



SMALL RANGE DIGITAL TORQUE WRENCHES

- Ratchet head
- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak and track working modes
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when target torque value is 90%~100% of target torque
 - Red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)



IST-WP6

SPECIFICATION

Code	IST-WP6	IST-WP12	IST-WP20
Range	1.2~6N.m	2.4~12N.m	4~20N.m
Accuracy	clockwise	±3%	
	counter-clockwise	±4%	
Resolution	0.001N.m	0.01N.m	0.01N.m
Square driver (L)	1/4"		
Power supply	1×AAA battery		
Length	260mm		
Weight	430g		

OPTIONAL ACCESSORY

Calibration cable IST-SD-CABLE



SHORT HANDLE DIGITAL TORQUE WRENCHES

- Ratchet head
- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak and track working modes
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
 - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off in 5 minutes automatically
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)



IST-WS60

SPECIFICATION

Code	IST-WS12	IST-WS20	IST-WS30	IST-WS30A	IST-WS60	IST-WS85
Range	2.4~12N.m	4~20N.m	6~30N.m	6~30N.m	12~60N.m	17~85N.m
Accuracy	clockwise	±3%				
	counter-clockwise	±4%				
Resolution	0.01N.m	0.01N.m	0.01N.m	0.01N.m	0.01N.m	0.1N.m
Square driver (L)	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"
Power supply	2×AAA batteries					
Length	215mm	215mm	215mm	215mm	225mm	271mm
Weight	750g	750g	750g	830g	917g	1000g

OPTIONAL ACCESSORY

Calibration cable IST-SD-CABLE

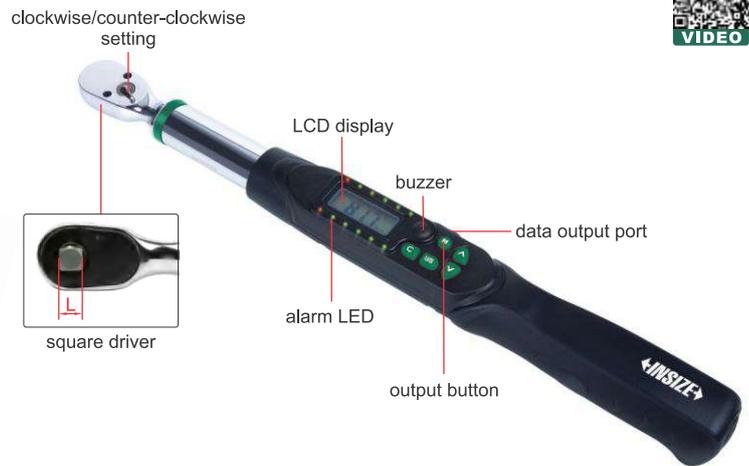
WIRED TRANSMISSION DIGITAL TORQUE WRENCHES (KEYBOARD SIGNAL)



TYPE B OPTIONAL ACCURACY:
CLOCKWISE: $\pm 1\%$
COUNTER-CLOCKWISE: $\pm 2\%$



**IST-17W12A
type A**

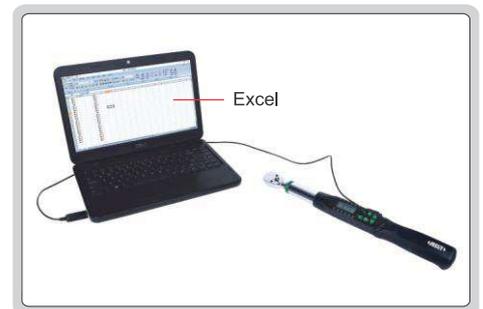


**IST-17W135A
type B**

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Torque wrench:

- Ratchet head
- Unit: N.m, in.lb, ft.lb, kg.cm
- Clockwise and counter-clockwise operation
- Peak and track working mode
- Can set tolerance with judgement in peak working mode
- 9 target torque values can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 80%~99.5% of target torque
 - Both green and red LED light on and buzzer sounds when torque value is over 99.5% of target torque
- Power off in 2 minutes automatically
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)



transmission cable (optional)
keyboard signal output via transmission cable

Data transmission:

- Keyboard signal through a cable, can be transmitted to Excel, Word, Txt, etc.
- Press the output button once to output a value

SPECIFICATION

Code	IST-17W06A	IST-17W12A	IST-17W20A	IST-17W30A	IST-17W135A	IST-17W200A	IST-17W340A
Type	type A (short handle)			type B (long handle)			
Range	1.2~6N.m	2.4~12N.m	4~20N.m	6~30N.m	27~135N.m	40~200N.m	68~340N.m
Accuracy	clockwise: $\pm 2\%$ counter-clockwise: $\pm 3\%$						
Tolerance setting range	-20%~+20% (target torque value)						
Resolution	0.001N.m	0.01N.m	0.01N.m	0.01N.m	0.1N.m	0.1N.m	0.1N.m
Square driver (L)	1/4"	1/4"	1/4"	1/4"	3/8"	1/2"	1/2"
Power supply	2×AAA batteries			2×AA batteries			
Length	215mm	215mm	215mm	390mm	415mm	530mm	650mm
Weight	750g	750g	750g	760g	940g	1340g	1540g

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
Transmission cable (keyboard signal)	IST-HID-CABLE *
Transmission cable (serial port signal)	7305-IST *

* Torque wrench must be equipped with an optional transmission cable to enable data transmission



TYPE B OPTIONAL ACCURACY:
CLOCKWISE: $\pm 1\%$
COUNTER-CLOCKWISE: $\pm 2\%$

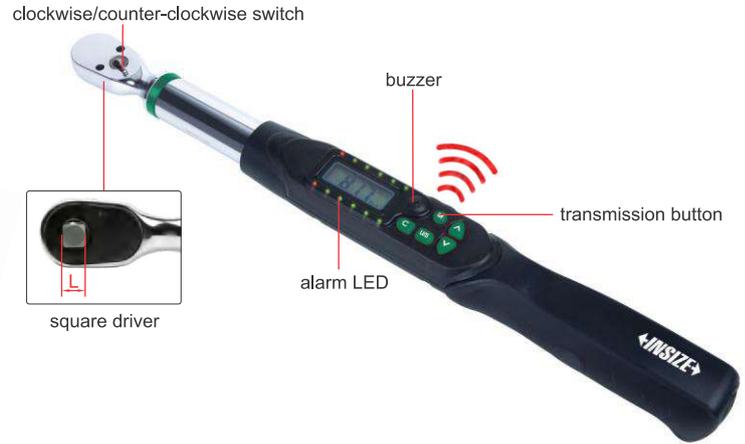
BUILT-IN BLUETOOTH



BLUETOOTH DIGITAL TORQUE WRENCHES (KEYBOARD SIGNAL)



IST-15W12A
type A



IST-15W135A
type B

Torque wrenches:

- Ratchet head
- Unit: in.lb, ft.lb, N.m, kg.cm
- Clockwise and counter-clockwise operation
- Peak and track working mode
- Can set tolerance with judgement in peak working mode
- 9 target torque values can be set, with audible and visible alarm:
LED lights up in sequence, and the buzzer gets louder and louder when torque value is 80%~99.5% of target torque
- Power off in 2 minutes automatically
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

Data transmission:

- Built-in Bluetooth 4.0 module, which can be connected with computers (with Bluetooth function), mobile phones, tablets and other devices
- Keyboard signal, can be transmitted to Excel, Word, TXT
- Transmission distance is 10 meters (no obstacles, no electromagnetic interference)
- Bluetooth connection and disconnection are respectively shown by indicator lights



transmission distance is 10 meters
(no obstacles, no electromagnetic interference)

SPECIFICATION

Code	IST-15W06A	IST-15W12A	IST-15W20A	IST-15W30A	IST-15W135A	IST-15W200A	IST-15W340A
Type	type A (short handle)			type B (long handle)			
Range	1.2~6N.m	2.4~12N.m	4~20N.m	6~30N.m	27~135N.m	40~200N.m	68~340N.m
Accuracy	clockwise	$\pm 2\%$					
	counter-clockwise	$\pm 3\%$					
Tolerance setting range	-20%~+20% (target torque value)						
Resolution	0.001N.m	0.01N.m	0.01N.m	0.01N.m	0.1N.m	0.1N.m	0.1N.m
Square driver (L)	1/4"	1/4"	1/4"	1/4"	3/8"	1/2"	1/2"
Power supply	2xAAA batteries			2xAA batteries			
Length	215mm	215mm	215mm	390mm	415mm	530mm	650mm
Weight	750g	750g	750g	760g	940g	1340g	1540g

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
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TWO-WAY BLUETOOTH DIGITAL TORQUE WRENCHES



**BUILT-IN
BLUETOOTH**

**OPTIONAL ACCURACY:
CLOCKWISE: ±1%
COUNTER-CLOCKWISE: ±2%**



Data transmission:

- Data transmission via bluetooth (bluetooth 4.0)
- Two-way transmission and control
- Transmission distance: 10m (no obstacles, no electromagnetic interference)
- Bluetooth connection and disconnection are displayed by indicator light

Torque wrench:

- Ratchet head
- Unit: N.m, in.lb, ft.lb, kg.cm
- Clockwise and counter-clockwise operation
- Peak and track working mode
- Can set tolerance with judgement in peak working mode
- 9 target torque values can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 80%~99.5% of target torque
 - Both green and red LED light on and buzzer sounds when torque value is over 99.5% of target torque
- Power off in 2 minutes automatically
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

Software:

- In Windows 10 system version 1709 or above
- Two operation mode:
 - Data transmission mode: wrench transmits actual torque value to software after operation
 - Program guidance mode: firstly set process on software (set sequence of tightening, select wrench and set torque values and tolerances). Then software shows which wrench the operator should use (indicator light of the selected wrench is on) and shows the target torque value, and serial number of the screw to be tightened (shows on the wrench); After the operation is finished, the actual torque value is sent to software
- Can select whether the wrench only sends qualified data after operation (in accordance with the tolerance)
- Two data transmission modes: automatic or press button to send
- When the wrench is disconnected, data is stored in the wrench and automatically sent to computer after connection via Bluetooth
- The data in software can be printed or exported to Excel



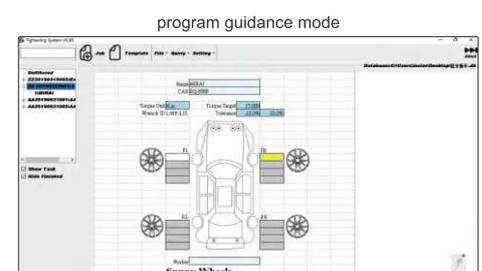
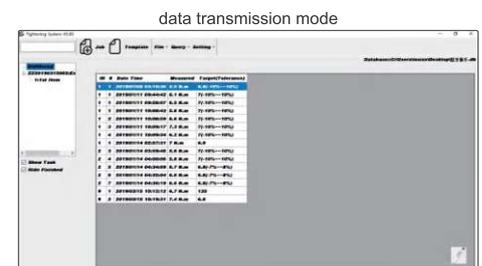
IST-12W135A



a computer can be connected with multiple wrenches, the transmission distance is 10 meters (no obstacles, no electromagnetic interference)

SPECIFICATION

Code	IST-12W30A	IST-12W135A	IST-12W200A	IST-12W340A
Range	6~30N.m	27~135N.m	40~200N.m	68~340N.m
Accuracy	clockwise: ±2% counter-clockwise: ±3%			
Tolerance setting range	-20%~+20% (target torque value)			
Resolution	0.01N.m	0.1N.m	0.1N.m	0.1N.m
Square driver (L)	1/4"	3/8"	1/2"	1/2"
Power supply	2xAA batteries			
Length	390mm	415mm	530mm	650mm
Weight	760g	940g	1340g	1540g



OPTIONAL ACCESSORY

Calibration cable **IST-W-CABLE**

TWO-WAY WIRELESS DIGITAL TORQUE WRENCHES



IST-13W135A

OPTIONAL ACCURACY:
CLOCKWISE: $\pm 1\%$
COUNTER-CLOCKWISE: $\pm 2\%$

TRANSMISSION DISTANCE
IS 300 METERS

INSPECTION
CERTIFICATE



two-way receiver

Torque wrench:

