GBM

SHORING AND SCAFFOLDING

ENGLISH 03 / 2020

GBM

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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.

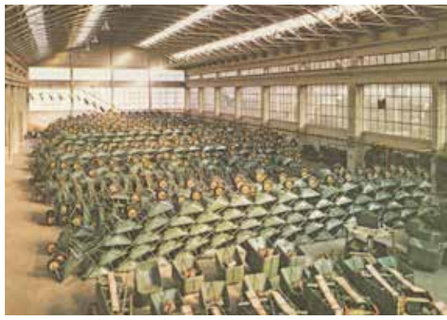
In the early 80s, construction products took various international markets by storm, thus consolidating the percentage deriving from the export of this product in the company's turnover.

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 70 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 10,000 ft^2 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 13,000,000 lbs 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.

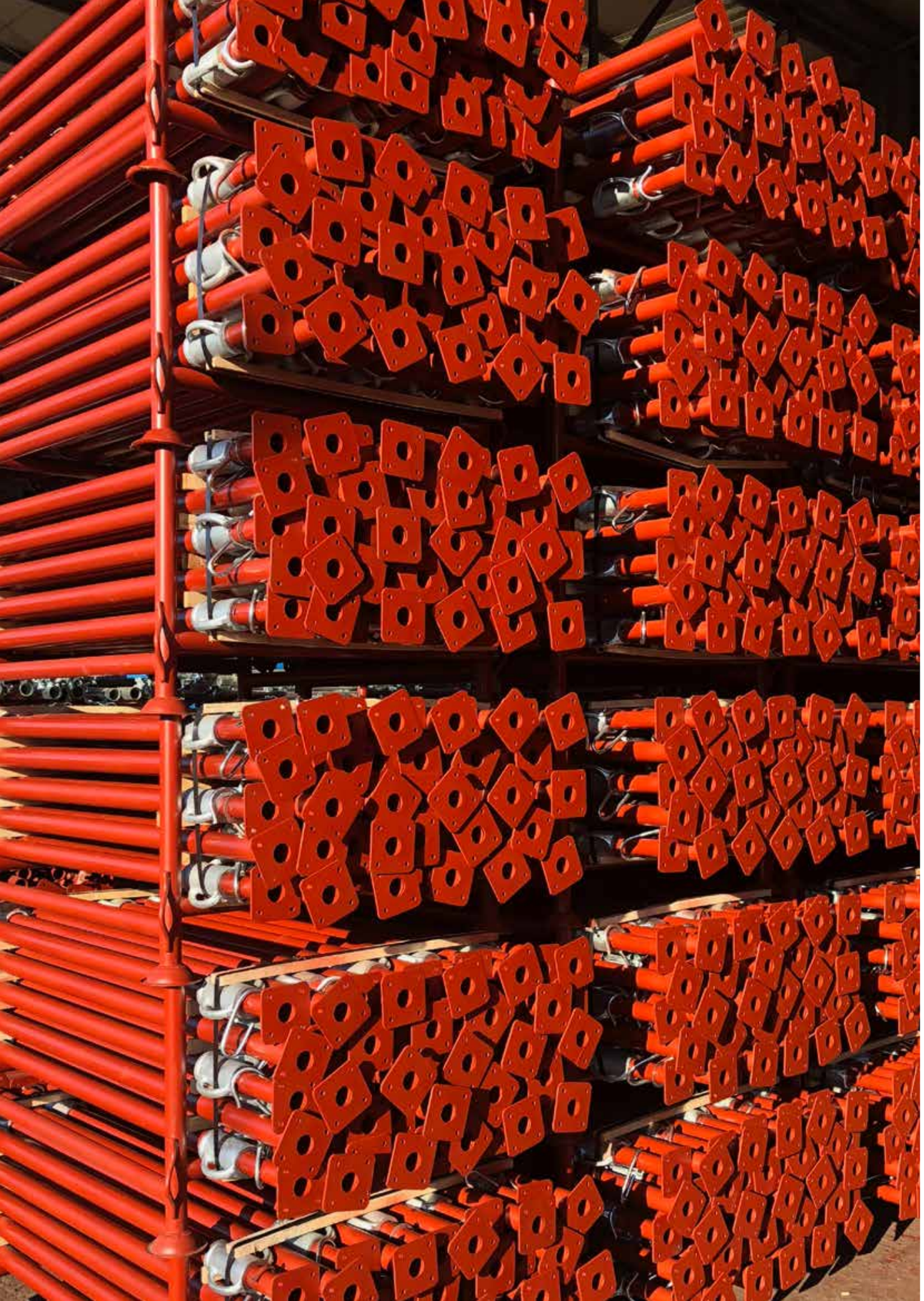
Expertise and awareness about the actual needs of a worksite are not traits you can fake. Same case applies to products that are safe, certified and capable of effortlessly meeting the most demanding **international standards**.

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 Republic
- » Chile
- » Colombia
- » Congo
- » Costa Rica
- » Croatia
- » Cuba
- » Czech Republic
- » Denmark
- » Dominican Republic
- » Ecuador
- » El Salvador
- » Ethiopia
- » Finland
- » France
- » Gabon
- » Georgia
- » Germany
- » Ghana
- » Guatemala
- » Guinea
- » 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 (February 2020).
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 +/-0.03 inches 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 550,000-lbs 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 3.9 inches interval, can reach extensions varying between 1’ 8” and 16’ 5”.

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;

» 0.3 inches 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 7.9 inches 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	Extension	1’ 8” 2’ 7”	2’ 7” 4’ 3”	3’ 7” 5’ 11”	4’ 11” 8’ 10”	5’ 3” 9’ 6”	5’ 7” 9’ 10”	5’ 11” 10’ 6”	6’ 7” 11’ 10”	7’ 3” 13’ 1”	7’ 10” 14’ 9”	9’ 2” 16’ 5”
meters	feet	lbs										
5,0	16’ 5”	-	-	-	-	-	-	-	-	-	-	1000
4,9	16’ 1”	-	-	-	-	-	-	-	-	-	-	1070
4,8	15’ 9”	-	-	-	-	-	-	-	-	-	-	1140
4,7	15’ 5”	-	-	-	-	-	-	-	-	-	-	1210
4,6	15’ 1”	-	-	-	-	-	-	-	-	-	-	1280
4,5	14’ 9”	-	-	-	-	-	-	-	-	-	1130	1370
4,4	14’ 5”	-	-	-	-	-	-	-	-	-	1240	1450
4,3	14’ 1”	-	-	-	-	-	-	-	-	-	1350	1560
4,2	13’ 9”	-	-	-	-	-	-	-	-	-	1430	1660
4,1	13’ 5”	-	-	-	-	-	-	-	-	-	1580	1800
4,0	13’ 1”	-	-	-	-	-	-	-	-	1400	1700	1930
3,9	12’ 10”	-	-	-	-	-	-	-	-	1470	1820	2100
3,8	12’ 6”	-	-	-	-	-	-	-	-	1540	1920	2280
3,7	12’ 2”	-	-	-	-	-	-	-	-	1910	1940	2510
3,6	11’ 10”	-	-	-	-	-	-	-	1830	1920	2050	2740
3,5	11’ 6”	-	-	-	-	-	-	-	1830	1930	2160	3080
3,4	11’ 2”	-	-	-	-	-	-	-	1830	1940	2300	3410
3,3	10’ 10”	-	-	-	-	-	-	-	2450	2250	2350	3510
3,2	10’ 6”	-	-	-	-	-	-	2440	2660	2670	2860	3510
3,1	10’ 2”	-	-	-	-	-	-	2650	2720	2810	3080	3510
3,0	9’ 10”	-	-	-	-	-	2710	2860	2930	3000	3270	3510
2,9	9’ 6”	-	-	-	-	2970	2970	3130	3130	3130	3510	3510
2,8	9’ 2”	-	-	-	-	3080	3070	2710	3340	3410	3510	3510
2,7	8’ 10”	-	-	-	3240	3210	3190	3510	3510	3510	3510	-
2,6	8’ 6”	-	-	-	3510	3510	3410	3510	3510	3510	3510	-
2,5	8’ 2”	-	-	-	3510	3510	3510	3510	3510	3510	3510	-
2,4	7’ 10”	-	-	-	3510	3510	3510	3510	3510	3510	-	-
2,3	7’ 7”	-	-	-	3510	3510	3510	3510	3510	3510	-	-
2,2	7’ 3”	-	-	-	3510	3510	3510	3510	3510	3510	-	-
2,1	6’ 11”	-	-	-	3510	3510	3510	3510	3510	-	-	-
2,0	6’ 7”	-	-	-	3510	3510	3510	3510	3510	-	-	-
1,9	6’ 3”	-	-	-	3510	3510	3510	3510	-	-	-	-
1,8	5’ 11”	-	-	3510	3510	3510	3510	3510	-	-	-	-
1,7	5’ 7”	-	-	3510	3510	3510	3510	-	-	-	-	-
1,6	5’ 3”	-	-	3510	3510	3510	-	-	-	-	-	-
1,5	4’ 11”	-	-	3510	3510	-	-	-	-	-	-	-
1,4	4’ 7”	-	-	3510	-	-	-	-	-	-	-	-
1,3	4’ 3”	-	3510	3510	-	-	-	-	-	-	-	-
1,2	3’ 11”	-	3510	3510	-	-	-	-	-	-	-	-
1,1	3’ 7”	-	3510	3510	-	-	-	-	-	-	-	-
1,0	3’ 3”	-	3510	-	-	-	-	-	-	-	-	-
0,9	2’ 11”	-	3510	-	-	-	-	-	-	-	-	-
0,8	2’ 7”	3510	3510	-	-	-	-	-	-	-	-	-
0,7	2’ 4”	3510	-	-	-	-	-	-	-	-	-	-
0,6	2’	3510	-	-	-	-	-	-	-	-	-	-
0,5	1’ 8”	3510	-	-	-	-	-	-	-	-	-	-

