

product CATALOGUE

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Sale

Rent

Formwork

Scaffolding



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BAU-FORM limited liability company, limited partnership - is a company with highly professional staff with many years of experience in formwork and scaffolding. We offer equipment that meets the highest requirements. We also provide professional technical advice in the field of optimal and correct use of equipment. We always offer our clients the best solutions.

We encourage you to contact us!

The main areas of the company's activity are sales and leasing of:

- foundation formwork,
- wall formwork,
- ceiling formwork,
- formwork accessories,
- facade scaffolding,
- modular mobile and aluminum scaffolding,
- temporary fences,
- office, social, sanitary and storage containers,
- poplar, panel and birch plywood.



BF 120 WALL FORMWORK



The BF 120 steel formwork from Bau-Form is a top quality product made of the highest quality materials. The construction of steel large-surface wall formwork enables their joining in any order. The formwork panels are intended for multiple use, both in vertical and horizontal position. The panels can be made with fixing holes compatible with steel formwork of such producers as DOKA, PERI.

The structure of the Bau-Form formwork is made of steel profiles 12 cm thick, which are filled with a laminated 2 plywood sheeting with a thickness of 18 mm. The formwork system withstands fresh concrete pressure up to 80 kN / m. The boards can be used with a crane boards with the width of 90 to 240 cm) or without its use (boards with a the width of 25 to 90 cm). Many different reinforced concrete constructions, such as walls, foundation footings, pillars and binding joists, can be carried out with the use of Bau-Form steel formwork.

Main technical features:

Frame protection against corrosion	Phosphating	Polymer
Coating	powder Laminated plywood	
Board covering	18 mm 52 kg / sqm	
Weight average indicator	80	
Strength of concrete pressure, kN/m ²		

Total dimensions of boards, cm:

Height	from 120 to 330
Width	from 20 to 240
Profile	12

BF 120 WALL FORMWORK

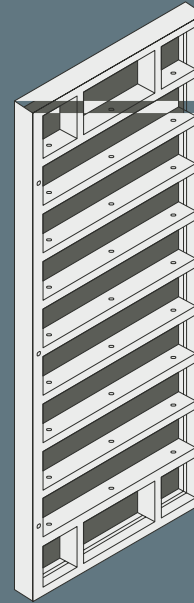
They are designed for shuttering straight sections of walls. They consist of a frame and plywood. The plate's frame is made of closed profiles made of high-quality steel, and its anti-corrosion protection is made by powder coating. Frames protected by hot-dip galvanizing can be made on request.

The cover is made of multi-layer waterproof plywood coated on both sides with a resin coating.

It guarantees high quality of concrete surface and a very long life of formwork surfaces. Permissible - 2 pressure concrete for slabs is 80 kN/m².

Dimensions and weight of BF 120 wall panels:

height [cm]	120	150	270	300	330
width [cm]	mass [kg]				
240			327,60	365,10	398,70
120	71,50	85,70	171,20	190,70	212,30
110	65,10	78,30	152,60	172,60	201,30
100	60,70	73,20	138,40	158,30	175,60
90	56,40	68,00	114,30	126,00	140,20
80	49,80	60,50	103,00	113,60	126,70
75	47,60	57,80	98,80	109,00	121,40
70	45,50	55,30	94,50	104,30	116,20
65	43,3	52,80	90,30	99,70	111,00
60	41,20	50,20	86,10	95,00	105,60
55	39,00	49,30	81,90	90,40	100,50
50	36,80	45,00	77,60	85,70	95,20
45	34,60	42,20	73,40	81,20	89,30
40	32,40	39,60	69,00	76,00	84,20
35	28,00	34,50	64,70	71,40	79,80
30	27,30	34,50	60,40	66,70	73,30
25	26,50	32,20	56,30	62,10	68,50
20	25,50	30,60	52,30	57,50	65,40



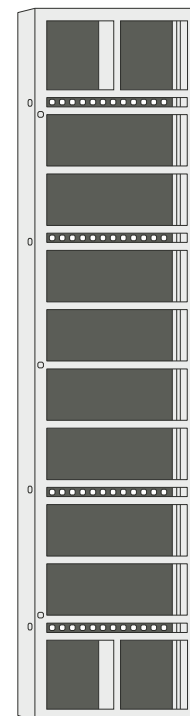
BFS 120 UNIVERSAL PANELS

The construction of a universal panel differs from the design of a slab due to several rows of holes for tie rods at the distances of 50 mm.