- Ratchet head
- The test results can be transmitted wirelessly to the computer and PLC
- Unit: N.m, in.lb, ft.lb, kg.cm
- Clockwise and counter-clockwise operation
- Peak and track working mode
- Can set tolerance with judgement in peak working mode
- 9 target torque values can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 80%~99.5% of target torque
 - Both green and red LED light on and buzzer sounds when torque value is over 99.5% of target torque
- Power off in 2 minutes automatically
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)

Two-way receiver:

- A two-way receiver can be connected with up to 10 wrenches at the same time, and the maximum transmission distance is 300 meters

Software:

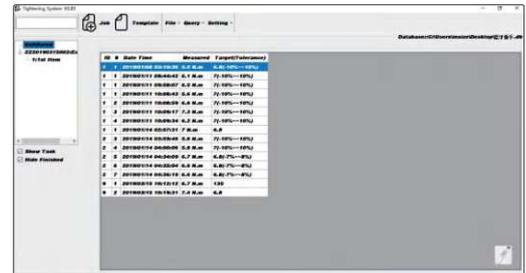
- In Windows10 system version 1709 or above
- Two operation mode:
 - Data transmission mode: wrench transmits actual torque value to software after operation
 - Program guidance mode: firstly set process on software (set sequence of tightening, select wrench and set torque values and tolerances). Then software shows which wrench the operator should use (indicator light of the selected wrench is on) and shows the target torque value, and serial number of the screw to be tightened (shows on the wrench); After the operation is finished, the actual torque value is sent to software.
- Can select whether the wrench only sends qualified data after operation (in accordance with the tolerance)
- Two data transmission modes: automatic or press button to send
- When the wrench is disconnected, data is stored in the wrench and automatically sent to computer after wireless connection
- The data in software can be printed or sent to Excel

TWO-WAY RECEIVER SPECIFICATION

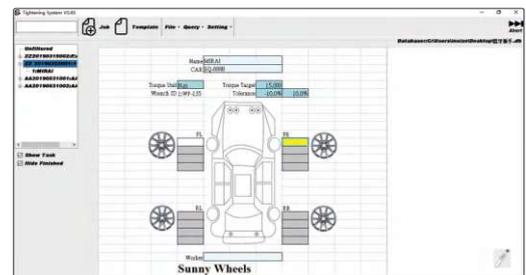
Code	IST-13WREC	IST-13WREC-PLC
Signal output to	computer	PLC
Working frequency	ISM433MHz (432.0~433.8MHz, adjustable)	
Power supply	power adapter, 24V, 0.5A	
Dimension	200×108×31mm	
Weight	500g	

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
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data transmission mode

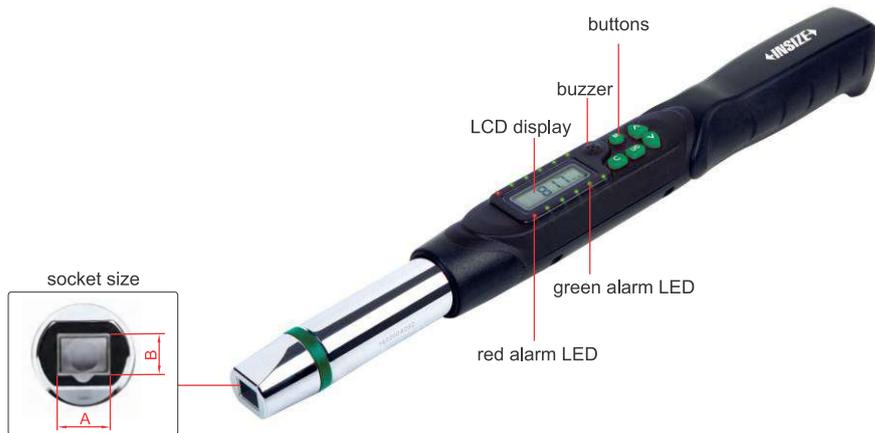


program guidance mode

SPECIFICATION

Code	Range	Accuracy	Unit	Resolution	Square driver (L)	Working frequency	Power supply	Length	Weight
IST-13W30A	6~30N.m	clockwise: $\pm 2\%$ counter-clockwise: $\pm 3\%$	N-m/ft-lb/ in-lb/kg-cm	0.01N.m	1/4"	ISM433MHz (432.0~433.8MHz, adjustable)	2×AA batteries	390mm	760g
IST-13W60A	12~60N.m			0.01N.m	3/8"			390mm	940g
IST-13W135A	27~135N.m			0.1N.m	3/8"			415mm	940g
IST-13W200A	40~200N.m			0.1N.m	1/2"			530mm	1340g
IST-13W340A	68~340N.m			0.1N.m	1/2"			650mm	1540g
IST-13W1200A	240~1200N.m	clockwise: $\pm 2.5\%$ counter-clockwise: $\pm 3.5\%$	N-m/ft-lb	1N.m	1"			1800mm	9000g
IST-13W1500A	300~1500N.m			1N.m	1"			1800mm	9000g
IST-13W2000A	400~2000N.m			1N.m	1"			1800mm	10500g

INTERCHANGEABLE HEAD BLUETOOTH DIGITAL TORQUE WRENCHES (KEYBOARD SIGNAL)



OPTIONAL ACCURACY:
CLOCKWISE: $\pm 1\%$
COUNTER-CLOCKWISE: $\pm 2\%$



IST-18W135A

Torque wrenches:

- Unit: N.m, in.lb, ft.lb, kg.cm
- Clockwise and counter-clockwise operation
- Peak and track working modes
- Can set tolerance with judgement in peak working mode
- 9 target torque values can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 80%~99.5% of target torque
 - Both green and red LED light on and buzzer sounds when torque value is over 99.5% of target torque
- Power off in 2 minutes automatically without any operations
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

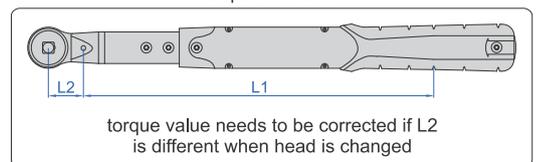
ratchet head (included)



Data transmission:

- Built-in Bluetooth 4.0 module, which can be connected with computers (with Bluetooth function), mobile phones, tablets and other devices
- Keyboard signal, can be transmitted to Excel, Word, TXT
- Transmission distance is 10 meters (no obstacles, no electromagnetic interference)
- Bluetooth connection and disconnection are respectively shown by indicator lights

torque correction



SPECIFICATION

Code	IST-18W30A	IST-18W135A	IST-18W200A	IST-18W340A
Range	6~30N.m	27~135N.m	40~200N.m	68~340N.m
Accuracy	clockwise	$\pm 2\%$		
	counter-clockwise	$\pm 3\%$		
Resolution	0.01N.m	0.1N.m	0.1N.m	0.1N.m
Socket size (A×B)	12×9mm	12×9mm	18×14mm	18×14mm
Arm length (L1)	272.7mm	287.7mm	381.2mm	501.2mm
Power supply	2×AA batteries, for 110 hours working			
Weight	1400g	1570g	2170g	2320g

RATCHET HEAD (INCLUDED) SPECIFICATION

For torque wrench	IST-18W30A	IST-18W135A	IST-18W200A	IST-18W340A
Square driver (D)	1/4"	3/8"	1/2"	1/2"
Length (L2)	29mm	29mm	40mm	40mm

To be continued

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STANDARD DELIVERY

Torque wrench	1 pc
Ratchet head	1 pc



OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE
Interchangeable head	refer to details



RATCHET HEAD (optional)

Code	Square driver (D)	Applicable wrenches
IST-2W-R1	1/4"	IST-18W30A
IST-2W-R2	3/8"	IST-18W135A
IST-2W-R3	1/2"	IST-18W135A
IST-2W-R4	1/2"	IST-18W200A IST-18W340A



ADJUSTABLE SPANNER HEAD (optional)

Code	Open size	Applicable wrenches
IST-2W-A1	5~27mm	IST-18W30A IST-18W135A
IST-2W-A2	5-30mm	IST-18W200A
IST-2W-A3	10-41mm	IST-18W340A



OPEN END HEAD (optional)

Code	Open size	Applicable wrenches
IST-2W-K7	7mm	IST-18W30A IST-18W135A
IST-2W-K8	8mm	
IST-2W-K9	9mm	
IST-2W-K10	10mm	
IST-2W-K11	11mm	
IST-2W-K12	12mm	
IST-2W-K13	13mm	
IST-2W-K14	14mm	
IST-2W-K15	15mm	
IST-2W-K16	16mm	
IST-2W-K17	17mm	IST-18W200A IST-18W340A
IST-2W-K18	18mm	
IST-2W-K19	19mm	
IST-2W-K13A	13mm	
IST-2W-K14A	14mm	
IST-2W-K15A	15mm	
IST-2W-K16A	16mm	
IST-2W-K17A	17mm	
IST-2W-K18A	18mm	
IST-2W-K19A	19mm	
IST-2W-K21A	21mm	
IST-2W-K22A	22mm	
IST-2W-K24A	24mm	
IST-2W-K27A	27mm	

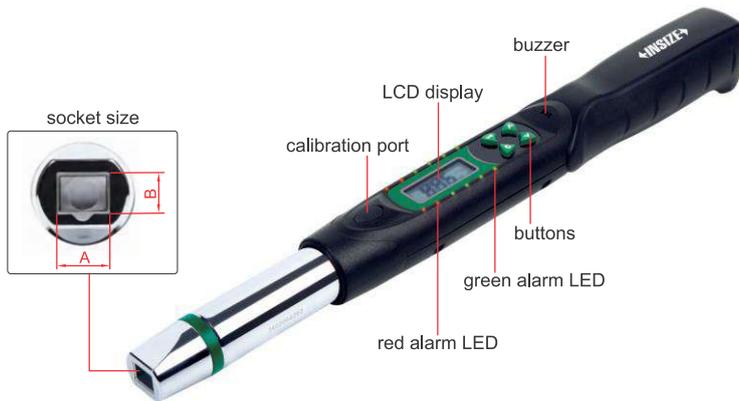
BOX END HEAD (optional)

Code	Open size	Applicable wrenches
IST-2W-M7	7mm	IST-18W30A IST-18W135A
IST-2W-M8	8mm	
IST-2W-M10	10mm	
IST-2W-M11	11mm	
IST-2W-M12	12mm	
IST-2W-M13	13mm	
IST-2W-M14	14mm	
IST-2W-M15	15mm	
IST-2W-M16	16mm	
IST-2W-M17	17mm	
IST-2W-M18	18mm	IST-18W200A IST-18W340A
IST-2W-M19	19mm	
IST-2W-M21	21mm	
IST-2W-M22	22mm	
IST-2W-M13A	13mm	
IST-2W-M14A	14mm	
IST-2W-M15A	15mm	
IST-2W-M16A	16mm	
IST-2W-M17A	17mm	
IST-2W-M18A	18mm	
IST-2W-M19A	19mm	
IST-2W-M21A	21mm	

INTERCHANGEABLE HEAD DIGITAL TORQUE WRENCHES

OPTIONAL ACCURACY:
CLOCKWISE: ±1%
COUNTER-CLOCKWISE: ±2%

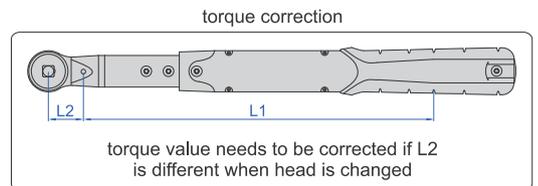
INSPECTION
CERTIFICATE



IST-2W135A

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- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm, degree
- Peak and track working modes
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
 - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off in 5 minutes automatically without any operations
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)



SPECIFICATION

Code	IST-2W30A	IST-2W135A	IST-2W200A	IST-2W340A	IST-2W410A
Range	6~30N.m	27~135N.m	40~200N.m	68~340N.m	82~410N.m
Accuracy	clockwise	±2%			
	counter-clockwise	±3%			
Resolution	0.01N.m	0.1N.m	0.1N.m	0.1N.m	0.1N.m
Socket size (A×B)	12×9mm	12×9mm	18×14mm	18×14mm	18×14mm
Arm length (L1)	272.7mm	287.7mm	381.2mm	501.2mm	501.2mm
Power supply	2xAA batteries, for 110 hours working				
Weight	1400g	1570g	2170g	2320g	2320g