IMPORTANT: Loads table’s values represent the admissible load values according to safety factor 1.65 : 1

Dimensional table

“Italia” Prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Ø Outer tube (in.)	Plates	Safety factor	Weight (lbs)
1’ 8”-2’ 7”	2’ 7”	1’ 8”	1.9	2.2	Yes	1,65	9.3
2’ 7”-4’ 3”	4’ 3”	2’ 7”	1.9	2.2	Yes	1,65	10.9
3’ 7”-5’ 11”	5’ 11”	3’ 7”	1.9	2.2	Yes	1,65	13.6
4’ 11”-8’ 10”	8’ 10”	4’ 11”	1.9	2.2	Yes	1,65	17.2
5’ 3”-9’ 6”	9’ 6”	5’ 3”	1.9	2.2	Yes	1,65	18.1
5’ 7”-9’ 10”	9’ 10”	5’ 7”	1.9	2.2	Yes	1,65	18.8
5’ 11”-10’ 6”	10’ 6”	5’ 11”	1.9	2.2	Yes	1,65	19.5
6’ 7”-11’ 10”	11’ 10”	6’ 7”	1.9	2.2	Yes	1,65	21.2
7’ 3”-13’ 1”	13’ 1”	7’ 3”	1.9	2.2	Yes	1,65	23.2
7’ 10”-14’ 9”	14’ 9”	7’ 10”	1.9	2.2	Yes	1,65	28.2
9’ 2”-16’ 5”	16’ 5”	9’ 2”	1.9	2.2	Yes	1,65	28.7

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 6740 lbs. - 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 6’ to 13’ 1” extension.

DIN EN 1065 class D

With 4500 lbs. guaranteed capacity and available in variants with 5’ 8” to 18’ 1” extension.

DIN EN 1065 class E

With 6740 lbs. guaranteed capacity and available in variants with 5’ 8” to 13’ 1” extension.

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

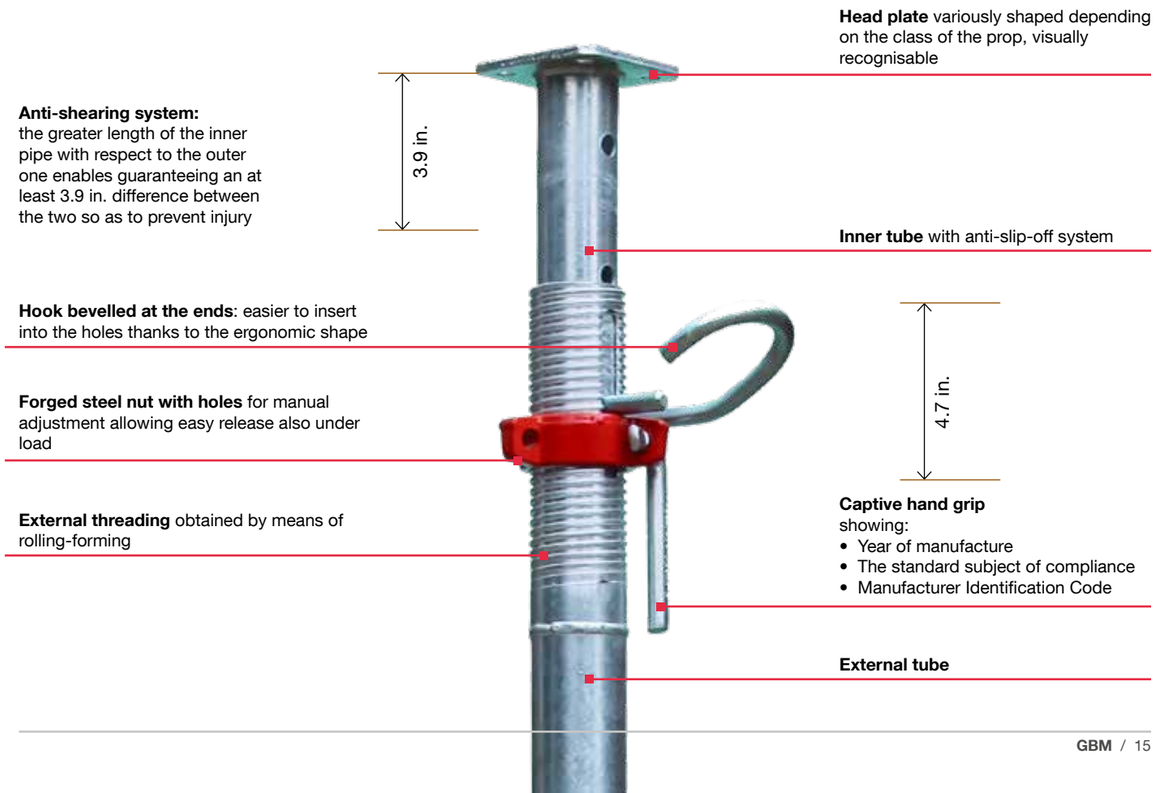
- variously shaped plates depending on the class of the prop, so as to make it immediately recognisable visually;
- forged steel adjustment ring nut with two supplementary holes, suitable for millimetric adjustment;
- hook bevelled at the ends: easier to insert into the holes thanks to the ergonomic shape;
- anti-shearing system: the greater length of the inner pipe with respect to the inner one enables guaranteeing an at least 3.9 in. 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

Extension	Extension	B30 (6' - 9' 10")	B35 (6' 9" - 11' 6")	B40 (7' 8" - 13' 1")
meters	feet	lbs		
4,0	**13' 1"**	-	-	2610
3,9	**12' 10"**	-	-	2830
3,8	**12' 6"**	-	-	2940
3,7	**12' 2"**	-	-	3120
3,6	**11' 10"**	-	-	3330
3,5	**11' 6"**	-	3550	3480
3,4	**11' 2"**	-	3820	3640
3,3	**10' 10"**	-	4070	3840
3,2	**10' 6"**	-	4110	4110
3,1	**10' 2"**	-	4540	4360
3,0	**9' 10"**	4740	4680	4520
2,9	**9' 6"**	5200	4720	4790
2,8	**9' 2"**	5580	4740	5130
2,7	**8' 10"**	6070	4810	5820
2,6	**8' 6"**	6500	4950	6740
2,5	**8' 2"**	6880	5240	6740
2,4	**7' 10"**	7220	5640	6740
2,3	**7' 7"**	7640	6470	6740
2,2	**7' 3"**	8270	6740	-
2,1	**6' 11"**	8770	6740	-
2,0	**6' 7"**	8770	6740	-
1,9	**6' 3"**	8770	-	-
1,8	**5' 11"**	8770	-	-

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 6' and 13' 1") and capacity (higher with closed configuration).

Below are the technical features of each one of them.