The universal panel is used to form square and rectangular posts and to create "T" and "П" board-shaped joints.

Dimensions and weight of BFS 120 universal panels:

height [cm]	120	150	270	300	330
width [cm]	mass [kg]				
120	73,00	90,70	182,30	199,80	211,30
90	55,00	63,00	121,10	134,50	148,30
75	45,00	63,00	94,50	117,20	129,40



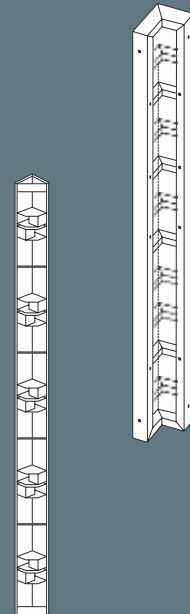
INTERNAL CORNERS

The internal corners are designed to create the inner side of a straight corner of a building's wall. They consist of a frame and plating.

The internal corner frame is 12 cm thick, and the plywood sheathing is 18 mm thick.

Dimensions and weight of internal corners:

height [cm]	120	150	270	300	330
width [cm]	mass [kg]				
30	40,00	49,00	84,70	93,60	102,50



Dimensions and weight of external corners:

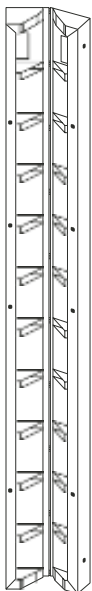
height [cm]	120	150	270	300	330
width [cm]	mass [kg]				
12	19,80	24,78	44,08	48,74	53,72

HINGED INTERNAL CORNERS

The hinged internal corners are designed to create intermediate angles of the building walls (internal and external formwork). They consist of two frames connected by a hinge and plating. The corners extend from a minimum 60° to a maximum 270°.

Dimensions and weight of articulated corners:

height [cm]	120	150	270	300	330
width [cm]	mass [kg]				
30	42,00	55,00	89,20	98,40	108,30

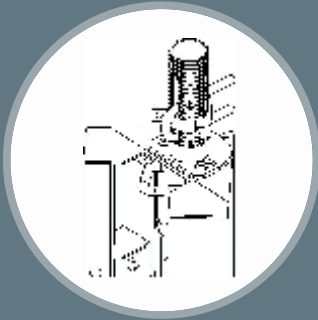


STRIPPING CORNERS

Stripping corners also commonly called the elevator corner is designed to open internal closed loops (e.g. the walls of the elevator or the duct). This makes it possible to create the formwork of the internal board formwork without the need to disassemble the elements.

Dimensions and weight of shuttering corners:

height [cm]	270	300	330
width [cm]	mass [kg]		
30	178,60	198,30	217,60



COMPONENTS FOR SHUTTERING WALLS, COLUMNS AND POSTS

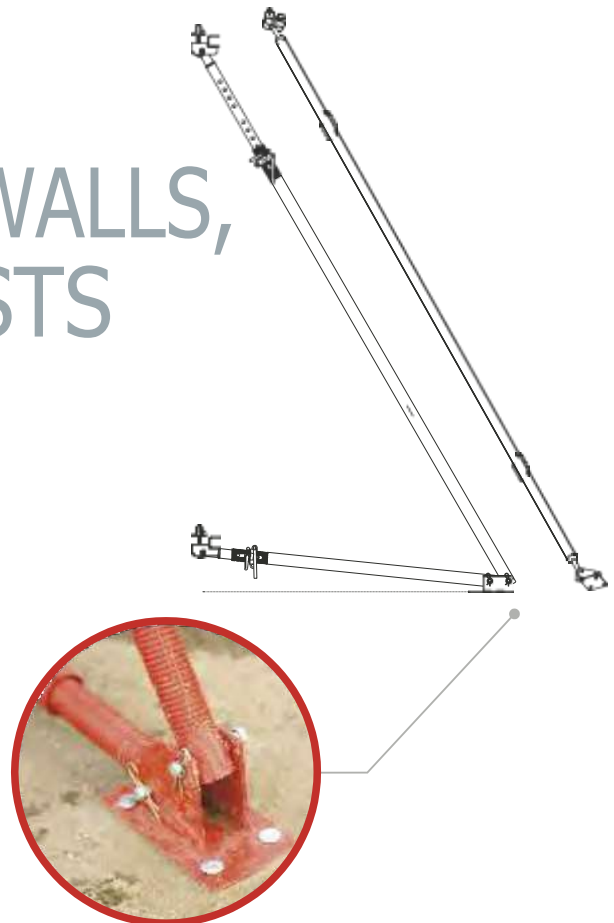
PANEL SUPPORT

Designed for mounting and aligning boards or panels in a vertical position.

