TATEKATA BASE

Steel Erection System [Column Base Plate]

Erection Cost & Duration can be reduced largely

The method is the safety erection method for installing the girder after using TATEKATA BASE between the foundation and column base plate , to carry out the column accuracy adjustment individually.

The effect of system introduction

Q. Improvement in Quality

- It is possible to adjust the tolerance with high accuracy for column independently

C. Reduction in Cost

- It is not necessary the wire and pieces
- There is no damage for net by wire
- The work for setting wire, arrangement, removal become not necessary

D. Reduction in Erection time

- The girder installation work can be done quickly and quietly because of the finish of adjustment.
- It is not necessary to adjust deviation after girder installed depend on situation.
- Crane column lock can be removed earlier, the quantity of members for installation per day can be increased.

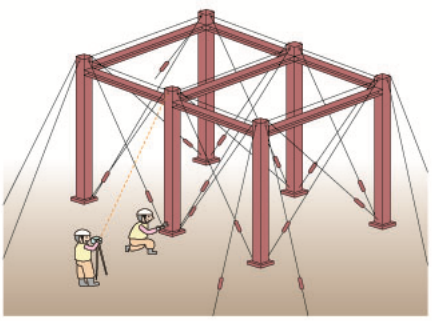
Main Body

Type /B6464L, B6464H
Weight /4kg

S. Improvement in safety

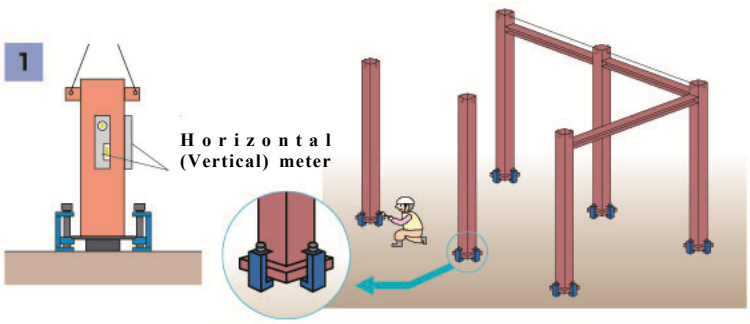
- High place operation can be reduced.
- Dangerous work for deviation adjusting can be reduced.
- There is no over stress on anchor bolt because of the hand operations, It is difficult to happen, such as damage accident.
- The collision or hit of wire will not happen when installing the beam.

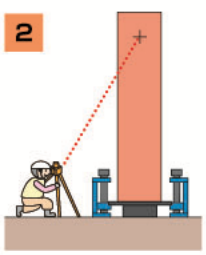
Traditional Erection Method Sequence

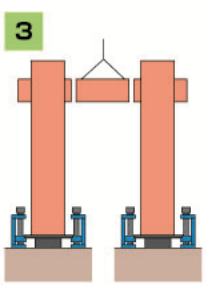


Column Installation	•Set up the safety wire to column •Hoisting column into the position •Column temporary fix by anchor bolt •Set up the wire to the column to prevent column fall down
Girder installation	•Girder installation •Fixing the girder by temporary bolt
Measure Tolerance adjust	•Measure two direction ,carry out the deviation adjustment for multiple columns at same time
Bolt replacement	•Replace the temporary bolt, adjustment , Fixing depends on the condition
Surveying, fine adjustment	•Anchor bolt tightening •Remove the wire, measure again （Deviation response may be occurred according the situation）
Bolt Fixing	

Wireless Erection Method Sequence







1	•Hoisting column into the position •After fixing the anchor bolt temporary then set up the (TATEKATA BASE), remove the Crane column lock.
2	•Confirm the accuracy of column while measuring by instrument using (TATEKATA BASE) to adjust the vertical accuracy, fix by TATEKATA BASE and anchor bolt.
3	•Measure again after girder installation (Fine adjustment)
	•After tightening of the high tension bolt, remove the (TATEKATA BASE)

Col. Install
Measure Tolerance adjust
Girder installation
Surveying, fine adjustment
Bolt Fixing

Duration shortening!

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Sequence Plan

Strength Analysis
(Wind • Earthquake)
Plan • Elevation, Column • Girder Table
Anchor Bolt Plan

NO → Fall down Prevention countermeasure

YES

Mortar Height 30㎜～

NO → Please Contact us

YES

Confirm the Operation Space
Box-Out Portion • Rebar

Caution
- ●Boxout Deepth <200mm S Tool can be sued >200mm Extention Bar Use
- ●Please contact with Technos in case of rebar or other ob-stacles interfered

YES

Girder Bolt Tightening Plan
（Determine the Quantity）

Special Storage Box (72nos case)

Execution Flow

Hoist the column up

Coincide with Grid line（half lifted state）

Erection according to measurement

Tighten the anchor bolt （Prepare tool by client）

Set up the TATEKATA BASE

Remove the column lock

Adjust deviation of column according to the result of high precision measure instrument

Erection multiple column

Beam installation
The beam installation can be installed as soon as possible after the completion of column deviation correction. Very fast for the crane column lock remove.

Re-Measure

NO → Fine adjustment

YES

Girder High Tension Bolt Tightening

Remove TATEKATA BASE

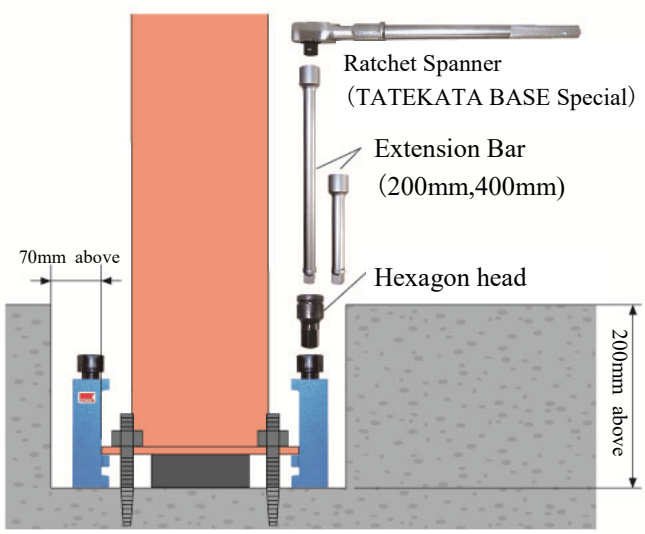
Tool

Without BOX-OUT

It become wireless method in general using with TATEKATA ACE together.

TATEKATA ACE

BOX-OUT 200mm Above



※Product SPEC. in this catalogue maybe changed due to improvement without informing

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