IMPORTANT: Loads table's values represent the admissible load values according to UNI EN 1065 standard, with safety factor 1.65 : 1

Dimensional table

DIN EN 1065 class B prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Ø Outer tube (in.)	Plates	Safety factor	Weight (lbs)
30	9' 10"	6'	1.9	2.37	Yes	1,65	32.0
35	11' 6"	6' 9"	1.9	2.37	Yes	1,65	34.8
40	13' 1"	7' 8"	1.9	2.37	Yes	1,65	39.5

DIN EN 1065 class D props loads table

Extension	Extension	D30 ECO (6' - 9' 10")		D35 ECO (6' 11" - 11' 8")		D30 (5' 8" - 9' 10")		D35 (6' 6" - 11' 6")		D40 (7' 5" - 13' 1")		D55 (9' 11" - 18' 1")	
		Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
meters	feet	lbs											
5,5	**18' 1"**	-	-	-	-	-	-	-	-	-	-	4900	5400
5,4	**17' 9"**	-	-	-	-	-	-	-	-	-	-	5150	5670
5,3	**17' 5"**	-	-	-	-	-	-	-	-	-	-	5370	5910
5,2	**17' 1"**	-	-	-	-	-	-	-	-	-	-	5640	6200
5,1	**16' 9"**	-	-	-	-	-	-	-	-	-	-	5980	6590
5,0	**16' 5"**	-	-	-	-	-	-	-	-	-	-	6180	6810
4,9	**16' 1"**	-	-	-	-	-	-	-	-	-	-	6590	7240
4,8	**15' 9"**	-	-	-	-	-	-	-	-	-	-	6880	7580
4,7	**15' 5"**	-	-	-	-	-	-	-	-	-	-	7330	8070
4,6	**15' 1"**	-	-	-	-	-	-	-	-	-	-	7580	8340
4,5	**14' 9"**	-	-	-	-	-	-	-	-	-	-	8000	8770
4,4	**14' 5"**	-	-	-	-	-	-	-	-	-	-	8450	8770
4,3	**14' 1"**	-	-	-	-	-	-	-	-	-	-	8770	8770
4,2	**13' 9"**	-	-	-	-	-	-	-	-	-	-	8770	8770
4,1	**13' 5"**	-	-	-	-	-	-	-	-	-	-	8770	8770
4,0	**13' 1"**	-	-	-	-	-	-	-	-	4900	5640	8770	8770
3,9	**12' 10"**	-	-	-	-	-	-	-	-	5080	5850	8770	8770
3,8	**12' 6"**	-	-	-	-	-	-	-	-	5510	6340	8770	8770
3,7	**12' 2"**	-	-	-	-	-	-	-	-	5960	6860	8770	8770
3,6	**11' 10"**	-	-	-	-	-	-	-	-	6230	7170	8770	8770
3,5	**11' 6"**	-	-	4630	5420	-	-	5370	6450	6650	3640	8770	8770
3,4	**11' 2"**	-	-	4700	5580	-	-	5850	7410	7170	8250	8770	8770
3,3	**10' 10"**	-	-	4790	5710	-	-	6320	7580	7600	8750	8770	8770
3,2	**10' 6"**	-	-	4880	5850	-	-	6810	8180	7910	8770	8770	8770
3,1	**10' 2"**	-	-	4990	6000	-	-	7220	8660	8180	8770	8770	8770
3,0	**9' 10"**	4740	5690	5100	6160	6590	7910	7490	8770	8610	8770	-	-
2,9	**9' 6"**	5190	6230	5240	6360	6900	8270	7690	8770	8770	8770	-	-
2,8	**9' 2"**	5580	6700	5400	6740	7100	8520	7820	8770	8770	8770	-	-
2,7	**8' 10"**	6070	7280	5530	6990	7240	8680	7960	8770	8770	8770	-	-
2,6	**8' 6"**	6500	7800	5690	7260	7400	8770	8300	8770	8770	8770	-	-
2,5	**8' 2"**	6880	8250	5850	7640	7550	8770	8700	8770	8770	8770	-	-
2,4	**7' 10"**	7220	8660	6000	7910	7780	8770	8770	8770	8770	8770	-	-
2,3	**7' 7"**	7640	8770	6180	8430	8030	8770	8770	8770	8770	8770	-	-
2,2	**7' 3"**	8270	8770	6410	8770	8360	8770	8770	8770	-	-	-	-
2,1	**6' 11"**	8770	8770	6740	8770	8720	8770	8770	8770	-	-	-	-
2,0	**6' 7"**	8770	8770	-	-	8770	8770	8770	8770	-	-	-	-
1,9	**6' 3"**	8770	8770	-	-	8770	8770	-	-	-	-	-	-
1,8	**5' 11"**	8770	8770	-	-	8770	8770	-	-	-	-	-	-

We - at GBM manufacture six different models of DIN EN 1065 class D props (D 30 ECO, D 35 ECO, D 30, D 35, D 40, D 55). In some sizes, these products also come in the "eco" version, available at a lower price, but still capable of maintaining the guaranteed 5820 lbs. capacity at the maximum extensions.

The six models are classified according to the maximum extension (comprised between 5' 8" and 18' 1") and capacity.

Below are the technical features of each one of them.

IMPORTANT: Loads table's values represent the admissible load values according to UNI EN 1065 standard, with safety factor 1.65 : 1

Dimensional table

DIN EN 1065 class D prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Ø Outer tube (in.)	Plates	Safety factor	Weight (lbs)
30 ECO	9' 10"	6'	1.9	2.4	Yes	1,65	35.1
35 ECO	11' 8"	6' 11"	1.9	2.4	Yes	1,65	38.8
30	9' 10"	5' 8"	2.5	3.0	Yes	1,65	39.2
35	11' 6"	6' 6"	2.5	3.0	Yes	1,65	43.4
40	13' 1"	7' 5"	2.5	3.0	Yes	1,65	48.7
55	18' 1"	9' 11"	3.0	3.5	Yes	1,65	77.2

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	Extension	E30 (5' 8" - 9' 10")		E35 (6' 6" - 11' 6")		E40 (7' 5" - 13' 1")	
		Up	Down	Up	Down	Up	Down
meters	feet						
4,0	13' 1"	-	-	-	-	7460	8210
3,9	12' 10"	-	-	-	-	8270	9100
3,8	12' 6"	-	-	-	-	8770	9220
3,7	12' 2"	-	-	-	-	9220	9220
3,6	11' 10"	-	-	-	-	9220	9220
3,5	11' 6"	-	-	7190	7550	9220	9220
3,4	11' 2"	-	-	7940	8340	9220	9220
3,3	10' 10"	-	-	8480	8900	9220	9220
3,2	10' 6"	-	-	8990	9220	9220	9220
3,1	10' 2"	-	-	9220	9220	9220	9220
3,0	9' 10"	7280	8000	9220	9220	9220	9220
2,9	9' 6"	8050	8860	9220	9220	9220	9220
2,8	9' 2"	8180	8990	9220	9220	9220	9220
2,7	8' 10"	8390	9220	9220	9220	9220	9220
2,6	8' 6"	8720	9220	9220	9220	9220	9220
2,5	8' 2"	8920	9220	9220	9220	9220	9220
2,4	7' 10"	8990	9220	9220	9220	9220	9220
2,3	7' 7"	9220	9220	9220	9220	9220	9220
2,2	7' 3"	9220	9220	9220	9220	-	-
2,1	6' 11"	9220	9220	9220	9220	-	-
2,0	6' 7"	9220	9220	9220	9220	-	-
1,9	6' 3"	9220	9220	-	-	-	-
1,8	5' 11"	9220	9220	-	-	-	-

IMPORTANT: Loads table's values represent the admissible load values according to UNI EN 1065 standard, with safety factor 1.65 : 1

Dimensional table

DIN EN 1065 class E prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Ø Outer tube (in.)	Plates	Safety factor	Weight (lbs)
30	9' 10"	5' 8"	2.5	3.0	Yes	1,65	38.6
35	11' 6"	6' 6"	2.5	3.0	Yes	1,65	52.5
40	13' 1"	7' 5"	3.0	3.5	Yes	1,65	57.3

DIN EN 1065 props

Comparative table

	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Ø Outer tube (in.)	Weight (lbs)
B 30	9' 10"	6'	1.9	2.37	32.0
B 35	11' 6"	6' 9"	1.9	2.37	34.8
B 40	13' 1"	7' 8"	1.9	2.37	39.5
D 30 ECO	9' 10"	6'	1.9	2.4	35.1
D 35 ECO	11' 8"	6' 11"	1.9	2.4	38.8
D 30	9' 10"	5' 8"	2.5	3.0	39.2
D 35	11' 6"	6' 6"	2.5	3.0	43.4
D 40	13' 1"	7' 5"	2.5	3.0	48.7
D 55	18' 1"	9' 11"	3.0	3.5	77.2
E 30	9' 10"	5' 8"	2.5	3.0	38.6
E 35	11' 6"	6' 6"	2.5	3.0	52.5
E 40	13' 1"	7' 5"	3.0	3.5	57.3

