
D (mm)	Guide Plate	Code No.		
25 (1")	-	955994		
29 (1-1/8")	_	955995		
32 (1-1/4")		955996		
35 (1-3/8")		955998		
38 (1-1/2")		956000		
45 (1-3/4")	•	955154		
54 (2-1/8")		955155		
64 (2-1/2")		956002		
79 (3-1/8")		955157		
94 (3-11/16")		956004		
105 (4-1/8")	•	955159		
120 (4-3/4")		956006		
125 (4-29/32")	•	987013		
150 (6") *2		956728		

25 (4-29/32")		987013
50 (6") *2		956728
	L .	
(2) Ce	nter Pin	

D (mana)	L (mana)	Code No.
D (mm)	L (mm)	00000.000
32 (1-1/4")-38 (1-1/2") 14	47 (5-25/32")	956009
45 (1-3/4")-150 (6") 13	33 (5-1/4")	955165

	re Bit Shank max shank)	
(1) Core Bit	(3) Core Bit Shank	Code No.
D (mm)	L (mm)	Code No.
25(1") - 35(1-3/8")	300 (11 - 13/16")	313466
38(1-1/2") -150 (6")	300 (11 - 13/16")	313467

# Chemical anchor holes drilling work (rotation + hammering)

Chemical Anchor Adapter

(SDS max shank)	
Socket Square Size (mm)	Code N
12.7 (1/2")	31346
19.0 (3/4")	31347

# Demolishing work (hammering) Bull Point (SDS max shank)

L (mm)	Code No.
280 (11")	313471
400 (15-3/4")	313472

### Groove digging and edging (hammering) Cold Chisel (SDS max shank) L Code No. L (mm) 280 (11" 313473 400 (15-3/4" 313474

Cutting and stripping (cutting asphalt etc.) (hammering) Cutter (SDS max shank

## wTim W (mm) Code No. L (mm)

### 400 (15-3/4") 50 (2") 313475 Scooping work (hammering)

Scoop (SDS max shank)



# Tamping work (hammering)



313479

# 220 (8-21/32" Surface roughing work (hammering)

	(1) Rivebing Taol			
	(1) B	ushing Tool	(2) Shank (SD	S max shank)
	(4)		Code No.	
	(1)		313477	
_		/r	mm)	Cada Na

# (2)220 (8-21/32") 313479

# Grease



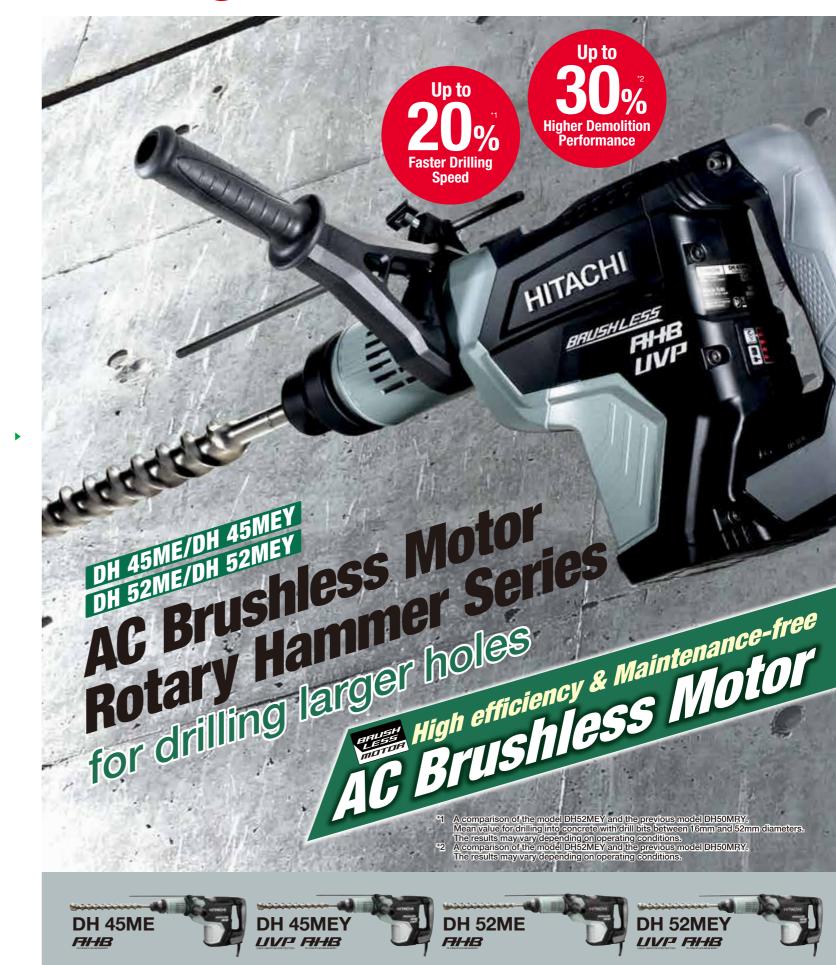
- \*1 Optional accessories may vary by country or area.
- \*2 Only for DH 52ME / DH 52MEY.

