

A3/AC3

Semi-Automatic
Airtork

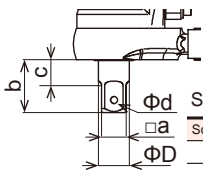
Direction RoHS



A50N3 Low provisional type



AC50N3 High provisional type



Sq. drive dimensions [mm]

Sq. style	a	b	c	ΦD	Φd
A	9.53	20.9	11	12	3.1
B	9.53	24.9	11	12	3.1
C	12.7	24.9	11	16	4.1
D	12.7	26.4	12.2	16	4.1



ACLS50N3 High provisional with limit switch type

Assembly Angle Pneumatic Graduation Push button ISO6789:2017

- High speed and high precision bolt tightening by an integrated air motor and torque wrench
- New square drive head accommodates anti-vibration sockets
- A3: Low provisional torque type, AC3: High provisional torque type

Accuracy ±3%

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm]		American Model	Torque Range [lbf·in/lbf·ft]		Provisional Tightening Torque [N·m]	Free Speed [r.p.m.]	Air Pressure [MPa]	Hose Dia. [mm]	Overall Length [mm]	Sq. Drive [mm]	Sq. Style	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.								
A10N3	3-10	0.1	A100M3	30-100	1	A90I3-3/8	30-90	1								
A25N3	5-25	0.25	A250M3	50-250	2.5	A200I3-3/8	50-200	2.5	1.8	750		φ5	277		A	1.0
A50N3	10-50	0.5	A500M3	100-500	5	A400I3-3/8	100-400	5						9.5		
-	-	-	-	-	-	A800I3-3/8	200-800	10							B	1.4
-	-	-	-	-	-	A75F3-3/8	15-75	1	2.5	800		φ6	338			
A100N3	20-100	1	A1000M3	200-1000	10	-	-	-			0.6			12.7	C	
A180N3	40-180	2	A1800M3	400-1800	20	A130F3-1/2	30-130	2	5				487		D	2.6
AC25N3	5-25	0.25	AC250M3	50-250	2.5	AC200I3-3/8	50-200	2.5								
AC50N3	10-50	0.5	AC500M3	100-500	5	AC400I3-3/8	100-400	5	11	1000		φ5	293		A	1.5
-	-	-	-	-	-	AC800I3-3/8	200-800	10								
-	-	-	-	-	-	AC75F3-3/8	15-75	1	17.5	900		φ6	334		B	2.0
AC100N3	20-100	1	AC1000M3	200-1000	10	-	-	-							C	
AC180N3	40-180	2	AC1800M3	400-1800	20	AC130F3-1/2	30-130	2	19	800			489		D	3.3

- Note
1. Provisional tightening torque is not warranty the accuracy.
 2. Use pneumatic sockets only.
 3. Through hole type square drive.

A3LS/AC3LS

- A3/AC3 style with limit switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

Accuracy ±3%

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm]		American Model	Torque Range [lbf·in/lbf·ft]		Provisional Tightening Torque [N·m]	Free Speed [r.p.m.]	Overall Length [mm]	Square Drive [mm]	Weight [kg]		
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.							
ALS10N3	3-10	0.1	ALS100M3	30-100	1	ALS90I-3/8	30-90	1							
ALS25N3	5-25	0.25	ALS250M3	50-225	2.5	ALS200I3-3/8	50-200	2.5	1.8	750		277		1.2	
ALS50N3	10-50	0.5	ALS500M3	100-500	5	ALS400I3-3/8	100-400	5							
ACLS25N3	5-25	0.25	ACLS250M3	50-250	2.5	ACLS200I3-3/8	50-200	2.5						9.5	1.5
ACLS50N3	10-50	0.5	ACLS500M3	100-500	5	ACLS400I3-3/8	100-400	5	11	1000		293			
-	-	-	-	-	-	ACLS800I3-3/8	200-800	10							
-	-	-	-	-	-	ACLS75F3-3/8	15-75	1	17.5	900		334			2.2
ACLS100N3	20-100	1	ACLS1000M3	200-1000	10	-	-	-							
ACLS180N3	40-180	2	ACLS1800M3	400-1800	20	ACLS130F3-1/2	30-130	2	19	800		488		12.7	3.5

Assembly Pistol Pneumatic Graduation Trigger

- High speed and high accuracy tightening
- Easy torque adjustment by scale with key

Accuracy ±5%

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm]		American Model	Torque Range [lbf·in]		Free Speed [r.p.m.]	Air Pressure [MPa]	Hose in Dia. [mm]	Standard Accessory Bit Ⓟ	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.					
AUR5N	2-5	0.1	AU50R	20-50	1	AU50R-A	15-45	1	2100			#3	1.5
AUR12.5N	5-12.5	0.25	AU125R	50-125	2.5	AU125R-A	37.5-112.5	2.5	800	0.5	φ10	-	1.7
AUR25N	10-25	0.5	AU250R	100-250	5	AU250R-A	75-225	5	400			-	

- Note
1. AUR5N has #3 bit, 6.35 HEX, with a double bit. Any other bits are available in the local market.
 2. AUR12.5N and AUR25N have a fixed 9.53mm square drive. Use pneumatic sockets only.

