GBM

SHORING AND SCAFFOLDING

ENGLISH 04 / 2026

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Our history

Born in 1954 under the name Goffi Snc, the company manufactured props, gates, railings and wheelbarrows entirely made of metal, a ground-breaking novelty back in the day for this equipment mainly made of wood back then.

This paved the way for 20 years of success, marked by major investments in procuring leading-edge machines and constructing new production spaces, with the aim of delivering considerable orders. This helped Goffi to stand out from the crowd becoming one of the top players in the Italian construction industry in the late 70s.

In the early 80s, construction products took various international markets by storm, thus consolidating the percentage deriving from the export of this product in the company's turnover.

Besides the main business, mainly regarding the manufacture of building equipment, there followed the business related to steelworks products with major manufacturing volumes (6000 tons of profiles manufactured and sold monthly) to an extent that the company decided to separate the different activities into an equal number of manufacturing activities under different companies in 1997.

Thus, the construction industry branch of business was assigned to Goffi - the parent company - whose production now gravitates around props, scaffolding and any other equipment suitable for the construction industry.

This was back in 2012 and Goffi became GBM Building Equipment as known today. It mainly focused on expanding at global level, operating in more than 90 countries, scattered across the globe, supplying props and scaffolding.

Today, besides direct management by the owners, which allows painstaking supervision of the company and in-depth knowledge of the market, GBM building equipment also focuses on the following factors: high production flexibility, based on more than 60 years of history, ability to swiftly meet the considerable international demand in a lean and safe manner, as well as customised requests from international customers.







Timeline

1954

Foundation of the Goffi S.n.c. metalwork workshop, engaged in the production of props, wheelbarrows, gates and railings. Production of props was at the core of the firm's history right from the word go. Right from the start, the company always stood out for its ability to meet market demands: while the competitors' production still historically leaned towards wheelbarrows made of wooden parts, Goffi S.n.c. became the first Italian manufacturer of wheelbarrows entirely made of metal.

1965

Construction works regarding a new 1000 sqm production factory (used up to date as a production unit) commence in Villanuova sul Clisi. The business, which had become Fratelli Goffi S.p.a. in the meanwhile, developed from a semi-handicraft to actual industrial production. Focus shifts to production of building equipment. Workers exceed 30 units reaching considerable production volumes exceeding 50,000 props per year.

1972

Expansion of the production factory by installing the first strip profiling line, thus allowing the production of welded pipes. This is another milestone towards finding innovative solutions, this being the first example of product verticalization in the industry in Italy. Strip profiling allows machining a wide range of products, marking the beginning of growth of the share of turnover deriving from the export, mainly in Middle East and Africa at this stage.

1979

The building products demand plays an increasingly important role in the international markets, consolidating the share of turnover deriving from exports.

1983

The company continues to expand, adding other ferrous metallurgy products to the conventional manufacturing of building products, with further expansion of production lines from one to three. Monthly production and sales of profiles exceed 6000 tons with customers now including even other companies operating in the ferrous metallurgy industry, with the latter manufacturing their finished products starting from pipes manufactured by Fratelli Goffi.

1990

Twenty-fifth anniversary of Fratelli Goffi S.p.a., which had recently expanded its horizons through acquisitions including, among others, A.Tra Trafileria and Edilsiderurgica, which now helps Gruppo Goffi to understand various companies specialised in every ferrous metallurgy production field.

1997

Separation of pre-existing activities into different production units. The construction industry became the chief activity of Nuova Goffi, whose production now focused on props, scaffolding and any other equipment suitable for the construction industry.

2005

Thanks to state-of-the-art technologies and production methods, Nuova Goffi was awarded certificates and technical approvals compliant with the standards required by all entities and countries, including those traditionally precluded for Italian companies.

2012

As a year, this marks the turning point for Nuova Goffi: becoming G.B.M. Building Equipment conferring an even more international image to the company. GBM's priority is to expand at global level and this is achieved by supplying its products in more than 80 countries scattered across the globe.

Today

With more than seventy years of experience in the production of building equipment, GBM combines production volumes aimed at meeting international market demand with the fact that the company is directly managed by its owners with the aim of meeting any customer demand.

Just like it has always done across its history, GBM is capable of:

Meeting product customisation demands as well as periodic launch of ground-breaking innovative models in the market (including heavy-duty props with coloured ring nut);

Consulting with the customer at all times with the aim of addressing any problem or need, by directly contacting the customer or owner of the company and thus avoiding endless formalisms and procedures that often characterise giant companies;

Providing diversified solutions including products featured in its catalogues as well as second-hand products, so as to be able to offer products deemed most appropriate for the needs of each and every customer;

Operating on products of any quality range, with the ideal quality/price ratio in mind at all times.

Our story continues on www.gbmitaly.com

In the world

ISO 9001:2015 certified

GBM props and scaffolding: made in Italy, certified in Germany, used worldwide.

Back in 1954, we - at GBM - started off as an Italian company, based in the province of Brescia.

Today, more than 60 years down the line, **props and scaffolding made in Italy** by GBM are mainly designated for worksites abroad, scattered across the globe.

Small companies, dealers in building materials, large engineering and infrastructural projects worksites: GBM products can ideally be used in anywhere **top-quality**, **certified and long-lasting scaffolding and props** are needed.

This is why, for more than 60 years, players in the building industry have learnt to recognise the value of our company as well as our products. This inspires us to strive towards constant improvement so as to meet the expectations of those who have been using our products for years and still opt for the quality we strive to achieve at every supply all the time.

Expertise and awareness about the actual needs of a worksite are not traits you can fake. Same case applies to products that are safe, certified and capable of effortlessly meeting the most demanding **international standards**.

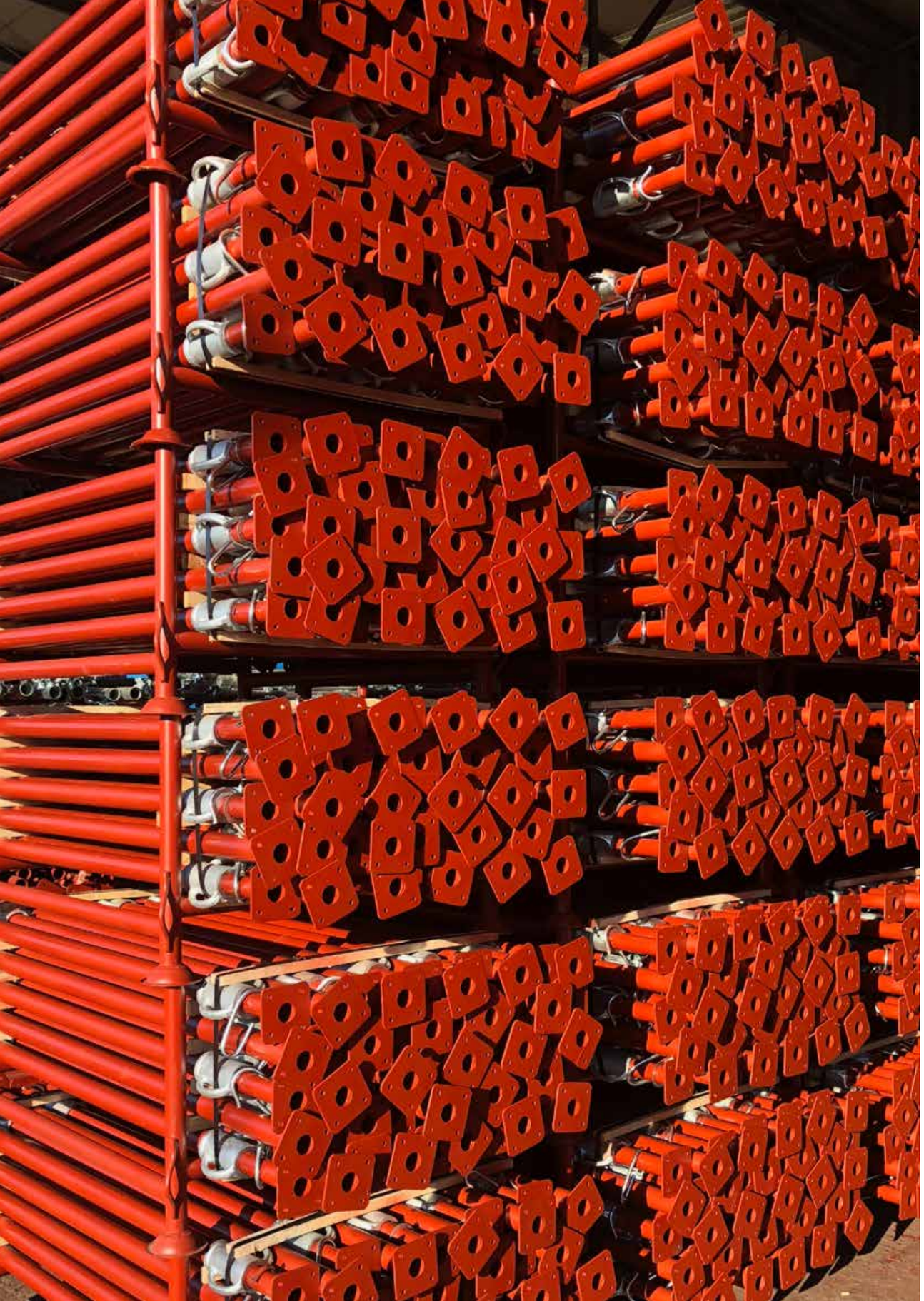
And this is the reason why GBM products have been widely acclaimed across global markets irrespective of language, culture and specific needs of worksites.

Because quality knows no bounds.

- Albania
- Algeria
- Angola
- Argentina
- Australia
- Austria
- Belgium
- Benin
- Bosnia Herzegovina
- Brazil
- Bulgaria
- Burkina Faso
- Cameroon
- Canada
- Cape Verde
- Central African Republiic
- Chile
- Colombia
- Congo
- Costa Rica
- Croatia
- Cuba
- Cyprus
- Czech Republic
- Denmark
- Dominican Republic
- Ecuador
- El Salvador
- Ethiopia
- Estonia
- Finland
- France
- Gabon
- Gambia
- Georgia
- Germany
- Ghana
- Guatemala
- Guinea
- Guinea Bissau
- Hungary
- Iceland
- Ireland
- Israel
- Italy
- Ivory Coast
- Jamaica
- Kenya
- Latvia
- Lebanon
- Libya
- Lithuania
- Luxembourg
- Madagascar
- Mali
- Malta
- Mauritania
- Mexico
- Moldova
- Montenegro
- Morocco
- Mozambique
- Namibia
- Netherlands
- Niger
- Nigeria
- North Macedonia
- Oman
- Peru
- Poland
- Portugal
- Qatar
- Romania
- Russia
- Saudi Arabia
- Senegal
- Serbia
- Sierra Leone
- Slovakia
- Slovenia
- South Africa
- Spain
- Sweden
- Switzerland
- Tanzania
- Togo
- Tunisia
- United Kingdom
- Ukraine
- United Arab Emirates
- United States of America



Our products are currently used in these countries (March 2025).
For more information please visit www.gbmitaly.com



GBM

Shoring Props

Manufacturing building props.

QUALITY MATERIALS

DURABILITY AND RESISTANCE

SAFETY

Made in Italy, certified in Germany, used worldwide.

We - at GBM - have been designing, manufacturing and selling props for more than 60 years. This is why construction companies across the world opt for our products.

Props are the starting point in every multi-storey building construction. They are generally classified into: light props, french props, DIN EN 1065 props, push-pull props, forked props, aluminium props and loading towers.

Besides helping you save materials and time, these props are a safe bet to achieve your results at the worksite.

Ever groundbreakers, since back when we were just small-scale manufactures up to today when we utilise the most advanced metal and finished product machining techniques, always striving to achieve top-notch production.

Our props meet all the quality standards required by the most demanding standards regulations worldwide, throughout the entire manufacturing process.

Furthermore they are compatible with the most widespread formwork systems.



Props manufacturing steps.

Props machining steps: we manufacture our products with utmost care, in compliance with the toughest standards in Italy and in Europe.

GBM products are sold all over the world. Thus, each and every product must comply with safety and reliability standards always exceeding the standards required in the country of use.

Setting up a safe construction site requires compliance with strict standards, right from the choice of materials used for setting up the worksite. Our products guarantee safety and reliability for our customers. And for the customers of our customers. Here are the steps for manufacturing a certified GBM prop.

PROJECT — It all starts with our customer's needs. Whether you are a dealer in building materials on the other corner of the globe, or a major constructor striving to complete a large project, or a small-scale construction company, the first step always lies in identifying which products you actually need.





RAW MATERIAL — Our technical department will then select the raw material depending on the required type of prop, by verifying the quality of the steel.

CUTTING — Steel pipes (both external and internal) **are then cut to size with a +/-1 mm tolerance**. Cutting is done using automatic cutting machines: a bundle of pipes is placed on the loader which selects one pipe at a time. It is then loaded on a positioning device and cut precisely at the desired height. Lastly, the pipe is unloaded into a container for the subsequent step.





DRILLING — Then there follows the drilling step, which is carried out depending on the type of pipe. Due to the new technologies, the drilling is quick, precise and burr-free.

WELDING — External pipes proceed to the welding step, where - suitably positioned - they are assembled with the base plate (previously forged by 250-ton press machines) and the end is threaded (this is obtained through a rolling-forming process, which reinforces its structure). Once drilled, the internal pipes undergo the same welding process but concerning the plate only.





COATING AND GALVANISING — Once welded, the props can be: dip coated, cold-dip galvanised (electrolytically), for a more durable protection with respect to dip coating and for better aesthetic quality, or hot dip galvanised for a basically permanent protection, suitable for all environments and withstanding external atmospheric agents.

FINISH — Depending on the product, next come the completion steps including: mounting an outer sleeve on the covered threading or a forged steel ring nut on which the product identification code is stamped; marking the plates with the customer's identification code.





CUSTOMISATION — Customised products are available upon request: for example with a ring nut bearing the customer's colours, or the customisation of the prop using stickers bearing the customer's logo.

CAPACITY TEST — We perform in-house tests (capacity tests) on randomly collected samples.





PACKAGING AND SHIPMENT — Once concluded with machining, we proceed to the packaging step. Packages usually come with 50 pieces, strapped. The material is then loaded into a truck or container and shipped.

"Italia" light props.

Approval certificates
The approval certificate for the standard telescopic Italia prop model is the quality assurance issued by a prestigious University Institute. The certificate guarantees perfect functionality of the telescopic prop under load.

PDF available on www.gbmitaly.com

"Italia" prop is a standard light steel shoring system: the most used in Italy.

Given its popularity and history, fruit of a typical Italian tradition, it is Italy's benchmark prop abroad.

It is easy to spot due to its distinctive red colour.

Being resistant and economic, it suits any use when it comes to propping.

Italia props are hot dip coated in red (with galvanising option upon request).

The holes located in the inner pipe at a 100 mm interval, can reach extensions varying between 50 and 500 cm.

They are compatible with most accessories of other formworks and floors.

GBM light duty prop comes with the following features:

» Drilled inner pipe with holes (with accurate precision and burr-free) every 100 mm so as to enable the adjustment of the prop;

» S235JR steel inner and outer pipe according to the UNI EN 10219-1 / 2 standard;

» 8 mm pitch threaded adjustment sleeve with welded handles;

» Male threaded directly onto the outer pipe, or welded, obtained through rolling-forming that is without removing material;

» Lower plate, available in flat or rounded version;

» Upper plate available in three versions (plate, crosspiece or fork);

» High resistance safety hook for fixing between the inner and outer pipe;

» Anti-shearing system which enables working under safe conditions at all times;

» Manufacturing standards: Italian Presidential Decree N° 164/56 ART. 7 – UNI EN 729-2:1996.

Upon request:

» Anti-disengagement system which enables quick release of the prop with little effort;

» Reinforcement at the foot consisting of mounting an extra 200mm tube on the outer one in proximity of the lower plate;

» Cast iron sleeve.





Loads table



We - at GBM - manufacture 11 different models of light steel props. They are classified according to maximum extension and capacity. Below are their technical features.

Extension	50-80	80-130	110-180	150-270	160-290	170-300	180-320	200-360	220-400	240-450	280-500
(m)	(kN)										
5,00	-	-	-	-	-	-	-	-	-	-	4,43
4,90	-	-	-	-	-	-	-	-	-	-	4,74
4,80	-	-	-	-	-	-	-	-	-	-	5,06
4,70	-	-	-	-	-	-	-	-	-	-	5,38
4,60	-	-	-	-	-	-	-	-	-	-	5,70
4,50	-	-	-	-	-	-	-	-	-	5,04	6,08
4,40	-	-	-	-	-	-	-	-	-	5,52	6,46
4,30	-	-	-	-	-	-	-	-	-	6,00	6,93
4,20	-	-	-	-	-	-	-	-	-	6,36	7,39
4,10	-	-	-	-	-	-	-	-	-	7,03	7,99
4,00	-	-	-	-	-	-	-	-	6,20	7,58	8,59
3,90	-	-	-	-	-	-	-	-	6,52	8,10	9,35
3,80	-	-	-	-	-	-	-	-	6,87	8,53	10,12
3,70	-	-	-	-	-	-	-	-	8,51	8,62	11,17
3,60	-	-	-	-	-	-	-	8,14	8,55	9,10	12,22
3,50	-	-	-	-	-	-	-	8,14	8,58	9,63	13,68
3,40	-	-	-	-	-	-	-	8,14	8,61	10,21	15,15
3,30	-	-	-	-	-	-	-	10,91	10,00	10,47	15,62
3,20	-	-	-	-	-	-	10,85	11,82	11,88	12,73	15,62
3,10	-	-	-	-	-	-	11,79	12,12	12,48	13,70	15,62
3,00	-	-	-	-	-	12,06	12,73	13,03	13,33	14,55	15,62
2,90	-	-	-	-	13,20	13,21	13,94	13,94	13,94	15,62	15,62
2,80	-	-	-	-	13,72	13,64	15,15	14,85	15,15	15,62	15,62
2,70	-	-	-	14,42	14,28	14,18	15,62	15,62	15,62	15,62	-
2,60	-	-	-	15,62	15,62	15,15	15,62	15,62	15,62	15,62	-
2,50	-	-	-	15,62	15,62	15,62	15,62	15,62	15,62	15,62	-
2,40	-	-	-	15,62	15,62	15,62	15,62	15,62	15,62	-	-
2,30	-	-	-	15,62	15,62	15,62	15,62	15,62	15,62	-	-
2,20	-	-	-	15,62	15,62	15,62	15,62	15,62	15,62	-	-
2,10	-	-	-	15,62	15,62	15,62	15,62	15,62	-	-	-
2,00	-	-	-	15,62	15,62	15,62	15,62	15,62	-	-	-
1,90	-	-	-	15,62	15,62	15,62	15,62	-	-	-	-
1,80	-	-	15,62	15,62	15,62	15,62	15,62	-	-	-	-
1,70	-	-	15,62	15,62	15,62	15,62	-	-	-	-	-
1,60	-	-	15,62	15,62	15,62	-	-	-	-	-	-
1,50	-	-	15,62	15,62	-	-	-	-	-	-	-
1,40	-	-	15,62	-	-	-	-	-	-	-	-
1,30	-	15,62	15,62	-	-	-	-	-	-	-	-
1,20	-	15,62	15,62	-	-	-	-	-	-	-	-
1,10	-	15,62	15,62	-	-	-	-	-	-	-	-
1,00	-	15,62	-	-	-	-	-	-	-	-	-
0,90	-	15,62	-	-	-	-	-	-	-	-	-
0,80	15,62	15,62	-	-	-	-	-	-	-	-	-
0,70	15,62	-	-	-	-	-	-	-	-	-	-
0,60	15,62	-	-	-	-	-	-	-	-	-	-
0,50	15,62	-	-	-	-	-	-	-	-	-	-

1kN=102kg

Dimensional table

"Italia" Prop	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Ø Outer tube (mm)	Plates	Factor of safety	Weight (Kg)
50-80	0,80	0,50	48,30	56,00	Yes	1,65	4,22
80-130	1,30	0,80	48,30	56,00	Yes	1,65	4,94
110-180	1,80	1,10	48,30	56,00	Yes	1,65	6,18
150-270	2,70	1,50	48,30	56,00	Yes	1,65	7,80
160-290	2,90	1,60	48,30	56,00	Yes	1,65	8,22
170-300	3,00	1,70	48,30	56,00	Yes	1,65	8,54
180-320	3,20	1,80	48,30	56,00	Yes	1,65	8,86
200-360	3,60	2,00	48,30	56,00	Yes	1,65	9,60
220-400	4,00	2,20	48,30	56,00	Yes	1,65	10,54
240-450	4,50	2,40	48,30	56,00	Yes	1,65	12,80
280-500	5,00	2,80	48,30	56,00	Yes	1,65	13,00

French props.

Approval certificates
The approval certificate for GBM's french props is the quality assurance issued by a prestigious University Institute. The certificate guarantees perfect functionality of the telescopic prop under load.

PDF available on www.gbmitaly.com

The french prop is the most common shoring system in France and in other French-speaking countries.

Being resistant and economic, it suits any use when it comes to propping.

It is available in a painted version (red dipping paint) or hot-dip galvanized version.

The french props can reach extensions varying between 110 and 400 cm, and the french fort props can reach extensions varying between 55 and 500 cm.

They are compatible with most accessories of other formworks and floors.

We – at GBM- manufacture 4 different models of french props and 7 models of french fort props – classified according to maximum extension and capacity.



