

# S-SERIES SHEAR WRENCH

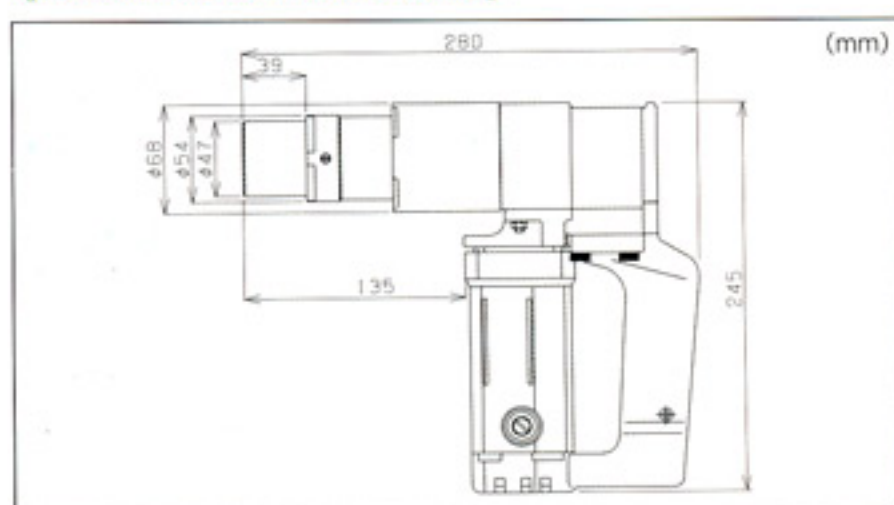
## S-60EZA

### Medium duty Shear Wrench

#### [SPECIFICATIONS]

| Model                  | S-60EZA             |       |
|------------------------|---------------------|-------|
| Voltage                | 115V                | 220V  |
| Max. Current           | 13.5A               | 5.5A  |
| Max. Power Consumption | 1300W               | 1100W |
| Frequency              | 50 / 60Hz           |       |
| Max. Torque            | 588 N·m(435 lbf·ft) |       |
| No-Load Speed          | 22rpm               | 20rpm |
| Weight                 | 5.5kg(12.1 lb)      |       |

#### 《External Dimensions》



#### 【Adaptable BOLT DIA.】

M16. M20

5/8". 3/4" (7/8" A325 only)

※You can choose 1size Socket.

#### 【ACCESSORIES】

Inner Socket 1pc.

Outer Socket 1pc.

Screw Driver 1pc.

Metal Case 1pc.

