PHASE CLAMPS FOR ROUND-SECTION: MULTI-CORE CONDUCTORS, RIGID BARS, T-TYPE FIXED COUPLINGS OR OTHER PARTS ASSEMBLED PERMANENTLY ON CONDUCTORS IN POWER SUBSTATIONS

The Classic Universal Phase Clamp (CCU) is a screw-fastening clamp, which can be applied on a wide range of rectangular or cylindrical section conductor bars, T fixed points and on spherical pieces (ball studs) with 30 mm diameters. It is a robust clamp, with a body made of extruded aluminium profile and excellent shock resistance. The clamp driving screw is provided with a **''RO bayonet'' end**, a termination which allows it easy coupling and uncoupling of the clamp from the **''RO bayonet''** coupling systems of insulating sticks. The clamp's body has a slanting profile which facilitates its hanging on conductor horizontally positioned or slightly inclined towards the ground.
The construction and shape are similar to the Classic Reduced Phase Clamp (Cr) but it also provides the possibility of slanting application, by side attachment, on flat conductor bars vertically positioned, as well as the possibility to be applied with spherical pieces (ball studs) .
The clamp is detached from the conductor by the simple opening of the clamp (by unscrewing the driving screw, the mobile jaw is lowered), followed by the lifting of the clamp screw from the conductor.

The automatic phase clamp for conductors with round section (CA) is also a screw-actuated clamp, upon application the conductor bar (part) being clamped firmly between the clamp body and the mobile bit driven by a screw. The automated clamp includes two main items obtained by aluminium cast body and the actuation screw provided with a **''RO bayonet''** terminal. This type of clamp if provided additionally with a system of levers and springs which allows the automated movement of the clamp bit after it had been hanged on the conductor bar (or on the fixed T-type coupling), a movement which allows the pre-fastening of the clamp on the conductor. Subsequently to this phase, the clamp must be fastened firmly on the conductor by actuating the screw and locking the bit position.
The detachment of the clamp from the conductor is similar to the one of the reduced classic clamps - specifically the screw is unscrewed until the bit withdraws sufficiently to create enough space to **lift the clamp from the conductor.**

Lightweight Universal Classic Phase Clamp (CCTU) can be applied on a wide variety of conductor bars of rectangular or cylindrical section and on spherical pieces (ball studs) of 20 / 25 mm diameter. The clamps are **applied on the conductor by attaching / hanging on the conductor bar / piece**.
Both are screw-fastening clamps, allowing the tightening of conductor bar or piece between the clamp's body and the mobile jaw. The tightening force is provided by the clamping torque of the clamp's body and the mobile jaw. The tightening force is provided by the clamping torque of the clamp's driving screw. Both the clamp body and the jaw are items made of cast body aluminium. The clamp's driving screw has usually a **'' RO bayonet''** end.
Having small dimensions and lightweight construction, these clamps are recommended for use in low voltage power installations and in other power installations where the spaces between the conductor bars are extremely small, and the application of the clamp on the conductor is made from a small distance.
The **dismounting** of the clamp from the conductor is similar for all types of screw-fastening clamps, more exactly the driving screw is **unscrewed**, the mobile jaw is lowered until there is sufficient space to detach the clamp from the conductor bar / piece.

CLASSIC UNIVERSAL CLAMP (CCU)

Code P 2393-0-00



Isc = 30 kA/1s
Extruded body
Aluminium alloy
1,28 kg

Sphere Ø 30
T fixed point Ø 28
Ø 9 ÷ 32
40 mm

AUTOMATIC CLAMP (CA)

Cod P 236-0-00C



Isc = 30 kA/1s
Extruded body
Aluminium alloy
1,10 kg

T fixed point Ø 28
Ø 17 ÷ 32

LIGHTWEIGHT UNIVERSAL CLASSIC PHASE CLAMP (CCTU)

Code P 2449-0-00



Isc = 30 kA/1s
Extruded body
Aluminium alloy
0,53 kg

Sphere Ø 25
Ø 3 ÷ 45
45 mm