# OHitachi Koki Co., Ltd.

www.hitachi-koki.com

# **Hitachi Rotary Hammers** DH 45ME DH 45MEY DH 52ME DH 52MEY

















# AC Brusheshanes Aceries Brusheshanes Aceries Aceries the high efficiency brushless motor and the optimized hammering mechanism The high efficiency brushless motor and the optimized hammering mechanism The high efficiency drilling speed\*I The high ef **DH 52ME** DH 52ME

# **AC** Brushless Motor **Maintenance-free**

**Significantly extended** product life cvcle No more troubles with armature burnout, layer short or commutator we

No carbon brush replacement required



# Fastest drilling speed and highest demolition performance in its class even at voltage drop -

The efficient brushless motor offers higher drilling performance even with an extension cord used.

# Compatible with . engine generators

Designed to be powered by engine generators as well, thanks to Hitachi's original compact and high efficiency inverter circuit.

# **DH 45ME DH45MEY**

**Faster Drilling** 

Up to

igher Demoliti Performance

in its class

drilling speed\*1 and the highest

demolition performance\*1

in its class.

# High durabil

The internal double-insulation construction with a very sturdy aluminium die-cast body and a plastic internal stator holder makes the housing more rigid, significantly enhancing durability of the motor unit.

# **3**(1)Push-button, constant speed control with variable speed Due to the built-in electronic control circuit that can adjust the impact rate according to applica-

tions, four-step impact rates can be selected by 0 the rotation speed selector switch.

Display Lamp					Ŧ	7
No Load Speed	DH 45ME DH 45MEY	110V 120V 127V	120/min	170/min	220/min	270/mir
		220V 230V 240V	120/min	180/min	240/min	310/mir
	DH 52ME DH 52MEY	110V 120V 127V	110/min	160/min	210/min	260/mir
		220V 230V 240V	110/min	160/min	220/min	280/mir
Full Load Impact Rate	DH 45ME DH 45MEY	110V 120V 127V	1,200/min	1,600/min	2,100/min	2,500/mir
		220V 230V 240V	1,200/min	1,700/min	2,300/min	2,950/mir
	DH 52ME DH 52MEY	110V 120V 127V	1,000/min	1,400/min	1,800/min	2,200/mir
		220V 230V 240V	1,000/min	1,400/min	1,900/min	2,400/mir

# <sup>(2)</sup>Power Lamp ights up when the plug is inserted into an outlet

1 IIII

ACHI







Fastest\*

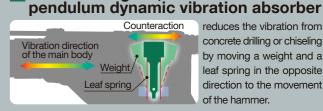




# and improved operating efficiency

# **1** Hitachi's original,

Reduced vibration



reduces the vibration from concrete drilling or chiseling by moving a weight and a af spring in the opposite direction to the movement

# 2 Vibration-absorbing handle

HITACHI

provides high vibration-absorbing effect by employing both transatory and hinge units.

# 4 One push action for quick bit mounting



A bit can be mounted by simply inserting it into the tool holder.

# **5** Large change lever



An up-sized mode change lever is located on the top of the tool body for asier handling

# 6 Large trigger switch



Upsized, easy-togrip trigger switch for more control.

# **7**Continuous operation function ilable for the Hammering Mode)



keeps the tools running even after the trigger switch is released, making chiseling easier.

\*1 As of March 2015. Among 45/52mm class rotary hammers made by leading power tool manufacturers, surveyed by Hitachi Koki. \*2 A comparison of the model DH 52MEY and the previous model DH 50MRY. Mean value for drilling into concrete with drill bits between 16mm and 52mm diameters The results may vary depending on operating conditions. \*3 A comparison of the model DH 52MEY and the previous model DH 50MRY The results may vary depending on operating conditions.