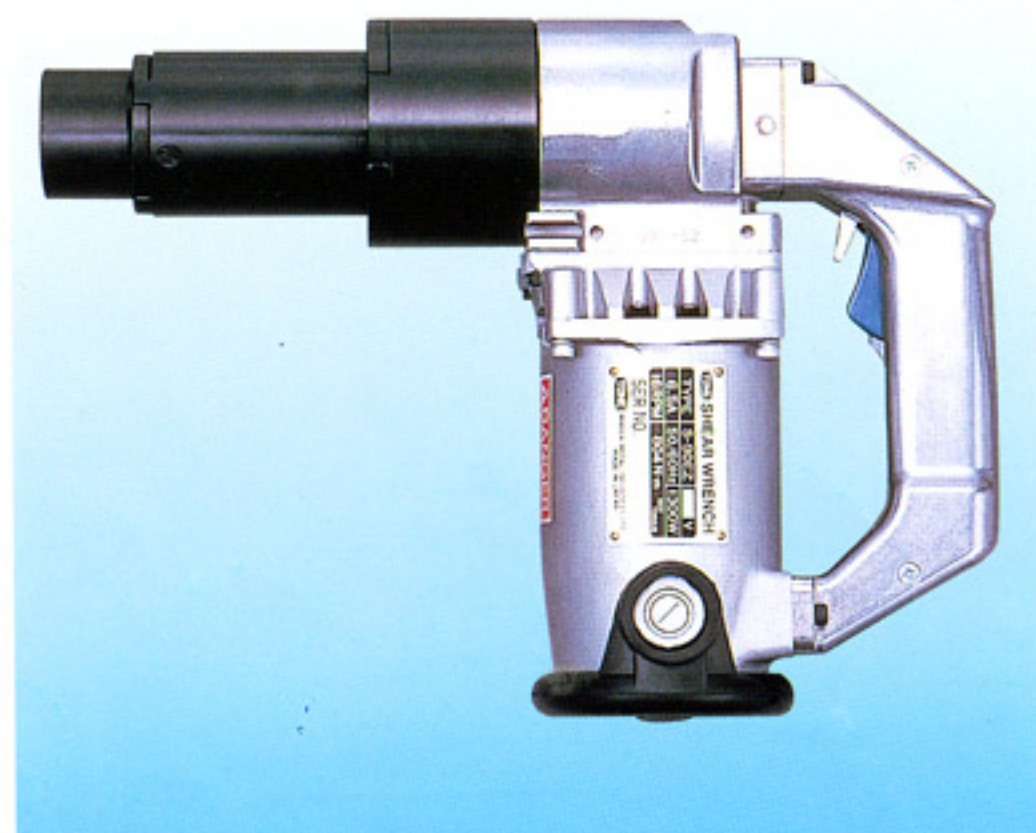
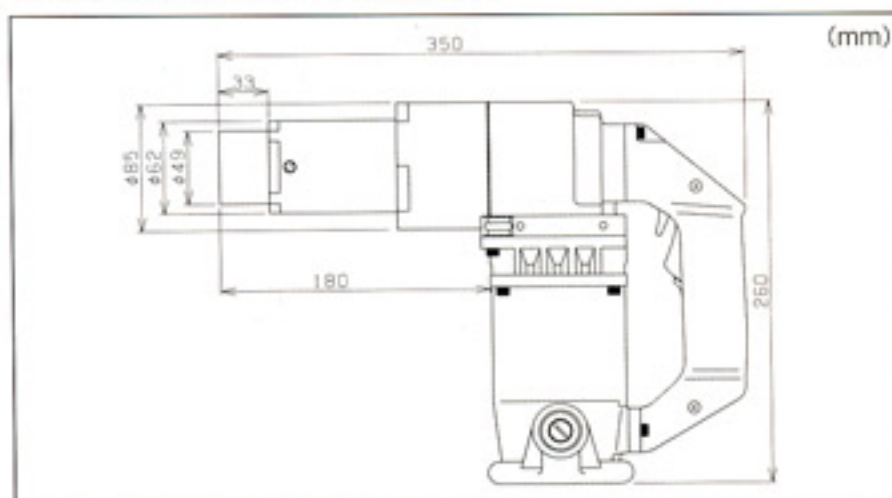
## S-90EZ

### Heavy Duty Shear Wrench

#### [SPECIFICATIONS]

| Model                  | S-90EZ              |       |
|------------------------|---------------------|-------|
| Voltage                | 115V                | 220V  |
| Max. Current           | 12.0A               | 6.5A  |
| Max. Power Consumption | 1200W               | 1300W |
| Frequency              | 50 / 60Hz           |       |
| Max. Torque            | 804 N·m(595 lbf·ft) |       |
| No-Load Speed          | 15rpm               | 16rpm |
| Weight                 | 7.6kg(16.7 lb)      |       |

#### 《External Dimensions》



#### 【Adaptable BOLT DIA.】

M16. M20. M22

3/4". 7/8" (1" A325 only)

※You can choose 1size Socket.

#### 【ACCESSORIES】

Inner Socket 1pc.

Outer Socket 1pc.

