SÁEZ formworks

Props

Vertical formwork



v.20260917

SAEZ FORMWORKS, S.L.
B75465989

CTRA. DE BENIAJAN, 10
30570 MURCIA

SURB steel prop

Strength and Safety

The **SURB props** are designed to provide **maximum strength and durability**, guaranteeing a minimum capacity of **44 Kg/mm2** thanks to the quality of the steel used. This allows the use of props that are more **lightweight and strong**, optimizing performance on any type of site.



system features

Benefits of props

LIGHTWEIGHT AND STRONG
Manufactured with high-quality materials. They combine ease of handling with high load capacity.

HIGH-PROTECTION FINISH
The paint **epoxy electrolytic** guarantees greater corrosion resistance and long service life.

RELIABILITY AND EXPERIENCE
The props provide a solution **efficient, safe and adaptable** for any type of construction project, meeting the sector's most demanding standards.



load table

LIGHTWEIGHT AND HIGH CAPACITY
Four FR-type steel prop models are manufactured, classified according to maximum extension and load capacity.
These props provide a robust, safe and versatile solution for any construction project, meeting the highest quality and safety standards.

Model	SURB-300	SURB–3/4	SURB-400	SURB-500
Tube	Ø 48 x 40 1,8 x 1,8	Ø 48 x 40 2,0 x 2,5	Ø 48 x 40 2,0 x 2,0	Ø 60 x 52 2,0 x 2,0
Extension	1,65-3,00 m	2,45-3,88 m	2,14-4,00 m	2,45-3,88 m
Weight	7,9 Kg	13,9 Kg	10,7 Kg	13,9 Kg
Length [m]	Allowable load [kN]			
5,00				5,5
4,50				10,0
4,00			5,5	
3,88		7,0		
3,68		8,0		
3,50		9,0		17,5
3,30		10,0		
3,10			11,5	
3,00	6,75	11,5		
2,30	14,0			
2,14			16,0	
1,65	16,0			

SFR model steel prop

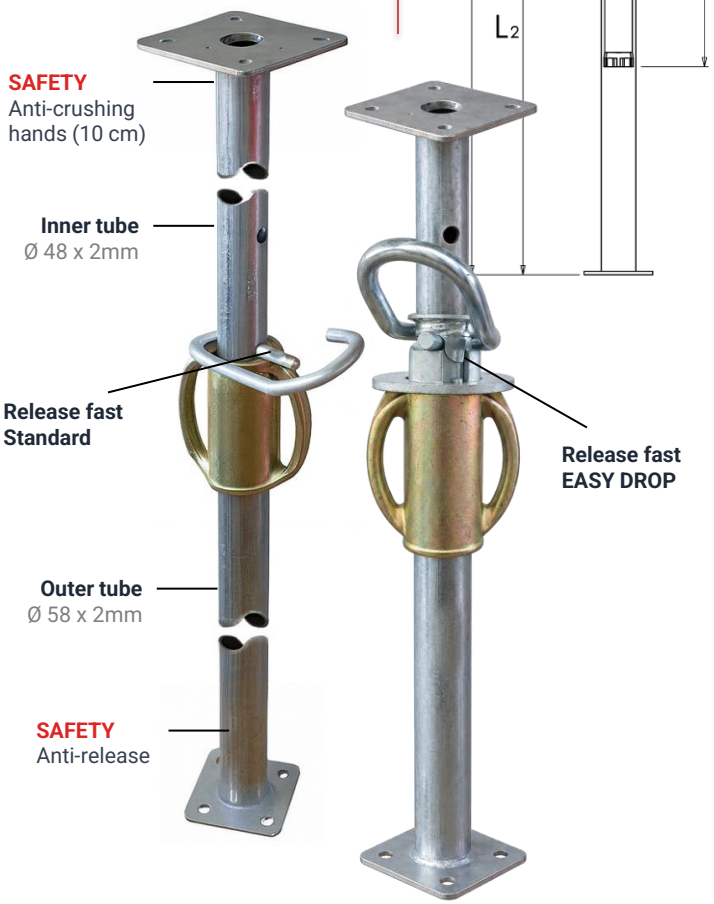
Strength and Versatility. The ideal combination

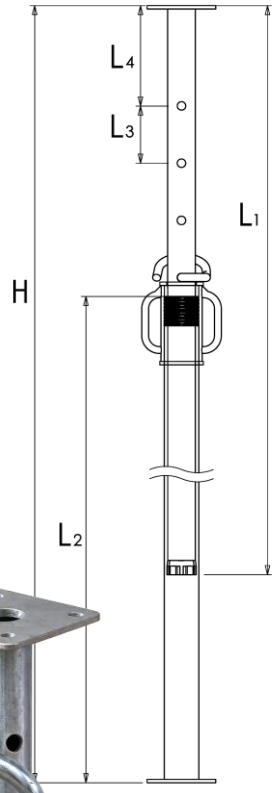
The **SFR props** made of steel are strong and economical, adapting to any shoring task. Surface finish in **hot-dip galvanized**. These props can reach extensions ranging from 185 to 400 cm. They are also compatible with most accessories from other formwork systems.