GBM french prop comes with the following features:

» Drilled inner pipe with holes (with accurate precision and burr-free) every 100 mm so as to enable the adjustment of the prop;

» S235JR steel inner and outer pipe according to the UNI EN 10219-1 / 2 standard;

» 8 mm pitch threaded adjustment sleeve with welded handles;

» Male threaded directly onto the outer pipe, or welded, obtained through rolling-forming that is without removing material;

» Lower and upper plate available in flat version;

» High resistance safety hook for fixing between the inner and outer pipe;

» Anti-shearing system which enables working under safe conditions at all times;

» Manufacturing standards: Italian Presidential Decree N° 164/56 ART. 7 – UNI EN 729-2:1996.

Upon request it's available the anti-disengagement system which enables quick release of the prop with little effort.



Loads table



We - at GBM - manufacture 4 different models of french props and 7 models of french fort props.

Extension	110-180	170-300	200-360	220-400	FORT 55-80	FORT 80-130	FORT 110-180	FORT 170-300	FORT 200-360	FORT 250-450	FORT 300-500
(m)	(kN)										
5,00	-	-	-	-	-	-	-	-	-	-	8,80
4,90	-	-	-	-	-	-	-	-	-	-	9,90
4,80	-	-	-	-	-	-	-	-	-	-	11,00
4,70	-	-	-	-	-	-	-	-	-	-	12,15
4,60	-	-	-	-	-	-	-	-	-	-	13,55
4,50	-	-	-	-	-	-	-	-	-	12,75	14,70
4,40	-	-	-	-	-	-	-	-	-	13,45	15,45
4,30	-	-	-	-	-	-	-	-	-	14,60	15,95
4,20	-	-	-	-	-	-	-	-	-	15,70	16,40
4,10	-	-	-	-	-	-	-	-	-	16,70	17,45
4,00	-	-	-	11,00	-	-	-	-	-	17,75	18,55
3,90	-	-	-	11,66	-	-	-	-	-	18,80	19,65
3,80	-	-	-	12,43	-	-	-	-	-	19,95	20,80
3,70	-	-	-	13,42	-	-	-	-	-	21,65	22,20
3,60	-	-	11,55	14,19	-	-	-	-	19,55	22,90	23,25
3,50	-	-	12,43	14,90	-	-	-	-	20,00	23,70	23,90
3,40	-	-	13,20	15,95	-	-	-	-	20,75	24,35	24,60
3,30	-	-	14,13	17,27	-	-	-	-	21,35	25,00	25,35
3,20	-	-	14,85	18,64	-	-	-	-	22,10	25,80	26,30
3,10	-	-	15,40	19,69	-	-	-	-	22,80	26,60	27,25
3,00	-	15,80	16,17	20,68	-	-	-	20,65	23,65	27,15	28,00
2,90	-	16,20	17,38	21,94	-	-	-	22,25	25,55	28,00	-
2,80	-	16,85	18,70	23,43	-	-	-	23,70	26,60	29,25	-
2,70	-	17,90	21,12	25,90	-	-	-	25,25	27,40	30,15	-
2,60	-	18,80	24,31	27,50	-	-	-	26,55	27,90	31,40	-
2,50	-	20,24	27,28	27,50	-	-	-	27,70	28,75	31,40	-
2,40	-	22,55	27,50	27,50	-	-	-	29,00	30,05	-	-
2,30	-	25,46	27,50	27,50	-	-	-	30,15	30,85	-	-
2,20	-	26,95	27,50	-	-	-	-	31,40	31,40	-	-
2,10	-	27,50	27,50	-	-	-	-	31,40	31,40	-	-
2,00	-	27,50	27,50	-	-	-	-	31,40	31,40	-	-
1,90	-	27,50	-	-	-	-	-	31,40	-	-	-
1,80	25,45	27,50	-	-	-	-	19,70	31,40	-	-	-
1,70	26,95	27,50	-	-	-	-	21,60	31,40	-	-	-
1,60	27,50	-	-	-	-	-	23,55	-	-	-	-
1,50	27,50	-	-	-	-	-	25,55	-	-	-	-
1,40	27,50	-	-	-	-	-	27,30	-	-	-	-
1,30	27,50	-	-	-	-	24,50	28,45	-	-	-	-
1,20	27,50	-	-	-	-	25,50	29,25	-	-	-	-
1,10	27,50	-	-	-	-	26,65	31,40	-	-	-	-
1,00	-	-	-	-	-	27,70	-	-	-	-	-
0,90	-	-	-	-	-	28,95	-	-	-	-	-
0,80	-	-	-	-	25,50	31,40	-	-	-	-	-
0,70	-	-	-	-	28,45	-	-	-	-	-	-
0,60	-	-	-	-	29,40	-	-	-	-	-	-
0,55	-	-	-	-	31,40	-	-	-	-	-	-

1kN=102kg

Dimensional table

French Prop	Extension max. (m)	Extension min. (m)	Ø inner tube (mm)	Ø outer tube (mm)	Plates	Factor of safety	Weight (Kg)
110-180	1,80	1,10	48,30	57,00	Yes	1,65	8,70
170-300	3,00	1,70	48,30	57,00	Yed	1,65	11,50
200-360	3,60	2,00	48,30	57,00	Yes	1,65	12,70
220-400	4,00	2,20	48,30	57,00	Yes	1,65	13,75
FORT 55-80	0,80	0,55	48,30	57,00	Yes	1,65	6,50
FORT 80-130	1,30	0,80	48,30	57,00	Yes	1,65	7,90
FORT 110-180	1,80	1,10	48,30	57,00	Yes	1,65	9,60
FORT 170-300	3,00	1,70	48,30	57,00	Yes	1,65	12,80
FORT 200-360	3,60	2,00	48,30	57,00	Yes	1,65	14,20
FORT 250-450	4,50	2,50	48,30	57,00	Yes	1,65	17,20
FORT 300-500	5,00	3,00	48,30	57,00	Yes	1,65	17,80

DIN EN 1065 props.

The DIN certificate for GBM Building Equipment DIN EN 1065 telescopic props is a quality assurance issued by a prestigious University Institute. The certificate guarantees perfect functionality of the telescopic prop under load.

PDF available on www.gbmitaly.com

DIN
UNI EN 1065

GBM DIN EN 1065 GBM props are heavy duty props. Designed to bear heavy loads - more than 30kN - they are at the core of GBM production.

Thanks to the certificate issued by the strict German technical institute “Technische Universität München”, they fully comply with the UNI EN 1065:1999 European standard.

This standard sets the toughest requirements worldwide as regards materials, design requirements and protection measures against corrosion.

The handle of the prop always features a marking bearing the following:

- The standard subject of compliance;
- Year of manufacture;
- Manufacturer Identification Code (G stands for GBM).

DIN EN 1065 heavy duty props come in the following versions:

- Coated;
- Electrolytically galvanized;
- Hot dip galvanized.

This type of prop can be customised using branded stickers upon request.

These products are compatible with most accessories of other formworks and floors.

GBM DIN EN 1065 props come in three models, depending on the guaranteed maximum capacity at the maximum extensions:



DIN EN 1065 class B

With variable capacity and available in variants with 182 to 400 cm extension.



DIN EN 1065 class D

With 20kN guaranteeed capacity and available in variants with 146 to 550 cm extension.



DIN EN 1065 class E

With 30kN guaranteed capacity and available in variants with 173 to 400 cm extension.

Below are the features of GBM “DIN EN 1065” EURO prop:

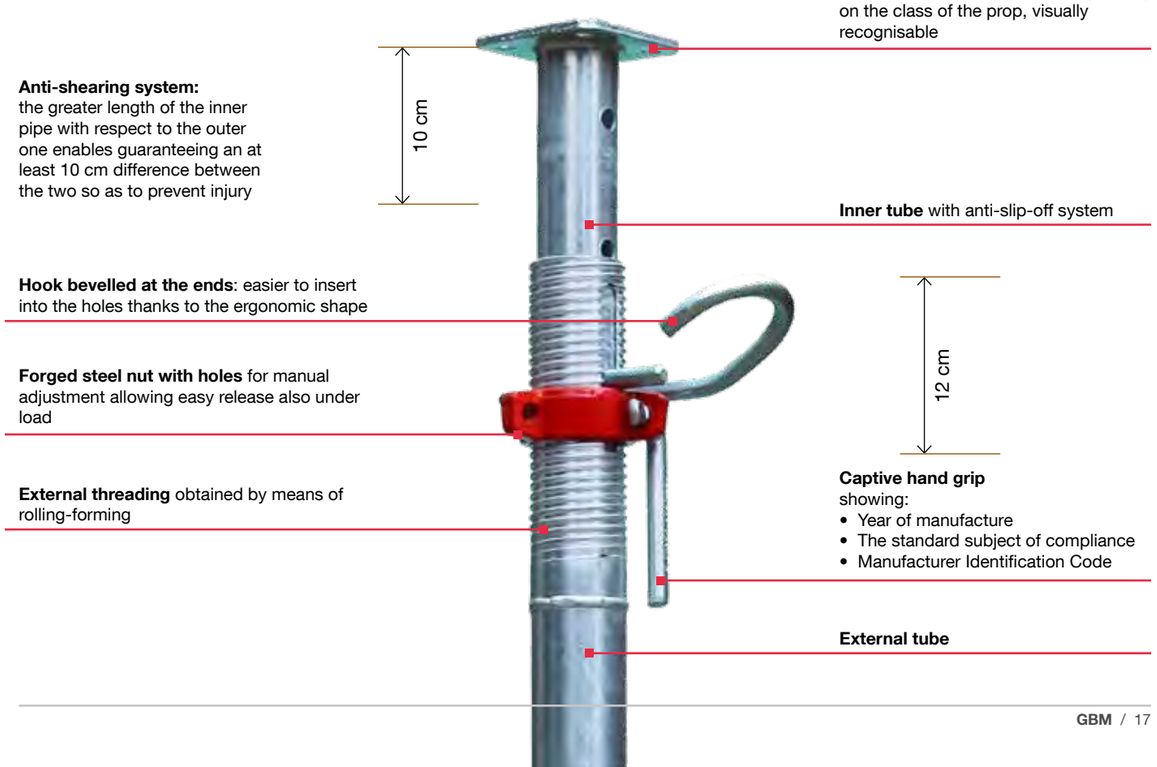
- variously shaped plates depending on the class of the prop, so as to make it immediately recognisable visually;
- forged steel adjustment ring nut with two supplementary holes, suitable for millimetric adjustment;
- hook bevelled at the ends: easier to insert into the holes thanks to the ergonomic shape;
- anti-shearing system: the greater length of the inner pipe with respect to the inner one enables guaranteeing an at least 10 cm difference between the two so as to prevent injury;
- outer threading obtained by means of rolling-forming, hence guaranteeing the wholeness of the material without removing any material of it;
- inner holes obtained using machines capable of perfectly machining them or by means of a milling system which obtains turnings on the surface of the pipe: both ways enable guaranteeing the complete absence of burrs near the holes;
- inner pipe anti-slip-off system, so as to prevent the pipe from inadvertently slipping off thus guaranteeing wholeness and safety when laying down and displacing at the worksite;
- three types of surface protections, obtained through the process of:
  - dip coating;
  - passivated electrolytic galvanising (tropicalisation), with guaranteed minimum thickness of 10 microns;
  - hot-dip galvanization, with guaranteed minimum thickness of 50 microns;

Upon request:

- sticker customised with customer’s logo, bearing information on capacity and maximum extension;
- quick release system, an accessory that guarantees release of the prop under the load by just hitting with the hammer to quicken and simplify the release procedure as well as reduce the operator’s effort;
- tripod stand capable of supporting the prop when laying on site and when laying the floor;
- three different types of fork for supporting the floor, depending on the manufacturer’s needs:
  - head stop fork (simple),
  - 4-way head,
  - fork referred to as “drop head”.

Beware: the capacities indicated in the table always refer to the capacity of the single post shore. Higher capacities can be achieved by binding, gate-like systems or pipe-coupling systems. The gate-like system is a temporary structure suitable for creating a loading tower. Binding the props in fours enables maximising the capacity. The pipe-coupling system provides for a pipe above and beneath with couplings; it is the same figure of the gate, which is more economic though less quick.

Technical characteristics



DIN EN 1065 class B props loads table

We - at GBM - manufacture three different models of the DIN EN 1065 class B props (B 30, B 35, B 40).

These are classified according to maximum extension (this model is capable of covering extensions between 1.82 m and 4.00 m) and capacity (higher with closed configuration).

Below are the technical features of each one of them.

Extension	B 30 (1,82 - 3,00 m)	B 35 (2,07 - 3,50 m)	B 40 (2,34 - 4,00 m)
(m)	(kN)		
4,00	-	-	11,60
3,90	-	-	12,60
3,80	-	-	13,10
3,70	-	-	13,90
3,60	-	-	14,80
3,50	-	15,80	15,50
3,40	-	17,00	16,20
3,30	-	18,10	17,10
3,20	-	18,30	18,30
3,10	-	20,20	19,40
3,00	21,10	20,80	20,10
2,90	23,10	21,00	21,30
2,80	24,80	21,10	22,80
2,70	27,00	21,40	25,90
2,60	28,90	22,00	30,00
2,50	30,60	23,30	30,00
2,40	32,10	25,10	30,00
2,30	34,00	28,80	30,00
2,20	36,80	30,00	-
2,10	39,00	30,00	-
2,00	39,00	30,00	-
1,90	39,00	-	-
1,80	39,00	-	-

1kN=102kg

Dimensional table

DIN EN 1065 class B Prop	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Ø Outer tube (mm)	Plates	Safe factor	Weight (Kg)
30	3,00	1,82	48,30	60,30	Yes	1,65	14,50
35	3,50	2,07	48,30	60,30	Yes	1,65	15,80
40	4,00	2,34	48,30	60,30	Yes	1,65	17,90



DIN EN 1065 class D props loads table

We - at GBM manufacture eight different models of DIN EN 1065 class D props (D25 ECO, D30 ECO, D35 ECO, D30, D35, D40, D45, D55). In some sizes, these products also come in the “eco” version, available at a lower price, but still capable of maintaining the guaranteed 20kn capacity at the maximum extensions.

The eight models are classified according to the maximum extension (comprised between 1,46 m and 5.50 m) and capacity.

Extension	D 25 ECO 1,46 - 2,50 m		D 30 ECO 1,82 - 3,00 m		D 35 ECO 2,10 - 3,50 m		D 30 1,73 - 3,00 m		D 35 1,98 - 3,50 m		D 40 2,25 - 4,00 m		D 45 2,50 - 4,50 m		D 55 3,03 - 5,50 m	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
(m)	(kN)															
5,50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21,80	24,00
5,40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22,90	25,20
5,30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23,90	26,30
5,20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,10	27,60
5,10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,60	29,30
5,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27,50	30,30
4,90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29,30	32,20
4,80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30,60	33,70
4,70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32,60	35,90
4,60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33,70	37,10
4,50	-	-	-	-	-	-	-	-	-	-	-	-	20,60	22,90	35,60	39,00
4,40	-	-	-	-	-	-	-	-	-	-	-	-	21,80	24,30	37,60	39,00
4,30	-	-	-	-	-	-	-	-	-	-	-	-	23,00	25,70	39,00	39,00
4,20	-	-	-	-	-	-	-	-	-	-	-	-	24,40	27,20	39,00	39,00
4,10	-	-	-	-	-	-	-	-	-	-	-	-	25,80	28,90	39,00	39,00
4,00	-	-	-	-	-	-	-	-	-	-	21,80	25,10	27,30	30,50	39,00	39,00
3,90	-	-	-	-	-	-	-	-	-	-	22,60	26,00	28,90	32,40	39,00	39,00
3,80	-	-	-	-	-	-	-	-	-	-	24,50	28,20	30,70	34,30	39,00	39,00
3,70	-	-	-	-	-	-	-	-	-	-	26,50	30,50	32,70	36,30	39,00	39,00
3,60	-	-	-	-	-	-	-	-	-	-	27,70	31,90	34,70	36,70	39,00	39,00
3,50	-	-	-	-	20,60	24,10	-	-	23,90	28,70	29,60	34,00	35,00	36,70	39,00	39,00
3,40	-	-	-	-	20,90	24,80	-	-	26,00	31,20	31,90	36,70	35,00	36,70	39,00	39,00
3,30	-	-	-	-	21,30	25,40	-	-	28,10	33,70	33,80	38,90	35,00	36,70	39,00	39,00
3,20	-	-	-	-	21,70	26,00	-	-	30,30	36,40	35,20	39,00	35,00	36,70	39,00	39,00
3,10	-	-	-	-	22,20	26,70	-	-	32,10	38,50	36,40	39,00	35,00	36,70	39,00	39,00
3,00	-	-	21,10	25,30	22,70	27,40	29,30	35,20	33,30	39,00	38,30	39,00	35,00	36,70	-	-
2,90	-	-	23,10	27,70	23,30	28,30	30,70	36,80	34,20	39,00	39,00	39,00	35,00	36,70	-	-
2,80	-	-	24,80	29,80	24,00	30,00	31,60	37,90	34,80	39,00	39,00	39,00	35,00	36,70	-	-
2,70	-	-	27,00	32,40	24,60	31,10	32,20	38,60	35,40	39,00	39,00	39,00	35,00	36,70	-	-
2,60	-	-	28,90	34,70	25,30	32,30	32,90	39,00	36,90	39,00	39,00	39,00	35,00	36,70	-	-
2,50	20,20	24,80	30,60	36,70	26,00	34,00	33,60	39,00	38,70	39,00	39,00	39,00	35,00	36,70	-	-
2,40	21,30	27,20	32,10	38,50	26,70	35,20	34,60	39,00	39,00	39,00	39,00	39,00	-	-	-	-
2,30	22,50	29,50	34,00	39,00	27,50	37,50	35,70	39,00	39,00	39,00	39,00	39,00	-	-	-	-
2,20	23,30	31,90	36,80	39,00	28,50	39,00	37,20	39,00	39,00	39,00	-	-	-	-	-	-
2,10	24,00	34,30	39,00	39,00	30,00	39,00	38,80	39,00	39,00	39,00	-	-			-	-
2,00	24,60	36,70	39,00	39,00	-	-	39,00	39,00	39,00	39,00	-	-			-	-
1,90	25,80	36,70	39,00	39,00	-	-	39,00	39,00	-	-	-	-			-	-
1,80	26,90	36,70	39,00	39,00	-	-	39,00	39,00	-	-	-	-			-	-
1,70	28,40	36,70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,60	30,10	36,70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,50	31,80	36,70	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1kN=102kg

Dimensional table

DIN EN 1065 class D Prop	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Ø Outer tube (mm)	Plates	Factor of safety	Weight (Kg)
25 ECO	2,50	1,46	48,30	60,30	Yes	1,65	13,00
30 ECO	3,00	1,82	48,30	60,30	Yes	1,65	15,90
35 ECO	3,50	2,07	48,30	60,30	Yes	1,65	17,60
30	3,00	1,73	63,50	76,10	Yes	1,65	17,80
35	3,50	1,98	63,50	76,10	Yes	1,65	19,70
40	4,00	2,25	63,50	76,10	Yes	1,65	22,10
45	4,50	2,50	63,50	76,10	Yes	1,65	27,50
55	5,50	3,03	76,10	88,90	Yes	1,65	35,00



We - at GBM - manufacture three different models of the DIN EN 1065 class E props (E 30, E 35, E 40).

They are classified according to maximum extension and capacity.

Below are the technical features of each one of them.



