



# IndustrialTools



- ▶ *Ergonomy / related to application*
- ▶ *Small angle head*
- ▶ *High accuracy*
- ▶ *Good durability / reliability*
- ▶ *Low reaction forces*

**Angle Head  
Shut off**

## The Ultimate Power Tools

# Angle nutrunners

Designed for maximum productivity and ergonomics !



CP tools development is based on facts and experiences gathered from users, ergonomists, industrial designers, research and development departments as well as extensive testing and trials together with end-users of our tools.

## FEATURES

### ERGONOMY

- Spline connected angle heads
- Compact and durable angle and planetary gears
- Rear exhaust silencer for low noise level

### QUALITY

- Ultra fast shut off clutches
- FAS version available
- FAS version available

### PRODUCTIVITY

- Efficient and powerful motors

### DURABILITY

- Compact and durable angle and planetary gears

## BENEFITS

- ▶ Gives better access
- ▶ Gives better access
- ▶ Improve operator comfort and increase productivity
- ▶ Minimize overshoot, less rework
- ▶ No missed bolts
- ▶ Batch count
- ▶ Gives higher productivity ratio + 50%
- ▶ Minimize the life cost of the tool





# Angle Head - Shut off

25 to 120 Nm (18 to 88 ft.lb) - 190 to 330 rpm



A



B



C



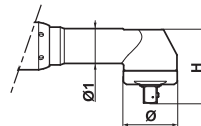
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## ACCESSORIES INCLUDED

	PART NO.	
	SH500/700/850	SH1200
• Screwdriver adjustment	205 050 785 3	205 050 785 3
• Air hose nipple	453973	205 051 239 3

## OPTIONAL ACCESSORIES

	PART NO.
• Exhaust hose for SH500/700/850	459813
• Exhaust hose for SH1200	205 050 181 3
• Suspension bail for SH500/700/850	205 051 113 3
• Suspension bail for SH1200	615 571 061 0
• Protective cover for SH500	205 051 182 3
• Protective cover for SH700	205 050 235 3
• Protective cover for SH850	205 050 238 3
• Protective cover for SH1200	205 050 252 3
• Reporting kit for SH500/700/850 (for connexion with FAS)	205 050 175 3
• Reporting kit for SH1200 (for connexion with FAS)	205 050 176 3



MODEL	Ø		H		Ø1	
	mm	in.	mm	in.	mm	in.
SH500	40	1.57	56.5	2.2	29	1.1
SH700	40	1.57	56.5	2.2	29	1.1
SH850	51	2.0	69.5	2.7	33	1.3
SH1200	51	2.0	69.5	2.7	33	1.3

Vibration level: <2.5 m/s<sup>2</sup> - Sound level: 80 dB(A) SH500/700/850 - 82dB(A) SH1200

PIC REF	MODEL	PART NUMBER	BOLT SIZE	FREE SPEED	OUTPUT DRIVE	TORQUE RANGE		LENGTH		WEIGHT		AIR FLOW		AIR INLET	HOSE INT Ø	
			mm	rpm	in.	Nm	ft.lb	mm	in.	kg	lb	l/s	cfm	in.	mm	in.
A	SH500-LR330-S90-A13S	205 147 473 4	M10	330	1/2 sq.	25-50	18-36	453	17.8	2.2	4.8	16	34	1/4	10	3/8
B	SH700-LR225-S90-A13S	205 147 474 4	M10-M12	225	1/2 sq.	34-70	24-50	487	19.2	2.4	5.3	16	34	1/4	10	3/8
C	SH850-LR190-S90-A13S	205 147 475 4	M12	190	1/2 sq.	40-85	29-61	530	20.8	2.8	6.1	16	34	1/4	10	3/8
D	SH1200-LR215-S90-A13S	205 147 476 4	M12-M14	215	1/2 sq.	70-120	51-88	590	23.2	3.5	7.6	28	59	1/2	13	1/2

# Fastening Assurance System FAS 3000

(optional accessory)

Reduce the errors and increase the productivity

## BENEFITS

Cost effective verification of assembly:

- To prevent poor quality of assembled product
- To demonstrate to customers the assembly integrity

- To allow flexible working practices
- To remove the need for final inspection of assembly
- To identify problems and inconsistencies with components
- To provide a fastening assurance system quickly

## FEATURES

- Generates OK/NOK signals for both cycle and assembly
- Counts the fasteners in each assembly
- Reset facilities for cycle and assembly
- Can be operated manually or remotely via interfaces
- Provides coded error messages to identify reason for NOK

- Programs can be sequence automatically or via a signal

TORQUE	OK	OK	OK	OK	OK
ANGLE	OK	NOK maxi	NOK mini	NOK mini	NOK mini
ERROR	OK	ERO1	ERO2	ERO1	ERO1
CODE					