system features

Precision and safety

TUBE
Inner tube perforated with holes (high precision and burr-free) every 100 mm to allow prop adjustment.
THREAD
Wide-pitch thread and forged-steel handle. Release system to facilitate stripping.
SAFETY
Safety stop that prevents accidental release of the inner tube. Anti-crushing system that guarantees 10 cm free clearance when closing, to protect hands.





load table

LIGHTWEIGHT AND HIGH CAPACITY
Three steel prop models are manufactured, classified according to maximum extension.

	Allowable load			
Model	**SFR-320**	**SFR-365**	**SFR-385**	**SFR-400**
Code Standard	**700040-E1E-355**	**700040-E1E-105**	**700040-E1E-363**	**700040-E1E-106**
Code Easy Drop	**700040-E1E-366**		**700040-E1E-368**	**700040-E1E-369**
Extension	**Allowable load [kN]**			
4,00 m				8,9
3,85 m			12,6	
3,65 m		14,0		
3,50 m			16,3	16,6
3,20 m	19,0	19,8		
3,00 m			22,1	21,5
2,85 m	23,5	24,5		
2,50 m			24,8	
2,40 m	24,8			24,8
2,15 m		24,8		
1,97 m	24,8			
	Properties			
Weight (Kg)	11,1	12,1	12,7	13,1
H (m)	1,97 -3,20	2,15-3,65	2,50-3,85	2,40-4,00
L1 (m)	1,915	2,115	2,410	2,315
L2 (m)	1,625	1,775	1,675	1,915
L3 (m)	0,1	0,1	0,1	0,1
L4 (m)	0,173	0,173	0,173	0,173
Ød (mm)	48 x 2	48 x 2	48 x 2	48 x 2
ØD (mm)	57 x 2	57 x 2	57 x 2	57 x 2
Base (mm)	120 x 4	120 x 4	120 x 4	120 x 4

SZ model steel prop

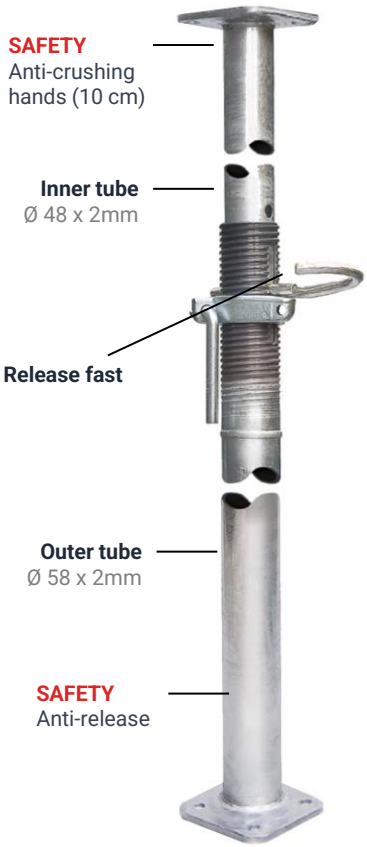
Strength and Versatility. The ideal combination

The **SZ props** made of steel are strong and economical, adapting to any shoring task. Surface finish in **hot-dip galvanized**. These props can reach extensions ranging from 180 to 400 cm. They are also compatible with most accessories from other formwork systems.

system features

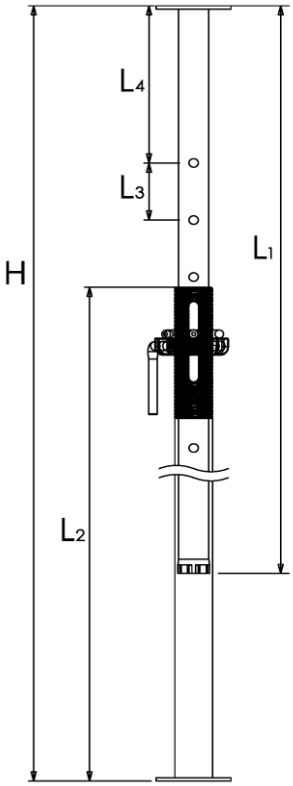
Precision and safety

TUBE
Inner tube perforated with holes (high precision and burr-free) every 100 mm to allow prop adjustment.
THREAD
Rolled external thread, with generous length and self-cleaning nut. Release system to facilitate stripping.
SAFETY
Safety stop that prevents accidental release of the inner tube. Anti-crushing system that guarantees 10 cm free clearance when closing, to protect hands.



load table

LIGHTWEIGHT AND HIGH CAPACITY
Three steel prop models are manufactured, classified according to maximum extension.



