Specifications

Model		DS 14DBL2	DS 18DBL2	DV 14DBL2	DV 18DBL2
Drill Chuck		1.5 - 13mm (1/16 - 1/2") Keyless			
Capacity	Brick	-		14mm (9/16")	16mm (5/8")
	Mild Steel	13mm (1/2")			
	Soft Wood	65mm (2-9/16")	76mm (3")	65mm (2-9/16")	76mm (3")
	Wood Screw	8 x 100mm (#20 x 4")	10 x 90mm (#24 x 3-1/2")	8 x 100mm (#20 x 4")	10 x 90mm (#24 x 3-1/2")
	Machine Screw	6mm (1/4")			
Battery	Voltage	14.4V	18V	14.4V	18V
	Power Output*1	87Wh for BSL1460 (6.0Ah) 72Wh for BSL1450 (5.0Ah) 44Wh for BSL1430 (3.0Ah)	108Wh for BSL1860 (6.0Ah) 90Wh for BSL1850 (5.0Ah) 54Wh for BSL1830 (3.0Ah) 45Wh for BSL1825 (2.5Ah)	87Wh for BSL1460 (6.0Ah) 72Wh for BSL1450 (5.0Ah) 44Wh for BSL1430 (3.0Ah)	108Wh for BSL1860 (6.0Ah) 90Wh for BSL1850 (5.0Ah) 54Wh for BSL1830 (3.0Ah) 45Wh for BSL1825 (2.5Ah)
No Load Speed	High	0 - 1,800/min.	0 - 2,100/min.	0 - 1,800/min	0 - 2,100/min
	Low	0 - 400/min.	0 - 500/min.	0 - 400/min	0 - 500/min
Impact Rate		-		0 - 27,000/min	0 - 31,500/min
Max Torque Hard		110Nm (975in.-lbs.)*2	136Nm (1,205in.-lbs.)*3	110Nm (975in.-lbs.)*2	136Nm (1,205in.-lbs.)*3
Max Torque Soft		40Nm (354in.-lbs.)*2	62Nm (549in.-lbs.)*3	40Nm (354in.-lbs.)*2	62Nm (549in.-lbs.)*3
Torque Setting		2 - 8Nm (18 - 71in.-lbs.)			
Overall Length		204mm (8-1/32")			
Weight*4		2.3kg (5.1lbs.) with BSL1460/ BSL1450/BSL1430	2.5kg (5.5lbs.) with BSL1860/ BSL1850/BSL1830 2.3kg (5.1lbs.) with BSL1825	2.3kg (5.1lbs.) with BSL1460/ BSL1450/BSL1430	2.5kg (5.5lbs.) with BSL1860/ BSL1850/BSL1830 2.3kg (5.1lbs.) with BSL1825
Vibration Total Values (triax vector sum)*5	Drilling into Metal	Vibration Emission Value ah, D < 2.5m/s² Uncertainty K = 1.5m/s²		-	
	Impact Drilling into Concrete	-		Vibration Emission Value ah, ID = 7.8m/s² Uncertainty K = 1.5m/s²	Vibration Emission Value ah, ID = 11.7m/s² Uncertainty K = 1.5m/s²
Standard Accessories		2 Batteries (BSL1460, BSL1450 or BSL1430), Charger (UC18YFSL or UC18YSL3), Side Handle, Driver Bit, Battery Cover, Carrying Case	2 Batteries (BSL1860, BSL1850, BSL1830 or BSL1825), Charger (UC18YFSL or UC18YSL3), Side Handle, Driver Bit, Battery Cover, Carrying Case	2 Batteries (BSL1460, BSL1450 or BSL1430), Charger (UC18YFSL or UC18YSL3), Side Handle, Driver Bit, Battery Cover, Carrying Case	2 Batteries (BSL1860, BSL1850, BSL1830 or BSL1825), Charger (UC18YFSL or UC18YSL3), Side Handle, Driver Bit, Battery Cover, Carrying Case

*1. The figures of battery power output are nominal values. *2.With the BSL1460/BSL1450 battery. *3.With the BSL1860/BSL1850 battery.
*4. According to EPTA-Procedure 01/2003. *5. The tri-axial vibration values were measured according to EN60745-2-1.

⚠ WARNING
REGARDING LITHIUM-ION BATTERY TRANSPORTATION

Notify the transporting company that a package contains a lithium-ion battery, inform the company of its power output and follow the instructions of the transportation company when arranging transport.

- Lithium-ion batteries that exceed a power output of 100Wh are considered to be in the freight classification of Dangerous Goods and will require special application procedures.
- For transportation abroad, you must comply with international law and the rules and regulations of the destination country.

Charging Time (Approx.)

