

# THERMITE WELDING KITS FOR GROUNDING



Thermite welding is destined for connections and contacts of conductors without using external sources and power supplies. Connections made with thermite welding are maintenance-free.

## ADVANTAGES



Constant contact resistance



Strong weld resistance to fracture and tear



Sound connection of dissimilar metals



Corrosion-resistance weld

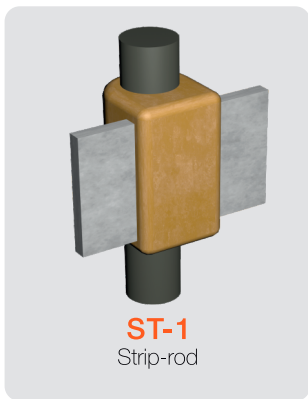


Welding process without sources of electric power



High speed of installation

## MAIN CONNECTION TYPES



**ST-1**  
Strip-rod



**ST-2**  
Strip-strip joint-to-joint



**ST-3**  
Strip-strip T-type horizontal



**ST-4**  
Strip-strip T-type vertical

**Material of welded products:** steel, galvanized steel, copper, compound steel.

## SYMBOLS



**SYMBOL RECORD EXAMPLE:**  
**ST-1-P1K1-20-DRAGON**

1. Product type - thermite welding
2. Connection type 1 (strip-rod)
3. Strip 4x40 mm
4. Rod Ø12.6 mm
5. 20 welded connections
6. DRAGON series

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### PRODUCT TYPE

ST – thermite welding

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### TYPE

**Connection type:**

- 1 – strip-rod
- 2 – strip-strip joint-to-joint
- 3 – strip-strip T-type horizontal
- 4 – strip-strip T-type vertical

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### PROFILE 1 and 2

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**Profile type**

**1 and 2 conductors:**

(P – strip, K – rod)

P1 – strip 4x40 mm

P2 – strip 4x50 mm

P3 – strip 5x40 mm

P4 – strip 5x50 mm K

K1 – rod Ø12,6 mm K

K2 – rod Ø16 mm

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### CONNECTIONS

**Number of welded connections for the specified type**

6

### SERIES

DRAGON

## THERMITE WELDING COMPONENTS

Thermite welding kit is a set of materials and tools, sufficient for ground conductors connection:



### CRUCIBLE

Is intended for fixing welded conductors and creating the operation volume for thermite welding performance. Crucible forms can be produced for the connection types you need.



### DEDICATED CLAMP

Is used for reliable fixation of crucible on conductors and its safe removal from weld obtained upon the exothermic reaction is finished.



### THERMITE MIXTURE


Is applied for exothermic reaction, as the result of which, the mixture melts and fills the volume around and between conductors, creating strong connection.




### TOOL BOX

Includes the following components: gas burner, brushes, clamp, scraper, gloves, goggles, deoiler, and rags

Thermite mixture mass  
for one connection

-  300 g (ST-1)
-  200 g (ST-3)
-  150 g (ST-2)
-  300 g (ST-4)

Weld material  
burn temperature

 2400-2600 °C

**Termite welding service life:** not less than the service life of weld products.

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