ANSI SSFI SH300 props

Below are their features:

» forged steel adjustment ring nut with two supplementary holes, suitable for millimetric adjustment;

» quick release system: made in C45, 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;

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

» 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;

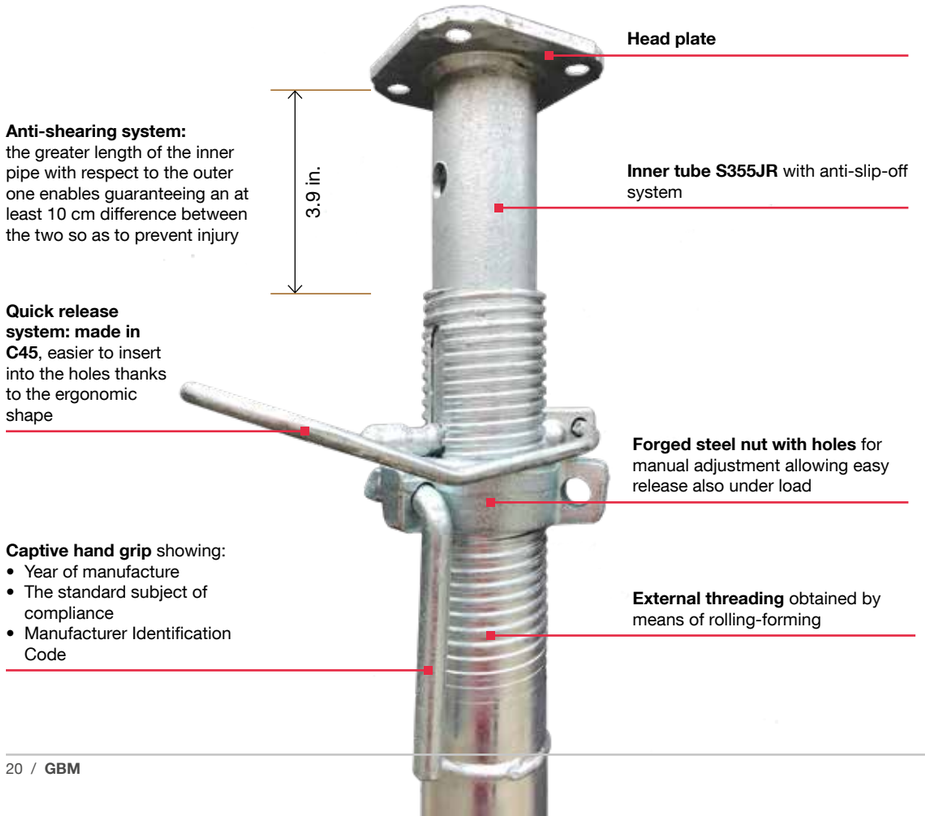
» tripod stand capable of supporting the prop when laying on site and when laying the floor;

» 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



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

Loads table

We - at GBM - manufacture 2 different models of ANSI SSFI SH300 props.

They are classified according to maximum extension and capacity.

Below are their technical features.

Extension	Extension	US35	US55
meters	feet	lbs.	
5,50	18' 1"	-	4820
5,30	17' 5"	-	5610
5,15	16' 11"	-	6080
5,00	16' 5"	-	6630
4,85	15' 11"	-	7000
4,70	15' 5"	-	7790
4,55	14' 11"	-	8480
4,40	14' 5"	-	9060
4,25	13' 11"	-	9810
4,10	13' 5"	-	10440
3,95	13'	-	11370
3,80	12' 6"	-	12630
3,65	12'	-	13150
3,50	11' 6"	9760	14270
3,35	11'	11420	14810
3,20	10' 6"	12830	14810
3,05	10'	13850	14810
2,90	9' 6"	14480	-
2,75	9'	14860	-
2,60	8' 6"	15620	-
2,45	8'	16450	-
2,30	7' 7"	16510	-
2,15	7' 1"	16510	-
2,00	6' 7"	16510	-

IMPORTANT: Loads table's values represent the admissible load values according to ANSI SSFI SH300 standard, with safety factor 3 : 1

Dimensional table

ANSI SSFI SH300 Prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Ø Outer tube (in.)	Plates	Safety factor	Weight (lbs)
US35	11' 6"	6' 7"	2.5	3.0	Yes	3.00	46.0
US55	18' 1"	10'	2.5	3.0	Yes	3.00	74.5

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 5’ 11” and 16’ 5” depending on the prop model, at 10 cm intervals by means of a double handle sleeve adjustment;
- » Pulling guaranteed at 5240 lbs. 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 3.9 in. 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 5’ 11” and 16’ 5” depending on the prop model, at 10 cm intervals by adjusting a spherical cast iron ring nut;
- » Pulling guaranteed at 8540 lbs. 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 3.9 in. 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 1.9 x 0.12 in. ;
- » Outer pipe diameter 2.3 x 0.1 in.

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 5’ 11” and 17’ 9” depending on the prop model, at 3.9 in. intervals by adjusting two steel ring nuts;
- » Pulling guaranteed at 8540 lbs. 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 3.9 in. 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 1.9 x 0.07 in.;

» Outer pipe diameter 2.2 x 0.06 in.

Loads table

Extension	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
meters	feet	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)
5,0	**16’ 5”**	-	-	-	-	-	-	-	-	-	-	-	-	430	860	5310
4,9	**16’ 1”**	-	-	-	-	-	-	-	-	-	-	-	-	450	900	5310
4,8	**15’ 9”**	-	-	-	-	-	-	-	-	-	-	-	-	470	940	5310
4,7	**15’ 5”**	-	-	-	-	-	-	-	-	-	-	-	-	510	1020	5310
4,6	**15’ 1”**	-	-	-	-	-	-	-	-	-	-	-	-	530	1060	5310
4,5	**14’ 9”**	-	-	-	-	-	-	-	-	-	520	1040	4940	570	1140	5310
4,4	**14’ 5”**	-	-	-	-	-	-	-	-	-	550	1100	4940	610	1220	5310
4,3	**14’ 1”**	-	-	-	-	-	-	-	-	-	580	1160	4940	650	1300	5310
4,2	**13’ 9”**	-	-	-	-	-	-	-	-	-	620	1240	4940	700	1400	5310
4,1	**13’ 5”**	-	-	-	-	-	-	-	-	-	660	1320	4940	750	1500	5310
4,0	**13’ 1”**	-	-	-	-	-	-	640	1280	4940	710	1420	4940	810	1620	5310
3,9	**12’ 10”**	-	-	-	-	-	-	690	1380	4940	760	1520	4940	880	1760	5310
3,8	**12’ 6”**	-	-	-	-	-	-	730	1460	4940	820	1640	4940	970	1940	5310
3,7	**12’ 2”**	-	-	-	-	-	-	790	1580	4940	890	1780	4940	1060	2120	5310
3,6	**11’ 10”**	-	-	-	-	-	-	840	1680	4940	970	1940	4940	1160	2320	5310
3,5	**11’ 6”**	-	-	-	840	1680	4940	920	1840	4940	1060	2120	4940	1290	2580	5310
3,4	**11’ 2”**	-	-	-	890	1780	4940	990	1980	4940	1160	2320	4940	1430	2860	5310
3,3	**10’ 10”**	-	-	-	940	1880	4940	1080	2160	4940	1280	2560	4940	1550	3100	5310
3,2	**10’ 6”**	-	-	-	1080	2160	4940	1180	2360	4940	1350	2700	4940	1640	3280	5310
3,1	**10’ 2”**	-	-	-	1180	2360	4940	1300	2600	4940	1460	2920	4940	1710	3420	5310
3,0	**9’ 10”**	1150	2300	4940	1290	2580	4940	1440	2880	4940	1570	3140	4940	1760	3520	5310
2,9	**9’ 6”**	1260	2520	4940	1430	2860	4940	1610	3220	4940	1750	3500	4940	1820	3640	5310
2,8	**9’ 2”**	1390	2780	4940	1580	3160	4940	1750	3500	4940	1960	3920	4940	-	-	-
2,7	**8’ 10”**	1540	3080	4940	1750	3500	4940	1910	3820	4940	2160	4320	4940	-	-	-
2,6	**8’ 6”**	1710	3420	4940	1940	3880	4940	2100	4200	4940	2470	4940	4940	-	-	-
2,5	**8’ 2”**	1920	3840	4940	2140	4280	4940	2470	4940	4940	-	-	-	-	-	-
2,4	**7’ 10”**	2170	4340	4940	2470	4940	4940	2470	4940	4940	-	-	-	-	-	-
2,3	**7’ 7”**	2470	4940	4940	2470	4940	4940	-	-	-	-	-	-	-	-	-
2,2	**7’ 3”**	2470	4940	4940	2470	4940	4940	-	-	-	-	-	-	-	-	-
2,1	**6’ 11”**	2470	4940	4940	2470	4940	4940	-	-	-	-	-	-	-	-	-
2,0	**6’ 7”**	2470	4940	4940	-	-	-	-	-	-	-	-	-	-	-	-
1,9	**6’ 3”**	2470	4940	4940	-	-	-	-	-	-	-	-	-	-	-	-
1,8	**5’ 11”**	2470	4940	4940	-	-	-	-	-	-	-	-	-	-	-	-