STANDARD DELIVERY

Torque wrench	1 pc
Ratchet head	1 pc

OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE
Interchangeable head	refer to details

To be continued

Continued from previous page

RATCHET HEAD (INCLUDED) SPECIFICATION

For torque wrench	IST-2W30A	IST-2W135A	IST-2W200A	IST-2W340A	IST-2W410A
Square driver (D)	1/4"	3/8"	1/2"	1/2"	3/4"
Length (L2)	29mm	29mm	40mm	40mm	40mm



RATCHET HEAD (optional)

Code	Square driver (D)	Applicable wrenches
IST-2W-R1	1/4"	IST-2W30A
IST-2W-R2	3/8"	IST-2W135A
IST-2W-R3	1/2"	IST-2W135A
IST-2W-R4	1/2"	IST-2W200A IST-2W340A IST-2W410A

ADJUSTABLE SPANNER HEAD (optional)

Code	Open size	Applicable wrenches
IST-2W-A1	5-27mm	IST-2W30A IST-2W135A
IST-2W-A2	5-30mm	IST-2W200A IST-2W410A
IST-2W-A3	10-41mm	IST-2W340A IST-2W410A



OPEN END HEAD (optional)

Code	Open size	Applicable wrenches
IST-2W-K7	7mm	IST-2W30A IST-2W135A
IST-2W-K8	8mm	
IST-2W-K9	9mm	
IST-2W-K10	10mm	
IST-2W-K11	11mm	
IST-2W-K12	12mm	
IST-2W-K13	13mm	
IST-2W-K14	14mm	
IST-2W-K15	15mm	
IST-2W-K16	16mm	
IST-2W-K17	17mm	IST-2W200A IST-2W340A IST-2W410A
IST-2W-K18	18mm	
IST-2W-K19	19mm	
IST-2W-K13A	13mm	
IST-2W-K14A	14mm	
IST-2W-K15A	15mm	
IST-2W-K16A	16mm	
IST-2W-K17A	17mm	
IST-2W-K18A	18mm	
IST-2W-K19A	19mm	
IST-2W-K21A	21mm	
IST-2W-K22A	22mm	
IST-2W-K24A	24mm	
IST-2W-K27A	27mm	

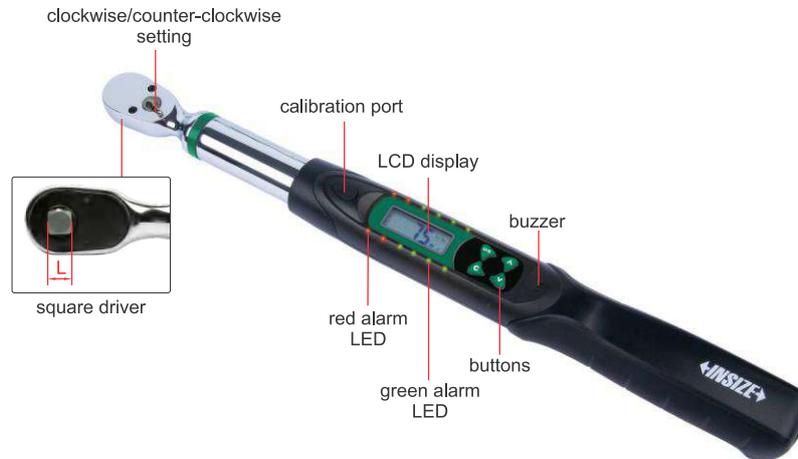
BOX END HEAD (optional)

Code	Open size	Applicable wrenches
IST-2W-M7	7mm	IST-2W30A IST-2W135A
IST-2W-M8	8mm	
IST-2W-M10	10mm	
IST-2W-M11	11mm	
IST-2W-M12	12mm	
IST-2W-M13	13mm	
IST-2W-M14	14mm	
IST-2W-M15	15mm	
IST-2W-M16	16mm	
IST-2W-M17	17mm	
IST-2W-M18	18mm	IST-2W200A IST-2W340A
IST-2W-M19	19mm	
IST-2W-M21	21mm	
IST-2W-M22	22mm	
IST-2W-M13A	13mm	
IST-2W-M14A	14mm	
IST-2W-M15A	15mm	
IST-2W-M16A	16mm	
IST-2W-M17A	17mm	
IST-2W-M18A	18mm	
IST-2W-M19A	19mm	
IST-2W-M21A	21mm	

DIGITAL ANGLE TORQUE WRENCHES



OPTIONAL ACCURACY:
CLOCKWISE: $\pm 1\%$
COUNTER-CLOCKWISE: $\pm 2\%$
ONLY FOR RANGE 6~340N.m



IST-1W135A

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- Ratchet head
- Clockwise and counter-clockwise operation
- Set the desired torque first, after reaching the desired torque, set the angle and turn the wrench at this angle to apply extra torque
- Unit: N.m, in.lb, ft.lb, kg.cm, degree
- Peak and track working mode
- Target torque or angle value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque or angle value is 90%~100% of target torque or angle
 - Both green and red LED light on and buzzer sounds when target torque or angle value is reached
- Power off in 5 minutes automatically
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)



set the desired torque first, after reaching the desired torque, set the angle and turn the wrench at this angle to apply extra torque

SPECIFICATION

Code	Range		Accuracy	Resolution		Square driver (L)	Power supply	Length	Weight
	torque	angle		torque	angle				
IST-1W30A	6~30N.m	0~999°	clockwise: $\pm 2\%$ counter-clockwise: $\pm 3\%$ $\pm 2^\circ$ (rotate 90°)	0.01N.m	1°	1/4"	2×AA batteries	390mm	830g
IST-1W135A	27~135N.m			0.1N.m		3/8"		415mm	950g
IST-1W200A	40~200N.m			0.1N.m		1/2"		530mm	1.4kg
IST-1W340A	68~340N.m			0.1N.m		1/2"		650mm	1.6kg
IST-1W500A	100~500N.m			0.1N.m		3/4"		950mm	5kg
IST-1W850A	170~850N.m		clockwise: $\pm 2.5\%$ counter-clockwise: $\pm 3.5\%$ $\pm 2^\circ$ (rotate 90°)	0.1N.m		3/4"		1220mm	6kg
IST-1W1200A	240~1200N.m			1N.m		1"		1800mm	9.1kg
IST-1W1500A	300~1500N.m			1N.m		1"		1800mm	9.1kg
IST-1W2000A	400~2000N.m			1N.m		1"		1800mm	10.5kg
				1N.m		1"		1800mm	10.5kg

OPTIONAL ACCESSORY

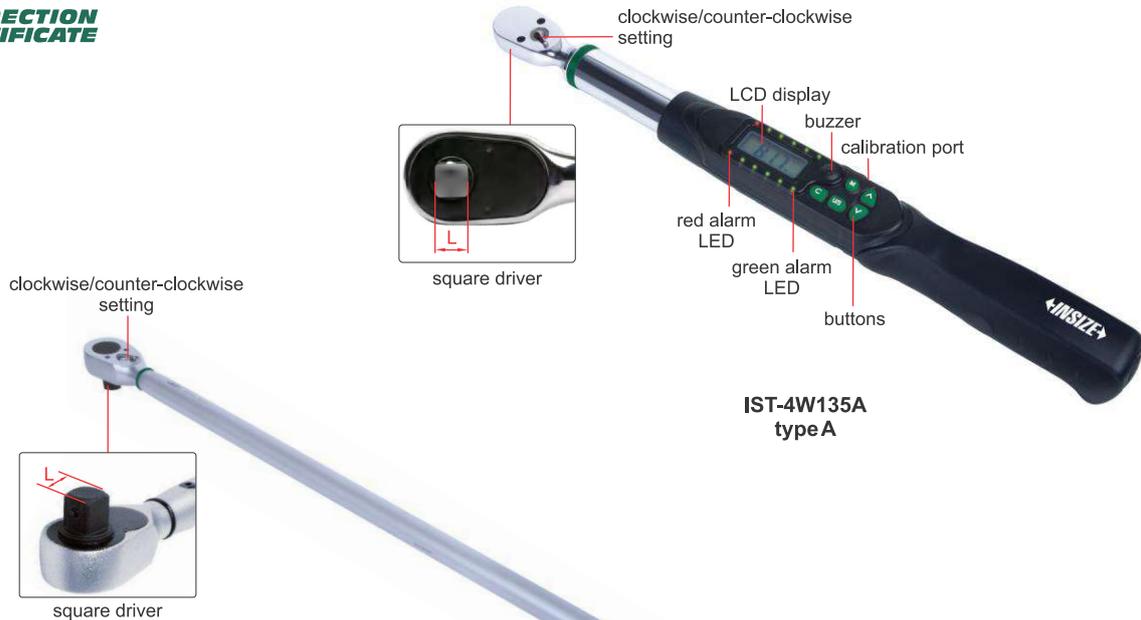
Calibration cable	IST-W-CABLE
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OPTIONAL ACCURACY:
CLOCKWISE: $\pm 1\%$
COUNTER-CLOCKWISE: $\pm 2\%$
ONLY FOR RANGE 6~340N.m

MEASURE THE TORQUE
OF TIGHTENED BOLTS

QUALITY INSPECTION TORQUE WRENCHES

**INSPECTION
CERTIFICATE**



**IST-4W135A
type A**

**IST-4W1200A
type B**

- Ratchet head
- Retighten the tightened bolts to measure the torque, read the torque value when the looseness is detected again
- Three measuring modes:
 - Angle mode: rotation angle can be set, when turning to the angle, 2 LED lights blinking and buzzer beeping, capturing torque values
 - Maximum value display mode: capturing peak torque values
 - Real-time value display mode: real-time tracking of torque values
- Unit: N.m, in.lb, ft.lb, kg.cm
- With audible and visible alarm, 9 preset usage modes
- In angle mode and maximum value mode, upper and lower tolerance limits can be set to determine pass or fail by LED lights
- Clockwise and count-clockwise operation
- Memory of 50 results
- Enter power saving mode after 2 minutes
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

SPECIFICATION

Code	Type	Range	Accuracy	Resolution	Square driver (L)	Power supply	Length	Weight
IST-4W30A	A	6~30N.m	clockwise: $\pm 2\%$ counter-clock wise: $\pm 3\%$	0.01N.m	1/4"	2×AA batteries, for 110 hours working	390mm	760g
IST-4W135A		27~135N.m		0.1N.m	3/8"		415mm	940g
IST-4W200A		40~200N.m		0.1N.m	1/2"		530mm	1340g
IST-4W340A		68~340N.m		0.1N.m	1/2"		650mm	1540g
IST-4W850A	B	170~850N.m	clockwise: $\pm 2.5\%$ counter-clock wise: $\pm 3.5\%$	0.1N.m	3/4"		1220mm	6000g
IST-4W1200A		240~1200N.m		1N.m	1"		1800mm	9100g
IST-4W1500A		300~1500N.m		1N.m	1"		1800mm	9100g
IST-4W2000A		400~2000N.m		1N.m	1"		1800mm	10500g

OPTIONAL ACCESSORY

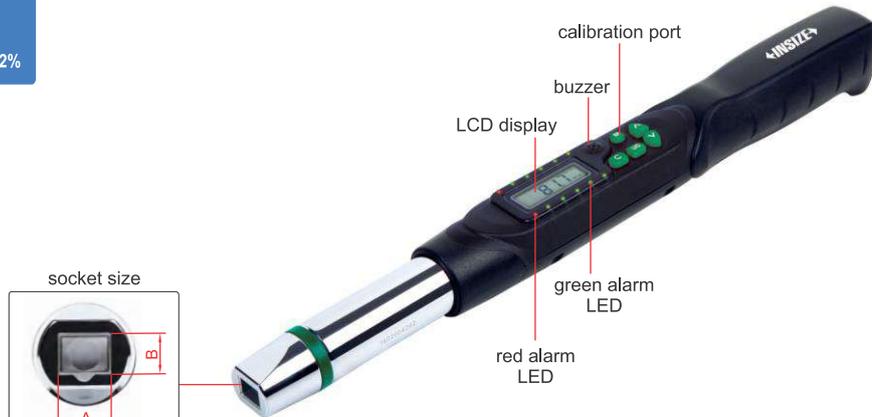
Calibration cable	IST-W-CABLE
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INTERCHANGEABLE HEAD QUALITY INSPECTION TORQUE WRENCHES



