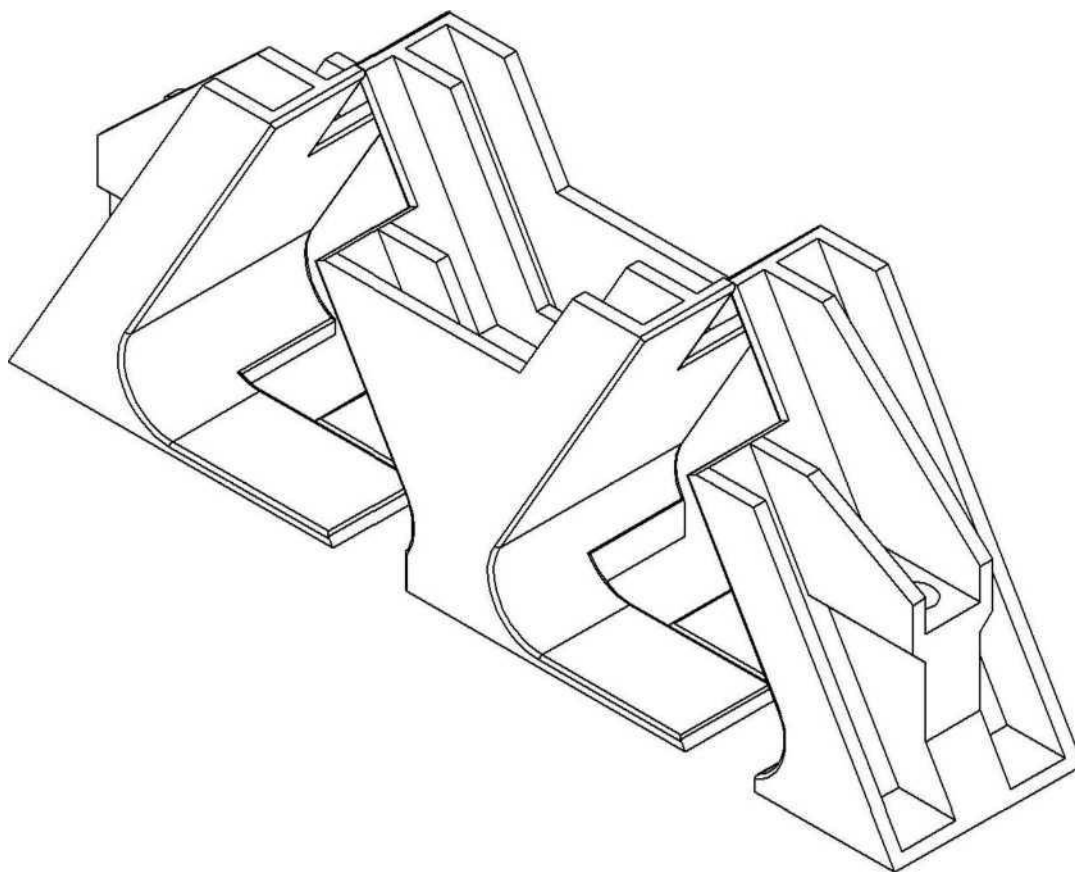


DATA SHEET

UNIVERSAL CABLE CLAMPS

TU 4834-001-98970470-2009



1. Application

YKK-60 and YKK2-60 universal cable clamps are designed for fixing all types of medium-voltage cables and single-phase high-voltage cables both in flat and delta mounting. The clamp design provides for required mechanical properties that guarantee reliable fixation and undamageability of cables even in high short-circuit currents. The product is resistant to weather impacts, the impacts of oil and other petroleum products, radiation and ultraviolet emission and to ozone.

The climatic versions У, УХЛ are for moderate climate, moderately cold climate, placement categories 1 and 2 to GOST 15150-69. The products are used at ambient temperatures from minus 60 to plus 120°C.

2. External appearance and dimensions

The clamp comprises two interchangeable profiles manufactured of black polyamide. The profiles may be fitted with stiffening ribs for mechanical strength and resistance to shock loads. The external appearance and dimensions are presented in figure 1 and 2.

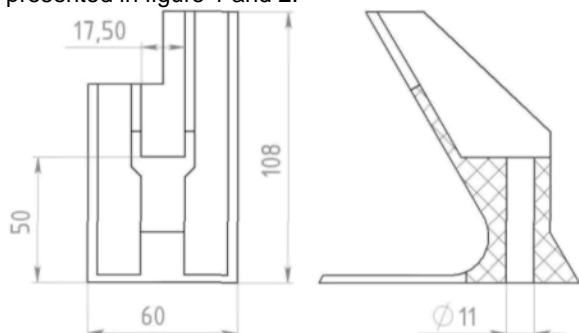


Figure 1. External appearance and overall dimensions
YKK-60(mm), YKK2-60 (mm).

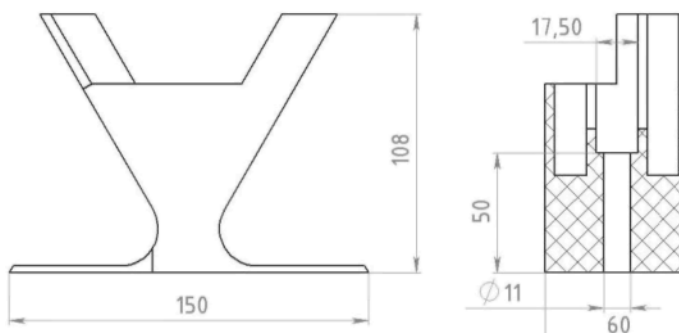


Figure 2. External appearance and overall dimensions

3. Marking and packing

The outer profile surface between stiffening ribs bears the product marking YKK-60 or YKK2-60 and the name of manufacturer RKS Plast

Clamps are supplied in corrugated cardboard boxes. The size of packing and the number of products in a box may vary depending on the batch volume and transportation conditions. By agreement with the customer other types of packing may be used.