Dimensional table

L1 push pull prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Inner tube thickness (in.)	Ø Outer tube (in.)	Outer tube thickness (in.)	Plates	Weight (lbs)
PTS 3000 L1	10’	5’ 9”	1.9	0.07	2.2	0.06	Yes	20.7
PTS 3500 L1	11’ 8”	6’ 9”	1.9	0.07	2.2	0.06	Yes	23.1
PTS 4000 L1	13’ 3”	7’ 9”	1.9	0.07	2.2	0.06	Yes	25.4
PTS 4500 L1	14’ 11”	8’ 4”	1.9	0.07	2.2	0.06	Yes	27.8
PTS 5000 L1	16’ 7”	9’ 4”	1.9	0.07	2.2	0.06	Yes	30.4

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 1.9 x 0.12 in.;

» Outer pipe diameter 2.2 x 0.1 in.

Loads table

Extension	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
meters	feet	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)
5,0	**16’ 5”**	-	-	-	-	-	-	-	-	-	-	-	-	540	1080	8260
4,9	**16’ 1”**	-	-	-	-	-	-	-	-	-	-	-	-	570	1140	8260
4,8	**15’ 9”**	-	-	-	-	-	-	-	-	-	-	-	-	610	1220	8260
4,7	**15’ 5”**	-	-	-	-	-	-	-	-	-	-	-	-	650	1300	8260
4,6	**15’ 1”**	-	-	-	-	-	-	-	-	-	-	-	-	690	1380	8260
4,5	**14’ 9”**	-	-	-	-	-	-	-	-	-	650	1300	8260	730	1460	8260
4,4	**14’ 5”**	-	-	-	-	-	-	-	-	-	690	1380	8260	780	1560	8260
4,3	**14’ 1”**	-	-	-	-	-	-	-	-	-	740	1480	8260	830	1660	8260
4,2	**13’ 9”**	-	-	-	-	-	-	-	-	-	780	1560	8260	890	1780	8260
4,1	**13’ 5”**	-	-	-	-	-	-	-	-	-	840	1680	8260	960	1920	8260
4,0	**13’ 1”**	-	-	-	-	-	-	820	1640	8260	900	1800	8260	1040	2080	8260
3,9	**12’ 10”**	-	-	-	-	-	-	870	1740	8260	960	1920	8260	1130	2260	8260
3,8	**12’ 6”**	-	-	-	-	-	-	940	1880	8260	1040	2080	8260	1240	2480	8260
3,7	**12’ 2”**	-	-	-	-	-	-	1000	2000	8260	1120	2240	8260	1360	2720	8260
3,6	**11’ 10”**	-	-	-	-	-	-	1080	2160	8260	1220	2440	8260	1510	3020	8260
3,5	**11’ 6”**	-	-	-	1060	2120	8260	1170	2340	8260	1330	2660	8260	1680	3360	8260
3,4	**11’ 2”**	-	-	-	1140	2280	8260	1260	2520	8260	1460	2920	8260	1870	3740	8260
3,3	**10’ 10”**	-	-	-	1230	2460	8260	1370	2740	8260	1610	3220	8260	2070	4140	8260
3,2	**10’ 6”**	-	-	-	1340	2680	8260	1500	3000	8260	1800	3600	8260	2220	4440	8260
3,1	**10’ 2”**	-	-	-	1450	2900	8260	1650	3300	8260	2030	4060	8260	2320	4640	8260
3,0	**9’ 10”**	1460	2920	8260	1590	3180	8260	1820	3640	8260	2320	4640	8260	2390	4780	8260
2,9	**9’ 6”**	1600	3200	8260	1740	3480	8260	2030	4060	8260	2680	5360	8260	2460	4920	8260
2,8	**9’ 2”**	1760	3520	8260	1930	3860	8260	2290	4580	8260	3070	6140	8260	-	-	-
2,7	**8’ 10”**	1940	3880	8260	2140	4280	8260	2630	5260	8260	3290	6580	8260	-	-	-
2,6	**8’ 6”**	2160	4320	8260	2400	4800	8260	3080	6160	8260	3430	6860	8260	-	-	-
2,5	**8’ 2”**	2410	4820	8260	2720	5440	8260	3740	7480	8260	-	-	-	-	-	-
2,4	**7’ 10”**	2720	5440	8260	3140	6280	8260	4130	8260	8260	-	-	-	-	-	-
2,3	**7’ 7”**	3100	6200	8260	3690	7380	8260	-	-	-	-	-	-	-	-	-
2,2	**7’ 3”**	3680	7360	8260	4130	8260	8260	-	-	-	-	-	-	-	-	-
2,1	**6’ 11”**	4130	8260	8260	4130	8260	8260	-	-	-	-	-	-	-	-	-
2,0	**6’ 7”**	4130	8260	8260	-	-	-	-	-	-	-	-	-	-	-	-
1,9	**6’ 3”**	4130	8260	8260	-	-	-	-	-	-	-	-	-	-	-	-
1,8	**5’ 11”**	4130	8260	8260	-	-	-	-	-	-	-	-	-	-	-	-

Dimensional table

L2 push pull prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Inner tube thickness (in.)	Ø Outer tube (in.)	Outer tube thickness (in.)	Plates	Weight (lbs)
PTS 3000 L2	10’	5’ 9”	1.9	0.12	2.2	0.1	Yes	29.5
PTS 3500 L2	11’ 8”	6’ 9”	1.9	0.12	2.2	0.1	Yes	33.3
PTS 4000 L2	13’ 3”	7’ 9”	1.9	0.12	2.2	0.1	Yes	36.6
PTS 4500 L2	14’ 11”	8’ 4”	1.9	0.12	2.2	0.1	Yes	40.3
PTS 5000 L2	16’ 7”	9’ 4”	1.9	0.12	2.2	0.1	Yes	44.5

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 8540 lbs. regardless of the use extension;

» Inner pipe diameter 1.9 x 0.12 in.;

» Outer pipe diameter 2.4 x 0.1 in.

