

Screwdriver Motor RPM Recommendations

It is important to select a motor with RPM specifications that suit the intended application(s) to ensure the best results.

Many variables such as the material being fastened, user skill level and weather conditions can affect screwdriver performance for a given application.

Applications	Cordless	1700rpm	2500rpm	4000rpm	4500rpm	6000rpm	1000–2000rpm 2 Speed
Subfloor and sheet flooring	–	GOOD	BEST	–	–	–	GOOD
Hardwood-to-hardwood decking/docks	–	BEST	GOOD	–	–	–	BEST
Other decking/docks	–	BETTER	BEST	–	–	–	GOOD
Drywall	–	–	GOOD	BETTER	BETTER	GOOD	–
Fibre-cement cladding	–	GOOD	BEST	–	–	–	–
Tile roofing	–	–	BEST	–	–	–	–
Steel framing	GOOD	GOOD	BEST	–	–	–	–
Underlayment and flooring	GOOD	BETTER	BEST	–	–	–	–
Truck and trailer beds	–	BEST	GOOD	–	–	–	BEST
General purpose	GOOD	–	BEST	–	–	–	–

Screwdriver Motor Comparison Chart

Brand	Model	Rated Input	No Load Speed (RPM)	Manufacturer Application	Adaptor	Raw No. on Adaptor
Bosch®	GSR6-40TE*	500W	0–4000	Drywall	ADBG2	201119
	GSR6-25TE*	500W	0–2500	General Screw Driving	ADBG2	201119
	GSR6-20TE*	600W	0–2000	Tek Screw Driver	ADBG2	201119
	GSR6-25TE	701W	0–2500	General Screw Driving	BOA1G2	105368
De Walt®	256	540W	0–4000	Drywall	DWAG2	105777
	266	540W	0–2500	General Screw Driving	DWAG2	105777
Hitachi®	W6V3*	600W	0–4000	Drywall	HIAG2	201110
	W6V4*	620W	0–4500	Drywall	HIAG2	201110
	W6VA3*	600W	0–2600	Drywall and Roofing	HIAG2	201110
	W6VA4	620W	0–3000	Drywall and Roofing	HIAG2	201110
	W6VB3	620W	0–2600	General Screw Driving	HIAG2	201110
	W8VB2	600W	0–1700	Tek Screw Driver (reduction gearing)	HIAG2	201110
	W6VM*	620W	0–6000	Drywall	HIAG2	201110
	WH18DL	18V	0–2600	Impact Driver — Cordless	HIA1G2	105367

Screwdriver Motor Comparison Chart (cont.)

Brand	Model	Rated Input	No Load Speed (RPM)	Manufacturer Application	Adaptor	Raw No. on Adaptor
Makita®	6802*	510W	0-2500	General Screw Driving	MAAG2	105590
	6805*	500W	0-2500	Heavy Duty	ADM27G2AU	150915AU
	6807	500W	1000/2200	Heavy Duty	MAA6807G2	201129
	6823*	570W	0-2500	Drywall	MAAG2	105590
	6824*	570W	0-4500	Drywall	MAAG2	105590
	6825*	570W	0-6000	Drywall	MAAG2	105590
	6826*	570W	0-2500	General Screw Driving	MAAG2	105590
	6827*	570W	0-2500	Flooring	ADM27G2AU	150915AU
	6831*	12V	0-2500	Drywall — Cordless	ADM31DG2	201130
	6842	470	4000	Drywall	ADM31DG2	201130
	BFR440RFE, BFR540RFE	14.4V	4000	Drywall — Cordless	ADM31DG2	201130
	BFR550RFE	18V	4000	Drywall — Cordless	ADM31DG2	201130
	LXSF01Z	18V	4000	Drywall — Cordless	MAA3G2	201143
	FS2300	570W	0-2500	General Screw Driving	MAA3G2	201143
	FS2500	570W	0-2500	General Screw Driving	MAA3G2	201143
	FS2700	570W	0-2500	General Screw Driving	ADM27G2AU	150915AU
FS6300	570W	0-6000	Drywall	MAA3G2	201143	
Milwaukee®	DWSE 4000Q	725W	0-4000	Drywall	MIAG2	105597
	TKSE 2500Q	725W	0-2500	Self Drilling/Self Tapping Screws	MIAG2	105597
Ramset®	SD4000*	500	0-4000	Drywall	ADBG2	201119
	SD2000*	600	0-2000	Tek Screw Driver	ADBG2	201119

*Discontinued Models

1. Please contact Simpson Strong-Tie Representative for detailed instructions.