MEASURE THE TORQUE OF TIGHTENED BOLTS

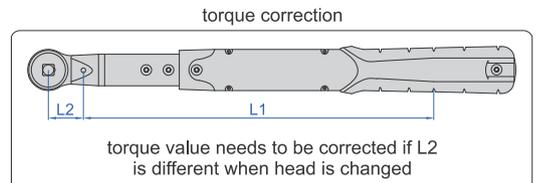
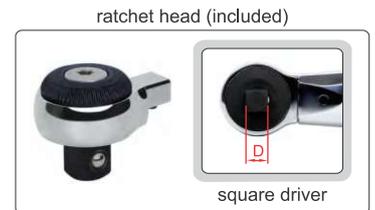
OPTIONAL ACCURACY:
CLOCKWISE: ±1%
COUNTER-CLOCKWISE: ±2%



IST-16W135A

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- Retighten the tightened bolt to measure the torque, the torque value can be displayed when the bolt is turned again
- Three measuring modes:
 - Angle mode: rotation angle can be set, when turning to the angle, 2 LED lights blinking and buzzer beeping, capturing torque values
 - Maximum value display mode: capturing peak torque values
 - Real-time value display mode: real-time tracking of torque values
- Unit: N.m, in.lb, ft.lb, kg.cm
- With audible and visible alarm, 9 preset usage modes
- In angle mode and maximum value mode, upper and lower tolerance limits can be set to determine pass or fail by LED lights
- Clockwise and count-clockwise operation
- Memory of 50 results
- Enter power saving mode after 2 minutes
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)



SPECIFICATION

Code	IST-16W30A	IST-16W135A	IST-16W200A	IST-16W340A
Range	6~30N.m	27~135N.m	40~200N.m	68~340N.m
Accuracy	clockwise	±2%		
	counter-clockwise	±3%		
Resolution	0.01N.m	0.1N.m	0.1N.m	0.1N.m
Socket size (A×B)	12×9mm	12×9mm	18×14mm	18×14mm
Arm length (L1)	272.7mm	287.7mm	381.2mm	501.2mm
Power supply	2×AA batteries			
Weight	1400g	1570g	2170g	2320g

RATCHET HEAD (INCLUDED) SPECIFICATION

For torque wrench	IST-16W30A	IST-16W135A	IST-16W200A	IST-16W340A
Square driver (D)	1/4"	3/8"	1/2"	1/2"
Length (L2)	29mm	29mm	40mm	40mm

To be continued

Continued from previous page

STANDARD DELIVERY

Torque wrench	1 pc
Ratchet head	1 pc



OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE
Interchangeable head	refer to details



RATCHET HEAD (optional)

Code	Square driver (D)	Applicable wrenches
IST-2W-R1	1/4"	IST-16W30A
IST-2W-R2	3/8"	IST-16W135A
IST-2W-R3	1/2"	IST-16W135A
IST-2W-R4	1/2"	IST-16W200A IST-16W340A



ADJUSTABLE SPANNER HEAD (optional)

Code	Open size	Applicable wrenches
IST-2W-A1	5-27mm	IST-16W135A
IST-2W-A2	5-30mm	IST-16W200A
IST-2W-A3	10-41mm	IST-16W340A



OPEN END HEAD (optional)

Code	Open size	Applicable wrenches
IST-2W-K7	7mm	IST-16W30A IST-16W135A
IST-2W-K8	8mm	
IST-2W-K9	9mm	
IST-2W-K10	10mm	
IST-2W-K11	11mm	
IST-2W-K12	12mm	
IST-2W-K13	13mm	
IST-2W-K14	14mm	
IST-2W-K15	15mm	
IST-2W-K16	16mm	
IST-2W-K17	17mm	
IST-2W-K18	18mm	
IST-2W-K19	19mm	
IST-2W-K13A	13mm	
IST-2W-K14A	14mm	
IST-2W-K15A	15mm	
IST-2W-K16A	16mm	
IST-2W-K17A	17mm	
IST-2W-K18A	18mm	
IST-2W-K19A	19mm	
IST-2W-K21A	21mm	
IST-2W-K22A	22mm	
IST-2W-K24A	24mm	
IST-2W-K27A	27mm	

BOX END HEAD (optional)

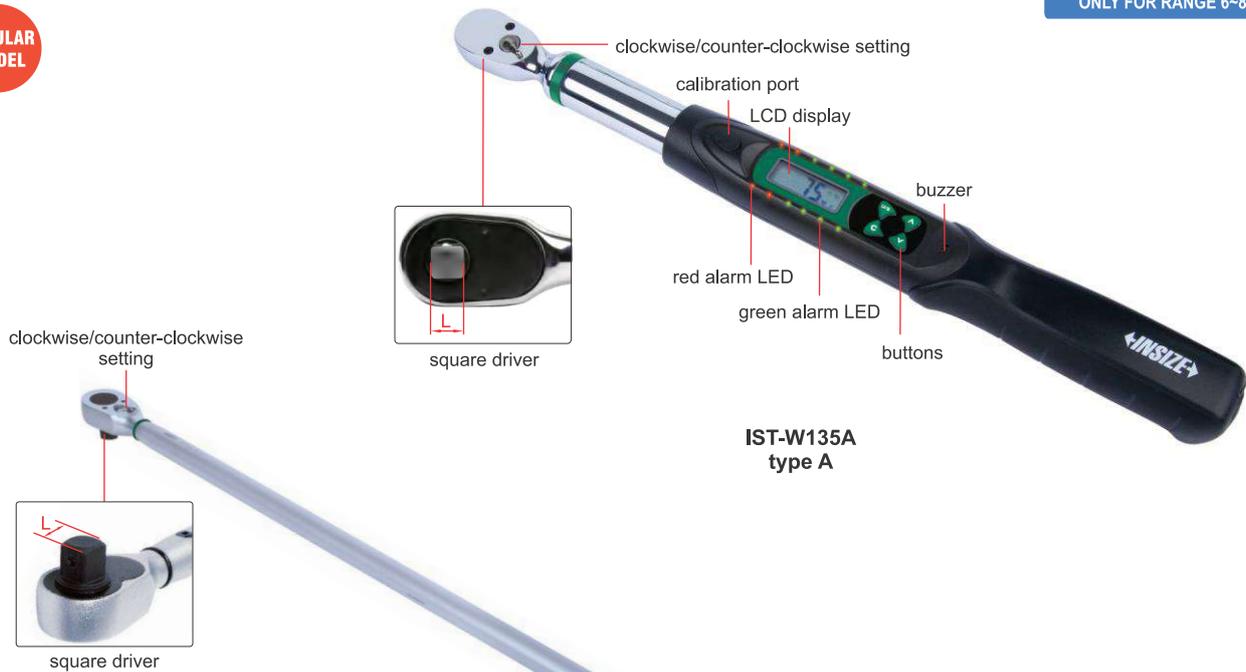
Code	Open size	Applicable wrenches
IST-2W-M7	7mm	IST-16W30A IST-16W135A
IST-2W-M8	8mm	
IST-2W-M10	10mm	
IST-2W-M11	11mm	
IST-2W-M12	12mm	
IST-2W-M13	13mm	
IST-2W-M14	14mm	
IST-2W-M15	15mm	
IST-2W-M16	16mm	
IST-2W-M17	17mm	
IST-2W-M18	18mm	
IST-2W-M19	19mm	
IST-2W-M21	21mm	
IST-2W-M22	22mm	
IST-2W-M13A	13mm	IST-16W200A IST-16W340A
IST-2W-M14A	14mm	
IST-2W-M15A	15mm	
IST-2W-M16A	16mm	
IST-2W-M17A	17mm	
IST-2W-M18A	18mm	
IST-2W-M19A	19mm	
IST-2W-M21A	21mm	

DIGITAL TORQUE WRENCHES



OPTIONAL ACCURACY:
CLOCKWISE: $\pm 1\%$
COUNTER-CLOCKWISE: $\pm 2\%$
ONLY FOR RANGE 6~850N.m

POPULAR
MODEL



IST-W135A
type A



IST-W1200A
type B

- Ratchet head
- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak and track working mode
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
 - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)

SPECIFICATION

Code	Type	Range	Accuracy	Resolution	Square driver (L)	Power supply	Length	Weight
IST-W30A	A	6~30N.m	clockwise: $\pm 2\%$ counter-clock wise: $\pm 3\%$	0.01N.m	1/4"	2xAA batteries, for 110 hours working	390mm	830g
IST-W135A		27~135N.m		0.1N.m	3/8"		415mm	950g
IST-W200A		40~200N.m		0.1N.m	1/2"		530mm	1.4kg
IST-W340A		68~340N.m		0.1N.m	1/2"		650mm	1.6kg
IST-W500A*	B	100~500N.m	clockwise: $\pm 2.5\%$ counter-clock wise: $\pm 3.5\%$	0.1N.m	3/4"		1285mm	7kg
IST-W850A		170~850N.m		0.1N.m	3/4"		1295mm	6kg
IST-W1200A		240~1200N.m		1N.m	1"		1920mm	13kg
IST-W1500A		300~1500N.m		1N.m	1"		1920mm	13kg
IST-W2000A		400~2000N.m		1N.m	1"	1920mm	14kg	

OPTIONAL ACCESSORY

Calibration cable IST-W-CABLE

* The accuracy of this code is not optional



SWING-HEAD DIGITAL TORQUE WRENCHES

OPTIONAL ACCURACY:
CLOCKWISE: $\pm 1\%$
COUNTER-CLOCKWISE: $\pm 2\%$

- Ratchet head
- Unit: N.m, in.lb, ft.lb, kg.cm
- Clockwise and count-clockwise operation
- Peak and track working mode
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
 - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)



IST-21W135A

OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE
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SPECIFICATION

Code	IST-21W30A	IST-21W135A	IST-21W200A	IST-21W340A
Range	6~30N.m	27~135N.m	40~200N.m	68~340N.m
Accuracy	clockwise: $\pm 2\%$ (when ratchet head is flush with grip) counter-clockwise: $\pm 3\%$ (when ratchet head is flush with grip)			
Resolution	0.01N.m	0.1N.m	0.1N.m	0.1N.m
Square driver (L)	1/4"	3/8"	1/2"	1/2"
Power supply	2xAA batteries			
Length	390mm	415mm	530mm	650mm
Weight	760g	940g	1340g	1540g



swing-head ratchet head



ADJUSTABLE OPEN HEAD DIGITAL TORQUE WRENCHES

ATTENTION: CLOCKWISE OPERATION ONLY

- The movable jaw of the adjustable open head has a protruding positioning design to ensure accuracy
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak and track working mode
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
 - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)



IST-24W135A26

OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE
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SPECIFICATION

Code	IST-24W60A26	IST-24W85A26	IST-24W135A26	IST-24W135A30	IST-24W200A30	IST-24W200A41	IST-24W340A41
Range	12~60N.m	17~85N.m	27~135N.m	27~135N.m	40~200N.m	40~200N.m	68~340N.m
Adjustable open range	5~26mm	5~26mm	5~26mm	5~30mm	5~30mm	10~41mm	10~41mm
Accuracy	clockwise: $\pm 3\%$						
Resolution	0.01N.m	0.1N.m	0.1N.m	0.1N.m	0.1N.m	0.1N.m	0.1N.m
Power supply	2xAA batteries						
Length	428mm	428mm	428mm	525mm	525mm	650mm	650mm
Weight	1190g	1190g	1190g	1400g	1400g	1600g	1600g

MECHANICAL TORQUE WRENCHES (DIGITAL SETTING)

ATTENTION: DISPLAY PRE-SET TORQUE VALUE (NOT REAL TIME TORQUE)

ATTENTION: CLOCKWISE OPERATION ONLY



- Ratchet head
- Unit: N.m, in.lb, ft.lb, kg.cm
- Mechanical "click" torque wrench, the pre-set torque value is shown on the display

SPECIFICATION

Code	IST-19WM60	IST-19WM100	IST-19WM140	IST-19WM200	IST-19WM300
Range (clockwise)	12~60N.m	20~100N.m	28~140N.m	40~200N.m	60~300N.m
Accuracy	±3%	±3%	±3%	±3%	±3%
Resolution	0.1N.m	0.1N.m	0.1N.m	0.1N.m	0.1N.m
Square driver (D)	3/8"	3/8"	1/2"	1/2"	1/2"
Length	382mm	450mm	481mm	520mm	585mm
Weight	1.3kg	1.4kg	1.45kg	1.6kg	1.8kg

