

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	Voltage	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 ^{*1}		175mm (6-7/8”)		184mm (7-1/4”)
Weight ^{*2}		1.6kg (3.5lbs.) (with BSL1830C)	1.6kg (3.5lbs.) (with BSL1430C)	1.7kg (3.7lbs.) (with BSL1830C)
Vibration Total Values (triax vector sum) ^{*3}	Drilling into Metal	Vibration Emission Value ah, ID < 2.5m/s² Uncertainty K = 1.5m/s²		-
	Impact Drilling into Concrete	-		Vibration Emission Value ah, ID = 7.5m/s² Uncertainty K = 1.5m/s²
Standard Accessories ^{*4}		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		

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

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HITACHI
Inspire the Next

Cordless Driver Drills

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

Cordless Impact Driver Drills

18V 5.0Ah/3.0Ah DV 18DBSL

High Performance **NEW**
and Compact Design

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

BRUSH
LESS
Brushless Motor



DS 18DBSL

DV 18DBSL



* Except for the Max Torque Hard of the DS18DBSL and DV18DBSL.
As of September 2016. Among 14.4V/18V cordless driver drills and cordless impact driver drills made by leading power tool manufacturers (surveyed by Hitachi Koki).

High Performance *and* Compact Design

The Large Dia. Brushless Motor and Optimized Gear Ratio Offers...
Most Powerful^{*1} Torque in its class Significantly Increased Application Speeds

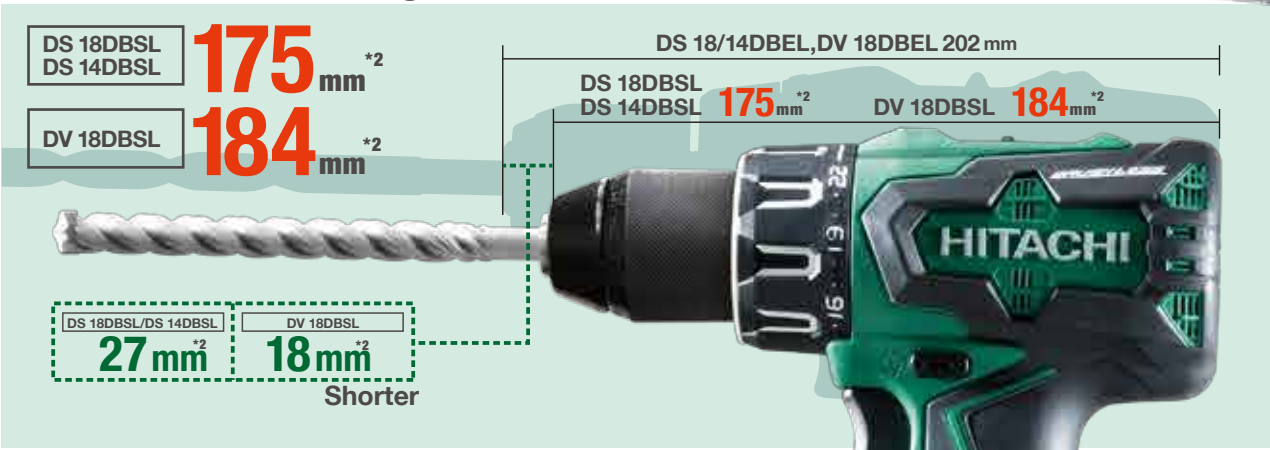
DS 18DBSL / DV 18DBSL	
Max Torque Soft	Max Torque Hard
40 Nm	70 Nm
DS 14DBSL	
Max Torque Soft	Max Torque Hard
35 Nm	60 Nm

Approx. **1.5x** Faster
than the previous models DS18DBEL/DV18DBEL

Approx. **1.3x** Faster
than the previous model DS14DBEL

When drilling (in High Mode + Drill Mode) into SPF 76mm in thickness with a φ24mm (DS18DBSL/DV18DBSL) / φ20mm (DS14DBSL) auger bit

Compact Design with a Shorter Overall Length



Great Versatility



Hitachi Original Brushless Motor Technology

BRUSH LESS
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.)*3

Number of screws driven in wood (Low Mode + Drill Mode)
φ8 x 100mm wood screws into American pine (with 6.5mm pilot holes)
DS 18DBSL / DV 18DBSL 5.0Ah BSL 1850

Approx. **138** screws

φ8 x 75mm wood screws into American pine (with 6.5mm pilot holes)
DS 14DBSL 5.0Ah BSL 1450

Approx. **167** screws

Number of holes drilled in brick (High Mode + Impact Mode) Mortar 30mm in thickness, with a φ10 masonry drill bit
DV 18DBSL 5.0Ah BSL 1850

Approx. **194** holes

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.)

DS 18DBSL			DS 14DBSL		DV 18DBSL		
5.0Ah BSL1850	3.0Ah BSL1830C	3.0Ah BSL1830	5.0Ah BSL1450	3.0Ah BSL1430C	5.0Ah BSL1850	3.0Ah BSL1830C	3.0Ah BSL1830

^{*1} Except for the Max Torque Hard of the DS18DBSL and DV18DBSL.
As of September 2016. Among 14.4V/18V cordless driver drills and cordless impact driver drills made by leading power tool manufacturers (surveyed by Hitachi Koki).
^{*2} The overall length varies by region.
^{*3} The values are for reference purposes. They vary according to the work material and conditions.