

ECOPROP

SYSTEMS: BAUTREG

Lightweight and economical slab prop.

PRODUCT FEATURES

-  5 mm thick base plate.
-  Exceptionally lightweight
-  Load-bearing capacity depends on working height.
-  External thread with cast adjustment nut.
-  Made from galvanized steel tubes.



INDEX	NAME	WEIGHT [kg]
712100E300	ECOPROP 300	9,4
712100E350	ECOPROP 350	10,5
712100E400	ECOPROP 400	13,3
712100E500	ECOPROP 500	16,0

PRODUCT DESCRIPTION

-  The prop consists of two tubes – an inner one with holes and an outer one with a threaded adjustment system – as well as a steel adjustment nut, locking pin (G-pin), and two plates forming the top and bottom bases. The prop is made from galvanized tubes. Machined areas are protected with cold galvanizing.
-  The external thread, without a self-cleaning mechanism, allows for smooth height adjustment throughout the full range of operation.
-  The prop has a variable load-bearing capacity, depending on its working height. The permissible load is provided with a high safety factor, in accordance with Polish Standards.
-  At the maximum extension, a 10 cm safety zone is maintained to protect the installer's hand from being crushed.
-  The lightweight design and high durability ensure trouble-free, long-term use, reducing storage and transport costs. This contributes to environmental protection and reduces the carbon footprint.

PURPOSE / METHOD OF USE

-  The product is widely used in traditional beam-and-slab formwork systems, as well as in supporting precast floor slabs. When designing the layout of props in the formwork, it is necessary to take into account its variable load-bearing capacity, which depends on the working height.
-  The tallest ECOPROP models are also suitable for temporary structural support, particularly during installations, reconstructions, or demolitions – in any situation where stable and reliable support at the right height is more important than high load capacity.
-  The product must not be used in dynamically loaded supports or in panel slab formwork systems.

TECHNICAL SPECIFICATIONS

PARAMETERS	ECOPROP 300	ECOPROP 350	ECOPROP 400	ECOPROP 500
Outer tube diameter [mm]	60,0	60,0	60,0	60,0
Outer tube wall thickness [mm]	1,8	1,8	2,0	2,0
Inner tube diameter [mm]	48,0	48,0	48,0	48,0
Inner tube wall thickness [mm]	1,8	1,8	2,2	2,2
Base plate thickness [mm]	5,0	5,0	5,0	5,0
Base plate dimensions [mm]	120x120	120x120	120x120	120x120
Minimum height [mm]	1750	2100	2210	2800
Maximum height [mm]	3000	3500	4000	5000
Weight [kg]	9,4	10,5	13,3	16,0



PERMISSIBLE LOAD

PARAMETER	ECOPROP 300	ECOPROP 350	ECOPROP 400	ECOPROP 500
Prop working height [cm]	300	350	400	500
Permissible load [kN]	14,0	12,0	6,0	4,0
average failure load [kN]	23,9	21,3	9,4	6,3

Tests conducted under axial compression, without considering the adverse effects of eccentricity, on flat-contacting base plates of the prop.

TECHNICAL DRAWINGS / PHOTOS