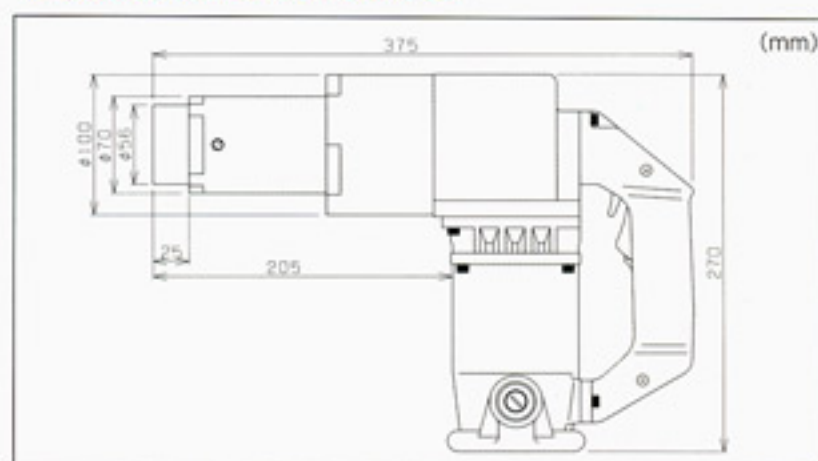
Screw Driver 1pc.

Metal Case 1pc.



**S-110EZ***Heavy Duty Shear Wrench***[SPECIFICATIONS]**

|                        |                      |       |
|------------------------|----------------------|-------|
| Model                  | S-110EZ              |       |
| Voltage                | 115V                 | 220V  |
| Max. Current           | 13.5A                | 7.5A  |
| Max. Power Consumption | 1300W                | 1500W |
| Frequency              | 50 / 60Hz            |       |
| Max. Torque            | 1010 N·m(745 lbf·ft) |       |
| No-Load Speed          | 16rpm                | 16rpm |
| Weight                 | 10.3kg(22.7 lb)      |       |

**《External Dimensions》****【Adaptable BOLT DIA.】**

M20. M22. M24

7/8".1" (1-1/8" A325 only)

※You can choose 1size Socket.

**【ACCESSORIES】**

Inner Socket 1pc.

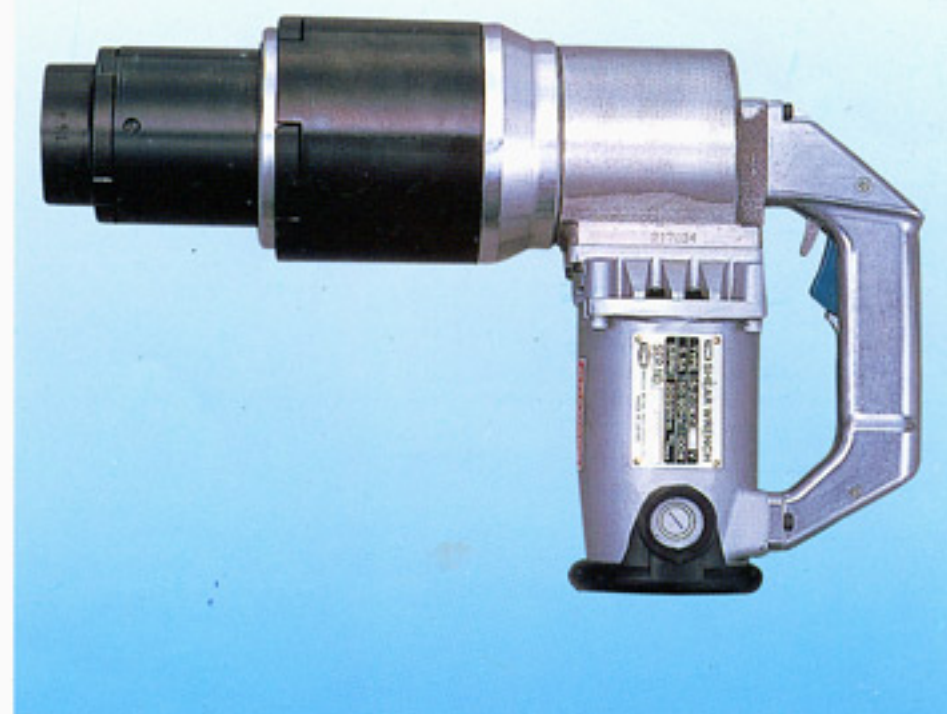
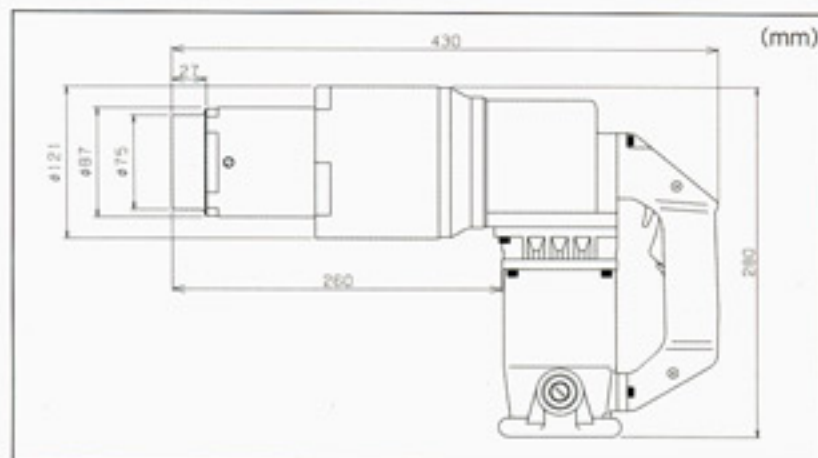
Outer Socket 1pc.

