

Bosch Production Cordless Angle EXACT Nutrunners



Angle EXACT Nutrunner Features

- Precision Shut-Off clutch meets ISO tolerance of $\pm 10\%$; actual tolerance on most real-world applications is better than $\pm 2\%$!
- Lightweight/Broad torque range
- 0.7 second trigger repeat protection
- LED/audible battery charge indicators use microprocessor to disable tool when voltage drops below preset threshold; tool stays "in-process" regardless of battery condition!
- Start lock prevents use if battery capacity is too low
- LED/audible shut-off indicator uses microprocessor to provide operator feedback for clutch signal to confirm good/bad joint status!



- Slim angle head design can be positioned in 45° increments; head fits all Angle EXACT models and all 180/370 watt air nutrunners!
- Bright LED lighting for work area illumination rotates to match the angle head position
- All models feature trigger hand forward/reverse control
- Tools share common parts: Circuit board & trigger switch are identical.
- Unique color rings can be used to identify joint types or fastening areas on the assembly line for easy reference
- Protective rubber cover available for angle heads (see page 13)
- Uses same battery and chargers as our T-Grip models; available individually or as a 10-pack (p. 12)

Angle EXACT Nutrunner 2, 3, 6, 7, 8 and 15



Angle head and battery NOT included on ALL models;
See page 12 for battery availability

Angle EXACT Nutrunner 23, 30



Angle & Straight Heads for All Angle EXACT



	EXACT Model	Tool part number	Torque Nm (hard joint)	Torque in.-lbs. (hard joint)	Torque ft.-lbs. (hard joint)
2	0 602 490 647	0.7–2 Nm	6.2–17.7	0.5–1.5	
3	0 602 490 656	0.7–3 Nm	6.2–26.5	0.5–2.2	
6	0 602 490 652	1–6 Nm	8.8–53	0.7–4.4	
7	0 602 490 669	2–7 Nm	17.7–62	1.5–5.1	
8	0 602 490 651	1–8 Nm	8.8–70.7	0.7–5.9	
15	0 602 490 650	2–15 Nm	17.7–132.7	1.5–11	
23	0 602 490 673	7–23 Nm	62–204	5.1–17	
30	0 602 490 671	8–30 Nm	70.7–266	5.9–22.1	
	0 607 453 617				
	0 607 453 618				
	0 607 453 630				
	0 607 453 620				
	0 607 451 618				
	0 607 453 631				

No-load speed	Rotation (R=right, L=left)	Battery specifications	Weight	Bit Holder/Drive End Hex. = Female Hexagon QC = Quick Change	Features	Included accessories	Accessory Part numbers
110 rpm	R/L	9.6 V battery (not included)	1.0 kg / 2.2 lbs	All angle heads must be ordered separately; see angle head section below	0.7 sec. repeat protection	Light Green color ring	3 600 106 023
420 rpm	R/L	9.6 V battery (not included)	1.0 kg / 2.2 lbs		0.7 sec. repeat protection	Light Green color ring	3 600 106 023
650 rpm	R/L	9.6 V battery (not included)	1.0 kg / 2.2 lbs		0.7 sec. repeat protection	Black color ring	3 600 106 022
110 rpm	R/L	9.6 V battery (not included)	1.0 kg / 2.2 lbs		0.7 sec. repeat protection	Orange color ring	3 600 106 021
420 rpm	R/L	9.6 V battery (not included)	1.0 kg / 2.2 lbs		0.7 sec. repeat protection	Orange color ring	3 600 106 021
275 rpm	R/L	9.6 V battery (not included)	1.0 kg / 2.2 lbs		0.7 sec. repeat protection	Red color ring	3 600 106 020
					Tool weight with angle head and battery: 1.6 kg / 3.5 lbs.	All models include: Angle head wrench Torque adjusting tool Suspension hook	3 601 376 007 3 607 950 020 3 601 923 024
320 rpm	R/L	14.4 V battery (not included)	1.5 kg / 3.3 lbs	All angle heads must be ordered separately; see angle head section below	0.7 sec. repeat protection	Orange color ring	3 600 106 021
220 rpm	R/L	14.4 V battery (not included)	1.5 kg / 3.3 lbs		0.7 sec. repeat protection	Red color ring	3 600 106 020
				Tool weight with angle head and battery: 2.6 kg / 5.7 lbs.	All models include: Angle head wrench Torque adjusting tool Suspension hook	3 601 376 007 3 607 950 020 3 601 923 024	
			0.2 kg / 0.4 lbs	1/4" Square	Angle head with 1/4" Square drive end		
			0.2 kg / 0.4 lbs	1/4" Int. Hex	Angle head with 1/4" Internal hex drive end		
			0.2 kg / 0.4 lbs	1/4" QC	Angle head with 1/4" Quick-change chuck		
			0.2 kg / 0.4 lbs	3/8" Square	Angle head with 3/8" External square drive end		
			0.22 kg / 0.5 lbs	3/8" Square	Heavy-Duty Angle head with 3/8" square drive (recommended for 23 & 30 Nm Angle EXACT)		
			0.2 kg / 0.4 lbs	1/4" QC	Straight head with 1/4" Quick-change chuck		