DIN EN 1065 class E props loads table

Extension	E 30 1,73 - 3,00 m		E 35 1,98 - 3,50 m		E 40 2,25 - 4,00 m	
	Up	Down	Up	Down	Up	Down
(m)	(kN)					
4,00	-	-	-	-	33,20	36,50
3,90	-	-	-	-	36,80	40,50
3,80	-	-	-	-	39,00	41,00
3,70	-	-	-	-	41,00	41,00
3,60	-	-	-	-	41,00	41,00
3,50	-	-	32,00	33,60	41,00	41,00
3,40	-	-	35,30	37,10	41,00	41,00
3,30	-	-	37,70	39,60	41,00	41,00
3,20	-	-	40,00	41,00	41,00	41,00
3,10	-	-	41,00	41,00	41,00	41,00
3,00	32,40	35,60	41,00	41,00	41,00	41,00
2,90	35,80	39,40	41,00	41,00	41,00	41,00
2,80	36,40	40,00	41,00	41,00	41,00	41,00
2,70	37,30	41,00	41,00	41,00	41,00	41,00
2,60	38,80	41,00	41,00	41,00	41,00	41,00
2,50	39,70	41,00	41,00	41,00	41,00	41,00
2,40	40,00	41,00	41,00	41,00	41,00	41,00
2,30	41,00	41,00	41,00	41,00	41,00	41,00
2,20	41,00	41,00	41,00	41,00	-	-
2,10	41,00	41,00	41,00	41,00	-	-
2,00	41,00	41,00	41,00	41,00	-	-
1,90	41,00	41,00	-	-	-	-
1,80	41,00	41,00	-	-	-	-

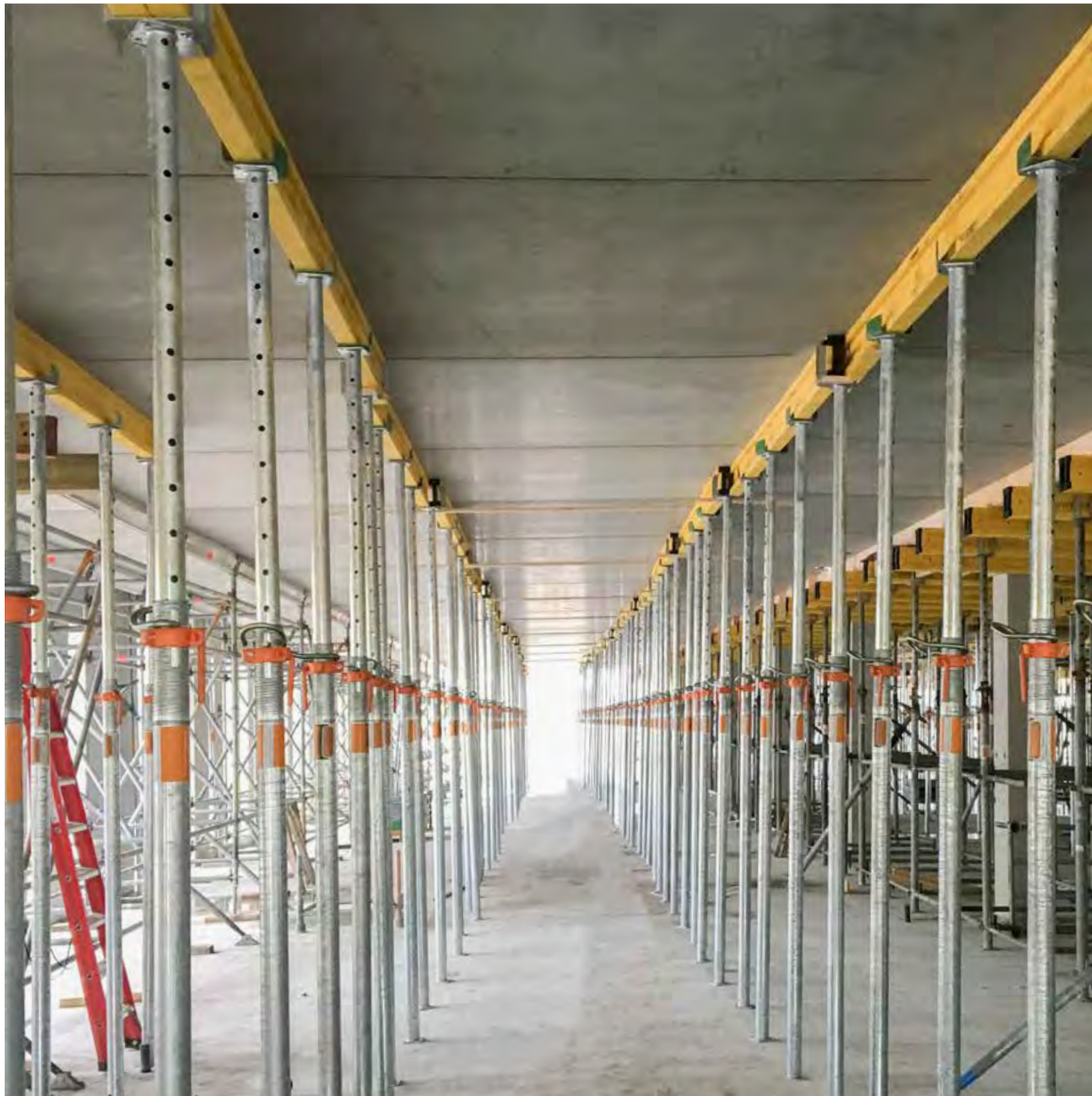
1kN=102kg

Dimensional table

DIN EN 1065 class E Prop	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Ø Outer tube (mm)	Plates	Factor of safety	Weight (Kg)
30	3,00	1,73	63,50	76,10	Yes	1,65	17,50
35	3,50	1,98	63,50	76,10	Yes	1,65	23,80
40	4,00	2,25	76,10	88,90	Yes	1,65	26,00

Comparative table

	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Ø Outer tube (mm)	Weight (Kg)
B 30	3,00	1,82	48,30	60,30	14,50
B 35	3,50	2,07	48,30	60,30	15,80
B 40	4,00	2,34	48,30	60,30	17,90
D 25 ECO	2,50	1,46	48,30	60,30	13,00
D 30 ECO	3,00	1,82	48,30	60,30	15,90
D 35 ECO	3,50	2,07	48,30	60,30	17,60
D 30	3,00	1,73	63,50	76,10	17,80
D 35	3,50	1,98	63,50	76,10	19,70
D 40	4,00	2,25	63,50	76,10	22,10
D 45	4,50	2,50	63,50	76,10	27,50
D 55	5,50	3,03	76,10	88,90	35,00
E 30	3,00	1,73	63,50	76,10	17,50
E 35	3,50	1,98	63,50	76,10	23,80
E 40	4,00	2,25	76,10	88,90	26,00



Fork head props.



Props made with fork already welded to support the beam in the shoring system.

Fork head props manufactured according to the customer's ABOMA.

They come in 4 models with different extension and capacity:

- **GBM 30**
  extensible between 1,80 and 3,00 metres
- **GBM 36**
  extensible between 2,10 and 3,60 metres
- **GBM 41**
  extensible between 2,40 and 4,10 metres
- **GBM 50**
  extensible between 2,90 and 5,00 metres

Below are the features of GBM fork head props:

- hook bevelled at the ends: easier to insert into the holes thanks to the ergonomic shape;
- anti-shearing system: the greater length of the inner pipe with respect to the outer one enables guaranteeing an at least 10 cm difference between the two so as to prevent injury;
- inner holes obtained using machines capable of perfectly machining them or by means of a milling system which obtains turnings on the surface of the pipe: both ways enable guaranteeing the complete absence of burrs near the holes;
- inner pipe anti-slip-off system, so as to prevent the pipe from inadvertently slipping off thus guaranteeing wholeness and safety when laying down and displacing at the work-site;
- hot-dip galvanization, with guaranteed minimum thickness of 50 microns.



Upon request:

- sticker customised with customer's logo, bearing information on capacity and maximum extension;
- quick release system, an accessory that guarantees the release of the prop under the load by just hitting with the hammer to quicken and simplify the release procedure as well as reduce the operator's effort.

Beware: the capacities indicated in the table always refer to the capacity of the single post shore. Higher capacities can be achieved by binding, gate-like systems or pipe-coupling systems. The gate-like system is a temporary structure suitable for creating a loading tower. Binding the props in fours enables maximising the capacity. The pipe-coupling system provides for a pipe above and beneath with couplings; it is the same figure of the gate, which is more economic though less quick.



We - at GBM - manufacture 4 different models of Fork head props (GBM 30, GBM 36, GBM 41, GBM 50).

They are classified according to maximum extension and capacity.

Below are their technical features.

Fork head props loads table

Extension	GBM 30	GBM 36	GBM 41	GBM 50
(m)	(kN)			
5,00	-	-	-	8,20
4,90	-	-	-	8,60
4,80	-	-	-	8,90
4,70	-	-	-	9,30
4,60	-	-	-	9,70
4,50	-	-	-	10,30
4,40	-	-	-	10,80
4,30	-	-	-	11,30
4,20	-	-	-	11,90
4,10	-	-	11,30	12,40
4,00	-	-	12,00	12,90
3,90	-	-	12,70	13,40
3,80	-	-	13,40	14,40
3,70	-	-	14,10	15,40
3,60	-	12,50	14,80	16,40
3,50	-	13,30	15,50	17,40
3,40	-	14,20	16,20	18,40
3,30	-	15,00	16,90	19,30
3,20	-	15,90	17,60	20,30
3,10	-	16,70	18,50	21,30
3,00	16,50	17,50	19,30	22,30
2,90	17,40	18,40	20,20	23,30
2,80	18,30	19,20	21,10	-
2,70	19,20	19,80	21,90	-
2,60	20,10	20,40	22,80	-
2,50	21,00	21,00	23,60	-
2,40	21,90	21,70	24,50	-
2,30	22,10	22,30	-	-
2,20	22,20	22,90	-	-
2,10	22,40	23,50	-	-
2,00	22,50	-	-	-
1,90	22,70	-	-	-
1,80	22,80	-	-	-

1kN=102kg

Dimensional table

Fork head props	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Ø Outer tube (mm)	Plates	Factor of safety	Weight (Kg)
GBM 30	3,00	1,80	48,30	57,00	Yes	1,65	15,10
GBM 36	3,60	2,10	48,30	57,00	Yes	1,65	16,50
GBM 41	4,10	2,40	48,30	57,00	Yes	1,65	19,10
GBM 50	5,00	2,90	48,30	57,00	Yes	1,65	22,60

Push-pull props.

GBM push push-pull diagonal props consist of two telescopically slidable pipes.

The displacement thereof can be adjusted by means of a threaded ring nut and a pin inserted into the holes of the inner pipe.

This structure enables it to perform two actions, the classic pushing action (like normal props do) and the pulling action.

These elements are crucial for temporary and safe stabilisation of structures during the casting step, whether formworks, wooden panels, or prefabricated elements of various types.



GBM push-pull props come in three models:



Type L push-pull props

In the type L models, plumbing is carried out using a double handle sleeve. This model comes in two variants: Type **L1** and type **L2**.

Both versions are characterised by:

- Extension adjustable between 1.80 and 5.00 m depending on the prop model, at 10 cm intervals by means of a double handle sleeve adjustment;
- Pulling guaranteed at 22.00 kN regardless of the use extension;
- Anti-shearing system: the greater length of the inner pipe with respect to that of the outer pipe enables guaranteeing an at least 10 cm difference between the two during the closing stage so as to avoid injury;
- Plates that can be articulated mounted on the two ends, so as to ensure the greatest adherence possible when fixing and mounting at multiple angles.



Type N push-pull props

In type N models, plumbing is carried out by means of a single ring nut which increases or reduces the extension of the prop depending on the rotation direction.

Features:

- Extension adjustable between 1.80 and 5.00 m depending on the prop model, at 10 cm intervals by adjusting a spherical cast iron ring nut;
- Pulling guaranteed at 38.00 kN regardless of the use extension;
- Anti-shearing system: the greater length of the inner pipe with respect to that of the outer pipe enables guaranteeing an at least 10 cm difference between the two during the closing stage so as to avoid injury;
- Plates that can be articulated mounted on the two ends, so as to ensure the greatest adherence possible when fixing and mounting at multiple angles;
- Pipe protection: hot-dip galvanization in compliance with the UNI EN ISO 1461 standard, with a guaranteed minimum thickness of 55 microns;
- Inner pipe diameter 48 x 3.00 mm;
- Outer pipe diameter 60 x 2.50 mm.

Upon request:

- Sticker customised with the customer's logo, bearing information on capacity and maximum extension.



Type H push-pull props

In type H models, plumbing is carried out by means of two spherical cast iron ring nuts which increase or reduce the extension thereof. This model comes in two variants: **H1** and **H2**.

Both versions are characterised by:

- Extension adjustable between 1.80 and 5.40 m depending on the prop model, at 10 cm intervals by adjusting two steel ring nuts;
- Pulling guaranteed at 38.00 kN regardless of the use extension;
- Anti-shearing system: the greater length of the inner pipe with respect to that of the outer pipe enables guaranteeing an at least 10 cm difference between the two during the closing stage so as to avoid injury;
- Plates that can be articulated mounted on the two ends, so as to ensure the greatest adherence possible when fixing and mounting at multiple angles;
- Pipe protection: hot-dip galvanization in compliance with the UNI EN ISO 1461 standard, with a guaranteed minimum thickness of 55 microns.

Upon request:

- Sticker customised with the customer's logo, bearing information on capacity and maximum extension.

L1



Lighter prop, usually comes in the coated version with the aim of optimising the costs-benefits ratio given that it is used for propping light objects.

Features of the Type L1 push-pull prop:

» Pipe protection: RAL 3009 red hot-dip coating with minimum durability in compliance with the ASTM D 2247-87 standard tests in a humidostatic chamber;

» Inner pipe diameter 48 x 1.80 mm;

» Outer pipe diameter 56 x 1.65 mm.

Loads table

Extension	PTS 3000 L1			PTS 3500 L1			PTS 4000 L1			PTS 4500 L1			PTS 5000 L1		
	Compression		Traction	Compression		Traction	Compression		Traction	Compression		Traction	Compression		Traction
(m)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)
5,00	-	-	-	-	-	-	-	-	-	-	-	-	1,90	3,80	23,60
4,90	-	-	-	-	-	-	-	-	-	-	-	-	2,00	4,00	23,60
4,80	-	-	-	-	-	-	-	-	-	-	-	-	2,10	4,20	23,60
4,70	-	-	-	-	-	-	-	-	-	-	-	-	2,25	4,50	23,60
4,60	-	-	-	-	-	-	-	-	-	-	-	-	2,35	4,70	23,60
4,50	-	-	-	-	-	-	-	-	-	2,30	4,60	22,00	2,55	5,10	23,60
4,40	-	-	-	-	-	-	-	-	-	2,45	4,90	22,00	2,70	5,40	23,60
4,30	-	-	-	-	-	-	-	-	-	2,60	5,20	22,00	2,90	5,80	23,60
4,20	-	-	-	-	-	-	-	-	-	2,75	5,50	22,00	3,10	6,20	23,60
4,10	-	-	-	-	-	-	-	-	-	2,95	5,90	22,00	3,35	6,70	23,60
4,00	-	-	-	-	-	-	2,85	5,70	22,00	3,15	6,30	22,00	3,60	7,20	23,60
3,90	-	-	-	-	-	-	3,05	6,10	22,00	3,40	6,80	22,00	3,90	7,80	23,60
3,80	-	-	-	-	-	-	3,25	6,50	22,00	3,65	7,30	22,00	4,30	8,60	23,60
3,70	-	-	-	-	-	-	3,50	7,00	22,00	3,95	7,90	22,00	4,70	9,40	23,60
3,60	-	-	-	-	-	-	3,75	7,50	22,00	4,30	8,60	22,00	5,15	10,30	23,60
3,50	-	-	-	3,75	7,50	22,00	4,10	8,20	22,00	4,70	9,40	22,00	5,75	11,50	23,60
3,40	-	-	-	3,95	7,90	22,00	4,40	8,80	22,00	5,15	10,30	22,00	6,35	12,70	23,60
3,30	-	-	-	4,20	8,40	22,00	4,80	9,60	22,00	5,70	11,40	22,00	6,90	13,80	23,60
3,20	-	-	-	4,80	9,60	22,00	5,25	10,50	22,00	6,00	12,00	22,00	7,30	14,60	23,60
3,10	-	-	-	5,25	10,50	22,00	5,80	11,60	22,00	6,50	13,00	22,00	7,60	15,20	23,60
3,00	5,10	10,20	22,00	5,75	11,50	22,00	6,40	12,80	22,00	7,00	14,00	22,00	7,85	15,70	23,60
2,90	5,60	11,20	22,00	6,35	12,70	22,00	7,15	14,30	22,00	7,80	15,60	22,00	8,10	16,20	23,60
2,80	6,20	12,40	22,00	7,05	14,10	22,00	7,80	15,60	22,00	8,70	17,40	22,00	-	-	-
2,70	6,85	13,70	22,00	7,80	15,60	22,00	8,50	17,00	22,00	9,60	19,20	22,00	-	-	-
2,60	7,60	15,20	22,00	8,65	17,30	22,00	9,35	18,70	22,00	11,00	22,00	22,00	-	-	-
2,50	8,55	17,10	22,00	9,50	19,00	22,00	11,00	22,00	22,00	-	-	-	-	-	-
2,40	9,65	19,30	22,00	11,00	22,00	22,00	11,00	22,00	22,00	-	-	-	-	-	-
2,30	11,00	22,00	22,00	11,00	22,00	22,00	-	-	-	-	-	-	-	-	-
2,20	11,00	22,00	22,00	11,00	22,00	22,00	-	-	-	-	-	-	-	-	-
2,10	11,00	22,00	22,00	11,00	22,00	22,00	-	-	-	-	-	-	-	-	-
2,00	11,00	22,00	22,00	-	-	-	-	-	-	-	-	-	-	-	-
1,90	11,00	22,00	22,00	-	-	-	-	-	-	-	-	-	-	-	-
1,80	11,00	22,00	22,00	-	-	-	-	-	-	-	-	-	-	-	-

1kN=102kg

Dimensional table

L1 push-pull prop	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Inner tube thickness (mm)	Ø Outer tube (mm)	Outer tube thickness (mm)	Plates	Weight (Kg)
PTS 3000 L1	3,05	1,75	48,3	1,8	56	1,65	Yes	9,4
PTS 3500 L1	3,55	2,05	48,3	1,8	56	1,65	Yes	10,5
PTS 4000 L1	4,05	2,35	48,3	1,8	56	1,65	Yes	11,5
PTS 4500 L1	4,55	2,55	48,3	1,8	56	1,65	Yes	12,6
PTS 5000 L1	5,05	2,85	48,3	1,8	56	1,65	Yes	13,8

L2



With greater thicknesses, it comes both in the hot dip coated version as well as the galvanised version (hot or cold dip galvanisation).

Features of the Type L2 push-pull prop:

» Pipe protection: hot-dip galvanization in compliance with the UNI EN ISO 1461 standard, with a guaranteed minimum thickness of 55 microns;

» Inner pipe diameter 48 x 3.00 mm;

» Outer pipe diameter 57 x 2.5 mm.

Loads table

Extension	PTS 3000 L2			PTS 3500 L2			PTS 4000 L2			PTS 4500 L2			PTS 5000 L2		
	Compression		Traction	Compression		Traction	Compression		Traction	Compression		Traction	Compression		Traction
(m)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)
5,00	-	-	-	-	-	-	-	-	-	-	-	-	2,42	4,84	36,70
4,90	-	-	-	-	-	-	-	-	-	-	-	-	2,55	5,11	36,70
4,80	-	-	-	-	-	-	-	-	-	-	-	-	2,70	5,41	36,70
4,70	-	-	-	-	-	-	-	-	-	-	-	-	2,87	5,73	36,70
4,60	-	-	-	-	-	-	-	-	-	-	-	-	3,05	6,09	36,70
4,50	-	-	-	-	-	-	-	-	-	2,90	5,80	36,70	3,24	6,49	36,70
4,40	-	-	-	-	-	-	-	-	-	3,08	6,15	36,70	3,46	6,93	36,70
4,30	-	-	-	-	-	-	-	-	-	3,27	6,55	36,70	3,71	7,41	36,70
4,20	-	-	-	-	-	-	-	-	-	3,49	6,98	36,70	3,98	7,96	36,70
4,10	-	-	-	-	-	-	-	-	-	3,73	7,45	36,70	4,29	8,58	36,70
4,00	-	-	-	-	-	-	-	-	-	3,99	7,98	36,70	4,64	9,28	36,70
3,90	-	-	-	-	-	-	-	-	-	4,28	8,57	36,70	5,04	10,09	36,70
3,80	-	-	-	-	-	-	-	-	-	4,61	9,23	36,70	5,51	11,02	36,70
3,70	-	-	-	-	-	-	-	-	-	4,99	9,97	36,70	6,06	12,12	36,70
3,60	-	-	-	-	-	-	-	-	-	5,41	10,83	36,70	6,71	13,42	36,70
3,50	-	-	-	-	-	-	-	-	-	5,91	11,81	36,70	7,47	14,95	36,70
3,40	-	-	-	-	-	-	-	-	-	6,48	12,96	36,70	8,34	16,69	36,70
3,30	-	-	-	-	-	-	-	-	-	7,16	14,32	36,70	9,21	18,43	36,70
3,20	-	-	-	-	-	-	-	-	-	7,99	15,98	36,70	9,89	19,77	36,70
3,10	-	-	-	-	-	-	-	-	-	9,01	18,02	36,70	10,33	20,65	36,70
3,00	6,51	13,03	36,70	7,07	14,14	36,70	8,10	16,20	36,70	10,30	20,60	36,70	10,65	21,31	36,70
2,90	7,12	14,25	36,70	7,76	15,53	36,70	9,03	18,07	36,70	11,94	23,88	36,70	10,96	21,91	36,70
2,80	7,83	15,65	36,70	8,57	17,15	36,70	10,19	20,39	36,70	13,66	27,33	36,70	-	-	-
2,70	8,64	17,28	36,70	9,53	19,07	36,70	11,69	23,37	36,70	14,65	29,30	36,70	-	-	-
2,60	9,59	19,19	36,70	10,69	21,38	36,70	13,71	27,42	36,70	15,25	30,50	36,70	-	-	-
2,50	10,73	21,45	36,70	12,12	24,25	36,70	16,64	33,29	36,70	-	-	-	-	-	-
2,40	12,09	24,19	36,70	13,96	27,92	36,70	18,35	36,70	36,70	-	-	-	-	-	-
2,30	13,79	27,58	36,70	16,42	32,84	36,70	-	-	-	-	-	-	-	-	-
2,20	15,95	31,90	36,70	18,35	36,70	36,70	-	-	-	-	-	-	-	-	-
2,10	18,35	36,70	36,70	18,35	36,70	36,70	-	-	-	-	-	-	-	-	-
2,00	18,35	36,70	36,70	-	-	-	-	-	-	-	-	-	-	-	-
1,90	18,35	36,70	36,70	-	-	-	-	-	-	-	-	-	-	-	-
1,80	18,35	36,70	36,70	-	-	-	-	-	-	-	-	-	-	-	-

1kN=102kg

Dimensional table

L2 push-pull prop	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Inner tube thickness (mm)	Ø Outer tube (mm)	Outer tube thickness (mm)	Plates	Weight (Kg)
PTS 3000 L2	3,05	1,75	48,3	3	57	2,5	Yes	13,4
PTS 3500 L2	3,55	2,05	48,3	3	57	2,5	Yes	15,1
PTS 4000 L2	4,05	2,35	48,3	3	57	2,5	Yes	16,6
PTS 4500 L2	4,55	2,55	48,3	3	57	2,5	Yes	18,3
PTS 5000 L2	5,05	2,85	48,3	3	57	2,5	Yes	20,2

N



The difference between the type N push-pull prop and the other classes lies in the type of verticality adjustment.

It is carried out by means of a single ring nut which increases or reduces the extension of the prop depending on the rotation direction.

Features of the Type N push-pull prop:

» Pulling guaranteed at 38.00 kN regardless of the use extension;

» Inner pipe diameter 48 x 3.00 mm;

» Outer pipe diameter 60x2,50 mm.