Two types:

- One-arm support consisting of one telescopic part. One-arm supports are 2.5 to 4.5 m long.
- A two-arm support consisting of two telescopic parts. One longer and one shorter. The length of a two-arm support ranges from 2.5 m to 12 m.

A head is installed on the upper part of the support in order to attach it to the frame of the plate. In the lower part there is a support foot for attaching the support to the ground.





BF 120 BASIC CLAMP

Used for joining formwork shuttering boards. The clamping element of the fastener is a special wedge. The fastener is closed with a hammer weighing no more than 400 g.



BF 120 UNIVERSAL CLAMP

Used to connect panels together. The clamping element of the fastener is a special wedge. The fastener is closed with a hammer weighing no more than 400 g. It is mounted directly on the supporting frame of the board and additionally plays the role of a leveling beam. It allows putting inserts up to 100 mm wide between panels.



BF 120 LEVELING CLAMP

Used for joining shuttering boards. The clamping element of the fastener is a nut. It allows putting inserts up to 200 mm wide between panels.



BF 120 SIDE ANCHOR

It has a wide application in formwork systems. Used when connecting universal boards in a „T“ shape; when connecting the line boards together; when installing leveling beams, etc. It has several modifications, depending on the purpose and formwork system.



NUT FI 100

It is used for attaching side hooks and corner tensioners to wall and column formwork.



COMBI PLATE

It is used to connect formwork panels in a monolithic construction, the main feature of this nut is a hinge that allows screw anchors to be bolted at an angle of up to 15 degrees. Product specifications: steel, size - 120x120 mm.



TIE ROD

Used to connect opposite boards. It is a steel rod that is a structural element of the formwork. The complete brace consists of a tie rod and two nuts. It is used in all formwork systems.



BF 120 STIFTING BEAM

Used for joining shuttering boards and supplementary inserts to stiffen joints and maintain a straight line. It is used with a corner tensioner and 100 nuts. It is available in lengths from 1.0 m to 3.0 m.



TIGHTENER

Used to attach a stiffening beam to shuttering boards to stiffen and maintain a straight line of formwork. Available in lengths of 30 cm and 50 cm.