- Standard Accessories
1. Torque adjusting key
 2. Supportive Handle for AUR25N/AURLS25N
 3. W12 Open ended spanner for AUR25N/AURLS25N
 4. Counter clockwise rotation has no torque control and it is loosening purpose only.

AURLS

- AUR style with limit switch output
- Wired Error-Proofing, Pokayoke, system for assembly processes

Accuracy ±5%

S.I. Model	Torque Range [N·m]		Metric Model	Torque Range [kgf·cm]		American Model	Torque Range [lbf·in]		Free Speed [r.p.m.]	Air Pressure [MPa]	Hose in Dia. [mm]	Standard Accessory Bit Ⓟ	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.					
AURLS5N	2-5	0.1	AU50RLS	20-50	1	AU50RLS-A	15-45	1	2100			#3	1.5
AURLS12.5N	5-12.5	0.25	AU125RLS	50-125	2.5	AU125RLS-A	37.5-112.5	2.5	800	0.5	φ10	-	1.7
AURLS25N	10-25	0.5	AU250RLS	100-250	5	AU250RLS-A	75-225	5	400			-	

POKA Patrol, Count Checker
CNA-4mk3

Refer to page 27.

* Sold Separately

AUR

UNITORK/Pistol Type
Pneumatic Torque
Screwdriver

Direction



RoHS



AUR12.5N

HAC

Battery Operated
Semi-Automatic
Torque Wrench

Direction **RoHS**



HAC50N

Battery Reference

For battery and charger, Hitachi Koki UC18 series are available commercially.

Battery Charger



BC18YSL3

Battery



BP1830C



BP1860

Note

1. Guideline tightening No. is 1500 operations for BP1830C and 3000 operation for BP1860.
2. The guideline is in case of middle joint. It is subject to change due to joint coefficient.

* Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Assembly **Electric** **Re-Chargeable** **Graduation** **Trigger** **ISO6789:2017**

- More reasonable and accurate than electric hand nutrunner
- Provisional tightening by electric motor and final tightening by hand. Two in one function.
- Pokayoke function is equipped as standard.
- Capable of calibrating by torque wrench tester

Accuracy ±3%

S.I. Model	Torque Range [N·m]		Max. Provisional Tightening torque	Free Speed [r.p.m.]	Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.					
HA25N	5-25	0.25	4	1000	406	9.53	1.5
HAC25N							
HAC50N	10-50	0.5	11	1100	445		1.9
HAC100N	20-100				491		2.4
HAC140N	30-140	1	17.5	1000	557	12.7	2.8
HAC200N	40-200	2	30	580	670		3.6

Note

1. Provisional torque is easily changed in 3 levels.
2. Battery charger, Battery, Balancer, Receiver/R-BT, and Adapter/BA-8 are optional.
3. Contact to Tohnichi for condition of wireless equipment in each country.

Standard Accessories

Hex bit W=4/Adjusting tool



HAC with balancer



R-BT

Bluetooth® Receiver

Model	Version
R-BT	V3.0

Note

1. It is receivable up to 4 pcs of HAC.
2. Supplied with DC24V input terminal
3. Communication distance is 10m.

R-BT AC Adapter

Model
BA-8R

Note

AC100-240V is applicable.



BA-8R

HAT

HANDYTORK/
Battery Operated
Torque Screwdriver

Direction



HAT25N

HAT Optional Accessories

Battery



BP-12

Model	Description
BP-12	DC 12V

Battery Charger



BC-1

Part #	Model
820	BC-1 (AC100V)

Assembly **Pistol** **Re-Chargeable** **Graduation** **Trigger**

- Easy calibration check with standard torque wrench tester
- Available with reverse and as FH version

Accuracy ±5%

S.I. Model	Torque Range [N·m]		Free Speed [r.p.m.]	Voltage DC [V]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.				
HAT25N	10-25	0.5	700	12	9.5	1.8
HATR25N			140			

Note

1. Torque accuracy is based upon static torque measured by torque wrench tester.
2. HATR/HATRFH has a reverse mode function.
3. HATFH/HATRFH is error-proofing (Pokayoke) type, and it can be used only with R-CM receiver with M-FH radio module (sold separately) as count verification system.
4. Use pneumatic sockets only.
5. HAT battery and battery charger are optional.
6. It is designed for 100V usage only.

Standard Accessories

1. W4 hex key
2. Supportive handle for HAT25N, HATR25N, HATFH25N, HATRFH25N

HATFH

- Wireless error-proofing, Pokayoke, system for HAT
- Tightening completion signal output to eliminate missed tightening

Accuracy ±5%

S.I. Model	Torque Range [N·m]		Free Speed [r.p.m.]	Voltage DC [V]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.				
HATFH25N	10-25	0.5	700	12	9.5	1.8
HATRFH25N			140			

Receiver R-CM

Refer to page 28 for wireless Pokayoke system configuration.

*Sold separately



POKA Patrol, Count Checker CNA-4mk3

Refer to page 27.

* Sold Separately

