

Advanced electronics for precise professionals

A compact machine capable of powerful, series and precision operation in a wide range of tasks

Electronic performance control

Configure performance to your perfect levels using the wide range of functions and settings.

New High density B/L Motor



Before (earlier Panasonic product) After (new product)



High density motor structure gives 30% size reduction while keeping optimal performance.

New Precision electronic clutch



Precision electronic clutch omits the need for life-time limited, bulky, and heavy mechanical clutch, resulting in shorter body.

Cordless Drill & Driver EY1DD1



Bit storage space provided

Two 65 mm bits can be stored in the base of the drill (one each on left and right).

Specifications		Setting		18V 5.0Ah	18V 3.0Ah
Chuck	Keyless chuck (ø1.5 to ø13mm)			45 holes	30 holes
Maximum torque	Stalling torque: (18V) Low speed: 30Nm, High speed: 11Nm Instant torque: (18V) Low speed: 50Nm (14.4V) Low speed: 40Nm			280 holes	170 holes
Speed at no load	(18V) High speed: 70 - 1,800 rpm, Low speed: 20 - 530 rpm (14.4V) High speed: 70 - 1,450 rpm, Low speed: 20 - 430 rpm			180 holes	110 holes
Clutch torque	(18V) High speed: 3 - 8 Nm, Low speed: 3 - 18 Nm (14.4V) High speed: 3 - 7 Nm, Low speed: 3 - 17 Nm			45 holes	30 holes
Dimensions & weight	18V / 5.0Ah (EY9L54) : L 160 x H 253 x D 66 mm / 1.88 kg 18V / 3.0Ah (EY9L53) : L 160 x H 237 x D 66 mm / 1.65 kg				
Capacity (approx. with full charge)	Holesaw SPC (ø21 x 1.6 mm)				
	Wood / pine (ø15 x 120 mm)				
	Wood / pine (ø21 x 120 mm)	HIGH/DRILL/-/F			
	Wood core drill (ø65 x ceramic siding 16 mm + ply 12 mm)				
Driving	Coach bolt / pine (ø6 x 80 mm)	LOW/DRIVE/29/F		210 screws	130 screws
	Coach bolt / pine (ø8 x 80 mm)	LOW/DRIVE/40/F		120 screws	75 screws
	Tek screw / SPC (ø6 x 13 mm, thickness 1.6 mm)	HIGH/DRIVE/10/F		930 screws	560 screws

Accessories		Model#	EY1DD1J18D	EY1DD1N18D	EY1DD1X
Universal charger (Li-ion10.8 - 28.8V)	EY0L82	●	●	○	
Battery pack 18V	5.0Ah (LJ type)	EY9L54	●×2	○	
	3.0Ah (PN type)	EY9L53	○	●×2	
Support Handle	WEY1DD1F7001	○	○	○	

● Standard accessory ○ Optional accessory

Battery level indicator
Press **SET** button for approximately 3 seconds to reveal battery charge status.

Indicator	Battery status
3 lamps illuminated	Fully charged or high charge level
2 lamps illuminated	Approx. 60% remaining
One lamp illuminated	Low level - Will require charging soon
3 lamps flashing	Empty - Immediate charging required

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Panasonic

Cordless Drill & Driver
EY1DD1

Power, speed and durability.
Now with precision tightening function.



Panasonic's most compact and lightweight drill driver to date!*

*1 In Panasonic's 14.4/18V drill/driver category



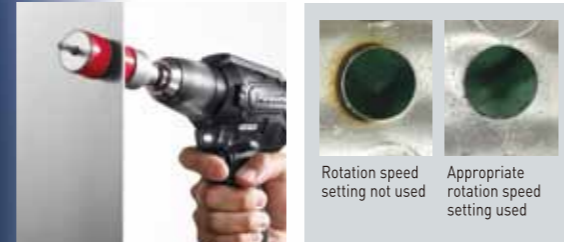
Head size
160mm
Weight
1.88kg

Select the perfect setting for a wide range of tasks

Drilling



Tough and speedy wood drilling
The integration of new brushless motor and vector control circuit optimizes the power and speed for heavy-duty serial drilling. (See operation picture for details.)