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INTERCHANGEABLE HEAD MECHANICAL TORQUE WRENCHES (DIGITAL SETTING)

ATTENTION: DISPLAY PRE-SET TORQUE VALUE (NOT REAL TIME TORQUE)

ATTENTION: CLOCKWISE OPERATION ONLY



- Unit: N.m, in.lb, ft.lb, kg.cm
- Mechanical "click" torque wrench, the pre-set torque value is shown on the display

SPECIFICATION

Code	IST-25WM60	IST-25WM100	IST-25WM140	IST-25WM200	IST-25WM300
Range (clockwise)	12~60N.m	20~100N.m	28~140N.m	40~200N.m	60~300N.m
Accuracy	±3%	±3%	±3%	±3%	±3%
Resolution	0.1N.m	0.1N.m	0.1N.m	0.1N.m	0.1N.m
Socket size (A×B)	12×9mm	12×9mm	18×14mm	18×14mm	18×14mm
Length	408mm	431mm	492mm	510mm	568mm
Weight	1.3kg	1.4kg	1.45kg	1.5kg	1.7kg

To be continued

Continued from previous page



RATCHET HEAD (optional)

Code	Square driver	Applicable wrenches
IST-11WM-R1	1/4"	IST-25WM60 IST-25WM100
IST-11WM-R2	3/8"	IST-25WM60 IST-25WM100
IST-11WM-R3	1/2"	IST-25WM140 IST-25WM200 IST-25WM300
IST-11WM-R4	3/4"	IST-25WM140 IST-25WM200 IST-25WM300



HOOK HEAD (optional)

Hook head	customized according to customer requirements
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BOX END HEAD (optional)

Code	Open size	Applicable wrenches
IST-11WM-M8	8mm	IST-25WM60 IST-25WM100
IST-11WM-M10	10mm	
IST-11WM-M13	13mm	
IST-11WM-M14	14mm	
IST-11WM-M15	15mm	
IST-11WM-M17	17mm	
IST-11WM-M19	19mm	
IST-11WM-M13A	13mm	IST-25WM140 IST-25WM200
IST-11WM-M14A	14mm	
IST-11WM-M15A	15mm	
IST-11WM-M17A	17mm	
IST-11WM-M19A	19mm	
IST-11WM-M22A	22mm	
IST-11WM-M24A	24mm	
IST-11WM-M27A	27mm	
IST-11WM-M30A	30mm	
IST-11WM-M32A	32mm	

OPEN END HEAD (optional)

Code	Open size	Applicable wrenches	
IST-11WM-K6	6mm	IST-25WM60 IST-25WM100	
IST-11WM-K7	7mm		
IST-11WM-K8	8mm		
IST-11WM-K9	9mm		
IST-11WM-K10	10mm		
IST-11WM-K11	11mm		
IST-11WM-K12	12mm		
IST-11WM-K13	13mm		
IST-11WM-K14	14mm		
IST-11WM-K15	15mm		
IST-11WM-K16	16mm		
IST-11WM-K17	17mm		
IST-11WM-K18*	18mm		
IST-11WM-K19*	19mm		
IST-11WM-K13A	13mm		IST-25WM140 IST-25WM200 IST-25WM300
IST-11WM-K14A	14mm		
IST-11WM-K15A	15mm		
IST-11WM-K16A	16mm		
IST-11WM-K17A	17mm		
IST-11WM-K18A	18mm		
IST-11WM-K19A	19mm		
IST-11WM-K20A	20mm		
IST-11WM-K21A	21mm		
IST-11WM-K22A	22mm		
IST-11WM-K23A	23mm		
IST-11WM-K24A	24mm		
IST-11WM-K27A*	27mm		
IST-11WM-K30A*	30mm		
IST-11WM-K32A*	32mm		

*Torque value needs to be corrected for these heads

TORQUE WRENCHES

ATTENTION: CLOCKWISE
OPERATION ONLY

INSPECTION
CERTIFICATE



POPULAR
MODEL

IST-28WM200

- According to DIN ISO 6789, ASME B107.300
- Ratchet head
- Dual window design with clear scale
- Non-slip grip handle
- Push-pull locking device, easy to operate

SPECIFICATION

Code	IST-28WM25	IST-28WM50	IST-28WM60	IST-28WM100	IST-28WM150
Range (clockwise)	5~25N.m	10~50N.m	10~60N.m	20~100N.m	30~150N.m
Accuracy	±3%	±3%	±3%	±3%	±3%
Graduation	0.2N.m	0.5N.m	0.5N.m	0.5N.m	1N.m
Square driver (D)	1/4"	3/8"	3/8"	1/2"	1/2"
Length	321mm	387mm	387mm	433mm	463mm
Weight	820g	1000g	1000g	1100g	1200g

Code	IST-28WM200	IST-28WM300	IST-28WM340	IST-28WM400
Range (clockwise)	40~200N.m	60~300N.m	60~340N.m	80~400N.m
Accuracy	±3%	±3%	±3%	±3%
Graduation	1N.m	1.5N.m	2N.m	2N.m
Square driver (D)	1/2"	1/2"	1/2"	1/2"
Length	491mm	551mm	551mm	700mm
Weight	1250g	1400g	1400g	1650g

Code	IST-28WM550	IST-28WM750	IST-28WM1000	IST-28WM1500
Range (clockwise)	100~550N.m	150~750N.m	200~1000N.m	300~1500N.m
Accuracy	±3% (≤500N.m) ±4% (>500N.m)	±3% (≤500N.m) ±4% (>500N.m)	±3% (≤500N.m) ±4% (>500N.m)	±3% (≤500N.m) ±4% (>500N.m)
Graduation	3N.m	5N.m	5N.m	10N.m
Square driver (D)	3/4"	3/4"	3/4"	1"
Length	807mm	1105mm	1105mm	1260mm
Weight	3100g	4000g	4000g	4500g

ATTENTION: CLOCKWISE OPERATION ONLY

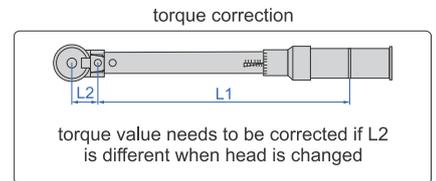
INTERCHANGEABLE HEAD TORQUE WRENCHES

INSPECTION CERTIFICATE



IST-29WM200

- According to DIN ISO 6789, ASME B107.300
- Non-slip grip handle
- Push-pull locking device, easy to operate
- Dual window design with clear scale



SPECIFICATION

Code	Range (clockwise)	Accuracy	Graduation	Socket Size (A×B)	Length	Weight
IST-29WM25	5~25N.m	±3%	0.2N.m	12×9mm	315mm	700g
IST-29WM50	10~50N.m	±3%	0.5N.m	12×9mm	376mm	820g
IST-29WM60	10~60N.m	±3%	0.5N.m	12×9mm	376mm	820g
IST-29WM100	20~100N.m	±3%	0.5N.m	12×9mm	417mm	900g
IST-29WM150	30~150N.m	±3%	1N.m	18×14mm	460mm	1150g
IST-29WM200	40~200N.m	±3%	1N.m	18×14mm	478mm	1200g
IST-29WM300	60~300N.m	±3%	1.5N.m	18×14mm	538mm	1200g
IST-29WM400	80~400N.m	±3%	2N.m	18×14mm	694mm	1600g
IST-29WM550	100~550N.m	±3% (≤500N.m) ±4% (>500N.m)	3N.m	32×24mm	919mm	2000g
IST-29WM750	150~750N.m	±3% (≤500N.m) ±4% (>500N.m)	5N.m	32×24mm	1070mm	4000g
IST-29WM850	200~850N.m	±3% (≤500N.m) ±4% (>500N.m)	5N.m	32×24mm	1137mm	4200g



RATCHET HEAD (optional)

Code	Square driver	Applicable wrenches
IST-11WM-R1	1/4"	IST-29WM25
IST-11WM-R2	3/8"	IST-29WM25, IST-29WM50, IST-29WM60, IST-29WM100
IST-11WM-R3	1/2"	IST-29WM150, IST-29WM200, IST-29WM300, IST-29WM400
IST-11WM-R4	3/4"	IST-29WM150, IST-29WM200, IST-29WM300, IST-29WM400
IST-11WM-R5	3/4"	IST-29WM550, IST-29WM750, IST-29WM850

To be continued

Continued from previous page

type A (optional)



type C (optional)



type O (optional)



ER WRENCH HEAD (optional)

- Type C *
- Type UM *
- Type M *
- Type O *
- Type A *

customized according to customer requirements

type UM (optional)



type M (optional)



OPEN END HEAD (optional)

Code	Open size	Applicable wrenches
IST-11WM-K8	8mm	IST-29WM25 IST-29WM50 IST-29WM60 IST-29WM100
IST-11WM-K10	10mm	
IST-11WM-K13	13mm	
IST-11WM-K14	14mm	
IST-11WM-K15	15mm	
IST-11WM-K17	17mm	
IST-11WM-K19*	19mm	
IST-11WM-K13A	13mm	IST-29WM150 IST-29WM200 IST-29WM300 IST-29WM400
IST-11WM-K14A	14mm	
IST-11WM-K15A	15mm	
IST-11WM-K17A	17mm	
IST-11WM-K19A	19mm	
IST-11WM-K22A	22mm	
IST-11WM-K24A	24mm	
IST-11WM-K27A*	27mm	
IST-11WM-K30A*	30mm	
IST-11WM-K32A*	32mm	
IST-11WM-K22B	22mm	IST-29WM550 IST-29WM750 IST-29WM850
IST-11WM-K24B	24mm	
IST-11WM-K27B	27mm	
IST-11WM-K28B	28mm	
IST-11WM-K30B	30mm	
IST-11WM-K32B	32mm	
IST-11WM-K33B*	33mm	
IST-11WM-K36B*	36mm	
IST-11WM-K38B*	38mm	
IST-11WM-K40B*	40mm	

BOX END HEAD (optional)

Code	Open size	Applicable wrenches	
IST-11WM-M8	8mm	IST-29WM25 IST-29WM50 IST-29WM60 IST-29WM100	
IST-11WM-M10	10mm		
IST-11WM-M13	13mm		
IST-11WM-M14	14mm		
IST-11WM-M15	15mm		
IST-11WM-M17	17mm		
IST-11WM-M19	19mm		
IST-11WM-M13A	13mm		IST-29WM150 IST-29WM200 IST-29WM300 IST-29WM400
IST-11WM-M14A	14mm		
IST-11WM-M15A	15mm		
IST-11WM-M17A	17mm		
IST-11WM-M19A	19mm		
IST-11WM-M22A	22mm		
IST-11WM-M24A	24mm		
IST-11WM-M27A*	27mm		
IST-11WM-M30A*	30mm		
IST-11WM-M32A*	32mm		
IST-11WM-M22B	22mm	IST-29WM550 IST-29WM750 IST-29WM850	
IST-11WM-M24B	24mm		
IST-11WM-K27B	27mm		
IST-11WM-M28B	28mm		
IST-11WM-M30B	30mm		
IST-11WM-M32B	32mm		
IST-11WM-M33B	33mm		
IST-11WM-M36B*	36mm		
IST-11WM-M38B*	38mm		
IST-11WM-M40B*	40mm		

*Torque value needs to be corrected for these heads

ATTENTION: CLOCKWISE OPERATION ONLY



TORQUE WRENCHES



- Ratchet head
- According to DIN ISO 6789, ASME B107.300
- All-metal construction, sturdy and durable



IST-9WM200

SPECIFICATION

Code	IST-9WM12	IST-9WM20	IST-9WM30	IST-9WM60	IST-9WM100
Range (clockwise)	2.5~12N.m	4~20N.m	6~30N.m	10~60N.m	20~100N.m
Accuracy	±3%	±3%	±3%	±3%	±3%
Graduation	0.1N.m	0.1N.m	0.2N.m	0.5N.m	0.5N.m
Square driver (D)	1/4"	1/4"	3/8"	3/8"	1/2"
Length	290mm	290mm	318mm	388mm	443mm
Weight	680g	680g	820g	960g	1040g