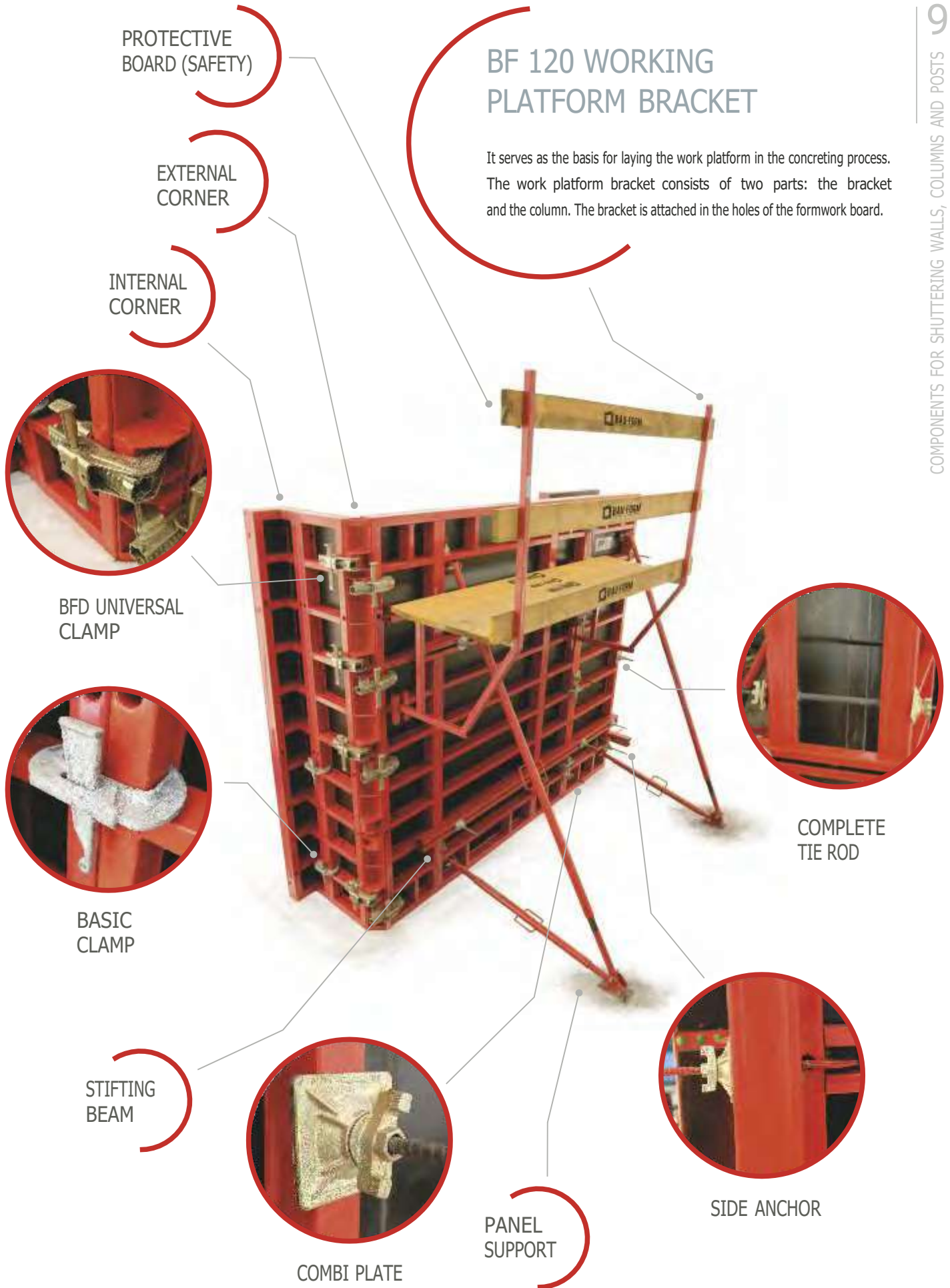


BF 120 TRANSPORTATION HOOK

The transportation hook allows safe and efficient transport of individual formwork panels.

BF 120 WORKING PLATFORM BRACKET

It serves as the basis for laying the work platform in the concreting process. The work platform bracket consists of two parts: the bracket and the column. The bracket is attached in the holes of the formwork board.



CEILING FORMWORK SYSTEM

The ceiling formwork system is intended for laying horizontal reinforced concrete structures (ceilings, beams, etc.) in monolithic construction. The simplicity of the structure enables quick and accurate execution of formwork under the ceiling of any shape and complexity. Professionally assembled and "exposed" ceiling formwork have sufficient durability, not only to withstand the very process of laying concrete (concreting), but also to use it as a platform for receiving goods at heights.

This system can be conditionally divided into two parts:

- support system: support, tripod, cross head.
- covering: H20 girder and plywood.

Advantages of ceiling formwork:

- quick assembly and disassembly;
- any height and shape of the ceilings;
- safety in operation;
- used as facade scaffolding;
- high load capacity.

ELEMENTS OF CEILING FORMWORK

CEILING SUPPORT

It is used to transfer the load from the ceilings. Height control is carried out by means of an external thread and a nut with a self-cleaning thread. The adjustment range is 125mm so that the support can be set to any height in the full range from the minimum to the maximum. Corrosion protection can be made by powder painting, hot dip galvanizing or galvanically.

Basic dimensions and support characteristics:

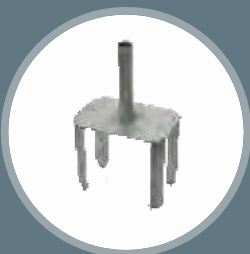
adjustment range [m]	bearing capacity [kN]
1,25 - 2,00	20
1,85 - 3,00	20
2,10 - 3,50	20
2,60 - 4,10	20
2,90 - 4,50	20
3,30 - 5,50	20





CROSS HEAD

Cross head - used to connect the support part to the plating. The main purpose of the head is to fix the girder in a strictly vertical position. The installation of the cross head is possible both for the pillar supporting one girder and for the pillar supporting two girders at their connection point.



TRIPOD

Tripod - used to attach the support in the plane in a strictly vertical position and (to) prevent it from tipping over. Three reference points make it possible to fix the support rigidly on a flat surface. The strictly vertical position of the support allows to increase the resistance to dynamic horizontal loads created during casting and vibrating concrete.