Loads table

Extension	PTS 3000 N			PTS 3500 N			PTS 4000 N			PTS 4500 N			PTS 5000 N		
	Compression		Traction	Compression		Traction	Compression		Traction	Compression		Traction	Compression		Traction
(m)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)
5,00	-	-	-	-	-	-	-	-	-	-	-	-	2,60	5,20	38,00
4,90	-	-	-	-	-	-	-	-	-	-	-	-	2,75	5,50	38,00
4,80	-	-	-	-	-	-	-	-	-	-	-	-	2,90	5,80	38,00
4,70	-	-	-	-	-	-	-	-	-	-	-	-	3,10	6,20	38,00
4,60	-	-	-	-	-	-	-	-	-	-	-	-	3,25	6,50	38,00
4,50	-	-	-	-	-	-	-	-	-	3,20	6,40	38,00	3,55	7,10	38,00
4,40	-	-	-	-	-	-	-	-	-	3,35	6,70	38,00	3,85	7,70	38,00
4,30	-	-	-	-	-	-	-	-	-	3,60	7,20	38,00	4,05	8,10	38,00
4,20	-	-	-	-	-	-	-	-	-	3,80	7,60	38,00	4,20	8,40	38,00
4,10	-	-	-	-	-	-	-	-	-	4,05	8,10	38,00	4,55	9,10	38,00
4,00	-	-	-	-	-	-	4,05	8,10	38,00	4,35	8,70	38,00	4,90	9,80	38,00
3,90	-	-	-	-	-	-	4,35	8,70	38,00	4,65	9,30	38,00	5,30	10,60	38,00
3,80	-	-	-	-	-	-	4,65	9,30	38,00	5,05	10,10	38,00	5,80	11,60	38,00
3,70	-	-	-	-	-	-	5,00	10,00	38,00	5,45	10,90	38,00	6,40	12,80	38,00
3,60	-	-	-	-	-	-	5,40	10,80	38,00	5,90	11,80	38,00	7,10	14,20	38,00
3,50	-	-	-	-	-	-	5,85	11,70	38,00	6,45	12,90	38,00	8,00	16,00	38,00
3,40	-	-	-	5,75	11,50	41,90	6,35	12,70	38,00	7,10	14,20	38,00	9,15	18,30	38,00
3,30	-	-	-	6,25	12,50	41,90	6,95	13,90	38,00	7,85	15,70	38,00	10,70	21,40	38,00
3,20	-	-	-	6,80	13,60	41,90	7,60	15,20	38,00	8,80	17,60	38,00	12,70	25,40	38,00
3,10	-	-	-	7,40	14,80	41,90	8,45	16,90	38,00	10,05	20,10	38,00	14,00	28,00	38,00
3,00	7,00	14,00	41,90	8,10	16,20	41,90	9,45	18,90	38,00	11,70	23,40	38,00	14,50	29,00	38,00
2,90	7,65	15,30	41,90	8,95	17,90	41,90	10,70	21,40	38,00	14,05	28,10	38,00	-	-	-
2,80	8,40	16,80	41,90	10,00	20,00	41,90	12,35	24,70	38,00	17,15	34,30	38,00	-	-	-
2,70	9,25	18,50	41,90	11,25	22,50	41,90	14,60	29,20	38,00	18,45	36,90	38,00	-	-	-
2,60	10,20	20,40	41,90	12,85	25,70	41,90	17,90	35,80	38,00	19,00	38,00	38,00	-	-	-
2,50	11,35	22,70	41,90	14,95	29,90	41,90	19,00	38,00	38,00	-	-	-	-	-	-
2,40	12,75	25,50	41,90	17,85	35,70	41,90	19,00	38,00	38,00	-	-	-	-	-	-
2,30	14,50	29,00	41,90	19,50	39,00	41,90	-	-	-	-	-	-	-	-	-
2,20	16,70	33,40	41,90	20,95	41,90	41,90	-	-	-	-	-	-	-	-	-
2,10	19,05	38,10	41,90	-	-	-	-	-	-	-	-	-	-	-	-
2,00	20,95	41,90	41,90	-	-	-	-	-	-	-	-	-	-	-	-
1,90	20,95	41,90	41,90	-	-	-	-	-	-	-	-	-	-	-	-
1,80	20,95	41,90	41,90	-	-	-	-	-	-	-	-	-	-	-	-

1kN=102kg

Dimensional table

N push-pull prop	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Inner tube thickness (mm)	Ø Outer tube (mm)	Outer tube thickness (mm)	Plates	Weight (Kg)
PTS 3000 N	3,05	1,8	48,3	3	60,3	2,5	Yes	15,95
PTS 3500 N	3,45	2,2	48,3	3	60,3	2,5	Yes	18,3
PTS 4000 N	4,05	2,4	48,3	3	60,3	2,5	Yes	20,9
PTS 4500 N	4,55	2,6	48,3	3	60,3	2,5	Yes	22,8
PTS 5000 N	5,05	2,9	48,3	3	60,3	2,5	Yes	25,15

H1



Features of the Type H1 push-pull prop:

» Pulling guaranteed at 38.00 kN

» Inner pipe diameter 48 x 3.00 mm;

» Outer pipe diameter 60 x 2.50 mm.

Loads table

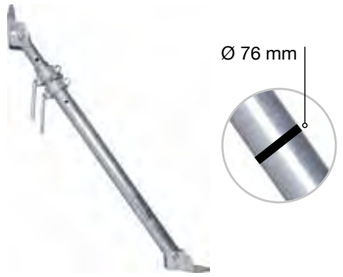
Extension	PTS 3000 H1			PTS 3500 H1			PTS 4000 H1			PTS 4500 H1			PTS 5000 H1		
	Compression		Traction	Compression		Traction	Compression		Traction	Compression		Traction	Compression		Traction
(m)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)
5,00	-	-	-	-	-	-	-	-	-	-	-	-	2,60	5,20	38,00
4,90	-	-	-	-	-	-	-	-	-	-	-	-	2,75	5,50	38,00
4,80	-	-	-	-	-	-	-	-	-	-	-	-	2,90	5,80	38,00
4,70	-	-	-	-	-	-	-	-	-	-	-	-	3,10	6,20	38,00
4,60	-	-	-	-	-	-	-	-	-	-	-	-	3,25	6,50	38,00
4,50	-	-	-	-	-	-	-	-	-	3,20	6,40	38,00	3,55	7,10	38,00
4,40	-	-	-	-	-	-	-	-	-	3,35	6,70	38,00	3,85	7,70	38,00
4,30	-	-	-	-	-	-	-	-	-	3,60	7,20	38,00	4,05	8,10	38,00
4,20	-	-	-	-	-	-	-	-	-	3,80	7,60	38,00	4,20	8,40	38,00
4,10	-	-	-	-	-	-	-	-	-	4,05	8,10	38,00	4,55	9,10	38,00
4,00	-	-	-	-	-	-	4,05	8,10	38,00	4,35	8,70	38,00	4,90	9,80	38,00
3,90	-	-	-	-	-	-	4,35	8,70	38,00	4,65	9,30	38,00	5,30	10,60	38,00
3,80	-	-	-	-	-	-	4,65	9,30	38,00	5,05	10,10	38,00	5,80	11,60	38,00
3,70	-	-	-	-	-	-	5,00	10,00	38,00	5,45	10,90	38,00	6,40	12,80	38,00
3,60	-	-	-	-	-	-	5,40	10,80	38,00	5,90	11,80	38,00	7,10	14,20	38,00
3,50	-	-	-	-	-	-	5,85	11,70	38,00	6,45	12,90	38,00	8,00	16,00	38,00
3,40	-	-	-	5,75	11,50	41,90	6,35	12,70	38,00	7,10	14,20	38,00	9,15	18,30	38,00
3,30	-	-	-	6,25	12,50	41,90	6,95	13,90	38,00	7,85	15,70	38,00	10,70	21,40	38,00
3,20	-	-	-	6,80	13,60	41,90	7,60	15,20	38,00	8,80	17,60	38,00	12,70	25,40	38,00
3,10	-	-	-	7,40	14,80	41,90	8,45	16,90	38,00	10,05	20,10	38,00	14,00	28,00	38,00
3,00	7,00	14,00	41,90	8,10	16,20	41,90	9,45	18,90	38,00	11,70	23,40	38,00	14,50	29,00	38,00
2,90	7,65	15,30	41,90	8,95	17,90	41,90	10,70	21,40	38,00	14,05	28,10	38,00	-	-	-
2,80	8,40	16,80	41,90	10,00	20,00	41,90	12,35	24,70	38,00	17,15	34,30	38,00	-	-	-
2,70	9,25	18,50	41,90	11,25	22,50	41,90	14,60	29,20	38,00	18,45	36,90	38,00	-	-	-
2,60	10,20	20,40	41,90	12,85	25,70	41,90	17,90	35,80	38,00	19,00	38,00	38,00	-	-	-
2,50	11,35	22,70	41,90	14,95	29,90	41,90	19,00	38,00	38,00	-	-	-	-	-	-
2,40	12,75	25,50	41,90	17,85	35,70	41,90	19,00	38,00	38,00	-	-	-	-	-	-
2,30	14,50	29,00	41,90	19,50	39,00	41,90	-	-	-	-	-	-	-	-	-
2,20	16,70	33,40	41,90	20,95	41,90	41,90	-	-	-	-	-	-	-	-	-
2,10	19,05	38,10	41,90	-	-	-	-	-	-	-	-	-	-	-	-
2,00	20,95	41,90	41,90	-	-	-	-	-	-	-	-	-	-	-	-
1,90	20,95	41,90	41,90	-	-	-	-	-	-	-	-	-	-	-	-
1,80	20,95	41,90	41,90	-	-	-	-	-	-	-	-	-	-	-	-

1kN=102kg

Dimensional table

H1 push-pull prop	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Inner tube thickness (mm)	Ø Outer tube (mm)	Outer tube thickness (mm)	Plates	Weight (Kg)
PTS 3000 H1	3,05	1,8	48,3	3	60,3	2,5	Yes	16,5
PTS 3500 H1	3,45	2,2	48,3	3	60,3	2,5	Yes	18,95
PTS 4000 H1	4,05	2,4	48,3	3	60,3	2,5	Yes	21,55
PTS 4500 H1	4,55	2,6	48,3	3	60,3	2,5	Yes	23,45
PTS 5000 H1	5,05	2,9	48,3	3	60,3	2,5	Yes	25,8

H2



Features of the Type H2 push-pull prop:

» Pulling guaranteed at 38.00/41.90 kN

» Inner pipe diameter 63x 2.60 mm;

» Outer pipe diameter 76 x 2.60 mm.

Loads table

Extension	PTS 3000 H2			PTS 4000 H2			PTS 5400 H2		
	Compression		Traction	Compression		Traction	Compression		Traction
(m)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)	Ph (kN)	Pa (kN)	Pz (kN)
5,40	-	-	-	-	-	-	4,05	8,10	38,00
5,30	-	-	-	-	-	-	4,35	8,70	38,00
5,20	-	-	-	-	-	-	4,65	9,30	38,00
5,10	-	-	-	-	-	-	5,00	10,00	38,00
5,00	-	-	-	-	-	-	5,40	10,80	38,00
4,90	-	-	-	-	-	-	5,85	11,70	38,00
4,80	-	-	-	-	-	-	6,35	12,70	38,00
4,70	-	-	-	-	-	-	6,95	13,90	38,00
4,60	-	-	-	-	-	-	7,60	15,20	38,00
4,50	-	-	-	-	-	-	8,45	16,90	38,00
4,40	-	-	-	-	-	-	9,45	18,90	38,00
4,30	-	-	-	-	-	-	10,70	21,40	38,00
4,20	-	-	-	-	-	-	12,35	24,70	38,00
4,10	-	-	-	-	-	-	14,60	29,20	38,00
4,00	-	-	-	5,75	11,50	41,90	17,90	35,80	38,00
3,90	-	-	-	6,25	12,50	41,90	19,00	38,00	38,00
3,80	-	-	-	6,80	13,60	41,90	19,00	38,00	38,00
3,70	-	-	-	7,40	14,80	41,90	-	-	-
3,60	-	-	-	8,10	16,20	41,90	-	-	-
3,50	-	-	-	8,95	17,90	41,90	-	-	-
3,40	-	-	-	10,00	20,00	41,90	-	-	-
3,30	-	-	-	11,25	22,50	41,90	-	-	-
3,20	-	-	-	12,85	25,70	41,90	-	-	-
3,10	-	-	-	14,95	29,90	41,90	-	-	-
3,00	7,00	14,00	41,90	17,85	35,70	41,90	-	-	-
2,90	7,65	15,30	41,90	19,50	39,00	41,90	-	-	-
2,80	8,40	16,80	41,90	20,95	41,90	41,90	-	-	-
2,70	9,25	18,50	41,90	20,95	41,90	41,90	-	-	-
2,60	10,20	20,40	41,90	20,95	41,90	41,90	-	-	-
2,50	11,35	22,70	41,90	20,95	41,90	41,90	-	-	-
2,40	12,75	25,50	41,90	20,95	41,90	41,90	-	-	-
2,30	14,50	29,00	41,90	20,95	41,90	41,90	-	-	-
2,20	16,70	33,40	41,90	-	-	-	-	-	-
2,10	19,05	38,10	41,90	-	-	-	-	-	-
2,00	20,95	41,90	41,90	-	-	-	-	-	-
1,90	20,95	41,90	41,90	-	-	-	-	-	-
1,80	20,95	41,90	41,90	-	-	-	-	-	-

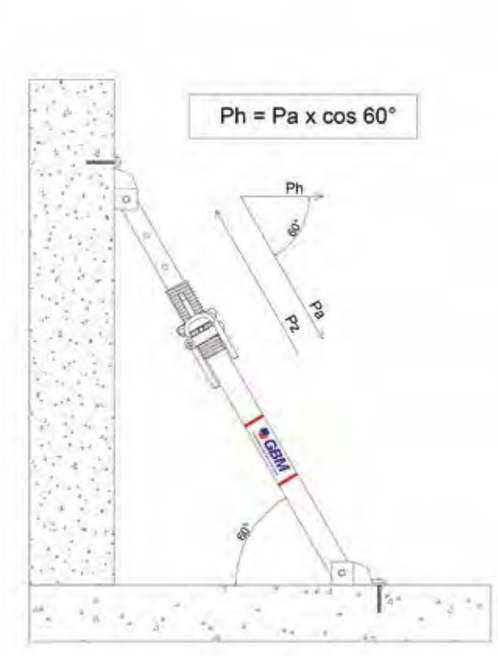
1kN=102kg

Dimensional table

H2 push-pull prop	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Inner tube thickness (mm)	Ø Outer tube (mm)	Outer tube thickness (mm)	Plates	Weight (Kg)
PTS 3000 H2	3,05	1,75	63,5	2,6	76,1	2,6	No	18,35
PTS 4000 H2	4,05	2,3	63,5	2,6	76,1	2,6	No	22,55
PTS 5400 H2	5,45	3,1	63,5	2,6	76,1	2,6	No	30,3

Comparative table

	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	Inner tube thickness (mm)	Ø Outer tube (mm)	Outer tube thickness (mm)	Plates	Weight (Kg)
PTS 3000 L1	3,05	1,75	48,3	1,8	56	1,65	Yes	9,4
PTS 3500 L1	3,55	2,05	48,3	1,8	56	1,65	Yes	10,5
PTS 4000 L1	4,05	2,35	48,3	1,8	56	1,65	Yes	11,5
PTS 4500 L1	4,55	2,55	48,3	1,8	56	1,65	Yes	12,6
PTS 5000 L1	5,05	2,85	48,3	1,8	56	1,65	Yes	13,8
PTS 3000 L2	3,05	1,75	48,3	3	57	2,5	Yes	13,4
PTS 3500 L2	3,55	2,05	48,3	3	57	2,5	Yes	15,1
PTS 4000 L2	4,05	2,35	48,3	3	57	2,5	Yes	16,6
PTS 4500 L2	4,55	2,55	48,3	3	57	2,5	Yes	18,3
PTS 5000 L2	5,05	2,85	48,3	3	57	2,5	Yes	20,2
PTS 3000 N	3,05	1,8	48,3	3	60,3	2,5	Yes	15,95
PTS 3500 N	3,45	2,2	48,3	3	60,3	2,5	Yes	18,3
PTS 4000 N	4,05	2,4	48,3	3	60,3	2,5	Yes	20,9
PTS 4500 N	4,55	2,6	48,3	3	60,3	2,5	Yes	22,8
PTS 5000 N	5,05	2,9	48,3	3	60,3	2,5	Yes	25,15
PTS 3000 H1	3,05	1,8	48,3	3	60,3	2,5	Yes	16,5
PTS 3500 H1	3,45	2,2	48,3	3	60,3	2,5	Yes	18,95
PTS 4000 H1	4,05	2,4	48,3	3	60,3	2,5	Yes	21,55
PTS 4500 H1	4,55	2,6	48,3	3	60,3	2,5	Yes	23,45
PTS 5000 H1	5,05	2,9	48,3	3	60,3	2,5	Yes	25,8
PTS 3000 H2	3,05	1,75	63,5	2,6	76,1	2,6	No	18,35
PTS 4000 H2	4,05	2,3	63,5	2,6	76,1	2,6	No	22,55
PTS 5400 H2	5,45	3,1	63,5	2,6	76,1	2,6	No	30,3



Aluminium props.

UNI EN 16031

As compared to steel props of the same extensions, though lighter, GBM aluminium post shores bear greater loads as propping systems.

They are particularly recommended because they are quick to assemble and easy to use. Furthermore, besides being safe and certified, they come with any accessory required for proper application and use.

Being square-shaped, they are easy to spot.

They can reach extensions varying between 145 and 625 cm.

They are compatible with most accessories of other formworks and slabs.



We - at GBM - manufacture 4 different models of aluminium props (ALU 250, ALU 350, ALU 480, ALU 625). They are classified according to maximum extension and capacity. Below are their technical features.







Loads table

Extension	ALU 250 (1,45-2,50m)		ALU 350 (1,95-3,50m)		ALU 480 (2,60-4,80m)		ALU 625 (4,30-6,25m)	
	Up	Down	Up	Down	Up	Down	Up	Down
(m)	(kN)							
6,25	-	-	-	-	-	-	20,40	22,10
6,20	-	-	-	-	-	-	20,90	22,80
6,00	-	-	-	-	-	-	23,10	25,40
5,80	-	-	-	-	-	-	25,50	28,60
5,60	-	-	-	-	-	-	28,40	31,60
5,40	-	-	-	-	-	-	31,90	34,50
5,20	-	-	-	-	-	-	36,10	37,30
5,00	-	-	-	-	-	-	43,80	41,20
4,80	-	-	-	-	25,60	27,10	46,40	42,10
4,70	-	-	-	-	27,40	29,30	48,80	43,00
4,50	-	-	-	-	31,10	33,70	53,10	44,60
4,30	-	-	-	-	34,80	38,20	56,20	44,60
4,10	-	-	-	-	38,50	43,70	-	-
3,90	-	-	-	-	42,30	50,20	-	-
3,70	-	-	-	-	46,00	58,60	-	-
3,50	-	-	42,90	45,10	50,20	64,50	-	-
3,30	-	-	49,80	55,40	54,80	67,90	-	-
3,10	-	-	52,90	64,60	63,00	69,40	-	-
2,90	-	-	55,70	71,90	71,80	70,40	-	-
2,70	-	-	59,30	77,80	81,20	71,10	-	-
2,50	60,00	63,60	64,40	83,50	-	-	-	-
2,30	61,10	70,50	72,30	86,60	-	-	-	-
2,10	63,80	74,60	83,00	87,40	-	-	-	-
1,95	67,00	76,20	88,30	87,40	-	-	-	-
1,90	68,60	76,20	-	-	-	-	-	-
1,70	73,30	76,20	-	-	-	-	-	-
1,50	73,30	76,20	-	-	-	-	-	-
1,45	73,30	76,20	-	-	-	-	-	-

1kN=102kg

Dimensional table

	Extension max. (m)	Extension min. (m)	Ø Inner tube (mm)	L x L outer tube (mm)	Plates	Factor of safety	Weight (Kg)
ALU 250	2,50	1,45	110	100x100	Yes	2,00	15,30
ALU 350	3,50	1,95	110	100x100	Yes	2,00	19,20
ALU 480	4,80	2,60	110	100x100	Yes	2,00	24,60
ALU 625	6,25	4,30	110	100x100	Yes	2,00	31,20

Shoring towers.

The “Shoring tower” (also referred to as “propping tower” ,”shoring tower”or “scaffolding tower”) is a modular structure capable of reaching 12 metres high.

STS 100 is GBM standard Shoring tower model. This is GBM solution to problems faced by those working at the site off the ground. This solution simultaneously guarantees safety, quickness and ease of work as if done on the ground.

The Shoring tower is made up of frameworks and diagonals, assembled in a modular structure so as to reach the desired height between 2 and 12 metres, with intermediate heights every 0.50 m.

Using the STS 100 Shoring tower entails some major advantages when working at the site, including:

- volumetric overall dimensions and lesser weight with respect to a fixed structure: the single components have low volume and packaging hence facilitating transportation to the worksite;
- ease of planning: the small number of components enables obtaining a structure with wide range of variations, without requiring any planning step;
- versatility to suit needs: starting from a basic ground structure measuring 1 x 1 m, one can set up the working plane at the desired height by varying the height of the adjustable base and fork;
- ease of assembly and use: with just 5 different components, and due to the simple and safe mutual couplings, assembly is easy and quick at any height;
- high loading capacity at any height with a 55.2 kn maximum capacity;
- hot-dip galvanization makes the components robust and confers them a long useful life;
- possibility to assemble directly in vertical position (with or without diagonals) directly ready for use, or in a position horizontal to the ground (with diagonals only) with vertical elevation to be carried out subsequently.



