

Specifications

Model		DS18DBSL	DS14DBSL	DV18DBSL
Drill Chuck		1.5 - 13mm (1/16 - 1/2") Keyless		
Capacity	Brick	-		13mm (1/2")
	Mild Steel	13mm (1/2")		
	Soft Wood	50mm (2")	45mm (1-3/4")	50mm (2")
	Wood Screw	8 x 100mm (#20 x 4")	8 x 75mm (#20 x 3")	8 x 100mm (#20 x 4")
Machine Screw		6mm (1/4")		
Battery		18V	14.4V	18V
No Load Speed	High	0 - 1,800/min.	0 - 1,500/min.	0 - 1,800/min.
	Low	0 - 400/min.	0 - 350/min.	0 - 400/min.
Impact Rate	High	-		0 - 27,000/min.
	Low	-		0 - 6,000/min.
Max Torque	Hard	70Nm (620in.-lbs.)	60Nm (530in.-lbs.)	70Nm (620in.-lbs.)
	Soft	40Nm (354in.-lbs.)	35Nm (310in.-lbs.)	40Nm (354in.-lbs.)
Torque Setting		1.0 - 4.5Nm (9 - 40in.-lbs.)		
Overall Length <sup>*1</sup>		175mm (6-7/8")		184mm (7-1/4")
Weight <sup>*2</sup>		1.6kg (3.5lbs.) (with BSL1830C)	1.6kg (3.5lbs.) (with BSL1430C)	1.7kg (3.7lbs.) (with BSL1830C)
Vibration Total Values (triax vector sum) <sup>*3</sup>	Drilling into Metal	Vibration Emission Value ah, ID < 2.5m/s <sup>2</sup> Uncertainty K = 1.5m/s <sup>2</sup>		-
	Impact Drilling into Concrete	-		Vibration Emission Value ah, ID = 7.5m/s <sup>2</sup> Uncertainty K = 1.5m/s <sup>2</sup>
Standard Accessories <sup>*4</sup>		2 Batteries (BSL1850, BSL1830C or BSL1830), Charger (UC18YFSL UC18YSL3 or UC18YKSL)	2 Batteries (BSL1450, BSL1430C or BSL1430) Charger (UC18YFSL or UC18YKSL)	2 Batteries (BSL1850, BSL1830C or BSL1830), Charger (UC18YFSL UC18YSL3 or UC18YKSL)
		Driver Bit, Battery Cover, Carrying Case		

<sup>\*1</sup> The overall length varies by region.  
<sup>\*2</sup> According to EPTA-Procedure 01/2003.  
<sup>\*3</sup> Vibration total values (triax vector sum) were measured according to EN60745-2-1.  
<sup>\*4</sup> The included batteries and charger vary by country or area.

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Cordless Driver Drills

18V 5.0Ah/3.0Ah DS 18DBSL 14.4V 5.0Ah/3.0Ah DS 14DBSL

**HITACHI**  
Inspire the Next

Cordless Impact Driver Drills

18V 5.0Ah/3.0Ah DV 18DBSL

**High Performance** **and Compact Design** **NEW**

Most Powerful\* Torque  
in its class

Max Torque Soft	40 Nm	DS 18DBSL DV 18DBSL	35 Nm	DS 14DBSL
Max Torque Hard	70 Nm	DS 18DBSL DV 18DBSL	60 Nm	DS 14DBSL

Hitachi Original Brushless Motor Technology Offers  
Faster Application Speeds  
and More Compact Design



<sup>\*1</sup> Based on the Max Torque and Max Speed of DS 18DBSL and DV 18DBSL.  
<sup>\*2</sup> According to EPTA-Procedure 01/2003.

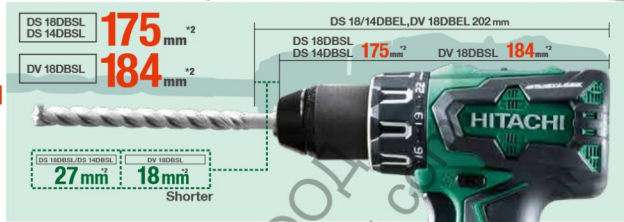
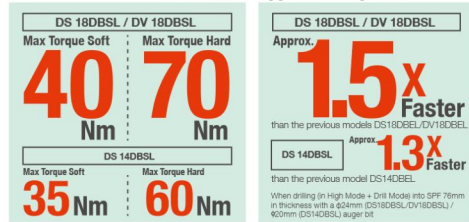
# High Performance and Compact Design

The Large Dia. Brushless Motor and Optimized Gear Ratio Offers...

Most Powerful\*\* Torque  
in its class

Significantly Increased  
Application Speeds

Compact Design  
with a Shorter Overall Length



Great Versatility



Hitachi Original Brushless Motor Technology

**BRUSHLESS**  
Brushless Motor

No wearing parts  
(carbon brushes, commutator, field coil)

Hitachi original compact controller

Long Lifetime, Maintenance-free

Significantly extended product life cycle  
Free from trouble including armature burnout, layer short or commutator wear even in severe work environments.

No carbon brush replacement required

Runtime per Charge (approx.)\*2

Number of screws driven in wood  
(Low Mode + Drill Mode)  
Ø8 x 100mm wood screws into American pine (with 6.5mm pilot holes)



Ø8 x 100mm wood screws into American pine (with 6.5mm pilot holes)  
DS 14DBSL 5.0Ah BSL 1450



Number of holes drilled in brick  
(High Mode + Impact Mode) Murtor 30mm in thickness, with a Ø10 masonry drill bit  
DV 18DBSL 5.0Ah BSL 1850



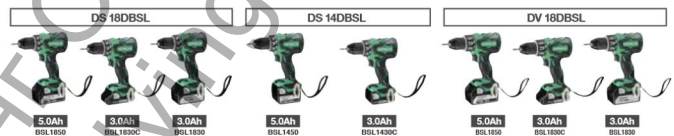
Improved Handling

Double-molded, large clutch dial is clearly readable even when it's worn out. It's also easy to grip for better handling.



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.)



\*1 Except for the Max Torque Hard of the DS18DBSL and DV18DBSL.  
\*2 As of September 2018, among 14.4V/18V cordless driver drills made by leading power tool manufacturers (surveyed by Hitachi Koki).  
\*3 The overall length series is reduced.  
\*4 The values are for reference purposes. They vary according to the work material and conditions.