H20 BEAM

The wooden I-beam is a part of the ceiling formwork. Its task is to transfer loads from reinforcement and concreting to floor supports.

Basic parameters:

- Weight - 5,2 kg/mb
- Beams are impregnated with a formulation intended for prophylactic protection of wood against biological damage, dyes, mould and insects. It also protects against the destruction of beams in harsh operating conditions, with high humidity and prolonged contact with water. The coating is resistant to weather conditions and has a strong antiseptic effect.

Basic lengths of beams:

1,2; 1,5; 1,8; 2,5; 2,7; 3,0; 3,3; 3,6;
3,9; 4,2; 4,5; 4,9; 5,9 m.



SHUTTERING PLYWOOD

BIRCH

Laminated plywood is one of the materials used to create the formwork of a monolithic ceiling. It is characterized by very high durability. The plywood is made of birch wood, covered with a layer of phenol film of various weights. High quality wood provides high strength and abrasion resistance. The side edge of the plywood is secured with a waterproof preparation that allows the use of plywood in the presence of water and 3 chemically active agents. The density of birch plywood is around 700kg/m^3 .

Standard sheet sizes, mm.:

- 1250 x 2500
- 1500 x 3000
- 1220 x 2440

Standard sheet thicknesses, mm.:

9; 12; 15; 18; 21.

Standard film densities, g / m²:

120; 167; 220.

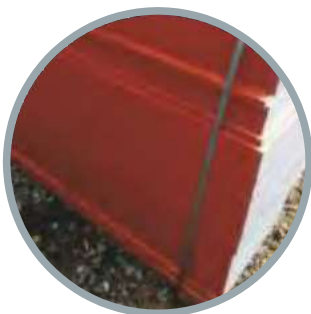


THREE-LAYER PLYWOOD

The three-layer plywood is made of high-quality coniferous wood. The board consists of three layers of equal thicknesses of stacked and cross-laminated wood (the outer longitudinal layers are glued with a central crosswise). The boards are covered with a layer of melamine resin, which ensures high water resistance and mechanical strength. There is a forged or unforged plywood panel available.

Thickness: 21 mm

Dimensions: 150x50, 50x200



POPLAR

Poplar plywood consists of poplar wood veneers laid with grains crosswise. It is a good alternative for birch and three-layer plywood. Plywood covered with phenolic film in brown or black with a weight of 120g/m^2 . The density of poplar plywood is about 550kg/m^3 .

Thickness: 18 i 21 mm

Dimensions: 1250x2500, 1220x2440



14 FORMWORK ACCESSORIES



Tie wire - used to connect the reinforcement. Heat treated. Diameter 1,2 mm.



Release agent - used to lubricate the formwork surfaces, which ensures easy separation of the plywood from the concrete.



Distance clinch

Cover vertical reinforcement: 15 - 50 mm. Reinforcement size: 4 - 25 mm. Packing: 250-1000 pcs.



Universal MULTI-STANDING STAND Support

Number of protective layer: 20 - 35 mm. Reinforcement size: 4 - 25 mm. Packing: 500 pcs.



PVC pipe

Inner diameter: 22 mm. Outer diameter: 25 mm. Length: 2.0 m.



Cone

Diameter: 22 mm. PVC tube Packing: 1000 pcs.



Cork (end cap)

Diameter: 20 - 26 mm. Packaging: 1000 pcs.



Concrete distance, trapezoidal slat

Size: 20 mm - 70 mm. Length: 2,00 m.



AL Ceiling spacer strip

Size: 20 mm - 50 mm. Length: 2,00 m.



EX 22/8 Stopper cone

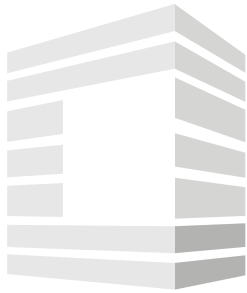
EX 22/8 W Stopper after cone



Triangular strip

Size: 15/21 mm, 20/20 mm. Length: 2,50 m.

NOTES



BAU-FORM
FORMWORK & SCAFFOLDING

BAU-FORM Spółka z ograniczoną odpowiedzialnością Sp. k.
ul. Za Strumykiem 12
83-304 Przodkowo
e-mail: biuro@bau-form.pl
NIP 589-202-85-12
REGON 365772257

Sales Representative:
Mieczysław Ratajczyk
tel.: 534 516 795
mieczyslaw.ratajczyk@bau-form.pl



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