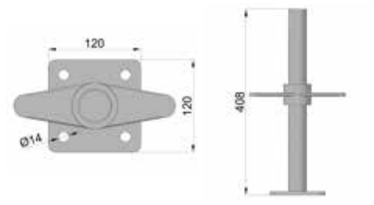


Loads Table

Height	With diagonals	Without diagonals
(m)	(kN)	(kN)
2,50	55,20	55,15
3,00	53,30	53,33
4,00	52,10	52,12
5,00	51,20	51,21
6,00	50,30	50,30
7,00	49,70	49,70
8,00	49,10	49,09
9,00	48,80	48,79
10,00	48,50	48,48
11,00	47,90	47,88
12,00	47,30	47,27

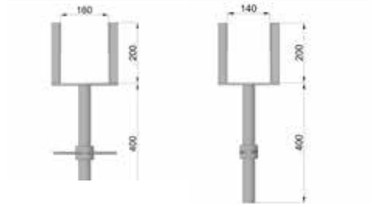
Dimensional table

Height (m)	Frame	Diagonals	Weight (Kg)
1,75 - 2,30	4	4	117,00
2,25 - 2,80	6	6	136,70
2,75 - 3,30	8	8	156,40
3,25 - 3,80	10	10	176,10
3,75 - 4,30	12	12	195,80
4,25 - 4,80	14	14	215,50
4,75 - 5,30	16	16	235,20
5,25 - 5,80	18	18	254,90
5,75 - 6,30	20	20	274,60
6,25 - 6,80	22	22	294,30
6,75 - 7,30	24	24	314,00
7,25 - 7,80	26	26	333,70
7,75 - 8,30	28	28	353,40
8,25 - 8,80	30	30	373,10
8,75 - 9,30	32	32	392,80
9,25 - 9,80	34	34	412,50
9,75 - 10,30	36	36	432,20
10,25 - 10,80	38	38	451,90
10,75 - 11,30	40	40	471,60
11,25 - 11,80	42	42	491,30
11,75 - 12,30	44	44	511,00



Jack base
Weight: 2,60 kg
For adjusting the height of the tower.

COD. **PO28**



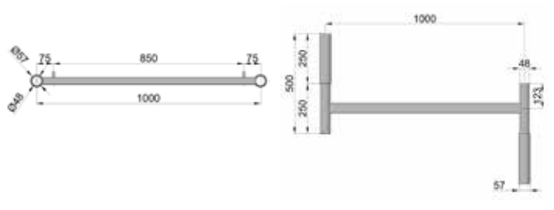
Fork head
Weight: 5,50 kg
For positioning wooden beams (primary beams)

COD. **FOR100**



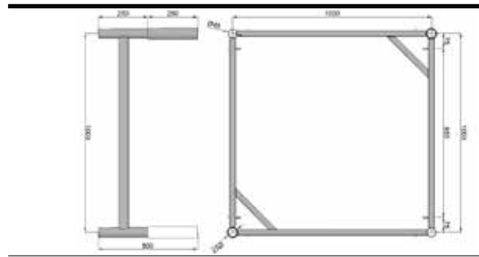
Diagonal
Weight: 2,15 kg

COD. **DIA100**



Frame
Weight: 7,70 kg
Frames are assembled at alternate sides from the base frame to the top frame

COD. **TEL100**



Base frame and top frame
Weight: 18,0 kg
The base frame is assembled as both base and top frame.

COD. **BAS100**

Useful for making work in any construction worksite easier and faster.

We manufacture accessories to make life at the worksite easier. Some of these operations enable making the positioning and stripping of the props for a slab easier.



Tripod stand for prop
for ø48-89mm h820mm
ø1300mm weight 8,50kg

CODE **PU16**



Single supporting head for H20 beam
weight 0,75kg

CODE **PU17**



Four-way head for H20 beam
int. dimension 86x170mm
weight 2,40kg

CODE **PU18**



Lowering head for H20 beam
int. dimension 86+86mm
h300mm
weight 7,50kg

CODE **PU19**



Lowering head for H20 beam
weight 13,00 kg

CODE **PU20**



Pin
length 155 mm ø 16 mm

CODE **AC10**



Quick release for steel prop
ø int. 63,5mm weight 0,55kg
ø int. 79,5mm weight 1,10kg

COD. **PU15**



Hook for prop with release
ø 16 mm weight 0,48kg

COD. **PU21**



2-pins bracket
weight INCLUDING the pins
3,00 kg

COD. **AC08B**



Paint coated container for props
Type A 1030x1410mm h900
weight 27,00 kg
Type B 820x1160mm h900
weight 25,00 kg

COD. **CO01**



Galvanised container for props
700x1300mm h875mm
weight 30,00 kg

COD. **CO02**



Container for boards with removable legs
790X1800mm H240+1000mm
weight 40,00 kg

COD. **CO04b**



Galvanised sheet container
800x1000mm h600mm
Capacity 2-10 Ton weight
56,00 kg

COD. **CO06**



Galvanised container for props
700x1400mm h800mm
weight 45,00 kg

COD. **CO08**



Container with galvanized printed mesh walls
800x1500 h800mm
weight 70,00 kg

COD. **CO08N**



Galvanised container for props
800x1500mm h800mm
weight 45,00 kg

COD. **CO09**



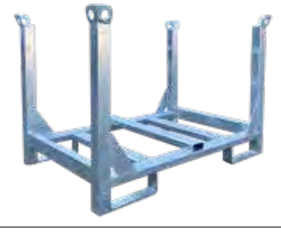
Galvanised container for props
700x1100mm h800
weight 35,00 kg

COD. **CO10**



Galvanised container for props
980x1600mm h750mm
weight 35,00 kg

COD. **CO11**



Galvanised container for props
680x1070 h800mm
weight 52,00 kg

COD. **CO12**



Galvanised container for props
1030x1120 h800mm
weight 52,00 kg

COD. **CO13**



Galvanised container for props
1120x1330 h915mm
weight 39,00 kg

COD. **CO14**



GBM

Scaffolding

Manufacturing scaffolding.

QUICK ASSEMBLY | MODULAR SYSTEM | SAFETY

We - at GBM - have been manufacturing and selling construction scaffolding for more than 60 years.

For years, our scaffolding have been used across the world for construction and maintenance works; our wide range of accessories will help you solve any challenges you may be faced with at the worksite including external brackets for cantilevered solutions and unloading decks at different heights of the building.

The GBM line of scaffolding comes with diversified scaffolding designed to meet your needs as a constructor.

GBM pin-type and bushing-type scaffolding are just what you need for a safe facade scaffolding that is quick and easy to use.

On the other hand, GBM pipe-coupling scaffolding is the ideal solution for those in need of a variable geometry modular system.



Bushing-type scaffolding

Bushing-type scaffolding. The easiest scaffolding to use due to its standardisation and the fact that it is quick to assemble and disassemble.



Pin-type scaffolding

Pin-type scaffolding. Standard scaffolding consists of metal frameworks with predefined height and depth. Quick to assemble, quick to disassemble.





Pipe-coupling scaffolding

Pipe-coupling scaffolding, with their variable geometry obtained by connecting pipes by means of special couplings they can take any direction and angle.

Bushing-type scaffolding, pin-type scaffolding, pipe-coupling scaffolding and modular scaffolding: how do they differ.

Different configurations, same supreme quality.

However, each type is designed to perform at its best in different fields and applications.

Scaffolding is used for different purposes and applications. We - at GBM - manufacture the following main types of scaffolding:

Fixed scaffolding with prefabricated frameworks: it is obtained by connecting several metal frameworks with standard height and depth on which the bases and parapets are fixed. It is the easiest scaffolding to use. Being standardised, easy to assemble and disassemble, it does not require special manpower skills. However, the user guidelines provided in the respective documents, i.e. the “scaffolding instructions booklet” must be strictly complied with.

This category includes:

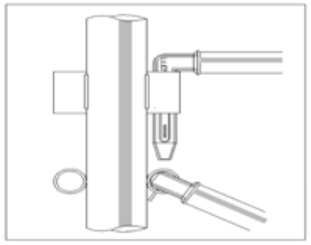
- **bushing-type scaffolding** (in which horizontal ledgers and diagonal braces connecting the frame - at the ends - pins to be inserted into the rings - the “bushings” - present on the frames)
- and **pin-type scaffolding** (in which horizontal ledgers and diagonal braces feature - at the ends - holes to be fitted onto the pins present on the frames).

Pipe-coupling scaffolding: obtained by connecting the tubes to each other and obtaining this connection by coupling. This is a variable geometry and modular scaffolding that enables reaching any extension, height, and connecting the components thereof in any direction and angle on the three spatial dimensions: its modularity enables adjustment thereof to any facade or product, simplifying if not even enabling activities that would be otherwise almost impossible to perform. However, these advantageous solutions require specialised labour and averagely more assembly and disassembly times.

Modular scaffolding: conceptually similar to the pipe-coupling scaffolding, the only difference lies in the fact that it provides for the use of pipes with welded washers so as enable mutual connection. This system has become increasingly popular due to the fact that it combines the adaptability and usefulness of the pipe-coupling system with the quickness and concreteness of the prefabricated frame system. These features thereof place it halfway between the two previous types of scaffolding thus representing the ideal solution to enjoy the advantages of using both systems.



Bushing-type scaffolding.



DIN

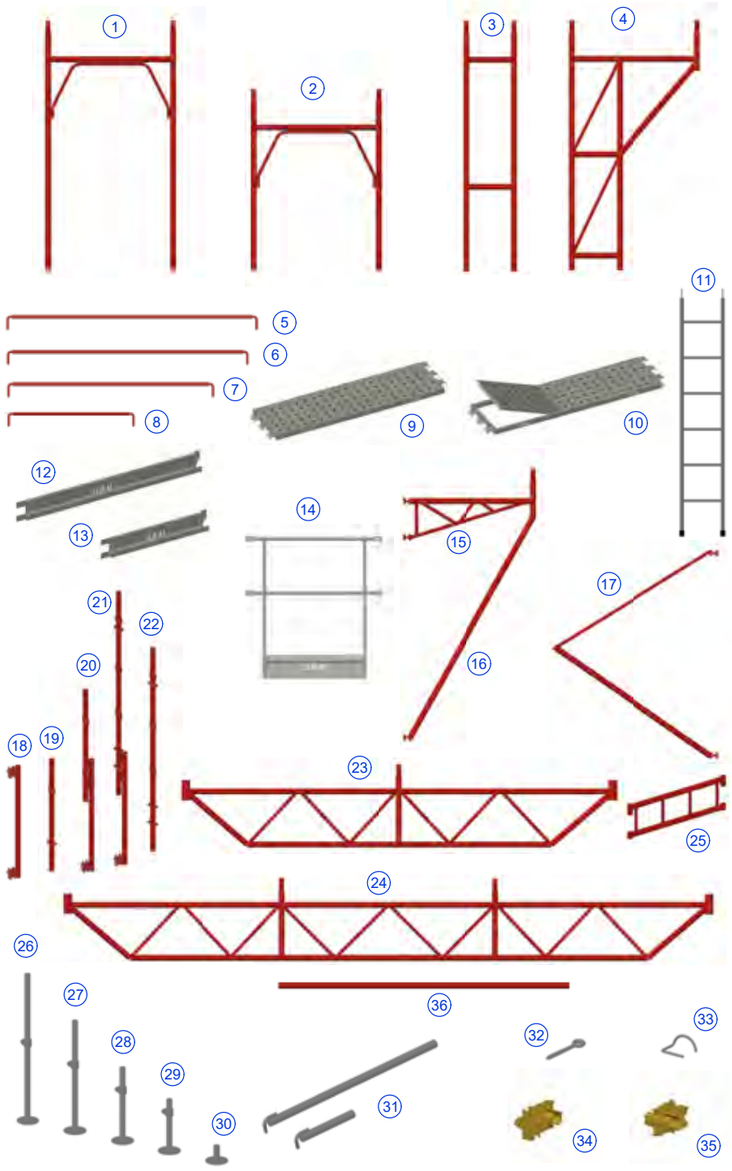
UNI EN 12810

GBM bushing-type italian scaffolding are just what you need for a safe scaffolding that is quick and easy to use.

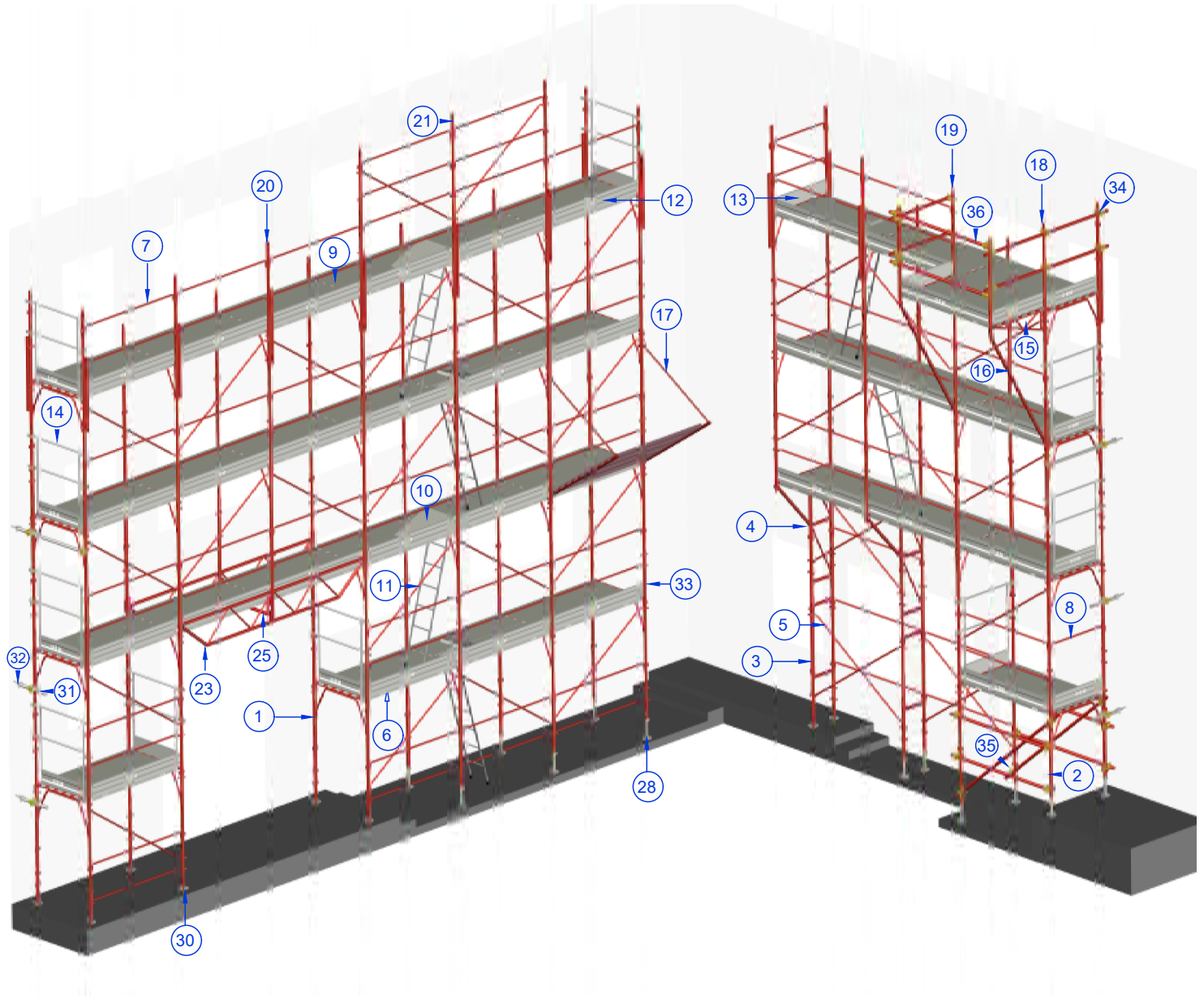
Connection between the frameworks is carried out by means of pipe horizontal ledgers and diagonal braces featuring - at the ends - forged steel pins, which are inserted into bushings (rings) welded onto the uprights of the frames.

GBM bushing-type scaffolding falls within the class of “facade scaffolding” with prefabricated frames. It is obtained by connecting several steel frames with standard height and depth on which the bases and parapets are fixed.

It is the easiest scaffolding to use. Being standardised and quick to assemble and disassemble, it does not require special manpower skills. It comes with the respective documents (“scaffolding instructions booklet”).



1	Frame	18,50 kg	**19**	1,10 mt top end rail	3,50 kg
2	Half frame	14,00 kg	**20**	1,10 mt reinforced top end rail	6,20 kg
3	Lower narrow starting frame	17,20 kg	**21**	2,00 mt reinforced top end rail	14,80 kg
4	Upper narrow starting frame	22,50 kg	**22**	2,00 mt top end rail	6,90 kg
5	Facade diagonal brace	3,10 kg	**23**	3,60 mt opening truss	27,00 kg
6	Plan diagonal brace	3,10 kg	**24**	5,40 mt opening truss	39,00 kg
7	Facade horizontal ledger	2,60 kg	**25**	Truss' connection	5,00 kg
8	End horizontal ledger	2,60 kg	**26**	100 cm adjustable base plate	4,00 kg
9	Platform	14,20 kg	**27**	75 cm adjustable base plate	3,00 kg
10	Platform with trapdoor	26,00 kg	**28**	50 cm adjustable base plate	2,25 kg
11	Ladder	8,50 kg	**29**	30 cm adjustable base plate	2,15 kg
12	180 cm toeboard	4,70 kg	**30**	Simple base plate	0,90 kg
13	105 cm toeboard	2,80 kg	**31**	50/100 cm wall tie	1,50 kg - 3,20 kg
14	End guardrail	8,50 kg	**32**	Eyebolt	0,20 kg
15	105 cm external bracket	7,00 kg	**33**	Scaffold pin	0,10 kg
16	Bracketstrut for bracket	9,50 kg	**34**	Double coupler	1,40 kg
17	Gravel guard	12,10 kg	**35**	Swivel coupler	1,60 kg
18	Reinforcement with 2 couplers	5,20 kg	**36**	48x3,2 pipe	3,30kg/m



The constituent elements of the bushing-type scaffolding, necessary to operate on site in complete safety.



Frame
18,50 kg
COD. **POB01**



Half-frame
14,00 kg
COD. **POB02**



Lower narrow starting frame
17,20 kg
COD. **POB03**



Upper narrow starting frameo
22,50 kg
COD. **POB04**

Facade diagonal brace
3,10 kg
COD. **POB05**

Plan diagonal brace
3,10 kg
COD. **POB06**

Facade horizontal ledger
2,60 kg
COD. **POB07**

End horizontal ledger
2,60 kg
COD. **POB08**



Platform
14,20 kg
COD. **PO09**



Platform with trapdoor
26,00 kg
COD. **PO10**



Ladder
8,50 kg
COD. **PO11**



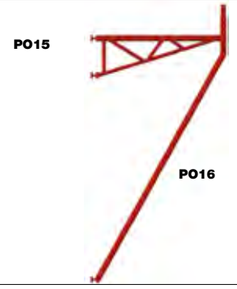
180 cm toeboard
4,70 kg
COD. **PO12**



105 cm toeboard
2,80 kg
COD. **PO13**



End guardrail
8,50 kg
COD. **PO14**



105 cm external bracket
7,00 kg
COD. **PO15**

Bracketstrut for bracket
9,50 kg
COD. **PO16**



Gravel guard
12,10 kg
COD. **PO17**



Reinforcement with 2 couplers
5,20 kg
COD. **PO18**



Bushing scaffolding 1,10 mt top end rail
3,50 kg
COD. **POB19**

Bushing scaffolding 2,00 top end rail
6,90 kg
COD. **POB22**



Bushing scaffolding 1,10 mt reinforced top end rail
6,20 kg
COD. **POB20**

Bushing scaffolding 2,00 mt reinforced top end rail
14,80 kg
COD. **POB21**



3,60 mt opening truss
27,00 kg
COD. **PO23**



5,40 mt opening truss
39,00 kg
COD. **PO24**



Truss' connection
5,00 kg
COD. **PO25**



Adjustable base plate cm 100
4,00 kg
COD. **PO26**

cm 75
3,00 kg
COD. **PO27**

cm 50
2,25 kg
COD. **PO28**

cm 35
2,15 kg
COD. **PO29**



Simple base plate
0,90 kg
COD. **PO30**



50 cm wall tie
1,50 kg - 3,20 kg
COD. **PO31**



Eyebolt
0,20 kg
COD. **PO32**



Scaffold pin
0,10 kg
COD. **PO33**



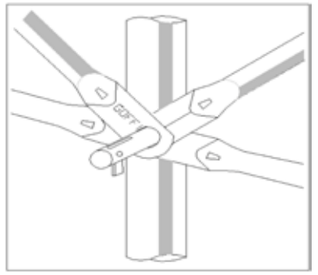
Double coupler
1,40 kg
COD. **PO34**



Swivel coupler
1,60 kg
COD. **PO35**

48x3,2 pipe
3,30kg/m
COD. **PO36**

Pin-type scaffolding.