Code	IST-9WM125	IST-9WM200	IST-9WM335	IST-9WM500	IST-9WM800
Range (clockwise)	25~125N.m	40~200N.m	65~335N.m	100~500N.m	160~800N.m
Accuracy	±3%	±3%	±3%	±3%	±3% (≤500N.m) ±4% (>500N.m)
Graduation	0.5N.m	1N.m	1N.m	2.5N.m	4N.m
Square driver (D)	1/2"	1/2"	1/2"	3/4"	3/4"
Length	443mm	468mm	528mm	855mm	1055mm
Weight	1040g	1160g	1300g	5000g	5900g

Code	IST-9WM1000	IST-9WM1500	IST-9WM2000	IST-9WM3000
Range (clockwise)	200~1000N.m	300~1500N.m	400~2000N.m	600~3000N.m
Accuracy	±3% (≤500N.m) ±4% (>500N.m)	±3% (≤500N.m) ±4% (>500N.m)	±3% (≤500N.m) ±4% (>500N.m)	±4%
Graduation	5N.m	5N.m	10N.m	15N.m
Square driver (D)	3/4"	1"	1"	1"
Length	1055mm	1260mm	1260mm	1260mm
Weight	5900g	9200g	9200g	10500g

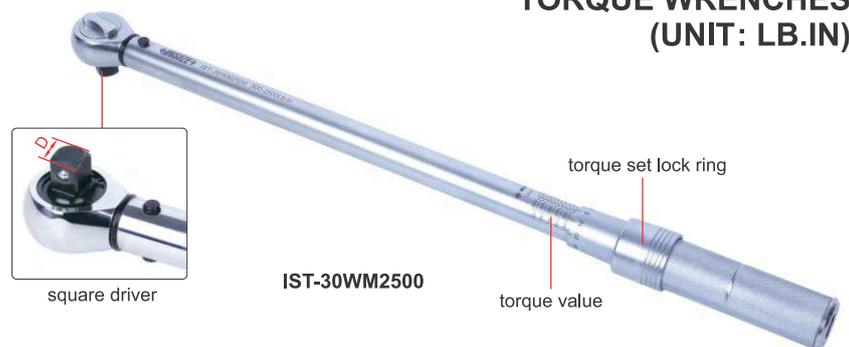
ATTENTION: CLOCKWISE OPERATION ONLY



TORQUE WRENCHES (UNIT: LB.IN)



- Ratchet head
- According to DIN ISO 6789, ASME B107.300
- All-metal construction, sturdy and durable



IST-30WM2500

SPECIFICATION

Code	Range (clockwise)	Accuracy	Graduation	Square driver (D)	Length	Weight
IST-30WM50	10~50lb.in	±4%	0.5lb.in	1/4"	183mm	320g
IST-30WM100	20~100lb.in		1lb.in	1/4"	195mm	340g
IST-30WM150	30~150lb.in		1.5lb.in	1/4"	207mm	360g
IST-30WM200	40~200lb.in		1lb.in	1/4"	280mm	680g
IST-30WM250	50~250lb.in		1lb.in	3/8"	315mm	820g
IST-30WM500	100~500lb.in		1lb.in	3/8"	390mm	940g
IST-30WM750	150~750lb.in		1.5lb.in	3/8"	428mm	1040g
IST-30WM1000	200~1000lb.in		2.5lb.in	3/8"	441mm	1130g
IST-30WM2500	500~2500lb.in		10lb.in	1/2"	525mm	1300g

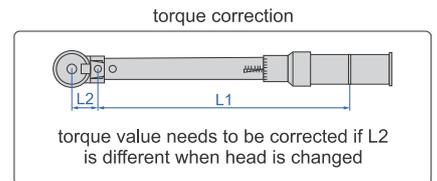
INTERCHANGEABLE HEAD TORQUE WRENCHES

ATTENTION: CLOCKWISE OPERATION ONLY

INSPECTION CERTIFICATE



IST-11WM200



- According to DIN ISO 6789, ASME B107.300
- All-metal construction, sturdy and durable

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SPECIFICATION

Code	Range (clockwise)	Accuracy	Graduation	Socket size (A×B)	Arm length (L1)	Length (L2)	Weight
IST-11WM12	2.5~12N.m	±3%	0.05N.m	12×9mm	225mm	28.42mm	580g
IST-11WM30	6.0~30N.m	±3%	0.1N.m	12×9mm	243mm	28.42mm	720g
IST-11WM60	10~60N.m	±3%	0.5N.m	12×9mm	314mm	28.42mm	860g
IST-11WM125	25~125N.m	±3%	0.5N.m	12×9mm	367mm	28.42mm	940g
IST-11WM200	40~200N.m	±3%	1N.m	18×14mm	402mm	38.97mm	1060g
IST-11WM335	65~335N.m	±3%	1N.m	18×14mm	458mm	38.97mm	1200g
IST-11WM500	100~500N.m	±3%	2.5N.m	32×24mm	734mm	59mm	5000g
IST-11WM800	160~800N.m	±3% (≤500N.m) ±4% (>500N.m)	4N.m	32×24mm	934mm	59mm	5900g
IST-11WM1000	200~1000N.m	±3% (≤500N.m) ±4% (>500N.m)	5N.m	32×24mm	934mm	59mm	5900g
IST-11WM1500	300~1500N.m	±3% (≤500N.m) ±4% (>500N.m)	5N.m	36×27mm	1128mm	74mm	9000g
IST-11WM2000	400~2000N.m	±3% (≤500N.m) ±4% (>500N.m)	10N.m	36×27mm	1128mm	74mm	9000g
IST-11WM3000	600~3000N.m	±4%	15N.m	36×27mm	1136mm	74mm	10300g

type A (optional)



type C (optional)



type O (optional)



ER WRENCH HEAD (optional)

Type C	customized according to customer requirements
Type UM	
Type M	
Type O	
Type A	

type UM (optional)



type M (optional)



To be continued

Continued from previous page



RATCHET HEAD (optional)

Code	Square driver	Applicable wrenches
IST-11WM-R1	1/4"	IST-11WM12, IST-11WM30
IST-11WM-R2	3/8"	IST-11WM12, IST-11WM30, IST-11WM60, IST-11WM125
IST-11WM-R3	1/2"	IST-11WM200, IST-11WM335
IST-11WM-R4	3/4"	IST-11WM200, IST-11WM335
IST-11WM-R5	3/4"	IST-11WM500, IST-11WM800, IST-11WM1000
IST-11WM-R6	1"	IST-11WM1500, IST-11WM2000, IST-11WM3000



OPEN END HEAD (optional)

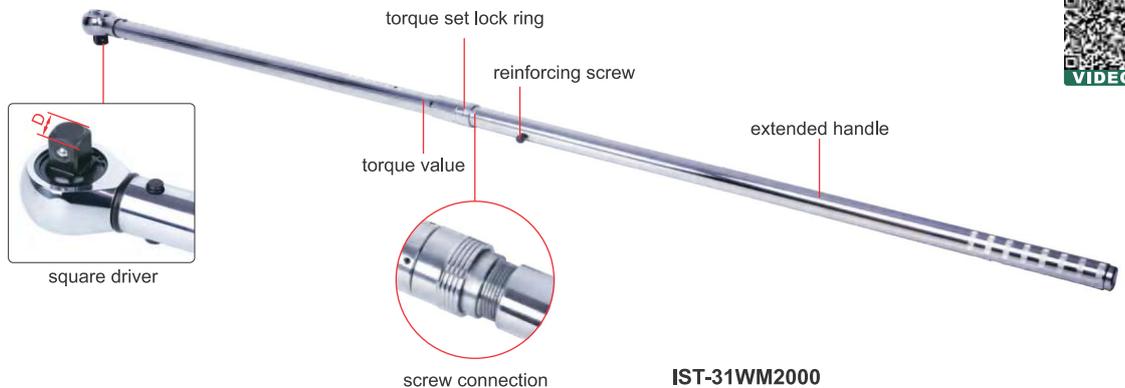
Code	Open size	Applicable wrenches
IST-11WM-K8	8mm	IST-11WM12 IST-11WM30 IST-11WM60 IST-11WM125
IST-11WM-K10	10mm	
IST-11WM-K13	13mm	
IST-11WM-K14	14mm	
IST-11WM-K15	15mm	
IST-11WM-K17	17mm	
IST-11WM-K19*	19mm	
IST-11WM-K13A	13mm	IST-11WM200 IST-11WM335
IST-11WM-K14A	14mm	
IST-11WM-K15A	15mm	
IST-11WM-K17A	17mm	
IST-11WM-K19A	19mm	
IST-11WM-K22A	22mm	
IST-11WM-K24A	24mm	
IST-11WM-K27A*	27mm	
IST-11WM-K30A*	30mm	
IST-11WM-K32A*	32mm	
IST-11WM-K22B	22mm	IST-11WM500 IST-11WM800 IST-11WM1000
IST-11WM-K24B	24mm	
IST-11WM-K27B	27mm	
IST-11WM-K28B	28mm	
IST-11WM-K30B	30mm	
IST-11WM-K32B	32mm	
IST-11WM-K33B*	33mm	
IST-11WM-K36B*	36mm	
IST-11WM-K38B*	38mm	
IST-11WM-K40B*	40mm	
IST-11WM-K30C	30mm	IST-11WM1500 IST-11WM2000 IST-11WM3000
IST-11WM-K32C	32mm	
IST-11WM-K34C	34mm	
IST-11WM-K36C	36mm	
IST-11WM-K38C	38mm	
IST-11WM-K41C	41mm	
IST-11WM-K45C	45mm	
IST-11WM-K50C*	50mm	
IST-11WM-K55C*	55mm	
IST-11WM-K60C*	60mm	

BOX END HEAD (optional)

Code	Open size	Applicable wrenches
IST-11WM-M8	8mm	IST-11WM12 IST-11WM30 IST-11WM60 IST-11WM125
IST-11WM-M10	10mm	
IST-11WM-M13	13mm	
IST-11WM-M14	14mm	
IST-11WM-M15	15mm	
IST-11WM-M17	17mm	
IST-11WM-M19	19mm	
IST-11WM-M13A	13mm	IST-11WM200 IST-11WM335
IST-11WM-M14A	14mm	
IST-11WM-M15A	15mm	
IST-11WM-M17A	17mm	
IST-11WM-M19A	19mm	
IST-11WM-M22A	22mm	
IST-11WM-M24A	24mm	
IST-11WM-M27A*	27mm	
IST-11WM-M30A*	30mm	
IST-11WM-M32A*	32mm	
IST-11WM-M22B	22mm	IST-11WM500 IST-11WM800 IST-11WM1000
IST-11WM-M24B	24mm	
IST-11WM-K27B	27mm	
IST-11WM-M28B	28mm	
IST-11WM-M30B	30mm	
IST-11WM-M32B	32mm	
IST-11WM-M33B	33mm	
IST-11WM-M36B*	36mm	
IST-11WM-M38B*	38mm	
IST-11WM-M40B*	40mm	
IST-11WM-M30C	30mm	IST-11WM1500 IST-11WM2000 IST-11WM3000
IST-11WM-M32C	32mm	
IST-11WM-M34C	34mm	
IST-11WM-M36C	36mm	
IST-11WM-M38C	38mm	
IST-11WM-M41C	41mm	
IST-11WM-M45C	45mm	
IST-11WM-M50C	50mm	
IST-11WM-M55C*	55mm	
IST-11WM-M60C*	60mm	

*Torque value needs to be corrected for these heads

EXTENDED HANDLE TORQUE WRENCHES



ATTENTION: CLOCKWISE OPERATION ONLY

ATTENTION: MUST BE USED WITH EXTENDED HANDLE



- Ratchet head
- According to DIN ISO 6789, ASME B107.300
- All-metal construction, sturdy and durable
- Extended handle for less force

IST-31WM2000

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SPECIFICATION

Code	Range (clockwise)	Accuracy	Graduation	Square driver (D)	Length	Weight
IST-31WM1500	300~1500N.m	±4%	5N.m	1"	2200mm	12100g
IST-31WM2000	400~2000N.m		10N.m	1"	2200mm	12100g
IST-31WM3000	600~3000N.m		15N.m	1"	2780mm	15500g