Battery			Charger	
Voltage	Type	Capacity	UC18YFSL	UC18YSL3
14.4V	BSL1430	3.0Ah	45min	20min
14.4V	BSL1450	5.0Ah	75min	32min
14.4V	BSL1460	6.0Ah	90min	38min
18V	BSL1825	2.5Ah	35min	25min
18V	BSL1830	3.0Ah	45min	20min
18V	BSL1850	5.0Ah	75min	32min
18V	BSL1860	6.0Ah	90min	38min

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HITACHI
Inspire the Next

Cordless Driver Drills
18V 6.0Ah/5.0Ah/3.0Ah/2.5Ah DS 18DBL2 14.4V 6.0Ah/5.0Ah/3.0Ah DS 14DBL2

Cordless Impact Driver Drills
18V 6.0Ah/5.0Ah/3.0Ah/2.5Ah DV 18DBL2 14.4V 6.0Ah/5.0Ah/3.0Ah DV 14DBL2

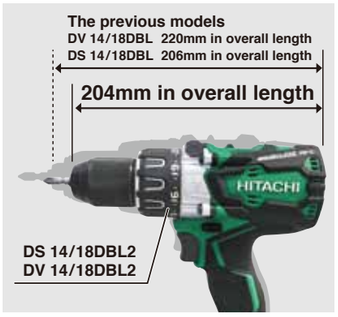
*1 As of December 2015. Among 14.4V/18V cordless driver drills and cordless impact driver drills made by leading power tool manufactures (surveyed by Hitachi Koki).
*2 With the BSL1860/BSL1850 battery. *3 With the BSL1460/BSL1450 battery.

Improved handling

Double-molded, large clutch dial

The clutch dial is clearly readable even when it's worn out. It's also easy to grip for better handling.

Compact at 204mm



Greater control for high torque applications

Reactive Force Control

When the tool bit is suddenly overburdened during operation, a tool's built-in control stops the motor to lessen the twisting of the operator's arms.

RFC REACTIVE FORCE CONTROL

Caution Depending on operating conditions, Reactive Force Control may not work or may not provide the specified performance. Make sure that the workpiece is placed and supported properly, and that the main unit is held firmly during operation.

Longer side handle

for more stable operation.

Higher work efficiency

Feedback speed control reduces torque (rpm) fluctuation in a low speed range and ensures stable operation. This makes follow-up tightening and drill positioning easier.

(Continuous work within a low speed range may cause the temperature of the unit to rise, activating a temperature protection circuit and automatically stopping operation.)

High performance

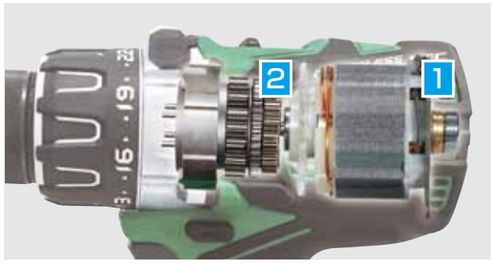
BRUSH LESS Brushless Motor

Most powerful*1 torque in its class
Fastest*1 application speeds in its class

due to

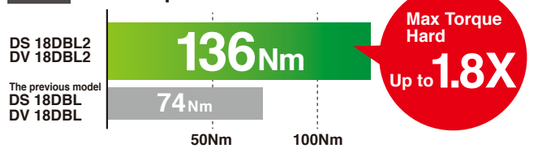
1 Large brushless motor

2 Optimized gear ratio

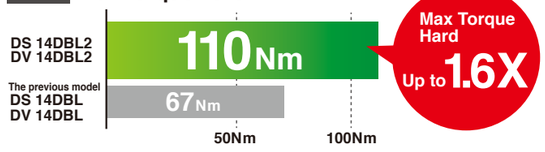


Most powerful*1 torque in its class

18V Max torque hard*2



14.4V Max torque hard*3



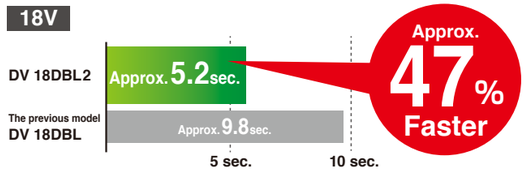
Best in class*1 application speeds*5

◎**Driving wood screws** (Low Mode + Drill Mode)
ϕ8 x 75mm wood screws into American pine (With 6.5mm pilot holes)

18V

◎**Drilling into brick** (High Mode + Impact Mode)
Mortar 30mm in thickness, with a ϕ10 masonry drill bit

18V



Runtime per charge (approx.)*5

◎**Number of screws driven in wood** (Low Mode + Drill Mode)
ϕ8 x 75mm wood screws into American pine (With 6.5mm pilot holes)

DS 14DBL2 / BSL 1460 DV 14DBL2 / BSL 1460 6.0Ah	DS 18DBL2 / BSL 1860 DV 18DBL2 / BSL 1860 6.0Ah
Approx. 360 screws	Approx. 380 screws
DS 14DBL2 / BSL 1450 DV 14DBL2 / BSL 1450 5.0Ah	DS 18DBL2 / BSL 1850 DV 18DBL2 / BSL 1850 5.0Ah
Approx. 300 screws	Approx. 320 screws

◎**Number of holes drilled in brick** (High Mode + Impact Mode)
Mortar 30mm in thickness, with a ϕ10 masonry drill bit

DV 14DBL2 / BSL 1460 6.0Ah	DV 18DBL2 / BSL 1860 6.0Ah
Approx. 185 holes	Approx. 220 holes
DV 14DBL2 / BSL 1450 5.0Ah	DV 18DBL2 / BSL 1850 5.0Ah
Approx. 155 holes	Approx. 185 holes

*1 As of December 2015. Among 14.4V/18V cordless driver drills and cordless impact driver drills made by leading power tool manufactures (surveyed by Hitachi Koki)
*2 With the BSL1860/BSL1850 battery. *3 With the BSL1460/BSL1450 battery.
*4 A comparison between DS18DBL2 and the previous model DS18DBL.
*5 The values are for reference purposes. They vary according to the work material and conditions.