4. Complement

Products may be supplied with or without fittings.

YKK-60 (2 profiles) or YKK2-60

Fittings (subject to terms of supply)

Product data sheet (1 per product)

5. Quality control

Supplied batch is subjected to acceptance check in accordance with two-phase sampling plan and shall meet the requirements of TU 3494-001-72055024-2009.

Upon receipt and installation of clamps incoming control may be carried-out in accordance with the following program:

Item No.	Test	Criterion	Method
1	Complement check	Compliance of actual quantity with transport documents and labels	Comparison
2	Marking check	Compliance of product marking with transport documents and labels	Comparison
3	Material homogeneity	Absence of foreign inclusions, uniform coloring	Visual inspection
4	Manufacture quality check	Absence of cavities, chips and cracks	Visual inspection

6. Shelf and useful life

Shelf life - unlimited.

The useful life of the cable clamp unit is at least 25 years subject to user observance of transportation, storage, installation and operation requirements set forth in this specification. The useful life starts from the commissioning date of the clamp. The actual useful life of the cable clamp unit is not limited to the above useful life but is subject to its technical condition.

7. Installation

Cable line installation with YKK-60 or YKK2-60 clamps shall be performed by riggers experienced in and trained for laying and installation of cable lines.

Upon laying and fitting of the cable on bearing metalworks the cable and all its three phases are assembled in a delta and clamped with two YKK-60 or YKK2-60 profiles. An example of clamp mounting see on Fig. 3. Joining of profiles should be made only after one of profiles has been fixed to metalwork. To avoid damaging outer cable sheathes it is not recommended to use a tool or a device that creates a higher torque in clamping of cables.

Clamp profiled are fixed with M 10 bolts, recommended bolt length bolt 80mm. To fix the clamp insert the bolt in the slot on the outer surface of the profile, with the bolt head positioned between two parallel vertical shelves and thus locked in the body of the profile. The slot length is twice the bolt diameter, which also permits, due to the length of slots in metalwork profile, to ensure tightening of the clamp and cable laying in a delta. The product is fixed in metalwork upon tightening of a nut on the bolt passing through the body of the clamp and the metalwork. For reliable fixation we recommend using lock washers of respective size. Tighten the nut with any manual tool fit for the purpose. The torque depends on the plasticity of the bolt assembly. Upon the required torque the bolt head would start to rotate.

During tightening be sure to visually control the head position, since when the bolt is installed at an angle relative to the slot vertical axis and is positioned at the edge of the slot then vertical slot-forming planes of the profile may move apart. In such case the bolt head sinks into the slot. If the depth of head sinking is up to 5 mm this does not pose threat to the clamp. However when a power tool is used the rigger may fail to sense torque mounting and the head will sink deeper into the slot creating large mechanical load on the product and decreasing its useful life or even leading to structural failure.

The product is designed for M10 bolts, however, as necessary, you may use 8 mm diameter bolts. In such case an additional washer (with 13-17 mm outer diameter) shall be installed under the bolt head tightened with two wrenches.

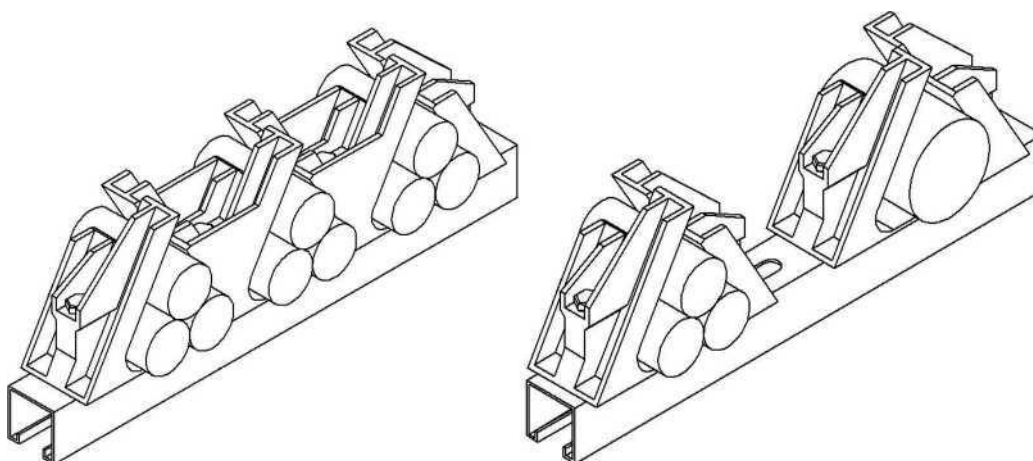


Figure 3. YKK-60 and YKK2-60 mounting (example)

8. Warranty obligations

The manufacturer warrants that the product meets the requirements of this specification subject to user observance of transportation, storage, installation and operation requirements. Warranty shelf life is 1 year from the date of manufacture. Warranty useful life is 5 years. Warranty useful life starts from the clamp installation date.

9. Contact information

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Fax: +7(495) 673-81-86

10. Manufacturer acceptance control marks

Compliance with requirements of TU 4834-001-98970470-2009

Controlled by: _____

Signature: _____

Date: _____

11. For notes