Loads table

Extension	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
meters	feet	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)
5,0	**16’ 5”**	-	-	-	-	-	-	-	-	-	-	-	-	580	1160	8540
4,9	**16’ 1”**	-	-	-	-	-	-	-	-	-	-	-	-	620	1240	8540
4,8	**15’ 9”**	-	-	-	-	-	-	-	-	-	-	-	-	650	1300	8540
4,7	**15’ 5”**	-	-	-	-	-	-	-	-	-	-	-	-	700	1400	8540
4,6	**15’ 1”**	-	-	-	-	-	-	-	-	-	-	-	-	730	1460	8540
4,5	**14’ 9”**	-	-	-	-	-	-	-	-	-	720	1440	8540	800	1600	8540
4,4	**14’ 5”**	-	-	-	-	-	-	-	-	-	750	1500	8540	870	1740	8540
4,3	**14’ 1”**	-	-	-	-	-	-	-	-	-	810	1620	8540	910	1820	8540
4,2	**13’ 9”**	-	-	-	-	-	-	-	-	-	850	1700	8540	940	1880	8540
4,1	**13’ 5”**	-	-	-	-	-	-	-	-	-	910	1820	8540	1020	2040	8540
4,0	**13’ 1”**	-	-	-	-	-	-	910	1820	8540	980	1960	8540	1100	2200	8540
3,9	**12’ 10”**	-	-	-	-	-	-	980	1960	8540	1050	2100	8540	1190	2380	8540
3,8	**12’ 6”**	-	-	-	-	-	-	1050	2100	8540	1140	2280	8540	1300	2600	8540
3,7	**12’ 2”**	-	-	-	-	-	-	1120	2240	8540	1230	2460	8540	1440	2880	8540
3,6	**11’ 10”**	-	-	-	-	-	-	1210	2420	8540	1330	2660	8540	1600	3200	8540
3,5	**11’ 6”**	-	-	-	-	-	-	1320	2640	8540	1450	2900	8540	1800	3600	8540
3,4	**11’ 2”**	-	-	-	1290	2580	9420	1430	2860	8540	1600	3200	8540	2060	4120	8540
3,3	**10’ 10”**	-	-	-	1410	2820	9420	1560	3120	8540	1760	3520	8540	2410	4820	8540
3,2	**10’ 6”**	-	-	-	1530	3060	9420	1710	3420	8540	1980	3960	8540	2860	5720	8540
3,1	**10’ 2”**	-	-	-	1660	3320	9420	1900	3800	8540	2260	4520	8540	3150	6300	8540
3,0	**9’ 10”**	1570	3140	9420	1820	3640	9420	2120	4240	8540	2630	5260	8540	3260	6520	8540
2,9	**9’ 6”**	1720	3440	9420	2010	4020	9420	2410	4820	8540	3160	6320	8540	-	-	-
2,8	**9’ 2”**	1890	3780	9420	2250	4500	9420	2780	5760	8540	3860	7720	8540	-	-	-
2,7	**8’ 10”**	2080	4160	9420	2530	5060	9420	3280	6560	8540	4150	8300	8540	-	-	-
2,6	**8’ 6”**	2290	4580	9420	2890	5780	9420	4020	8040	8540	4270	8540	8540	-	-	-
2,5	**8’ 2”**	2550	4100	9420	3360	6720	9420	4270	8540	8540	-	-	-	-	-	-
2,4	**7’ 10”**	2870	5740	9420	4010	8020	9420	4270	8540	8540	-	-	-	-	-	-
2,3	**7’ 7”**	3260	6520	9420	4380	8760	9420	-	-	-	-	-	-	-	-	-
2,2	**7’ 3”**	3750	7500	9420	4710	9420	9420	-	-	-	-	-	-	-	-	-
2,1	**6’ 11”**	4280	8560	9420	-	-	-	-	-	-	-	-	-	-	-	-
2,0	**6’ 7”**	4710	9420	9420	-	-	-	-	-	-	-	-	-	-	-	-
1,9	**6’ 3”**	4710	9420	9420	-	-	-	-	-	-	-	-	-	-	-	-
1,8	**5’ 11”**	4710	9420	9420	-	-	-	-	-	-	-	-	-	-	-	-

Dimensional table

N push pull prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Inner tube thickness (in.)	Ø Outer tube (in.)	Outer tube thickness (in.)	Plates	Weight (lbs)
PTS 3000 N	10’	5’ 11”	1.9	0.12	2.4	0.1	Yes	35.2
PTS 3500 N	11’ 4”	7’ 3”	1.9	0.12	2.4	0.1	Yes	40.3
PTS 4000 N	13’ 3”	7’ 10”	1.9	0.12	2.4	0.1	Yes	46.1
PTS 4500 N	14’ 11”	8’ 6”	1.9	0.12	2.4	0.1	Yes	50.3
PTS 5000 N	16’ 7”	9’ 6”	1.9	0.12	2.4	0.1	Yes	55.4

H1

Features of the Type H1 push-pull prop:

» Pulling guaranteed at 8540 lbs. regardless of the use extension;

» Inner pipe diameter 1.9 x 0.12 in.;

» Outer pipe diameter 2.4 x 0.1 in.

Loads table

Extension	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
meters	feet	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)
5,0	**16’ 5”**	-	-	-	-	-	-	-	-	-	-	-	-	580	1160	8540
4,9	**16’ 1”**	-	-	-	-	-	-	-	-	-	-	-	-	620	1240	8540
4,8	**15’ 9”**	-	-	-	-	-	-	-	-	-	-	-	-	650	1300	8540
4,7	**15’ 5”**	-	-	-	-	-	-	-	-	-	-	-	-	700	1400	8540
4,6	**15’ 1”**	-	-	-	-	-	-	-	-	-	-	-	-	730	1460	8540
4,5	**14’ 9”**	-	-	-	-	-	-	-	-	-	720	1440	8540	800	1600	8540
4,4	**14’ 5”**	-	-	-	-	-	-	-	-	-	750	1500	8540	870	1740	8540
4,3	**14’ 1”**	-	-	-	-	-	-	-	-	-	810	1620	8540	910	1820	8540
4,2	**13’ 9”**	-	-	-	-	-	-	-	-	-	850	1700	8540	940	1880	8540
4,1	**13’ 5”**	-	-	-	-	-	-	-	-	-	910	1820	8540	1020	2040	8540
4,0	**13’ 1”**	-	-	-	-	-	-	910	1820	8540	980	1960	8540	1100	2200	8540
3,9	**12’ 10”**	-	-	-	-	-	-	980	1960	8540	1050	2100	8540	1190	2380	8540
3,8	**12’ 6”**	-	-	-	-	-	-	1050	2100	8540	1140	2280	8540	1300	2600	8540
3,7	**12’ 2”**	-	-	-	-	-	-	1120	2240	8540	1230	2460	8540	1440	2880	8540
3,6	**11’ 10”**	-	-	-	-	-	-	1210	2420	8540	1330	2660	8540	1600	3200	8540
3,5	**11’ 6”**	-	-	-	-	-	-	1320	2640	8540	1450	2900	8540	1800	3600	8540
3,4	**11’ 2”**	-	-	-	1290	2580	9420	1430	2860	8540	1600	3200	8540	2060	4120	8540
3,3	**10’ 10”**	-	-	-	1410	2820	9420	1560	3120	8540	1760	3520	8540	2410	4820	8540
3,2	**10’ 6”**	-	-	-	1530	3060	9420	1710	3420	8540	1980	3960	8540	2860	5720	8540
3,1	**10’ 2”**	-	-	-	1660	3320	9420	1900	3800	8540	2260	4520	8540	3150	6300	8540
3,0	**9’ 10”**	1570	3140	9420	1820	3640	9420	2120	4240	8540	2630	5260	8540	3260	6520	8540
2,9	**9’ 6”**	1720	3440	9420	2010	4020	9420	2410	4820	8540	3160	6320	8540	-	-	-
2,8	**9’ 2”**	1890	3780	9420	2250	4500	9420	2780	5760	8540	3860	7720	8540	-	-	-
2,7	**8’ 10”**	2080	4160	9420	2530	5060	9420	3280	6560	8540	4150	8300	8540	-	-	-
2,6	**8’ 6”**	2290	4580	9420	2890	5780	9420	4020	8040	8540	4270	8540	8540	-	-	-
2,5	**8’ 2”**	2550	4100	9420	3360	6720	9420	4270	8540	8540	-	-	-	-	-	-
2,4	**7’ 10”**	2870	5740	9420	4010	8020	9420	4270	8540	8540	-	-	-	-	-	-
2,3	**7’ 7”**	3260	6520	9420	4380	8760	9420	-	-	-	-	-	-	-	-	-
2,2	**7’ 3”**	3750	7500	9420	4710	9420	9420	-	-	-	-	-	-	-	-	-
2,1	**6’ 11”**	4280	8560	9420	-	-	-	-	-	-	-	-	-	-	-	-
2,0	**6’ 7”**	4710	9420	9420	-	-	-	-	-	-	-	-	-	-	-	-
1,9	**6’ 3”**	4710	9420	9420	-	-	-	-	-	-	-	-	-	-	-	-
1,8	**5’ 11”**	4710	9420	9420	-	-	-	-	-	-	-	-	-	-	-	-

Dimensional table

H1 push pull prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Inner tube thickness (in.)	Ø Outer tube (in.)	Outer tube thickness (in.)	Plates	Weight (lbs)
PTS 3000 H1	10’	5’ 11”	1.9	0.12	2.4	0.1	Yes	36.4
PTS 3500 H1	11’ 4”	7’ 3”	1.9	0.12	2.4	0.1	Yes	41.8
PTS 4000 H1	13’ 3”	7’ 10”	1.9	0.12	2.4	0.1	Yes	47.6
PTS 4500 H1	14’ 11”	8’ 6”	1.9	0.12	2.4	0.1	Yes	51.7
PTS 5000 H1	16’ 7”	9’ 6”	1.9	0.12	2.4	0.1	Yes	56.9

H2

Features of the Type H2 push-pull prop:

» Pulling guaranteed at 8540/9420 lbs. regardless of the use extension;

» Inner pipe diameter 2.5 x 0.1 in.;

» Outer pipe diameter 3.0 x 0.1 in.