Screw Driver 1pc.

Metal Case 1pc.

**S-210EZ***Extra Heavy Duty Shear Wrench***[SPECIFICATIONS]**

|                        |                       |
|------------------------|-----------------------|
| Model                  | S-210EZ               |
| Voltage                | 220V                  |
| Max. Current           | 5.5A                  |
| Max. Power Consumption | 1100W                 |
| Frequency              | 50 / 60Hz             |
| Max. Torque            | 2059 N·m(1520 lbf·ft) |
| No-Load Speed          | 5rpm                  |
| Weight                 | 16.5kg(36.3 lb)       |

**《External Dimensions》****【Adaptable BOLT DIA.】**

M27. M30

※You can choose 1size Socket.

**【ACCESSORIES】**

Inner Socket 1pc.

Outer Socket 1pc.

Screw Driver 1pc.

Metal Case 1pc.



# S-SERIES SHEAR WRENCH

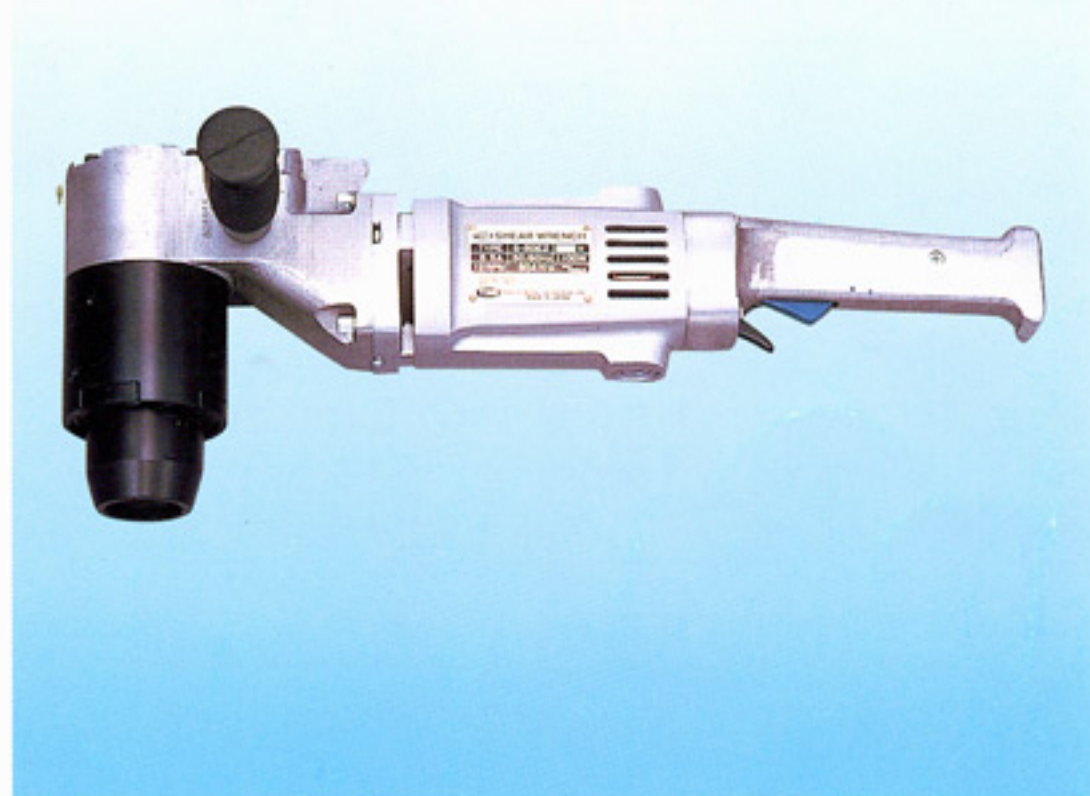
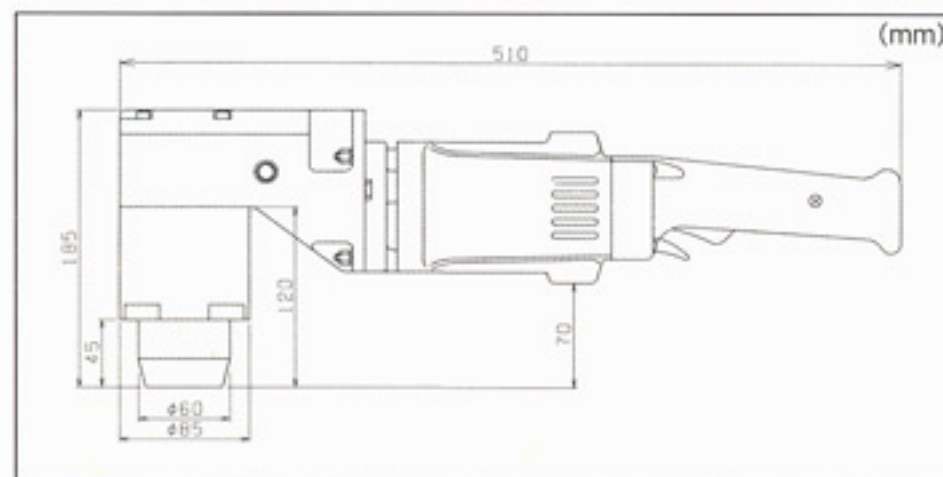
## S-80EZA

### Corner Shear Wrench

#### [SPECIFICATIONS]

|                        |                     |       |