DIN

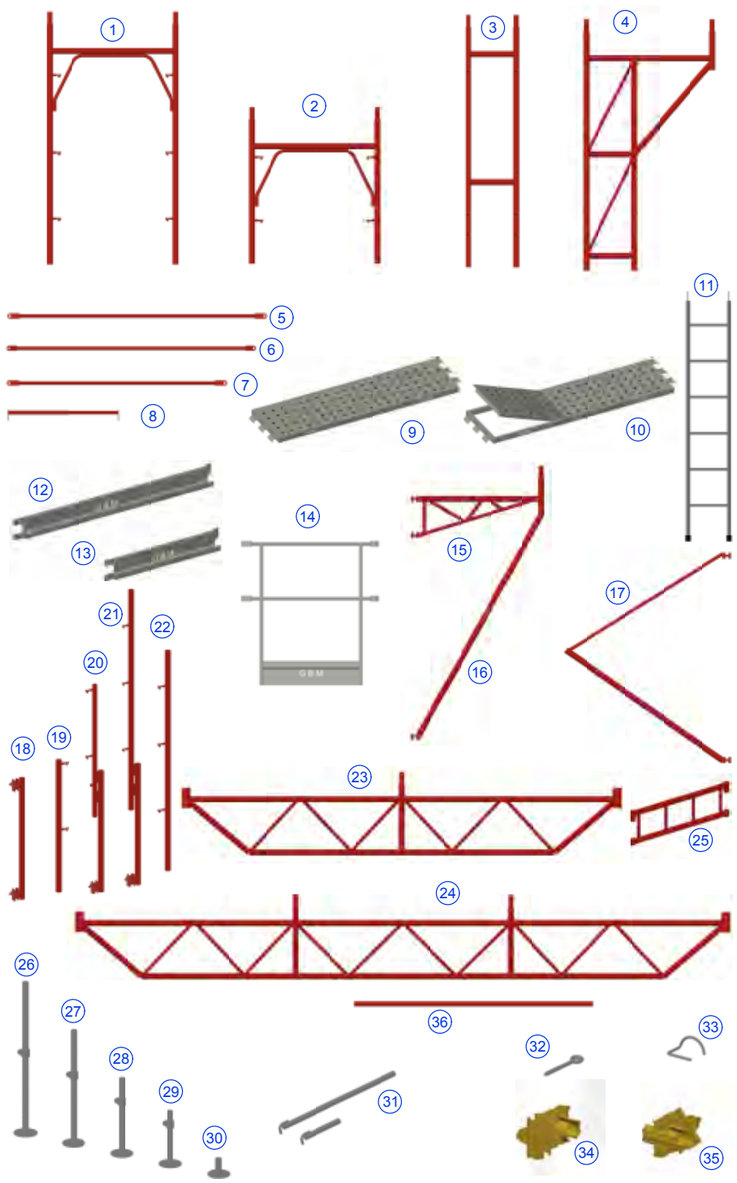
UNI EN 12810

GBM pin-type italian scaffolding are the best any building company can wish for in terms of a scaffolding that is safe, quick to assemble and simple to use.

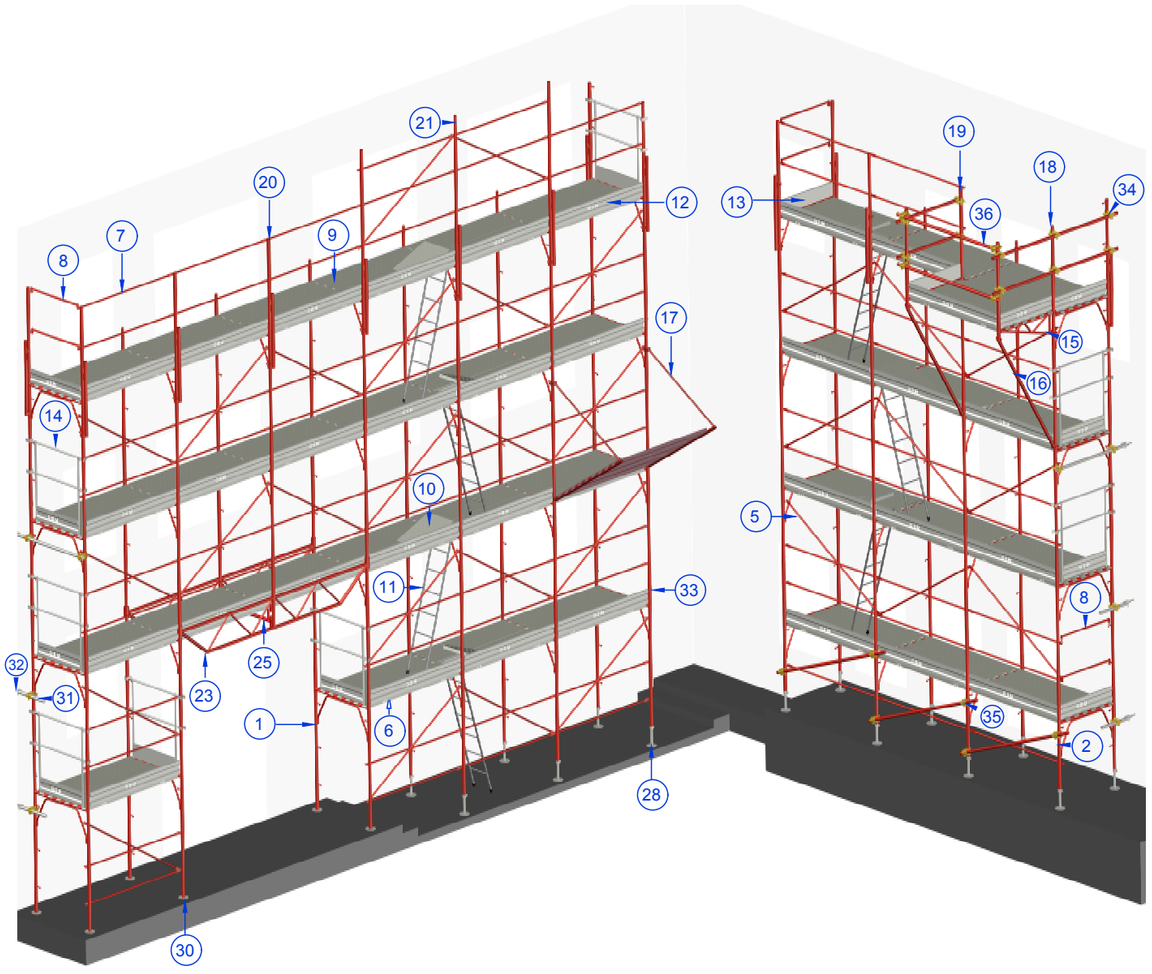
Connection between the frames is carried out by means of pipe horizontal ledgers and diagonal braces featuring - at the ends - holes with diameter appropriate for the insertion of the pins welded on the uprights of the frameworks.

GBM pin-type scaffolding falls within the class of the so-called “facade scaffolding” with prefabricated frameworks. Several metal frameworks (with standard height and depth) are connected to each other. Bases and parapets are fixed thereon.

Its standardisation and the fact that it is quick to assembly and disassemble make it a scaffolding that is extremely easy to use. Besides not requiring special manpower skills, it comes with the respective documents, i.e. the “scaffolding instructions booklet”.



1	Frame	18,50 kg	**19**	1,10 mt top end rail	3,50 kg
2	Half frame	14,00 kg	**20**	1,10 mt reinforced top end rail	6,20 kg
3	Lower narrow starting frame	17,20 kg	**21**	2,00 mt reinforced top end rail	14,80 kg
4	Upper narrow starting frame	22,50 kg	**22**	2,00 mt top end rail	6,90 kg
5	Facade diagonal brace	3,10 kg	**23**	3,60 mt opening truss	27,00 kg
6	Plan diagonal brace	3,10 kg	**24**	5,40 mt opening truss	39,00 kg
7	Facade horizontal ledger	2,60 kg	**25**	Truss' connection	5,00 kg
8	End horizontal ledger	2,60 kg	**26**	100 cm adjustable base plate	4,00 kg
9	Platform	14,20 kg	**27**	75 cm adjustable base plate	3,00 kg
10	Platform with trapdoor	26,00 kg	**28**	50 cm adjustable base plate	2,25 kg
11	Ladder	8,50 kg	**29**	30 cm adjustable base plate	2,15 kg
12	180 cm toeboard	4,70 kg	**30**	Simple base plate	0,90 kg
13	105 cm toeboard	2,80 kg	**31**	50/100 cm wall tie	1,50 kg - 3,20 kg
14	End guardrail	8,50 kg	**32**	Eyebolt	0,20 kg
15	105 cm external bracket	7,00 kg	**33**	Scaffold pin	0,10 kg
16	Bracketstrut for bracket	9,50 kg	**34**	Double coupler	1,40 kg
17	Gravel guard	12,10 kg	**35**	Swivel coupler	1,60 kg
18	Reinforcement with 2 couplers	5,20 kg	**36**	48x3,2 pipe	3,30kg/m



The constituent elements of the pin-type scaffolding, necessary to operate on site in complete safety.



Frame
18,50 kg
COD. **POP01**



Half-frame
14,00 kg
COD. **POP02**



Lower narrow starting frame
17,20 kg
COD. **POP03**



Upper narrow starting frame
22,50 kg
COD. **POP04**

Facade diagonal brace
3,10 kg
COD. **POP05**

Plan diagonal brace
3,10 kg
COD. **POP06**

Facade horizontal ledger
2,60 kg
COD. **POP07**

End horizontal ledger
2,60 kg
COD. **POP08**



Platform
14,20 kg
COD. **PO09**



Platform with trapdoor
26,00 kg
COD. **PO10**



180 cm toeboard
4,70 kg
COD. **PO12**



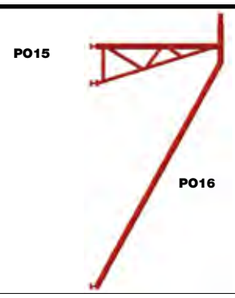
105 cm toeboard
2,80 kg
COD. **PO13**



End guardrail
8,50 kg
COD. **PO14**



Ladder
8,50 kg
COD. **PO11**



105 cm external bracket
7,00 kg
COD. **PO15**

Bracketstrut for bracket
9,50 kg
COD. **PO16**



Gravel guard
12,10 kg
COD. **PO17**

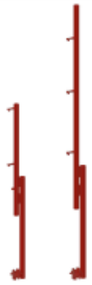


Reinforcement with 2 couplers
5,20 kg
COD. **PO18**



Bushing scaffolding 1,10 mt top end rail
3,50 kg
COD. **POP19**

Bushing scaffolding 2,00 top end rail
6,90 kg
COD. **POP22**



Bushing scaffolding 1,10 mt reinforced top end rail
6,20 kg
COD. **POP20**

Bushing scaffolding 2,00 mt reinforced top end rail
14,80 kg
COD. **POP21**



3,60 mt opening truss
27,00 kg
COD. **PO23**



5,40 mt opening truss
39,00 kg
COD. **PO24**



Truss' connection
5,00 kg
COD. **PO25**



Adjustable base plate
4,00 kg
COD. **PO26**

cm 75
3,00 kg
COD. **PO27**

cm 50
2,25 kg
COD. **PO28**

cm 35
2,15 kg
COD. **PO29**



Simple base plate
0,90 kg
COD. **PO30**



50 cm wall tie
1,50 kg - 3,20 kg
COD. **PO31**



Eyebolt
0,20 kg
COD. **PO32**



Scaffold pin
0,10 kg
COD. **PO33**



Double coupler
1,40 kg
COD. **PO34**



Swivel coupler
1,60 kg
COD. **PO35**

48x3,2 pipe
3,30kg/m
COD. **PO36**

Pipe-coupling scaffolding.

Besides being greatly versatile, GBM pipe-coupling scaffolding enable creating any type of temporary work within a short time.

Contrary to fixed scaffolding with prefabricated frames, this type of scaffolding enables connecting pipes at any distance and position, thus obtaining a variable geometry system.

This system enables performing any types of works which would otherwise be impossible to achieve using conventional techniques.

The pipe-coupling scaffolding is the ideal solution for achieving high quality and resistance of the single components, combined with a theoretically infinite flexibility of use.

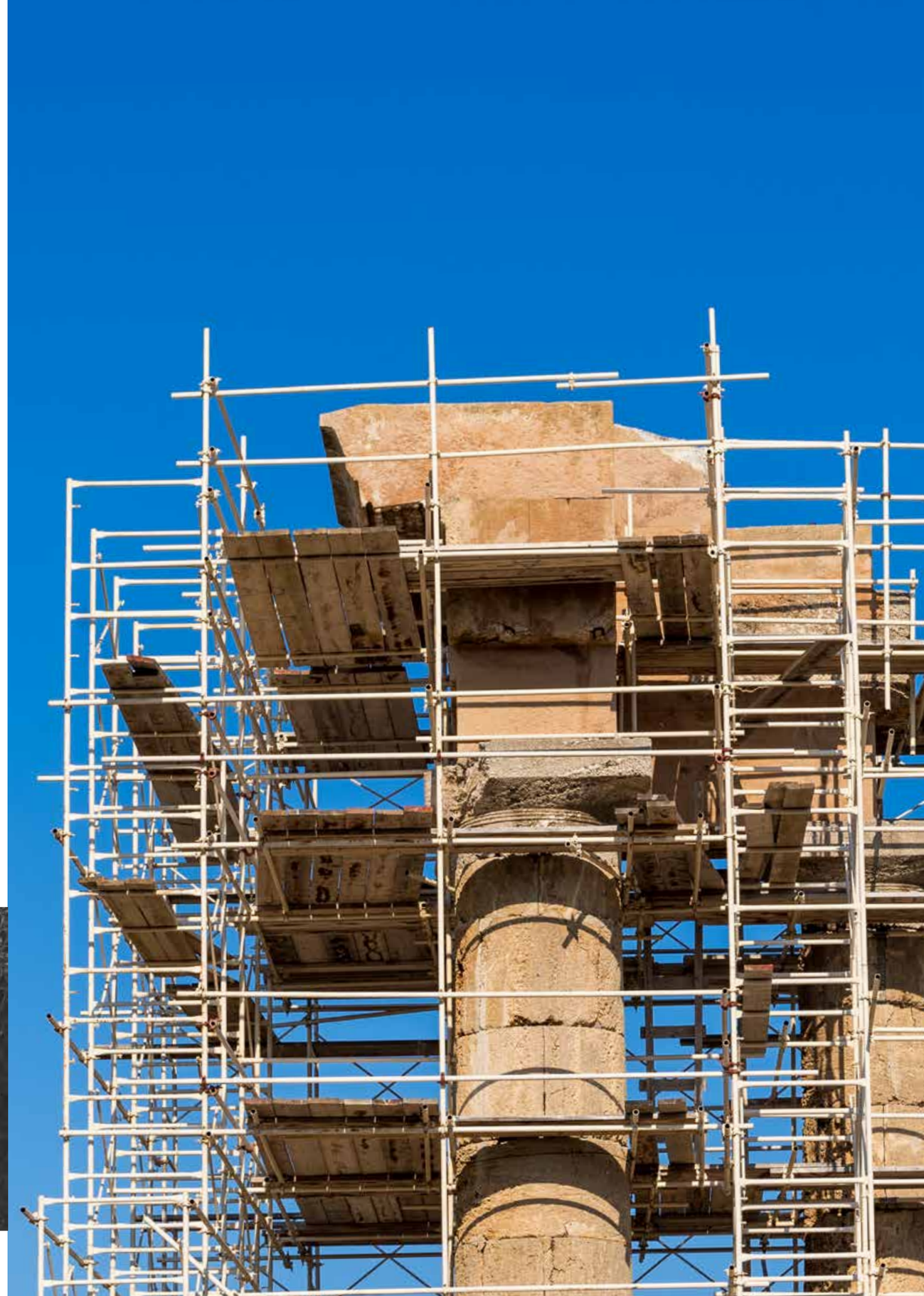
GBM tube-coupler scaffolding comes with the following features:

- Pipe material: S235JR steel
- Pipe protection: Black dip coating or hot-dip galvanization according to the UNI EN ISO 1461 standard, with a guaranteed minimum thickness of 55 microns;
- Pipe outer diameter: 48.3 mm
- Pipe nominal thickness: 3.20 mm
- Pipe length: from 40 to 600 cm
- Coupling obtained according to the UNI-EN74 standard
- Coupling protection: Tropicalisation with guaranteed minimum thickness of 8 microns









GBM couplers are essential to build scaffolding.



Half swivel coupler EN74
for ø48,3mm weight 0,58kg
COD. **GS01**



Half swivel coupler two bolts EN74
for ø48,3mm weight 0,68kg
COD. **GS02**



Simple coupler for scaffolding
for ø48,3mm weight 0,73kg
COD. **GS03**



Double coupler EN74 light type
for ø48,3/48,3mm weight 1,00kg
COD. **GO04**



Swivel coupler EN74 light type
for ø48,3/48,3mm weight 1,25kg
COD. **GG05**



Double coupler EN74 light type
for ø48,3/60mm weight 1,35kg
COD. **GO22**



Swivel coupler EN74 light type
for ø48,3/60mm weight 1,40kg
COD. **GG22**



Double coupler EN74 light type
for ø48,3/76mm weight 1,58kg
COD. **GO25**



Swivel coupler EN74 light type
for ø48,3/76mm weight 1,58kg
COD. **GG25**



Double coupler EN74 heavy type
for ø48,3/48,3mm weight 1,20kg
COD. **GO06**



Swivel coupler EN74 heavy type
for ø48,3/48,3mm weight 1,30kg
COD. **GG07**



Double coupler four bolts
for ø48,3/48,3mm thickness 5mm weight 1,35kg
COD. **GO15**



Swivel coupler four bolts
for ø48,3/48,3mm thickness 5mm weight 1,76kg
COD. **GG16**



Double coupler 2 bolts
for ø48,3/48,3mm weight 1,40kg
COD. **GO17**



Swivel coupler
for ø48,3/48,3mm weight 1,60kg
COD. **GG18**



Sleeve coupler EN74
for ø48,3mm weight 1,55kg
COD. **G27**



T-clamp
for ø48,3mm weight 1,10kg
COD. **G29**



Putlog coupler
for ø48/48mm weight 0,75kg
COD. **G24**



Girder Gravlock coupler
for ø48,3 weight 1,50kg
COD. **G25**



Double coupler wedge-shaped galvanized
for ø48,3mm weight 1,50kg
COD. **GO23**



Swivel coupler wedge-shaped galvanized
for ø48,3mm weight 1,70kg
COD. **GG23**



Simple coupler with pin
for ø48,3mm weight 0,75kg
COD. **GSP1**



Bolt and nut for coupler
M12x70 SW21
weight 0,10kg
COD. **GV01**

Multidirectional scaffolding.

The GBM multidirectional system certified EN 17067:2013 is the ideal solution for the design and construction of complex scaffolding in sectors of use where the traditional techniques for such constructions cannot be exploited to the fullest.

The system is insuperable in terms of versatility of use, assembly speed and convenience, also thanks to a wide range of accessories.

The main element of the GBM system is the 8-connection rosette, welded to the mounted elements every 50 cm, on which it is possible to quickly and safely connect braces and ledgers forming the basis for countless configurations of use.

The GBM modular scaffolding is built with quality steel and is protected by a galvanizing sur- face treatment, which protects it from corrosion caused by bad weather and use, thus avoiding continuous maintenance.

GBM tube-coupler scaffolding comes with the following features:

- Pipe material: S235JR steel;
- Pipe protection: Black dip coating or hot-dip galvanization according to the UNI EN ISO 1461 standard, with a guaranteed minimum thickness of 55 microns;
- Coupling obtained according to the UNI-EN74 standard;
- Coupling protection: Tropicalisation with guaranteed minimum thickness of 8 microns.