Loads table

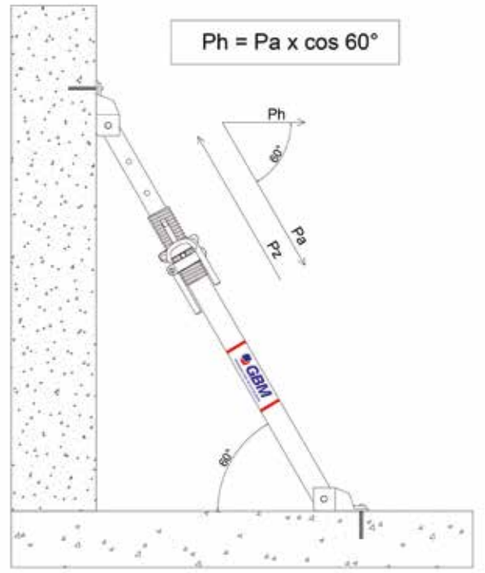
Extension	Extension	PTS 3000 H2			PTS 4000 H2			PTS 5400 H2		
		Compression		Traction	Compression		Traction	Compression		Traction
meters	feet	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)	Ph (lbs.)	Pa (lbs.)	Pz (lbs.)
5,4	**17’ 9”**	-	-	-	-	-	-	910	1820	8540
5,3	**17’ 5”**	-	-	-	-	-	-	980	1960	8540
5,2	**17’ 1”**	-	-	-	-	-	-	1050	2100	8540
5,1	**16’ 9”**	-	-	-	-	-	-	1120	2240	8540
5,0	**16’ 5”**	-	-	-	-	-	-	1210	2420	8540
4,9	**16’ 1”**	-	-	-	-	-	-	1320	2640	8540
4,8	**15’ 9”**	-	-	-	-	-	-	1430	2860	8540
4,7	**15’ 5”**	-	-	-	-	-	-	1560	3120	8540
4,6	**15’ 1”**	-	-	-	-	-	-	1710	3420	8540
4,5	**14’ 9”**	-	-	-	-	-	-	1900	3800	8540
4,4	**14’ 5”**	-	-	-	-	-	-	2120	4240	8540
4,3	**14’ 1”**	-	-	-	-	-	-	2410	4820	8540
4,2	**13’ 9”**	-	-	-	-	-	-	2780	5560	8540
4,1	**13’ 5”**	-	-	-	-	-	-	3280	6560	8540
4,0	**13’ 1”**	-	-	-	1290	2580	9420	4020	8040	8540
3,9	**12’ 10”**	-	-	-	1410	2820	9420	4270	8540	8540
3,8	**12’ 6”**	-	-	-	1530	3060	9420	4270	8540	8540
3,7	**12’ 2”**	-	-	-	1660	3320	9420	-	-	-
3,6	**11’ 10”**	-	-	-	1820	3640	9420	-	-	-
3,5	**11’ 6”**	-	-	-	2010	4020	9420	-	-	-
3,4	**11’ 2”**	-	-	-	2250	4500	9420	-	-	-
3,3	**10’ 10”**	-	-	-	2530	5060	9420	-	-	-
3,2	**10’ 6”**	-	-	-	2890	5780	9420	-	-	-
3,1	**10’ 2”**	-	-	-	3360	6720	9420	-	-	-
3,0	**9’ 10”**	1570	3140	9420	4010	8020	9420	-	-	-
2,9	**9’ 6”**	1720	3440	9420	4380	8760	9420	-	-	-
2,8	**9’ 2”**	1890	3780	9420	4710	9420	9420	-	-	-
2,7	**8’ 10”**	2080	4160	9420	4710	9420	9420	-	-	-
2,6	**8’ 6”**	2290	4580	9420	4710	9420	9420	-	-	-
2,5	**8’ 2”**	2550	4100	9420	4710	9420	9420	-	-	-
2,4	**7’ 10”**	2870	5740	9420	4710	9420	9420	-	-	-
2,3	**7’ 7”**	3260	6520	9420	4710	9420	9420	-	-	-
2,2	**7’ 3”**	3750	7500	9420	-	-	-	-	-	-
2,1	**6’ 11”**	4280	8560	9420	-	-	-	-	-	-
2,0	**6’ 7”**	4710	9420	9420	-	-	-	-	-	-
1,9	**6’ 3”**	4710	9420	9420	-	-	-	-	-	-
1,8	**5’ 11”**	4710	9420	9420	-	-	-	-	-	-

Dimensional table

H2 push pull prop	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Inner tube thickness (in.)	Ø Outer tube (in.)	Outer tube thickness (in.)	Plates	Weight (lbs)
PTS 3000 H2	10’	5’ 9”	2.5	0.10	3.0	0.1	Yes	40.5
PTS 4000 H2	13’ 3”	7’ 7”	2.5	0.10	3.0	0.1	Yes	49.7
PTS 5400 H2	17’ 11”	10’ 2”	2.5	0.10	3.0	0.1	Yes	66.8

Comparative table

	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	Inner tube thickness (in.)	Ø Outer tube (in.)	Outer tube thickness (in.)	Plates	Weight (lbs)
PTS 3000 L1	10’	5’ 9”	1.9	0.07	2.2	0.06	Yes	20.7
PTS 3500 L1	11’ 8”	6’ 9”	1.9	0.07	2.2	0.06	Yes	23.1
PTS 4000 L1	13’ 3”	7’ 9”	1.9	0.07	2.2	0.06	Yes	25.4
PTS 4500 L1	14’ 11”	8’ 4”	1.9	0.07	2.2	0.06	Yes	27.8
PTS 5000 L1	16’ 7”	9’ 4”	1.9	0.07	2.2	0.06	Yes	30.4
PTS 3000 L2	10’	5’ 9”	1.9	0.12	2.2	0.1	Yes	29.5
PTS 3500 L2	11’ 8”	6’ 9”	1.9	0.12	2.2	0.1	Yes	33.3
PTS 4000 L2	13’ 3”	7’ 9”	1.9	0.12	2.2	0.1	Yes	36.6
PTS 4500 L2	14’ 11”	8’ 4”	1.9	0.12	2.2	0.1	Yes	40.3
PTS 5000 L2	16’ 7”	9’ 4”	1.9	0.12	2.2	0.1	Yes	44.5
PTS 3000 N	10’	5’ 11”	1.9	0.12	2.4	0.1	Yes	35.2
PTS 3500 N	11’ 4”	7’ 3”	1.9	0.12	2.4	0.1	Yes	40.3
PTS 4000 N	13’ 3”	7’ 10”	1.9	0.12	2.4	0.1	Yes	46.1
PTS 4500 N	14’ 11”	8’ 6”	1.9	0.12	2.4	0.1	Yes	50.3
PTS 5000 N	16’ 7”	9’ 6”	1.9	0.12	2.4	0.1	Yes	55.4
PTS 3000 H1	10’	5’ 11”	1.9	0.12	2.4	0.1	Yes	36.4
PTS 3500 H1	11’ 4”	7’ 3”	1.9	0.12	2.4	0.1	Yes	41.8
PTS 4000 H1	13’ 3”	7’ 10”	1.9	0.12	2.4	0.1	Yes	47.6
PTS 4500 H1	14’ 11”	8’ 6”	1.9	0.12	2.4	0.1	Yes	51.7
PTS 5000 H1	16’ 7”	9’ 6”	1.9	0.12	2.4	0.1	Yes	56.9
PTS 3000 H2	10’	5’ 9”	2.5	0.10	3.0	0.1	Yes	40.5
PTS 4000 H2	13’ 3”	7’ 7”	2.5	0.10	3.0	0.1	Yes	49.7
PTS 5400 H2	17’ 11”	10’ 2”	2.5	0.10	3.0	0.1	Yes	66.8



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 4’ 9” and 20’ 6”.