|------------------------|---------------------|-------|
| Model                  | S-80EZA             |       |
| Voltage                | 115V                | 220V  |
| Max. Current           | 11.5A               | 5.5A  |
| Max. Power Consumption | 1100W               | 1100W |
| Frequency              | 50 / 60Hz           |       |
| Max. Torque            | 804 N·m(595 lbf·ft) |       |
| No-Load Speed          | 12rpm               | 12rpm |
| Weight                 | 8.0kg(17.6 lb)      |       |

#### 《External Dimensions》



#### 【Adaptable BOLT DIA.】

M16. M20. M22

3/4". 7/8"(1"A325 only)

※You can choose 1size Socket.

#### 【ACCESSORIES】

Inner Socket 1pc.

Outer Socket 1pc.

Screw Driver 1pc.

Metal Case 1pc.

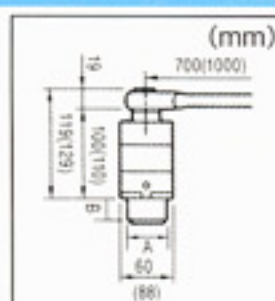
## S-20HA/S-24HA

### Hand Shear Wrench



#### [SPECIFICATIONS] & [ACCESSORIES]

|          |          |
|----------|----------|
| S-20HA   | S-24HA   |
| 4.1kg    | 6.3kg    |
| M16.M20  | M22.M24  |
| 1 pc. EA | 1 pc. EA |