Standard

1000mm weight 4,64kg	cod. **G011000**
1500mm weight 6,75kg	cod. **G011500**
2000mm weight 8,86kg	cod. **G012000**
2500mm weight 12,43kg	cod. **G012500**
3000mm weight 13,08kg	cod. **G013000**
4000mm weight 18,58kg	cod. **G014000**



Ledger

430mm weight 2,20kg	cod. **G020430**
740mm weight 3,30kg	cod. **G020740**
1050mm weight 4,34kg	cod. **G021050**
1500mm weight 5,84kg	cod. **G021500**
1800mm weight 6,84kg	cod. **G021800**
2000mm weight 7,51kg	cod. **G022000**
2500mm weight 9,18kg	cod. **G022500**
3000mm weight 11,81kg	cod. **G023000**



Ledger 1050mm

1050mm weight 4,34kg	cod. **G021050**



Base collar

350mm weight 1,77kg	cod. **G040001**



Vertical brace 500mm

740x500mm weight 4,92kg	cod. **G037450**
1050x500mm weight 5,78kg	cod. **G031050**
1500x500mm weight 7,15kg	cod. **G031550**
1800x500mm weight 8,10kg	cod. **G031850**
2000x500mm weight 8,64kg	cod. **G032050**
2500x500mm weight 10,36kg	cod. **G032550**
3000x500mm weight 11,90kg	cod. **G033050**



Vertical brace 1000mm

740x1000mm weight 6,23kg	cod. **G037410**
1050x1000mm weight 6,84kg	cod. **G031010**
1500x1000mm weight 7,95kg	cod. **G031510**
1800x1000mm weight 8,79kg	cod. **G031810**
2000x1000mm weight 9,36kg	cod. **G032010**
2500x1000mm weight 10,88kg	cod. **G032510**
3000x1000mm weight 12,38kg	cod. **G033010**



Vertical brace 1500mm

740x1500mm weight 7,75kg	cod. **G037415**
1050x1500mm weight 8,20kg	cod. **G031015**
1500x1500mm weight 9,09kg	cod. **G031515**
1800x1500mm weight 9,80kg	cod. **G031815**
2000x1500mm weight 10,30kg	cod. **G032015**
2500x1500mm weight 11,66kg	cod. **G032515**
3000x1500mm weight 13,15kg	cod. **G033015**



Vertical brace 2000mm

740x2000mm weight 9,33kg	cod. **G037420**
1050x2000mm weight 9,68kg	cod. **G031020**
1500x2000mm weight 10,41kg	cod. **G031520**
1800x2000mm weight 11,01kg	cod. **G031820**
2000x2000mm weight 11,45kg	cod. **G032020**
2500x2000mm weight 12,66kg	cod. **G032520**
3000x2000mm weight 14,05kg	cod. **G033020**



Horizontal brace 1050mm

740x1050mm weight 5,31kg	cod. **G107410**
1050x1050mm weight 5,95kg	cod. **G101010**
1500x1050mm weight 7,11kg	cod. **G101510**
1800x1050mm weight 7,95kg	cod. **G101810**
2000x1050mm weight 8,55kg	cod. **G102010**
2500x1050mm weight 10,06kg	cod. **G102510**
3000x1050mm weight 11,57kg	cod. **G103010**



Horizontal brace 430mm

740x430mm weight 3,11kg	cod.	**G117443**
1050x430mm weight 4,05kg	cod.	**G111043**
1500x430mm weight 5,49kg	cod.	**G111543**
1800x430mm weight 6,46kg	cod.	**G111843**
2000x430mm weight 7,11kg	cod.	**G112043**
2500x430mm weight 8,76kg	cod.	**G112543**
3000x430mm weight 10,41kg	cod.	**G113043**



Double ledger

1500mm weight 8,25kg	cod.	**G071500**
1800mm weight 10,65kg	cod.	**G071800**
2000mm weight 11,78kg	cod.	**G072000**
2500mm weight 14,33kg	cod.	**G072500**
3000mm weight 17,88kg	cod.	**G073000**



Crossbar with spigot

3600mm weight 37,54kg	cod.	**G083600**
5000mm weight 49,82kg	cod.	**G085000**



Crossbar with coupler

3600mm weight 40,01kg	cod.	**G093600**
5000mm weight 52,30kg	cod.	**G095000**



Bracket

363,85mm weight 2,47kg	cod.	**G120363**
430mm weight 3,07kg	cod.	**G120430**
740mm weight 5,57kg	cod.	**G120740**
1050mm weight 7,30kg	cod.	**G121050**



Wallbracket

430mm weight 8,94kg	cod.	**G130430**
740mm weight 9,04kg	cod.	**G130740**
1050mm weight 9,42kg	cod.	**G131050**



Guard stone element

weight 9,97kg cod. **G040005**



Anchor bar

250mm weight 1,39kg	cod.	**G040002**
550mm weight 2,52kg	cod.	**G040003**
1150mm weight 4,89kg	cod.	**G040004**



EN 74-2 half coupler

weight 0,13kg cod. **G0010**



EN74-1 swivel coupler

weight 1,28kg cod. **G0011**



EN74-1 right angle coupler

weight 1,19kg cod. **G0012**



Double coupler

weight 1,72kg cod. **G0013**



Wedge head coupler

weight 1,66kg cod. **G0014**



Distance coupler fixed

weight 1,48kg cod. **G0015**



Base jack

500mm weight 2,77kg	cod.	**G0017**
800mm weight 3,89kg	cod.	**G0018**
1000mm weight 4,64kg	cod.	**G0019**



Adjustable base jack

800mm weight 4,12kg cod. **G0016**



Mobile rosette

weight 1,16kg cod. **G0009**



Metal board

300x740mm weight 4,44kg	cod.	**G30740**
300x1050mm weight 6,30kg	cod.	**G30105**
300x1500mm weight 9,00kg	cod.	**G30150**
300x1800mm weight 9,90kg	cod.	**G30180**
300x2000mm weight 11,90kg	cod.	**G30200**
300x2500mm weight 14,30kg	cod.	**G30250**
300x3000mm weight 17,50kg	cod.	**G30300**



H20 beams and 3ply panels for formworks

General features

RESISTANCE

LONG DURATION

SAFETY

At GBM you will find beams and panels designed to meet any needs of the construction industry.

GBM H20 and GBM H20+ slab beams are currently the most resistant in the market. They come in various sizes. They are made with the outer parts made of selected quality solid fir, comb-like coupled using the finger-joint technology, and with a three-layer core. They may come in plastic protections so as to reduce the risk of chipping the outer parts of the beams.

GBM formwork sheets are built with 3 layers of wood obtained from fir and spruce trees grown in sustainable forests. The panels are coated with highly resistant melamine resin. They are often used in the construction industry and stand out for their quality and durability above all.



GBM H20 and GBM H20+ slab beams.



GBM formwork sheets.







H20 slab beams.

UNI EN 13377

GBM H20 and GBM H20+ slab beams are currently the most resistant in the market.

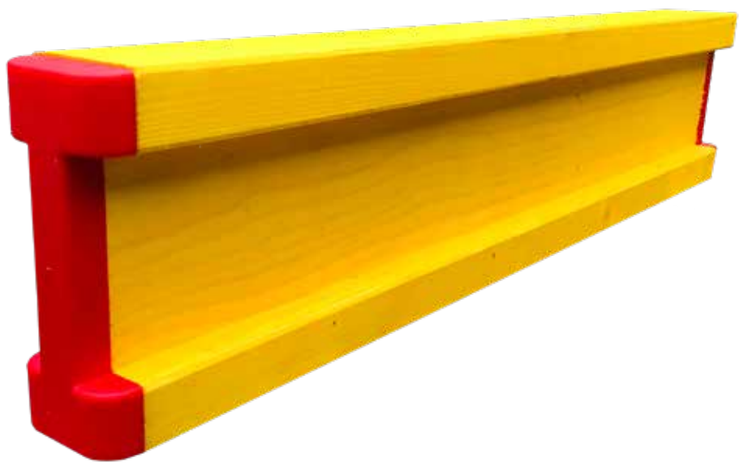
Available in various sizes, the outer parts are made of selected quality solid fir, comb-like coupled using the finger-joint technology, and with a three-layer core.

Upon request, they may come in plastic protections so as to reduce the risk of scratching the outer parts of the beams.

Below are the features of GBM's slab wooden H20 beams:

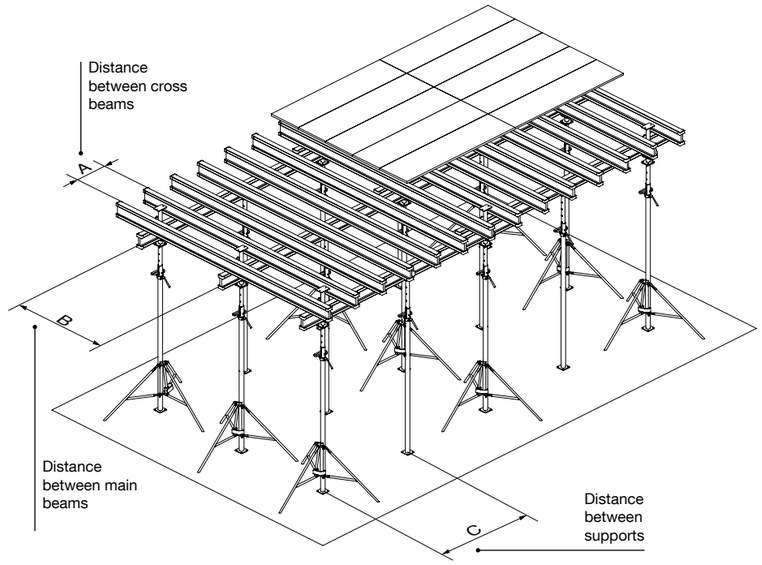
- **Type of wood**: fir / spruce
- **Weight**: 4.5 kg/m
- **Gluing**: melamine resin-based glue, type EN 30, approved for fixing wooden structural components
- **External**: made of selected solid spruce and coupled with 80 x 40 mm section - milled and perfectly calibrated for an optimal assembly with core
- **Core**: three layers of solid fir / spruce
- **Surface**: treatment with water repellent paint
- **Standard length**: 1.95 / 2.45 / 2.65 / 2.90 / 3.30 / 3.60 / 3.90 / 4.50 / 4.90 / 5.90 m
- **Standard packaging**: 50/100 pcs per package

Thanks to their perfect assembly, GBM H20 and GBM H20+ beams can be cut and used at any length.



Floor thickness (cm)	Total load (kN/m2)	Distance between crossbeams (m)				Selected distance between the main beams (m)								
		0,5	0,625	0,667	0,75	1	1,25	1,5	1,75	2	2,25	2,5	3	3,5
10	4,38	3,7	3,43	3,35	3,22	2,93	2,72	2,5	2,31	2,16	2,04	1,93	1,7	1,45
12	4,91	3,5	3,24	3,17	3,05	2,77	2,57	2,36	2,19	2,05	1,92	1,82	1,52	1,3
14	5,43	3,32	3,09	3,02	2,91	2,64	2,45	2,24	2,08	1,94	1,82	1,64	1,37	1,18
16	5,95	3,19	2,96	2,9	2,79	2,54	2,35	2,14	1,98	1,85	1,66	1,5	1,25	1,07
18	6,48	3,07	2,85	2,79	2,69	2,44	2,25	2,06	1,9	1,72	1,53	1,38	1,15	0,99
20	7	2,97	2,76	2,7	2,6	2,36	2,17	1,97	1,82	1,59	1,42	1,28	1,07	0,91
22	7,53	2,88	2,68	2,62	2,52	2,29	2,09	1,9	1,69	1,48	1,32	1,19	0,99	0,85
24	8,05	2,81	2,61	2,55	2,45	2,23	2,02	1,84	1,58	1,39	1,23	1,11	0,93	0,8
26	8,57	2,74	2,54	2,49	2,39	2,18	1,95	1,73	1,49	1,3	1,16	1,04	0,87	0,75
28	9,1	2,67	2,48	2,43	2,34	2,12	1,89	1,63	1,4	1,23	1,09	0,98	0,82	0,71
30	9,68	2,61	2,43	2,38	2,29	2,06	1,83	1,54	1,32	1,15	1,03	0,93	0,77	0,65
35	11,25	2,49	2,31	2,26	2,18	1,9	1,59	1,32	1,14	0,99	0,89	0,8	0,66	0,56
40	12,83	2,38	2,21	2,17	2,07	1,74	1,39	1,16	1	0,87	0,78	0,7	0,58	0,49
45	14,4	2,29	2,13	2,07	1,94	1,55	1,24	1,04	0,89	0,78	0,69	0,62	0,51	0,44
50	15,97	2,22	2,03	1,96	1,84	1,4	1,12	0,94	0,8	0,7	0,62	0,56	0,46	0,4
55	17,54	2,15	1,93	1,87	1,69	1,27	1,02	0,85	0,73	0,63	0,56	0,51	0,42	0,36
60	19,11	2,07	1,85	1,75	1,56	1,17	0,94	0,78	0,66	0,58	0,52	0,46	0,39	0,33
65	20,68	1,98	1,72	1,62	1,44	1,08	0,87	0,72	0,61	0,54	0,48	0,43	0,36	0,31
70	22,26	1,91	1,6	1,5	1,34	1,01	0,81	0,66	0,57	0,5	0,44	0,4	0,33	0,28
75	23,83	1,85	1,5	1,41	1,25	0,94	0,75	0,62	0,53	0,47	0,41	0,37	0,31	0,27
80	25,4	1,76	1,41	1,32	1,17	0,88	0,71	0,58	0,5	0,44	0,39	0,35	0,29	0,25
85	26,97	1,65	1,32	1,24	1,11	0,83	0,66	0,55	0,47	0,41	0,37	0,33	0,27	0,23
90	28,54	1,56	1,25	1,17	1,05	0,79	0,62	0,52	0,44	0,39	0,35	0,31	0,26	0,22
95	30,11	1,48	1,19	1,11	0,99	0,75	0,59	0,49	0,42	0,37	0,33	0,29	0,25	0,21
100	31,69	1,41	1,13	1,06	0,94	0,71	0,56	0,47	0,4	0,35	0,31	0,28	0,23	0,2

Assembly diagram for positioning beams and props: distance between the props (C), distance between the main beams (B), distance between the secondary beams (A).



An example of calculation:

Floor thickness: 20 cm, distance between crossbeams: 0.75 m; we are looking for the distance between the main beams and the supports.

The permissible distance between the main beams according to the table 1 = 2.60 m.

The identical or the closest distance between the main beams in the table 2 = 2.5 m.

Look for the permissible distance between supports in the table 2, read vertically down the column "2.50 m" and horizontally in the row "20 cm" of the column "floor thickness", the result is 1.28 m.

Caution: Examine the supports to ensure the corresponding carrying force.

Formwork panels.



GBM formwork 3ply panels are built with three layers of wood obtained from fir and spruce trees grown in sustainable forests.

The melamine resin they are coated with confers resistance and uniformity to the surface of the panels thus making them suitable for use in any construction site.

Often used in the construction industry, they stand out for quality and durability.

Below are the features of GBM shuttering panels:

- **Wood type**: spruce and red fir
- **Wood humidity**: 12% +/-2%
- **Thickness**: 21mm; 27mm; 30mm
- **Weight**:
  21 mm = 10 kg/m2;
  27 mm = 12,3 kg/m2;
- **Protection surface**: highly resistant melamine resin coating
- **Standard packaging**:
  21 mm: 100 pcs per package
  27 mm: 80 pcs per package

	L								
d=21 mm	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	
5 kN/m2	0.11	0.17	0.26	0.38	0.54	0.75	1.00	1.32	q = load (N/m2)
10 kN/m2	0.21	0.34	0.52	0.77	1.08	1.49	2.01	2.65	L = span (m)
15 kN/m2	0.32	0.51	0.78	1.15	1.63	2.24	3.01	3.97	d = 21 mm
20 kN/m2	0.43	0.69	1.05	1.53	2.17	2.99	4.02	5.30	E = 10000N/mm2 of extrapanel with d=21 mm
25 kN/m2	0.54	0.86	1.31	1.91	2.71	3.74	5.02	6.62	
30 kN/m2	0.64	1.03	1.57	2.30	3.25	4.48	6.03	6.03	K = 0.646 deformation factor contingent on number of fields for constant load
35 kN/m2	0.75	1.20	1.83	2.68	3.80	5.23	7.03	9.27	
40 kN/m2	0.86	1.37	2.09	3.06	4.34	5.98	8.04	10.59	

	L								
d=27 mm	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	
5 kN/m2	0.05	0.08	0.12	0.18	0.26	0.35	0.47	0.62	q = load (N/m2)
10 kN/m2	0.10	0.16	0.25	0.36	0.51	0.70	0.95	1.25	L = span (m)
15 kN/m2	0.15	0.24	0.37	0.54	0.77	1.05	1.42	1.87	d = 27 mm
20 kN/m2	0.20	0.32	0.49	0.72	1.02	1.41	1.89	2.49	E = 10000N/mm2 of extrapanel with d=27 mm
25 kN/m2	0.25	0.40	0.62	0.90	1.28	1.76	2.36	3.12	
30 kN/m2	3.12	0.48	0.74	1.08	1.53	2.11	2.84	3.74	K = 0.646 deformation factor contingent on number of fields for constant load
35 kN/m2	0.35	0.57	0.86	1.26	1.59	2.46	3.31	4.36	
40 kN/m2	0.40	0.65	0.98	1.44	2.04	2.81	3.78	4.98	

GBM wooden panels cleaner "Puli-Pan" allows you to easily clean your 3ply panels for formworks.

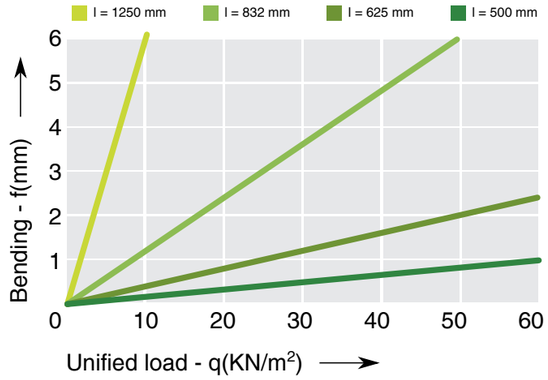
Cleans the four sides of panels simultaneously applying the release agent.

Advancement speed about 6 meters per minute.

Equipped with lifting screws, a removable handle, wheels and safety device.

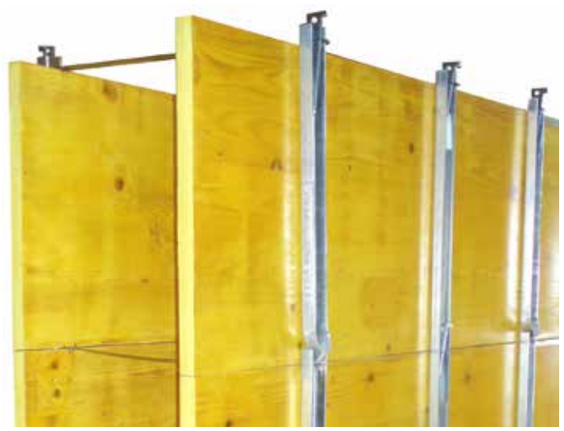
On request, driving roller gears special to clean thickness from 21 up to 27 mm.











Tie rods, formwork clamps, tie-brackets and ties for pillar casting, nuts and cones. Find the solution you need. Or discover new ones.



Tie Rod C45
500-6000mm R
100kN/mm2 weight
1,47kg/mt
COD. **CA01**



Iron spacers for wooden panels
150mm weight 6,35 kg
250mm weight 8,85 kg
300mm weight 10,1 kg
350mm weight 11,35 kg
400mm weight 12,6 kg
500 mm weight 15,1 kg
(Weight refers to packages of 100 spacers)
COD. **CA03**



Mason clamp
l135x400x600mm weight 1,85kg
l135x600x800mm weight 2,25kg
l135x8001000mm weight 2,55kg
COD. **CA05**



Tie-brackets for pillar
150-450mm weight 2,35kg
COD. **CA06**



Tie-brackets for pillar
500-950mm weight 5,80kg
COD. **CA06L**



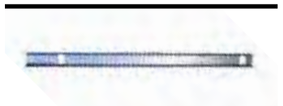
Ties for pillar
200-400mm weight 9,30kg
250-500mm weight 10,40kg
250-600mm weight 11,90kg
400-800mm weight 16,50kg
600-1000mm weight 28,50kg
COD. **CA07**



Helicoidal stanchion
500mm weight 0,90kg
COD. **CA08**



Stanchion pressed hook
500mm weight 0,85kg
1000mm weight 1,60kg
1500mm weight 2,40kg
COD. **CA09**



Pre-galvanised U-shaped element
630mm weight 1,00kg
nº2 holes
1130mm weight 1,80kg
nº3 holes
COD. **CA10**



Galvanised wedge
weight 0,115kg
COD. **CA11**



Wedge for ties
weight 0,40kg
COD. **CA12**



Adjustable steel clamp for formwork
max opening 480mm
weight 5,30kg
COD. **CA13**



Adjustable forged steel clamp for formwork
weight 3,20kg
COD. **CA14**



Adjustable forged steel clamp for formwork
weight 1,30kg
COD. **CA14S**



Adjustable steel clamp for formwork
weight 4,50kg
COD. **CA14T**



Adjustable steel clamp for formwork
weight 5,20kg
COD. **CA14TL**



Wedge clamp for formwork
for ø6-10mm weight 0,48kg
COD. **CA15**



Spring clamp for formwork
for ø8-10mm 75x110mm weight 0,43kg
COD. **CA18**



Tensioner for wedge clamp
for ø8-10mm weight 1,40kg
COD. **CA20**



Tensioner spring clamp
for ø8-10mm weight 2,80kg
COD. **CA21**



Wing nut for formwork
for ø17mm weight 0,36kg bar
COD. **CA22**



Flange nut for formwork
for ø17mm bar ø70mm weight 0,34kg ø80mm weight 0,48kg
COD. **CA24**



Flange nut for formwork
for ø17mm bar ø80mm weight 0,43kg
COD. **CA26**



Flange nut for formwork
for ø17mm bar ø100mm weight 0,62kg
COD. **CA31**



Plate nut for formwork
for ø17mm bar ø100mm weight 1,45kg
COD. **CA34**



Dome nut plate for formwork
for ø17mm bar 120x120mm weight 1,30kg
COD. **CA35**



Water Stopper nut with PVC caps for formwork
for ø17mm bar weight 0,56kg
COD. **CA39**



Hexagonal tie rod nut for formwork
for ø17/22mm bar 50-105mm weight 0,16-0,43kg
COD. **CA40**



Beam clamp
weight 0,70kg
COD. **CA43**



Support bracket
weight 0,80kg
COD. **CA43B**



Clamp for edge drop beam
Mod. A: base 15÷40 cm internal height 15÷20 cm external height 50 cm
Mod. B: base 15÷40 cm internal height 15÷40 cm external height 50 cm
COD. **CA44**



Clamp for inside drop beam
Mod. A1: base 15÷30cm int. height 15÷20cm
Mod. A2: base 15÷30cm int. height. 25÷35cm
Mod. A3: base 15÷30cm int. height. 40÷50cm
Mod. B1: base 30÷45cm int. height. 15÷20cm
Mod. B2: base 30÷45cm int. height 25÷35cm
Mod. B3: base 30÷45cm int. height 40÷50cm
COD. **CA45**









GBM

Worksite parapets

Worksite parapets.

QUALITY MATERIALS

DURABILITY

SAFETY

Temporary protection system against falls on construction sites, stairs, balconies, terraces and roofs with slopes.

What is a parapet for construction sites?

GBM is a leading company in Europe in the production and distribution of temporary edge protection systems, paying particular attention to international technical standards and certifications, supplying prestigious leading companies in the construction industry all over the world.

The international technical standard EN 13374 : 2013 identifies three classes of protection, depending on the inclination of the working surface..

» Class “A”: inclination up to 10° (≈17,63 %);

» Class “B”: inclination up to 30° (≈57,73%) or up to 60° (≈ 173,2 %) if the falling height is less than 2 meters;

» Class “C”: inclination up to 45° (=100%) or up to 60° (≈ 173,2%) if the falling height is less than 5 meters.

All GBM’s parapets are produced and certified in compliance with international technical standards and even customized solutions can be designed, manufactured and certified.

PA01A

Fall protection device suitable for horizontal, vertical and planes with variable inclination.

This support, thanks to its characteristics of ductility and reversibility, is used on surfaces with variable inclination.