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	Extension	ALU 250 (4’ 9” - 8’ 2”)		ALU 350 (6’ 5” - 11’ 6”)		ALU 480 (8’ 6” - 15’ 9”)		ALU 625 (14’ 1” - 20’ 6”)	
		Up	Down	Up	Down	Up	Down	Up	Down
meters	feet	lbs							
6,25	**20’ 6”**	-	-	-	-	-	-	4590	4970
6,20	**20’ 4”**	-	-	-	-	-	-	4700	5130
6,00	**19’ 8”**	-	-	-	-	-	-	5190	5710
5,80	**19’**	-	-	-	-	-	-	5730	6430
5,60	**18’ 4”**	-	-	-	-	-	-	6380	7100
5,40	**17’ 9”**	-	-	-	-	-	-	7170	7760
5,20	**17’ 1”**	-	-	-	-	-	-	8120	8390
5,00	**16’ 5”**	-	-	-	-	-	-	9850	9260
4,80	**15’ 9”**	-	-	-	-	5800	6090	10430	9460
4,70	**15’ 5”**	-	-	-	-	6160	6590	10970	9670
4,50	**14’ 9”**	-	-	-	-	6990	7580	11940	10030
4,30	**14’ 1”**	-	-	-	-	7820	8590	12630	10030
4,10	**13’ 5”**	-	-	-	-	8660	9820	-	-
3,90	**12’ 10”**	-	-	-	-	9510	11290	-	-
3,70	**12’ 2”**	-	-	-	-	10340	13170	-	-
3,50	**11’ 6”**	-	-	9640	10140	11290	14500	-	-
3,30	**10’ 10”**	-	-	11200	12450	12320	15260	-	-
3,10	**10’ 2”**	-	-	11900	14520	14160	15600	-	-
2,90	**9’ 6”**	-	-	12520	16160	16140	15830	-	-
2,70	**8’ 10”**	-	-	13330	17490	18250	15980	-	-
2,50	**8’ 2”**	13490	14300	14480	18770	-	-	-	-
2,30	**7’ 7”**	13740	15850	16250	19470	-	-	-	-
2,10	**6’ 11”**	14340	16770	18660	19650	-	-	-	-
1,95	**6’ 5”**	15060	17130	19850	19650	-	-	-	-
1,90	**6’ 3”**	15420	17130	-	-	-	-	-	-
1,70	**5’ 7”**	16480	17130	-	-	-	-	-	-
1,50	**4’ 11”**	16480	17130	-	-	-	-	-	-
1,40	**4’ 7”**	16480	17130	-	-	-	-	-	-

IMPORTANT: Loads table’s values represent the admissible load values according to UNI EN 16031 standard, with safety factor 2 : 1

Dimensional table

	Extension max. (ft.)	Extension min. (ft.)	Ø Inner tube (in.)	L x L outer tube (in.)	Plates	Safety factor	Weight (lbs)
ALU 250	8’ 2”	4’ 9”	4.3	3.9 x 3.9	Yes	2	33.7
ALU 350	11’ 6”	6’ 4”	4.3	3.9 x 3.9	Yes	2	42.3
ALU 480	15’ 9”	8’ 6”	4.3	3.9 x 3.9	Yes	2	54.2
ALU 625	20’ 6”	14’ 1”	4.3	3.9 x 3.9	Yes	2	68.8

Shoring towers.

The “Shoring tower” (also referred to as “propping tower” ,”shoring tower”or “scaffolding tower”) is a modular structure capable of reaching 39 feet 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 6 1/2 and 39 feet, with intermediate heights every 1.8 foot.

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 3.3 x 3.3 feet, 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 12410 lbs. 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 or without diagonals
ft.	lbs.
8’ 2”	12400
9’ 10”	11980
13’ 1”	11720
16’ 4”	11510
19’ 8”	11310
23’	11170
26’ 3”	11040
29’ 6”	10970
32’ 10”	10900
36’ 1”	10770
39’ 4”	10630

IMPORTANT: Loads table’s values represent the admissible load values according to safety factor 1.65 : 1

Dimensional table

Height (ft.)	Frame	Diagonals	Weight (lbs.)
5’ 9” - 7’ 7”	4	4	206.6
7’ 5” - 9’ 2”	6	6	237.2
9’ - 10’ 10”	8	8	267.7
10’ 8” - 12’ 6”	10	10	298.3
12’ 4” - 14’ 1”	12	12	328.8
13’ 11” - 15’ 9”	14	14	359.4
15’ 7” - 17’ 5”	16	16	390.0
17’ 3” - 19’	18	18	420.5
18’ 10” - 20’ 8”	20	20	451.0
20’ 6” - 22’ 4”	22	22	481.6
22’ 2” - 23’ 11”	24	24	512.2
23’ 9” - 25’ 7”	26	26	542.7
25’ 5” - 27’ 3”	28	28	573.3
27’ 1” - 28’ 10”	30	30	603.8
28’ 8” - 30’ 6”	32	32	634.4
30’ 4” - 32’ 2”	34	34	665.0
32’ - 33’ 10”	36	36	695.5
33’ 8” - 35’ 5”	38	38	726.1
35’ 3” - 37’ 1”	40	40	756.6
36’ 11” - 38’ 9”	42	42	787.2
38’ 7” - 40’ 4”	44	44	817.7

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 ø1.89-3.5 in.
h 2’ 8” ø 4’ 3” weight 18.7 lbs.

CODE **PU16**

Single supporting head for H20 beam
weight 1.7 lbs.

CODE **PU17**

Four-way head for H20 beam
int. dimension 3.4x6.7 in.
weight 5.3 lbs.

CODE **PU18**

Lowering head for H20 beam
int. dimension 3.4+3.4 in.
h 11.8 in.
weight 16.5 lbs.

CODE **PU19**

Lowering head for H20 beam
weight 28.7 lbs.

CODE **PU20**

Pin
length 6.1 in.
ø 0.6 in.

CODE **AC10**

Paint coated container for props
2’ 9” x 3’ 11” h 2’ 11”
weight 55.1 lbs.

CODE **CO01**

Galvanised container for props
2’ 4” x 4’ 3” h 2’ 10”
weight 66.1 lbs

CODE **CO02**

Galvanised sheet container
2’ 7” x 3’ 3” h 2’
Capacity 4410-22050 lbs.
weight 123.4 lbs

CODE **CO06**

Wire mesh container galvanized
2’ 7” x 4’ 3” H 2’ 10”
Capacity 2200-6610 lbs.
weight 110.2 lbs.

CODE **CO07**

Galvanised container for props
2’ 4” x 4’ 11” h 2’ 4”
weight 88.2 lbs.

CODE **CO08**

Galvanised container for props
2’ 4” x 4’ 11” h 2’ 4”
weight 99.2 lbs.

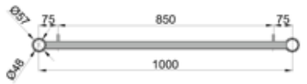
CODE **CO09**

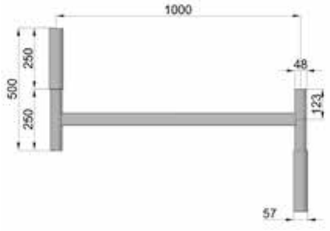
Galvanised container for props
3’ 11” x 2’ 7” h 2’ 7”
weight 77.2 lbs.

CODE **CO10**

Galvanised container for props
5’ 3” x 3’ 3” h 2’ 6”
weight 77.2 lbs.

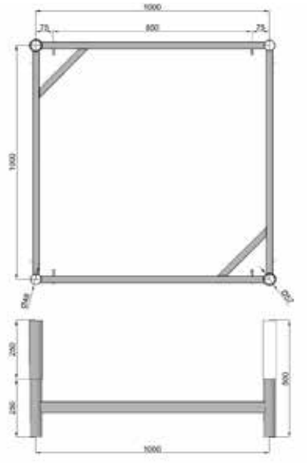
CODE **CO11**





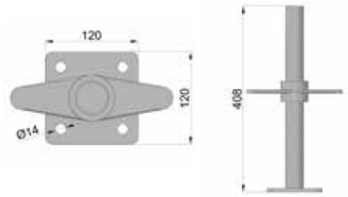
Frame
Weight: 17.0 lbs.
Frames are assembled at alternate sides from the base frame to the top frame

CODE **TEL100**



Base frame and top frame
Weight: 39.7 lbs.
The base frame is assembled as both base and top frame

CODE **BAS100**

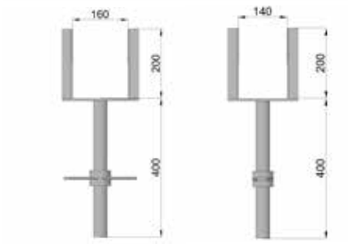


Jack base
Weight: 5.7 lbs.
For adjusting the height of the tower.

CODE **PO04**

Diagonal
Weight: 4.7 lbs.

CODE **DIA100**



Fork head
Weight: 12.1 lbs.
For positioning wooden beams (primary beams)

CODE **PO06**

GBM

SHORING AND SCAFFOLDING

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