EASYPROP

SYSTEMS: BAUTREG, BAUDECK



Durable and cost-effective slab prop.

PRODUCT FEATURES

- Rolled adjustment thread formed directly in the outer tube.
- Durable orange adjustment nut.
- Sturdy and ergonomic locking pin (g-pin).
- Ergonomic shape of the adjustment nut handle.
- Base plates shaped according to PN-EN 1065 standard requirements.
- Fully compliant with the PN-EN 1065 standard for class B props.

INDEX	NAME	WEIGHT [kg]
7120001300	EASYPROP 300	14,6
7120001350	EASYPROP 350	16,5
7120001400	EASYPROP 400	18,5

PRODUCT DESCRIPTION

- The prop structure consists of two galvanized steel tubes – an inner tube with holes and an outer tube with a rolled adjustment thread – along with a cast adjustment nut, a locking pin (g-pin), and two plates forming the top and bottom bases. All machined areas are additionally protected with a hot-dip galvanized coating. The nut is powder-coated in orange after galvanization.
- The thread is produced using an innovative tube-rolling technology that eliminates the need for additional welds, which could weaken the outer tube and make it prone to corrosion. The thread is rolled after galvanizing, ensuring high precision and smooth operation of the adjustment nut.
- All processing steps, including adjustment holes, are made using laser technology, eliminating manufacturing inaccuracies and minimizing negative effects associated with traditional metalworking.
- The lightweight and durable construction ensures trouble-free, long-term use, reducing storage and transport costs. This increases environmental responsibility and helps reduce the carbon footprint.
- The prop has been designed, manufactured, and tested in full compliance with the PN-EN 1065 standard.

PURPOSE / METHOD OF USE

- The EASYPROP is made of galvanized steel tubes and is designed to carry vertical compressive loads in temporary slab supports and systemized slab formwork.
- The prop can be used with the inner tube positioned either upwards or downwards. It features a rolled external thread that allows smooth height adjustment throughout its full working range. At maximum retraction, a safety clearance is maintained to protect the installer's hand from being crushed.
- A safety mechanism prevents the inner tube from sliding out, ensuring full protection while handling the prop.

TECHNICAL SPECIFICATIONS

PARAMETER	EASYPROP 300	EASYPROP 350	EASYPROP 400
Outer tube diameter [mm]	60,3	60,3	60,3
Outer tube wall thickness [mm]	3,2	3,2	3,2
Inner tube diameter [mm]	48,0	48,0	48,0
Inner tube wall thickness [mm]	3,0	3,0	3,0
Base plate thickness [mm]	6,0	6,0	6,0
Base plate dimensions [mm]	120x120	120x120	120x120
Minimum height [mm]	1722	1996	2500
Maximum height [mm]	3000	3500	4000
Weight [kg]	14,6	16,5	18,5

PERMISSIBLE LOAD [kN]

PROP WORKING HEIGHT	300	350	400
180 cm	30,9		
190 cm	29,7		
200 cm	24,5	30,9	
210 cm	23,7	30,9	
220 cm	22,9	30,9	
230 cm	20,6	30,9	
240 cm	18,2	30,9	
250 cm	17,5	25,9	30,9
260 cm	16,2	23,8	30,9
270 cm	15,4	23,1	30,9
280 cm	14,1	22,2	27,1
290 cm	13,5	19,7	24,1
300 cm	12,8	18,9	23,2
310 cm		17,5	22,0
320 cm		14,9	19,7
330 cm		14,3	17,7
340 cm		13,4	17,1
350 cm		12,4	14,8
360 cm			14,7
370 cm			13,0
380 cm			12,3
390 cm			11,9
400 cm			10,7

CHARACTERISTIC LOAD CAPACITY [KN]

PROP WORKING HEIGHT	300	350	400
180 cm	51,0		
190 cm	49,0		
200 cm	40,4	51,0	
210 cm	39,1	51,0	
220 cm	37,8	51,0	
230 cm	33,9	51,0	
240 cm	30,1	51,0	
250 cm	28,9	42,8	51,0
260 cm	26,7	39,3	51,0
270 cm	25,4	38,1	51,0
280 cm	23,3	36,6	44,8
290 cm	22,2	32,6	39,7
300 cm	21,1	31,1	38,3
310 cm		28,9	36,2
320 cm		24,7	32,5
330 cm		23,5	29,2
340 cm		22,0	28,3
350 cm		20,4	24,4
360 cm			24,2
370 cm			21,4
380 cm			20,3
390 cm			19,6
400 cm			17,7

The tests were conducted in full compliance with the requirements of the PN-EN 1065 standard.

$$\text{PERMISSIBLE LOAD [kN]} = \frac{\text{Characteristic load capacity [kN]}}{\text{1,65 (safety factor)}}$$

Characteristic load capacity - the value of the load of the support determined in accordance with current standards, which does not include any partial safety factors necessary for the safe use of the support on the construction site. Characteristic load capacity is used to distinguish and classify supports.

Permissible load - the highest value of load determined in accordance with current standards, taking into account the partial safety factors necessary for safe use of the support on the construction site. The allowable load guarantees the safe use of supports under construction conditions.

Safety factor - Is the product of the partial material safety factor (1.1) and the load variation factor (1.5) necessary for the safe use of the support at the construction site.

TECHNICAL DRAWINGS / PHOTOS