EXTENDED HANDLE INTERCHANGEABLE HEAD TORQUE WRENCHES



ATTENTION: CLOCKWISE OPERATION ONLY

ATTENTION: MUST BE USED WITH EXTENDED HANDLE



- According to DIN ISO 6789, ASME B107.300
- All-metal construction, sturdy and durable
- Extended handle for less force

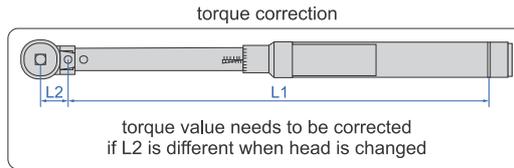
IST-32WM2000

SPECIFICATION

Code	Range (clockwise)	Accuracy	Graduation	Socket size (A×B)	Length	Weight
IST-32WM1500	300~1500N.m	±4%	5N.m	36×27mm	2200mm	12500g
IST-32WM2000	400~2000N.m		10N.m	36×27mm	2200mm	12500g
IST-32WM3000	600~3000N.m		15N.m	36×27mm	2780mm	15300g

To be continued

Continued from previous page



type A (optional)



type C (optional)



type O (optional)



ER WRENCH HEAD (optional)

Type C *	customized according to customer requirements
Type UM *	
Type M *	
Type O *	
Type A *	

type UM (optional)



type M (optional)



RATCHET HEAD (optional)

Code	Square driver	Applicable wrenches
IST-11WM-R6	1"	IST-32WM1500, IST-32WM2000, IST-32WM3000



OPEN END HEAD (optional)

Code	Open size	Applicable wrenches
IST-11WM-K30C	30mm	IST-32WM1500 IST-32WM2000 IST-32WM3000
IST-11WM-K32C	32mm	
IST-11WM-K34C	34mm	
IST-11WM-K36C	36mm	
IST-11WM-K38C	38mm	
IST-11WM-K41C	41mm	
IST-11WM-K45C	45mm	
IST-11WM-K50C*	50mm	
IST-11WM-K55C*	55mm	
IST-11WM-K60C*	60mm	

BOX END HEAD (optional)

Code	Open size	Applicable wrenches
IST-11WM-M30C	30mm	IST-32WM1500 IST-32WM2000 IST-32WM3000
IST-11WM-M32C	32mm	
IST-11WM-M34C	34mm	
IST-11WM-M36C	36mm	
IST-11WM-M38C	38mm	
IST-11WM-M41C	41mm	
IST-11WM-M45C	45mm	
IST-11WM-M50C	50mm	
IST-11WM-M55C*	55mm	
IST-11WM-M60C*	60mm	

*Torque value needs to be corrected for these heads

PRESET TORQUE WRENCHES

ATTENTION: CLOCKWISE OPERATION ONLY



- Ratchet head
- Torque is preset, to prevent adjustment by mistake during use
- The torque is set at the factory before delivery. Customers can also set the torque with torque adjustment tool (**IST-PW-TOOL, optional**) and digital torque testers (**IST-TT□□□, optional**)
- Clockwise operation only



SPECIFICATION

Code	IST-PW12	IST-PW20	IST-PW30	IST-PW60
Adjustable range*	2.5~12N.m 22~105in.lb	4~20N.m 36~175in.lb	6~30N.m 55~265in.lb	10~60N.m 8~44ft.lb
Accuracy	±3%	±3%	±3%	±3%
Square driver (D)	1/4"	1/4"	3/8"	3/8"
Length	184mm	184mm	214mm	255mm
Weight	450g	450g	500g	560g

Code	IST-PW125	IST-PW200	IST-PW340	IST-PW500
Adjustable range*	25~125N.m 20~90ft.lb	40~200N.m 30~145ft.lb	65~340N.m 50~250ft.lb	100~500N.m 75~365ft.lb
Accuracy	±3%	±3%	±3%	±3%
Square driver (D)	3/8"	1/2"	1/2"	3/4"
Length	366mm	457mm	691mm	910mm
Weight	790g	1200g	1960g	2800g

Code	IST-PW650	IST-PW800	IST-PW1000A	IST-PW1000B
Adjustable range*	150~650N.m 110~475ft.lb	160~800N.m 120~585ft.lb	200~1000N.m 150~735ft.lb	200~1000N.m 150~735ft.lb
Accuracy	±4%	±4%	±4%	±4%
Square driver (D)	3/4"	3/4"	3/4"	1"
Length	910mm	1037mm	1265mm	1265mm
Weight	2800g	5000g	6000g	6000g

OPTIONAL ACCESSORY

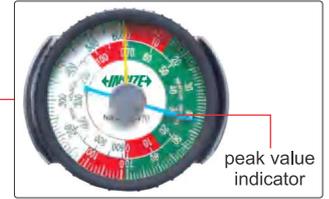
Torque adjustment tool	IST-PW-TOOL
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* Adjust to a fixed torque value according to customer requirements before delivery



DIAL TORQUE WRENCHES

dial with metric and inch scales



square driver

IST-DW70

- Clockwise and counter-clockwise operation
- According to DIN ISO 6789, ASME B107.300

SPECIFICATION

Code	IST-DW1D8	IST-DW3D5	IST-DW9	IST-DW18	IST-DW35
Range	0.36~1.8N.m 3~16in.lb	0.7~3.5N.m 6~30in.lb	1.8~9N.m 15~75in.lb	3.6~18N.m 30~150in.lb	7~35N.m 60~300in.lb
Accuracy	±4%	±4%	±4%	±4%	±4%
Graduation	0.02N.m 0.2in.lb	0.05N.m 0.5in.lb	0.1N.m 1in.lb	0.2N.m 2in.lb	0.5N.m 5in.lb
Square driver (D)	1/4"	1/4"	1/4"	3/8"	3/8"
Length	254mm	254mm	254mm	254mm	254mm
Weight	480g	480g	480g	480g	480g

Code	IST-DW70	IST-DW140	IST-DW240	IST-DW350	IST-DW480
Range	14~70N.m 120~600in.lb	28~140N.m 20~100ft.lb	48~240N.m 35~175ft.lb	70~350N.m 50~250ft.lb	96~480N.m 70~350ft.lb
Accuracy	±4%	±4%	±4%	±4%	±4%
Graduation	1N.m 10in.lb	2N.m 1ft.lb	3N.m 2.5ft.lb	2.5N.m 2.5ft.lb	6N.m 5ft.lb
Square driver (D)	3/8"	1/2"	1/2"	1/2"	3/4"
Length	378mm	546mm	546mm	546mm	708mm
Weight	820g	1300g	1300g	1300g	4030g

WRENCH SOCKETS



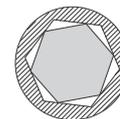
hexagonal rotary socket



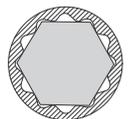
12-point short socket



12-point long socket



contact state of common hexagonal socket and hexagonal bolt



contact state of 12-point socket and hexagonal bolt

- Cold extrusion molding of 6150# Cr-V steel, withstand 25%-50% more torque than carbon steel socket
- 12-point socket, arc inner corner design, so that the socket and bolt contact surface for edge contact, do not damage the bolt, improve the life of the bolt

To be continued

Continued from previous page

1/4" 12-POINT SHORT SOCKET

Code	Capacity	Length
IST-S-A4	4mm	24.5mm
IST-S-A4D5	4.5mm	24.5mm
IST-S-A5	5mm	24.5mm
IST-S-A5D5	5.5mm	24.5mm
IST-S-A6	6mm	24.5mm
IST-S-A7	7mm	24.5mm
IST-S-A8	8mm	24.5mm
IST-S-A9	9mm	24.5mm
IST-S-A10	10mm	24.5mm
IST-S-A11	11mm	24.5mm
IST-S-A12	12mm	24.5mm
IST-S-A13	13mm	24.5mm
IST-S-A14	14mm	24.5mm

3/8" 12-POINT SHORT SOCKET

Code	Capacity	Length
IST-S-D6	6mm	25mm
IST-S-D7	7mm	25mm
IST-S-D8	8mm	25mm
IST-S-D9	9mm	25mm
IST-S-D10	10mm	25mm
IST-S-D11	11mm	25mm
IST-S-D12	12mm	25mm
IST-S-D13	13mm	25mm
IST-S-D14	14mm	25mm
IST-S-D15	15mm	25mm
IST-S-D16	16mm	25mm
IST-S-D17	17mm	25mm
IST-S-D18	18mm	25mm
IST-S-D19	19mm	28mm
IST-S-D20	20mm	28mm
IST-S-D21	21mm	28mm
IST-S-D22	22mm	31.5mm
IST-S-D24	24mm	31.5mm

1/2" 12-POINT SHORT SOCKET

Code	Capacity	Length
IST-S-G8	8mm	37.8mm
IST-S-G9	9mm	37.8mm
IST-S-G10	10mm	37.8mm
IST-S-G11	11mm	37.8mm
IST-S-G12	12mm	37.8mm
IST-S-G13	13mm	37.8mm
IST-S-G14	14mm	37.8mm
IST-S-G15	15mm	37.8mm
IST-S-G16	16mm	37.8mm
IST-S-G17	17mm	37.8mm
IST-S-G18	18mm	37.8mm
IST-S-G19	19mm	37.8mm
IST-S-G20	20mm	37.8mm
IST-S-G21	21mm	37.8mm
IST-S-G22	22mm	40mm
IST-S-G23	23mm	40mm
IST-S-G24	24mm	40mm
IST-S-G27	27mm	43mm
IST-S-G30	30mm	43mm
IST-S-G32	32mm	43mm

1/4" 12-POINT LONG SOCKET

Code	Capacity	Length
IST-S-B4	4mm	49mm
IST-S-B5	5mm	49mm
IST-S-B6	6mm	49mm
IST-S-B7	7mm	49mm
IST-S-B8	8mm	49mm
IST-S-B9	9mm	49mm
IST-S-B10	10mm	49mm
IST-S-B11	11mm	49mm
IST-S-B12	12mm	49mm
IST-S-B13	13mm	49mm

3/8" 12-POINT LONG SOCKET

Code	Capacity	Length
IST-S-E8	8mm	63.5mm
IST-S-E9	9mm	63.5mm
IST-S-E10	10mm	63.5mm
IST-S-E11	11mm	63.5mm
IST-S-E12	12mm	63.5mm
IST-S-E13	13mm	63.5mm
IST-S-E14	14mm	63.5mm
IST-S-E15	15mm	63.5mm
IST-S-E16	16mm	63.5mm
IST-S-E17	17mm	63.5mm
IST-S-E18	18mm	63.5mm
IST-S-E19	19mm	63.5mm
IST-S-E20	20mm	63.5mm
IST-S-E21	21mm	63.5mm
IST-S-E22	22mm	63.5mm

1/2" 12-POINT LONG SOCKET

Code	Capacity	Length
IST-S-H8	8mm	77mm
IST-S-H9	9mm	77mm
IST-S-H10	10mm	77mm
IST-S-H11	11mm	77mm
IST-S-H12	12mm	77mm
IST-S-H13	13mm	77mm
IST-S-H14	14mm	77mm
IST-S-H15	15mm	77mm
IST-S-H16	16mm	77mm
IST-S-H17	17mm	77mm
IST-S-H18	18mm	77mm
IST-S-H19	19mm	77mm
IST-S-H20	20mm	77mm
IST-S-H21	21mm	77mm
IST-S-H22	22mm	77mm
IST-S-H23	23mm	77mm
IST-S-H24	24mm	77mm
IST-S-H25	25mm	77mm
IST-S-H26	26mm	77mm
IST-S-H27	27mm	77mm
IST-S-H28	28mm	77mm
IST-S-H29	29mm	77mm
IST-S-H30	30mm	77mm
IST-S-H32	32mm	77mm

1/4" HEXAGONAL ROYARY SOCKET

Code	Capacity	Length
IST-S-C3	3mm	37mm
IST-S-C4	4mm	37mm
IST-S-C5	5mm	37mm
IST-S-C6	6mm	37mm
IST-S-C8	8mm	37mm

3/8" HEXAGONAL ROYARY SOCKET

Code	Capacity	Length
IST-S-F3	3mm	50mm
IST-S-F4	4mm	50mm
IST-S-F5	5mm	50mm
IST-S-F6	6mm	50mm
IST-S-F7	7mm	50mm
IST-S-F8	8mm	50mm
IST-S-F10	10mm	50mm