Fine metal drilling surface finish
Highest rotation speed limit (H1 - H3 settings) helps both clean surface finish and less wear on metal hole saw teeth.

Driving



Optimal clutch torque setting
Newly developed electronic clutch offers 600 different shut-off clutch torque between the combination of clutch and speed settings. Meets various fastening needs from precise to high-torque fastening. (See operation picture for details.)

Shut-off status LED indicator
Green light illuminates for 2 seconds when driving is complete with pre-set shut-off clutch torque, helping ensure correct tightness.

Tapping



Hassle-free rotation switching
TAP mode has a unique feature which automatically switches from 'forward' to 'reverse' rotation. Making serial tapping easier, quicker and smoother while 'Tapping dust removal mode' will also add to convenience and efficiency.

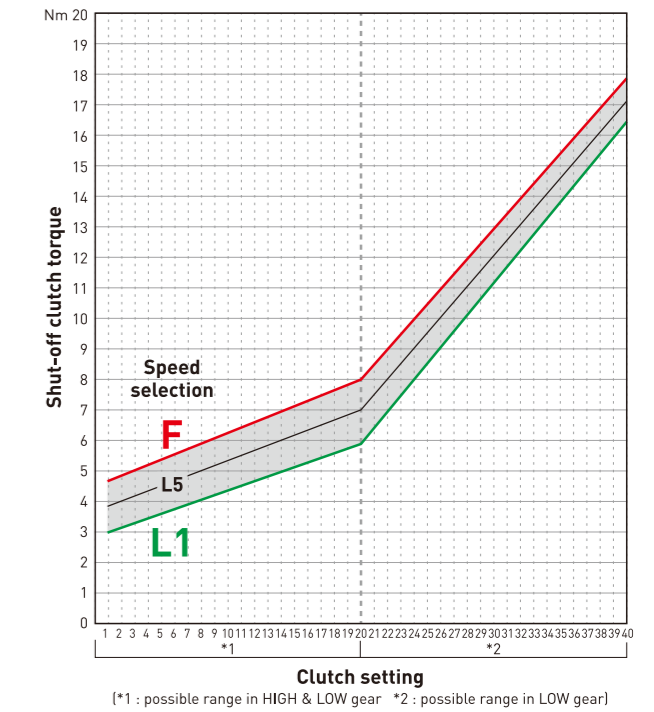
Tapping Performance

- Steel (thickness 10mm): M4 - M8
- Aluminium (thickness 10mm): M4 - M10

Gear setting	Indication	Mode setting	Shut-off clutch setting			RPM/Speed setting		
			Indication	Setting selection	Spec	Indication	Setting selection	Spec
HIGH								
			Given max drilling torque 11Nm *Soft-joint measurement at Panasonic lab. (Almost equivalent value in actual wood drilling)			e.g. Selection F		
LOW								
			Given max drilling torque 30Nm *Soft-joint measurement at Panasonic lab. (Almost equivalent value in actual wood drilling)			e.g. Selection F		
HIGH								
			See 'Clutch torque x speed' reference chart for optimal setting			e.g. Selection F		
LOW								
			See 'Clutch torque x speed' reference chart for optimal setting			e.g. Selection F		
HIGH								
			See 'Clutch torque x speed' reference chart for optimal setting			e.g. Selection F		
LOW								
			See 'Clutch torque x speed' reference chart for optimal setting			e.g. Selection F		

Guide line / Function			
● Max. size guide line by task for serial application			
Gear	Mate	Drill bit	Hole size/Thickness
High	Yellow pine/Spruce	Wood drilling bit	-ø21 x t=120mm -ø27 x t=40mm
	SPC / Sheet metal	Metal drilling bit Metal hole saw	-ø10 x t=1.6mm -ø21 x t=1.6mm
	Ceramic siding	Core drill	-ø65 x t=28mm
LoW	Yellow pine/Spruce	Wood drilling bit	-ø38 x t=120mm
	SPC / Sheet metal	Metal drilling bit Metal hole saw	-ø13 x t=2.3mm -ø33 x t=2.3mm
	Ceramic siding	Core drill	-ø80 x t=28mm

Shut-off clutch torque reference for Driving and Tapping (approx. torque)



Tapping operation