This standard guardrail post with clamp, regulated by inner threaded rod, is suitable for securing flat or inclined surfaces (up to 10°).

Anti-fall support 100 cm high.

Distance between the railings of 160 cm.

Weight of the product 5,00 kg.

EN 13374 CLASS A



Version 1

Height	100 cm
Distance between 2 railings	160 cm
Weight	5,00 kg

PA01B

Fall protection device suitable for horizontal, vertical and planes with variable inclination.

This support, thanks to its characteristics of ductility and reversibility, is used on surfaces with variable inclination.

Guardrail post with clamp with tilting plate mounted in the lower part of the clamp to allow the use on concrete stairs. Suitable for securing flat or inclined surfaces (up to 10°).

Anti-fall support 100 or 120 cm high.

Distance between the railings of 160 or 130 cm.

Weight of the product 5,5 or 6,00 kg.

EN 13374 CLASS A



Version 1

Height	100 cm
Distance between 2 railings	160 cm
Weight	5,5 kg

Version 2

Height	120 cm
Distance between 2 railings	130 cm
Weight	6,00 kg

PA04A

Fall protection device suitable for horizontal, vertical and planes with variable inclination.

This support, thanks to its characteristics of ductility and reversibility, is used on surfaces with variable inclination.

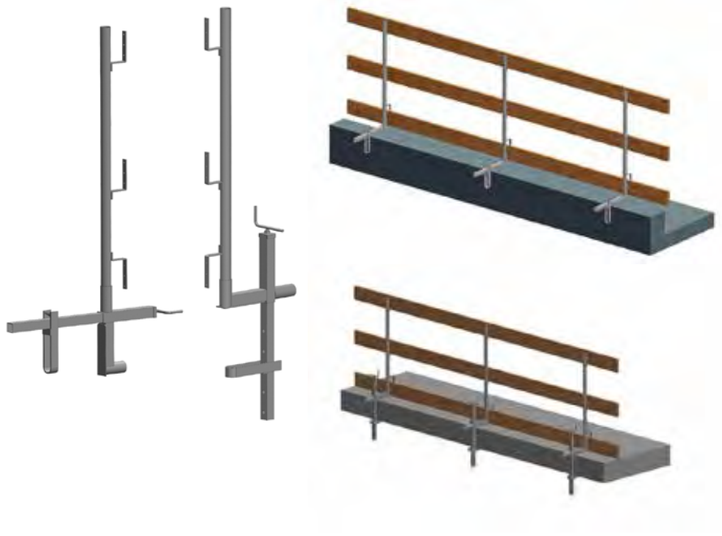
This temporary edge protection can be used on horizontal surfaces (such as terraces and slabs) or vertical supports (like stringcourses and ribs). The upright is available with supports for boards or for tubes. The device is equipped with a mechanism for quickly moving the clamp into the locked position.

Anti-fall support 110 cm high.

Distance between the railings of 150 cm.

Weight of the product 7,5 kg.

EN 13374 CLASS A



Version 1

Height	110 cm
Distance between 2 railings	150 cm
Weight	7,5 kg

PA05A

Fall protection device suitable for horizontal planes.

This support, thanks to its characteristics of ductility and reversibility, is used on horizontal surfaces.

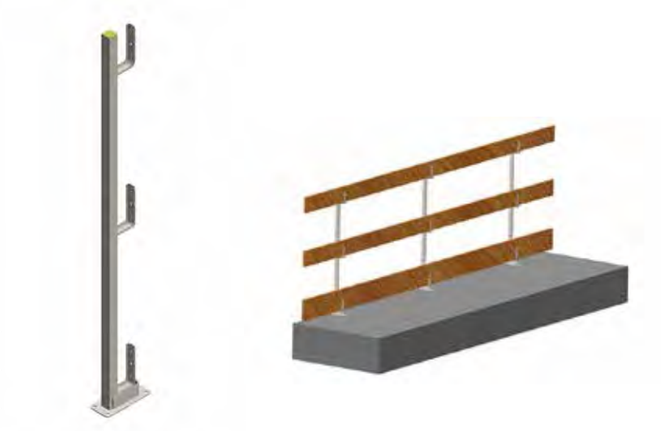
This edge protection for borders is installed using four plugs.

Anti-fall support 120 cm high.

Distance between the railings of 140 cm.

Weight of the product 3,5 kg.

EN 13374 CLASS A



Version 1

Height	120 cm
Distance between 2 railings	140 cm
Weight	3,5 kg

PA05B

Fall protection device suitable for horizontal, vertical and planes with variable inclination.

This support, thanks to its characteristics of ductility and reversibility, is used on surfaces with variable inclination.

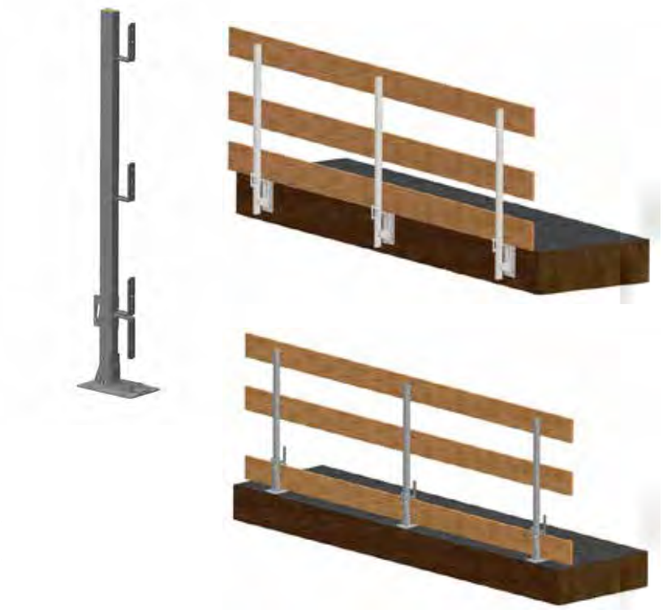
Very useful and versatile universal guard-rail thanks to the rotation of the plate around the axis of the upright. It can be installed on all types of surfaces, whether they are horizontal, inclined or vertical. The lower support is sliding in order to adapt to any size of installation.

Anti-fall support 120 cm high.

Distance between the railings of 160 cm.

Weight of the product 6,5 kg.

EN 13374 CLASS B



Version 1

Height	120 cm
Distance between 2 railings	160 cm
Weight	6,5 kg

PA06A

Fall protection device suitable for horizontal, vertical and planes with variable inclination.

This support, thanks to its characteristics of ductility and reversibility, is used on surfaces with variable inclination.

Guard-rail post to be inserted in the concrete, available in different versions: base Ø 25 mm, base Ø 40 mm, post for tubular railings of Ø 33,7 mm, for wooden boards and for angles.

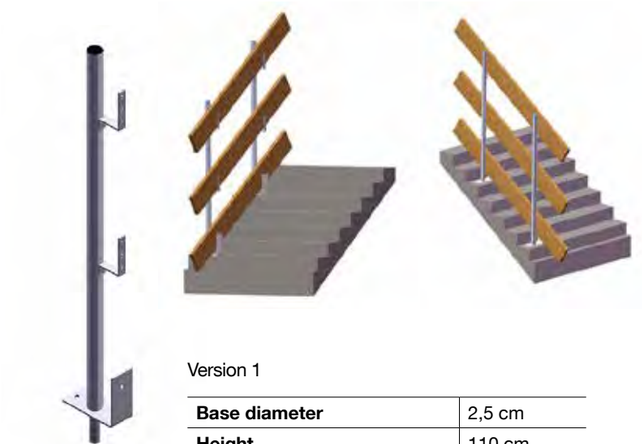
Railings with a base diameter of 2,5 cm or 4,0 cm.

Anti-fall support 110 cm high.

Distance between the railings of 140 cm.

Weight of the product 3,5 or 4,00 kg.

EN 13374 CLASS A



Version 1

Base diameter	2,5 cm
Height	110 cm
Distance between 2 railings	140 cm
Weight	3,5 kg

Version 2

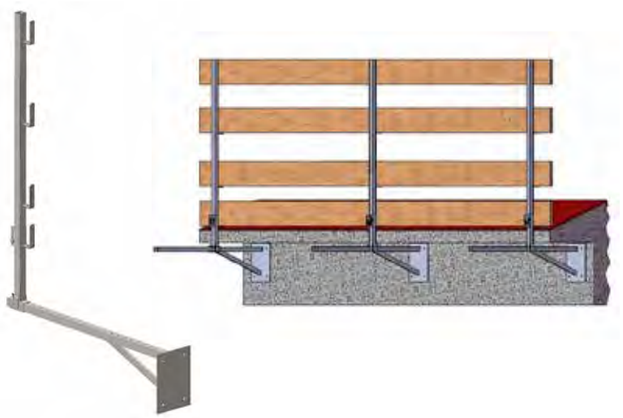
Base diameter	4,0 cm
Height	110 cm
Distance between 2 railings	140 cm
Weight	4,00 kg

PA07A

Fall protection device suitable for horizontal, vertical and planes with variable inclination.

This support, thanks to its characteristics of ductility and reversibility, is used on surfaces with variable inclination.

The edge protection is equipped with an adjustable post depending on the extension of the edge of the roof. The lower support is sliding in order to adapt to any size of installation. Particularly suitable for restorations and roof renovation. This system can replace the scaffolding in a more convenient way.



Anti-fall support 150 cm high.

Distance between the railings of 140 cm.

Weight of the product 12,00 kg.

EN 13374 CLASS B

Version 1

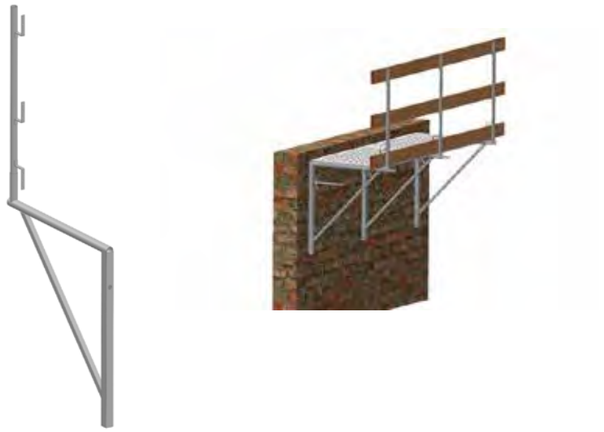
Height	150 cm
Distance between 2 railings	140 cm
Weight	12,00 kg

PA07D

Fall protection device suitable for horizontal, vertical and planes with variable inclination.

This support, thanks to its characteristics of ductility and reversibility, is used on surfaces with variable inclination.

Edge protection that allows you to install a working platform. This safety system is fixed to the wall using an M24 threaded bar and a counter-flange. Proper telescopic or fixed scaffolding boards can be used on it. Railings with a base diameter of 2,5 cm or 4,0 cm.



Anti-fall support 110 cm high.

Distance between the railings of 160 cm.

Weight of the product 11,5 kg.

EN 13374 CLASS A

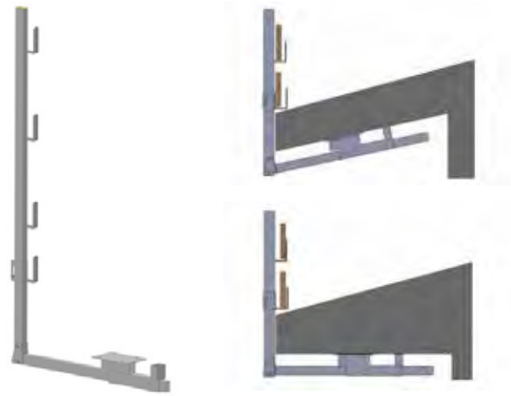
Version 1

Height	110 cm
Distance between 2 railings	160 cm
Weight	11,5 kg

PA07E

Fall protection device suitable for horizontal and planes with variable inclination.

Edge protection designed to delimit the cast slab and to secure the work area. It is secured to the outside wall using the threaded bar and flanges. The lower support is sliding in order to adapt to any size of installation.



Anti-fall support 170 cm high.

Distance between the railings of 150 cm.

Weight of the product 13,00 kg.

EN 13374 CLASS B

Version 1

Height	170 cm
Distance between 2 railings	150 cm
Weight	13,00 kg

PA09A

Fall protection device suitable for horizontal, vertical and surfaces with variable inclination.

The parapet upright is made and certified to be used as a protective support, allowing you to work on balconies, terraces and buildings with a slope of **no more than 30°**.



Anti-fall support 170 cm high.

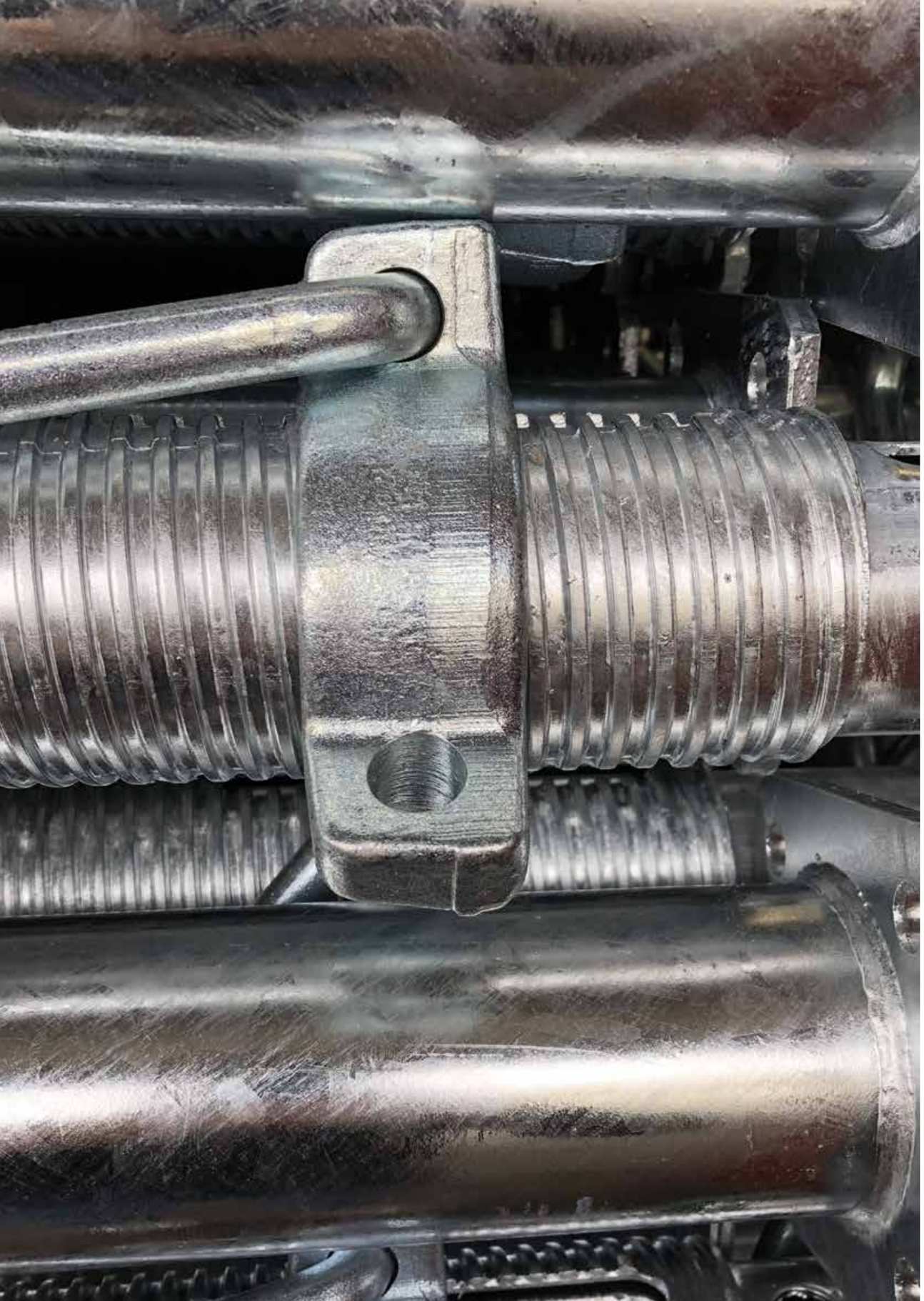
Distance between the railings of 160 cm.

Weight of the product 11,2 kg.

EN 13374 CLASS B

Version 1

Height	170 cm
Distance between 2 railings	160 cm
Weight	11,2 kg



GBM

Other accessories

We - at GBM - manufacture a number of accessories capable of covering any event of use in a worksite.

More than 120 specific accessories for props and scaffolding, here some samples of them.



Hopper support
Height 65 cm
Length 97cm
Width 72cm
Weight 16,00 kg

CODE **PO23**



Hopper
Loading mouth 64x42 cm
Exhaust mouth 39cm
Height 85 cm - Length 98cm
Width 74cm - Weight 8,5 kg

CODE **PO24**



Support bracket
weight 0,80kg

CODE **CA43B**



Scaffolding caster wheel with brake
200 x 40 mm, with brake

CODE **PO26**



Convoyer
Upper outer ø 59 cm
Upper inner ø 50 cm
Lower ø 38 cm
Height 106 cm - Weight 9,0 kg

CODE **PO25**



Sub-base
200x200mm

CODE **PO43**



GBM building site wheelbarrow
Wheelbarrow for professional use in the building sector.
Capacity 75 lt. Weight 12 kg.
Pneumatic tyre 350x80. Galvanized tray thickness 8/10.
Tubular frame Ø x thickness 30x1.5

COD. **AC14**



Steel builder trestle
L 1m H 1-1,8m
weight 13,00 kg

COD. **AC13**



Steel pin for prop
ø11 mm weight 0.40 kg
ø14 mm weight 0.50 kg
ø16 mm weight 0.88 kg

CODE **PU05**



Pin for prop with steel spring
ø16mm l75mm weight 0,12kg

CODE **PU07**



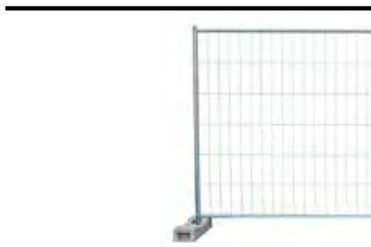
Nut for prop light type in cast iron
for ø60mm h40mm weight 0,85kg

CODE **PU10**



Nut for prop with 3 fins in forged steel
for ø60mm h35mm 1,00kg
for ø76mm h40mm 1,35kg
for ø89mm h40mm 1,40kg

CODE **PU14**



Mobile fence
Frame size m 3350 x 2000 m H
Horizontal pipes diameter (Ø) m 30
Vertical pipes diameter (Ø) m 40
Wire diameter (Ø) m 3,10
Mesh m 100x300 H

CODE **AC15**



Concrete plinth for mobile fences
Concrete feet suitable for the connection and positioning of the fence modules.

CODE **AC16**



Plate for push-pull prop
weight 0,9kg

CODE **AC05**



Bracing clamp
weight 1,45kg

CODE **AC09**

GBM
SHORING AND SCAFFOLDING

Coating and galvanising: industrial ecological processes? Inside GBM yes, they are.

To be protected from corrosion caused by the flow of time and by atmospheric agents, metal and steel manufactures may undergo different treatments. The main and most used treatments, with decades of history, are the coating and galvanising. With the evolution of technologies that are at the basis of these processes, these activities, that in the past were less regulated, are increasingly converting into a sustainable impact on the environment.

In GBM, we have decided to follow this path to the bottom to guarantee that all our products are compliant with the ethical code we self-imposed.



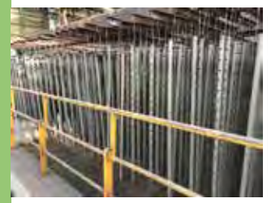
The main advantages of modern galvanising

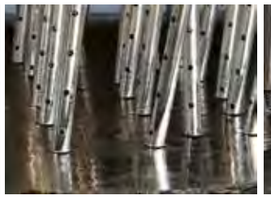
We adopt the most modern metallurgical techniques to make sure that our products are eco-friendly. Here's what are the main positive aspects of galvanising made by GBM.

- Galvanising is an extremely efficient way to protect the steel
- No loss of material
- Galvanising allows a very high retrieval of residues of processing
- Reduction of water consumption and of greenhouse gas emission
- Adherence to the European legislation 2011/65/UE

More specifically, the processes and materials we use during galvanising DO NOT CONTAIN:

» Lead;
» Mercury;
» Cadmium;
» Hexavalent chromium;
» Polybrominated biphenyls (PBB);
» Polybrominated diphenyl ethers (PBDE).

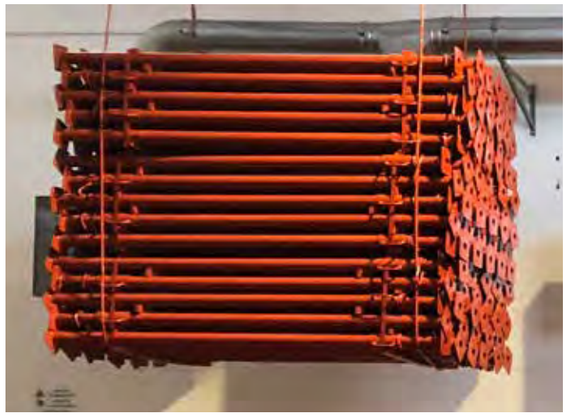



What ecological advantages do our painted products have?

Thanks to the use of water-based paints it has been possible to provide the following results.

- Reduction of traditional solvents and their substitution with water
- Reduction of volatile and harmful substances in the drying process
- Complete lack of some solvent pollutants used in the past.



More specifically, the processes and materials we use during coating DO NOT CONTAIN:

» Toluene;
» Trichloroethylene;
» Perchloroethylene;
» Vinyl chloride and others pertaining to the group of chlorinated solvents;
» N-hexane.


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