## TMC-400

### Bolt Tension Calibrator

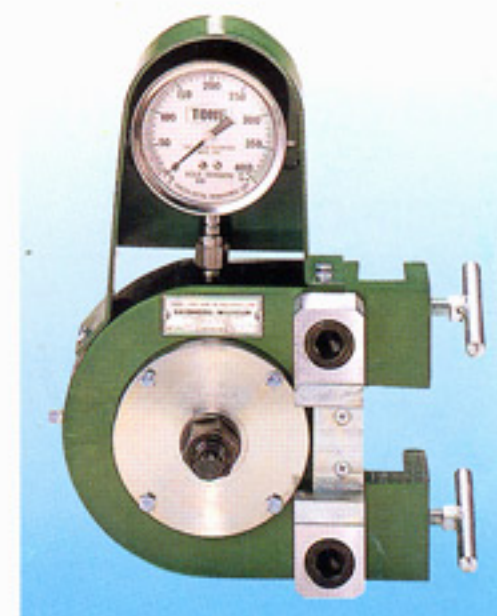
#### [SPECIFICATIONS]

|                      |                 |
|----------------------|-----------------|
| Measuring Range      | 5~400KN         |
| Applicable Bolt Dia. | M16.M20.M22.M24 |
| Accuracy             | ±2%             |
| Weight(mainbody)     | 9.8kg           |

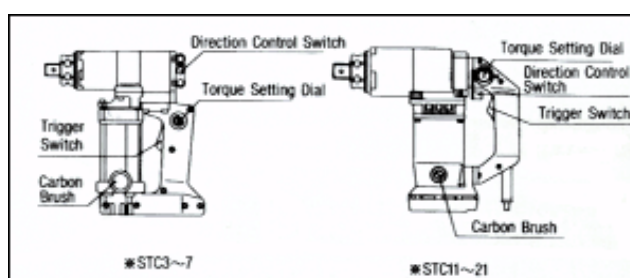
#### 【ACCESSORIES】

|                               |                 |
|-------------------------------|-----------------|
| Attachment for loosening nut. | M16.M20.M22.M24 |
| Carrying Case                 | 2 pcs.          |

※Out of "Scope of approval" of ISO 9001.

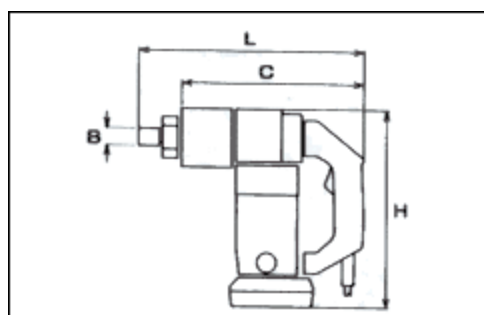


## SIMPLE TORQON (ELECTRIC TORQUE CONTROL WRENCH WITH A SQUARE DRIVE)



| SIMPLE TORQON |                            |                 |      |     |     |     |                |
|---------------|----------------------------|-----------------|------|-----|-----|-----|----------------|
| Model No.     | Torque Control Range       | Unit            | Bmm  | Cmm | Hmm | Lmm | kg(lb)         |
| STC3AE        | 150~300<br>(110~220)       | N·m<br>(lbf·ft) | 19.0 | 170 | 250 | 215 | 4.6<br>(10.1)  |
| STC5AE        | 300~500<br>(220~370)       | N·m<br>(lbf·ft) | 19.0 | 175 | 255 | 220 | 5.3<br>(11.7)  |
| STC7AE        | 350~700<br>(260~510)       | N·m<br>(lbf·ft) | 25.4 | 190 | 260 | 245 | 6.2<br>(13.7)  |
| STC12AE       | 600~1,200<br>(450~900)     | N·m<br>(lbf·ft) | 25.4 | 275 | 285 | 330 | 9.0<br>(19.8)  |
| STC21TE       | 1,000~2,100<br>(740~1,550) | N·m<br>(lbf·ft) | 38.1 | 345 | 310 | 415 | 19.0<br>(41.9) |

\* AE is in 115v, TE is in 220~230V.