1/2" HEXAGONAL ROYARY SOCKET

Code	Capacity	Length
IST-S-I5	5mm	180mm
IST-S-I6S	6mm	70mm
IST-S-I6	6mm	140mm
IST-S-I6L	6mm	250mm
IST-S-I7	7mm	100mm
IST-S-I8	8mm	120mm
IST-S-I10	10mm	140mm
IST-S-I17	17mm	50mm

3/4" 12-POINT SOCKET

Code	Capacity	Length
IST-S-J19	19mm	50mm
IST-S-J21	21mm	50mm
IST-S-J22	22mm	50mm
IST-S-J23	23mm	50mm
IST-S-J24	24mm	51mm
IST-S-J25	25mm	52mm
IST-S-J26	26mm	52mm
IST-S-J27	27mm	52mm
IST-S-J28	28mm	52mm
IST-S-J29	29mm	54mm
IST-S-J30	30mm	56mm
IST-S-J32	32mm	56mm
IST-S-J33	33mm	56mm
IST-S-J34	34mm	56mm
IST-S-J35	35mm	58mm
IST-S-J36	36mm	58mm
IST-S-J38	38mm	60mm
IST-S-J41	41mm	64mm
IST-S-J46	46mm	68mm
IST-S-J50	50mm	72mm
IST-S-J55	55mm	76mm
IST-S-J60	60mm	78mm



**INSPECTION
CERTIFICATE**

DIGITAL TORQUE ADAPTERS (WITH ANGLE DETECTION)

working with mechanical wrenches



IST-5W135A

- Clockwise and counter-clockwise operation
- After reaching the desired torque, turn the wrench at a angle to apply extra torque
- Unit: N.m, in.lb, ft.lb, kg.cm, degree
- Peak and track working modes
- Target torque or angle value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque or angle value is 80%~100% of target torque or angle
 - Both green and red LED light on and buzzer sounds when target torque or angle value is reached
- Power off in 2 minutes automatically
- Memory 50 measurement values for browsing
- With overload record (once the torque reaches 110% of the maximum range)

SPECIFICATION

Code		IST-5W30A	IST-5W135A	IST-5W200A	IST-5W340A
Range	torque	6~30N.m	27~135N.m	40~200N.m	68~340N.m
	angle	0~999°			
Accuracy	clockwise	±3%			
	counter-clockwise	±4%			
	angle	±2° (rotate at 90°)			
Resolution	torque	0.01N.m	0.1N.m	0.1N.m	0.1N.m
	angle	1°			
Square driver (L)		1/4"	3/8"	1/2"	1/2"
Power supply		2xAAA batteries			
Dimension		Ø85×60mm	Ø85×75mm	Ø85×80mm	Ø85×80mm
Weight		150g	220g	240g	240g

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
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REFER TO PAGE 410
FOR DETAILS

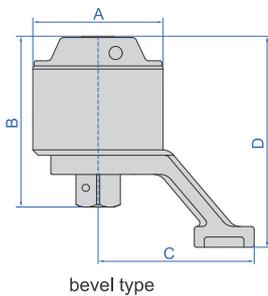
DIGITAL ANGLE METER CODE 2177-121



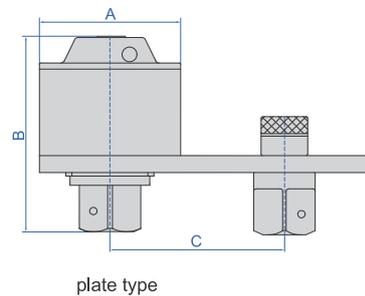
TORQUE MULTIPLIERS



IST-TM2000

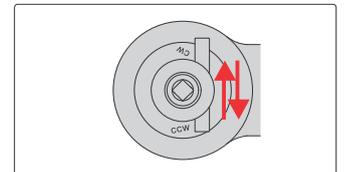


IST-TM3500P



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application



after tightening, toggle the anti-bounce reversing dowel, turn the wrench in the anticlockwise direction, then remove the wrench from torque multiplier

- Input to output accuracy: $\pm 5\%$

Z TYPE (BEVEL TYPE) TORQUE MULTIPLIER

Code	Capacity	Torque ratio	Square socket	Square driver	Dimension (A×B×C×D)	For bolt	For nut	Weight
IST-TM1000	1000N.m	1:4	1/2"	1"	82×98.5×97×122.4mm	M20~30	S30~46	2.1kg
IST-TM2000	2000N.m	1:13	1/2"	1"	82×120×105×147mm	M22~35	S32~55	3.15kg
IST-TM3500	3500N.m	1:16	1/2"	1"	98×131×120×163mm	M30~45	S46~70	4.9kg
IST-TM5500	5500N.m	1:20.5	1/2"	1 1/2"	115×163.5×137×199mm	M38~52	S55~80	8.1kg
IST-TM7500	7500N.m	1:23	1/2"	1 1/2"	127×173×146×215mm	M42~60	S65~90	10.6kg
IST-TM10000	10000N.m	1:28	1/2"	1 1/2"	141×170×164×238mm	M52~72	S80~105	14kg

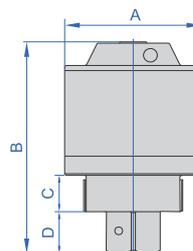
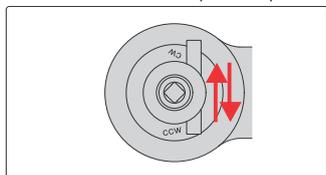
L TYPE (PLATE TYPE) TORQUE MULTIPLIER

Code	Capacity	Torque ratio	Square socket	Square driver	Dimension (A×B×C)	For bolt	For nut	Weight
IST-TM1000P	1000N.m	1:4	1/2"	1"	82×91×(76.7~127.3)mm	M20~30	S30~46	2.4kg
IST-TM2000P	2000N.m	1:13	1/2"	1"	82×120×(92.7~129.3)mm	M22~35	S32~55	3.5kg
IST-TM3500P	3500N.m	1:16	1/2"	1"	98×128×(102.7~145.3)mm	M30~45	S46~70	5.0kg
IST-TM5500P	5500N.m	1:20.5	1/2"	1 1/2"	115×157×(134.05~165.95)mm	M38~52	S55~80	8.7kg
IST-TM7500P	7500N.m	1:23	1/2"	1 1/2"	127×168×(139.05~190.95)mm	M42~60	S65~90	11.7kg
IST-TM10000P	10000N.m	1:28	1/2"	1 1/2"	141×186×(144.05~215.95)mm	M52~72	S80~105	15.2kg
IST-TM15000P	15000N.m	1:50	3/4"	2 1/2"	156×246×(155.25~244.75)mm	M60~85	S80~120	24.1kg
IST-TM20000P	20000N.m	1:76	3/4"	2 1/2"	170×264×(163.75~276.25)mm	M72~100	S105~145	27.8kg

SPLINE-TYPE TORQUE MULTIPLIERS



after tightening, toggle the anti-bounce reversing dowel, turn the wrench in the anticlockwise direction, then remove the wrench from torque multiplier



IST-ST2000



- High efficiency gear set with small input torque and large output torque
- Can be installed directly on the workpieces or through different options to form different installation types

plate type



bevel type



SPECIFICATION

Code	Capacity	Accuracy	Torque ratio	Square socket	Square driver	Dimension (A×B×C×D)	For bolt	For nut	Weight
IST-ST2000	2000N.m	±5%	1:13.3 (plate)	1/2"	1"	82×135×18×26mm	M22~35	S32~55	3.2kg
			1:12 (bevel)						
IST-ST3500	3500N.m		1:16 (plate)	1/2"	1"	98×150×25×26mm	M30~45	S46~70	
			1:15 (bevel)						
IST-ST5500	5500N.m		1:21.5 (plate)	1/2"	1 1/2"	115×180×29×39mm	M38~52	S55~80	
			1:18.5 (bevel)						
IST-ST7500	7500N.m	1:24 (plate)	1/2"	1 1/2"	127×198×34×39mm	M42~60	S65~90		
		1:20 (bevel)							



CONNECTION SPLINE (optional)

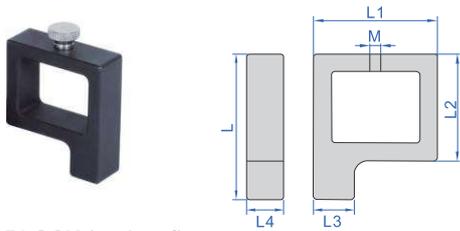
Code	Dimension (mm)			
	R	L	L1	M
IST-ST2000-C1	41	78	18	5
IST-ST3500-C2	49	95	23	5
IST-ST5500-C3	58	112	28.5	6
IST-ST7500-C4	63.5	123.5	29	6

PLATE REACTION ARM (optional)

Code	Dimension (mm)			
	L	L1	L2	M
IST-ST2000-P1	120	38	25.5	4
IST-ST3500-P2	145	42	32	5
IST-ST5500-P3	150	53	45	6
IST-ST7500-P4	175	60	49	8

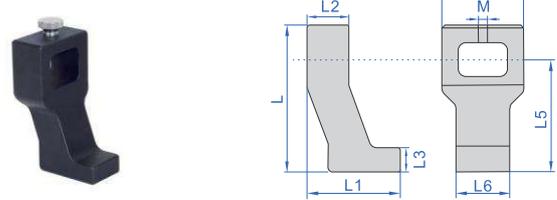
To be continued

Continued from previous page



REACTION BLOCK (optional)

Code	Dimension (mm)					
	L	L1	L2	L3	L4	M
IST-ST2000-R1	53.5	52	39.5	15	18	4
IST-ST3500-R2	66	58	48	18	20	5
IST-ST5500-R3	94.5	73	65	22	25	6
IST-ST7500-R4	98	83	72	28	25	8



BEVEL REACTION ARM (optional)

Code	Dimension (mm)								
	L	L1	L2	L3	L4	L5	L6	M	
IST-ST2000-B1	85	51	18	14	44	60	25	4	
IST-ST3500-B2	87.5	52	20	15	50	67	30	5	
IST-ST5500-B3	110	70	30	16	59	86	35	6	
IST-ST7500-B4	123	78	35	20	68	94	45	6	

TWO-USE TORQUE MULTIPLIERS



IST-DT2000

- High efficiency gear set with small input torque and large output torque
- The reaction arm can adjust the position of the applied force according to the operation conditions
- Plate reaction arm and bevel reaction arm are included

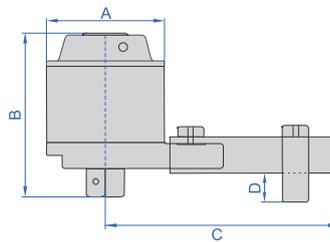
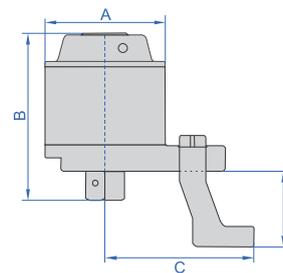
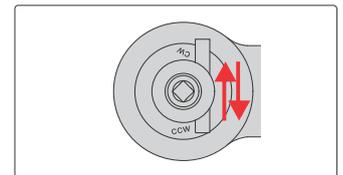


plate type



bevel type

after tightening, toggle the anti-bounce reversing dowel, turn the wrench in the anticlockwise direction, then remove the wrench from torque multiplier



application



plate type

bevel type



SPECIFICATION

Code	Capacity	Accuracy	Torque ratio	Square socket	Square driver	Dimension (A×B×C×D)	For bolt	For nut	Weight	
IST-DT2000	2000N.m	±5%	1:13.3 (plate)	1/2"	1"	82×120×160×21mm	M22~35	S32~55	4.1kg	
			1:12 (bevel)			82×120×93×52mm				
IST-DT3500	3500N.m		1:16 (plate)	1/2"	1"	98×133×152×26mm	M30~45	S46~70		6.4kg
			1:15 (bevel)			98×133×117×56mm				
IST-DT5500	5500N.m		1:21.5 (plate)	1/2"	1 1/2"	115×165×210×39.5mm	M38~52	S55~80		11.4kg
			1:18.5 (bevel)			115×165×134×72mm				
IST-DT7500	7500N.m	1:24 (plate)	1/2"	1 1/2"	127×174×243×38mm	M42~60	S65~90	16kg		
		1:20 (bevel)			127×174×146×80mm					