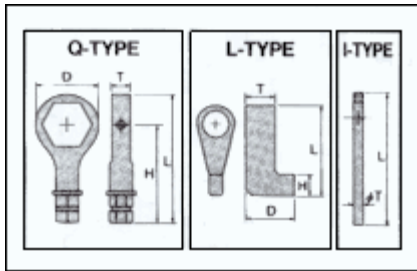


| SIMPLE TORQON |                 |                        |                |                     |                               |
|---------------|-----------------|------------------------|----------------|---------------------|-------------------------------|
| Model No.     | Case Size<br>mm | No-Load<br>Speed (rpm) | voltage<br>(V) | Max. Current<br>(A) | Max. Power<br>Consumption (W) |
| STC3AE        | 330x330x90      | 28                     | 115            | 13.5                | 1,100                         |
| STC5AE        | 330x330x90      | 25                     | 115            | 13.5                | 1,100                         |
| STC5TE        |                 |                        | 220            | 6.5                 | 1,100                         |
| STC7AE        | 330x330x90      | 17                     | 115            | 13.5                | 1,100                         |
| STC7TE        |                 |                        | 220            | 6.5                 | 1,100                         |
| STC12AE       | 350x430x115     | 15                     | 115            | 15.0                | 1,400                         |
| STC12TE       |                 |                        | 220            | 7.5                 | 1,400                         |
| STC21TE       | 325x455x130     | 4                      | 220            | 6.0                 | 1,100                         |

\* ATTACHMENTS: Q-Type, L-Type and I-Type Reaction Levers, L-Type Hex Key Wrench, Hex. Screw, Instructions Manual and Steel Case.

\*Overhaul is necessary every 6 months or 30,000 tightening, whichever comes first.





| MEASUREMENT OF STANDARD REACTION LEVER |               |    |     |           |     |     |            |     |     |         |     |     |
|----------------------------------------|---------------|----|-----|-----------|-----|-----|------------|-----|-----|---------|-----|-----|
|                                        | STC3AE,5A(T)E |    |     | STC7A(T)E |     |     | STC12A(T)E |     |     | STC21TE |     |     |
|                                        | Q             | L  | I   | Q         | L   | I   | Q          | L   | I   | Q       | L   | I   |
| L                                      | 120           | 80 | 190 | 140       | 100 | 230 | 150        | 110 | 240 | 210     | 155 | 300 |
| D                                      | 60            | 45 | --  | 80        | 50  | --  | 80         | 60  | --  | 110     | 80  | --  |
| T                                      | 20            | 25 | 16  | 25        | 35  | 19  | 25         | 40  | 22  | 30      | 55  | 26  |
| H                                      | 90            | 20 | --  | 20        | 25  | --  | 110        | 30  | --  | 155     | 40  | --  |

## SIMPLE TORQON WITH A MULTIPLIER



Higher torque output can be achieved by combining Simple Torqon with the PX series of torque multipliers. Output torque is controlled by regulating the input of the Simple torqon

| Model #    | Max. Output<br>N.m (LBF.ft) | Max. Input N.m<br>(lbf.ft) | Magf. | Combination          |               | Height<br>mm | Base<br>mm | Length<br>mm | Weight<br>Kg (lbs) |
|------------|-----------------------------|----------------------------|-------|----------------------|---------------|--------------|------------|--------------|--------------------|
|            |                             |                            |       | Torque<br>Multiplier | Simple Torqon |              |            |              |                    |
| 8-180PXE   | 1800 (1330)                 | 430 (320)                  | 4.1   | 8-180PX              | STC5A(T)E     | 325          | 25.4       | 195          | 10.3<br>(22.7)     |
| 12-350PXE  | 3500 (2580)                 | 970 (720)                  | 3.6   | 12-350PX             | STC12A(T)E    | 420          | 38.1       | 265          | 18.0<br>(39.7)     |
| 12-500PXE  | 5000 (3690)                 | 1110 (820)                 | 4.5   | 12-500PX             | STC12A(T)E    | 450          | 38.1       | 370          | 22.6<br>(49.9)     |
| 20-1500PXE | 15000 (11070)               | 1110 (810)                 | 13.6  | 20-1500PX            | STC12A(T)E    | 490          | 63.5       | 515          | 51<br>(112.4)      |
| 20-2500PXE | 23800 (17560)               | 1180 (870)                 | 21.3  | 20-2500PX            | STC12A(T)E    | 590          | 63.5       | 550          | 92<br>(202.8)      |