	Allowable load		
Model	**SZ-300**	**SZ-360**	**SZ-400**
Extension	**Allowable load [kN]**		
4,00 m			8,3
3,65 m			16,2
3,60 m		12,1	
3,20 m		21,0	
3,00 m	22,5		22,8
2,85 m	24,0	24,0	
2,40 m	24,0		
2,25 m			24,0
2,10 m		24,0	
1,90 m	24,0		

	Properties		
Model	**SZ-300**	**SZ-360**	**SZ-400**
Weight (Kg)	10,3	11,5	12,4
H (m)	1,90 -3,00	2,10-3,60	2,25-4,00
L1 (m)	1,850	2,050	2,200
L2 (m)	1,660	1,860	2,060
L3 (m)	0,1	0,1	0,1
L4 (m)	0,173	0,173	0,173
Ød (mm)	48 x 2	48 x 2	48 x 2
ØD (mm)	60 x 1,8	60 x 1,8	60 x 1,8
Base (mm)	120 x 4	120 x 4	120 x 4

DIN EN 1065 steel props

Robustness and Reliability. The perfect solution

The **DIN EN 1065 props** are props of **high strength**, designed to support heavy loads of more than 30 kN, fully complying with European standard UNI EN 1065:1999. This standard establishes **the most demanding requirements** worldwide regarding materials, design requirements and corrosion protection measures.

Finish: machined or milled inner holes without burrs, hot-dip galvanized with guaranteed minimum thickness of **≥50 µm**

Anti-shear: the inner tube is ≥10 cm longer than the outer tube to prevent injuries.

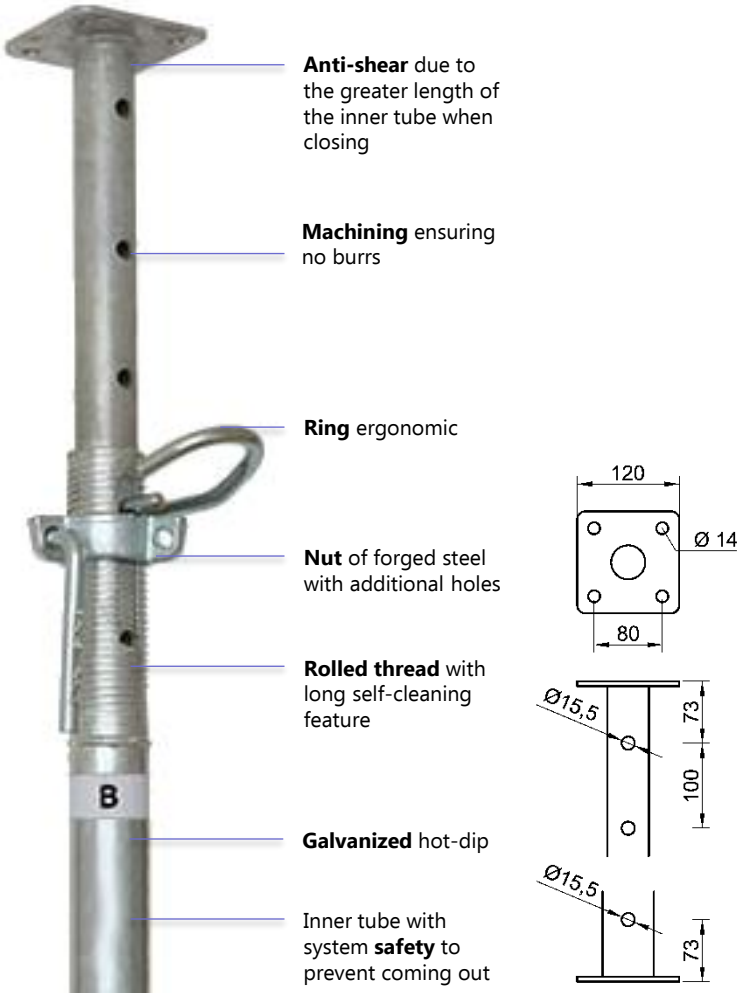
Anti-slip: system that prevents inadvertent slipping of the inner tube during positioning and transport.

Thread: rolled external thread (without material removal), long for greater fine-adjustment travel and nut self-cleaning

Nut: forged-steel ring with 2 holes; allows millimetric adjustments.

DIN EN 1065 SB steel props

CLASS B
In 3 different models: SB-30, SB-35, SB-40.
Characterized by medium-high load capacity, they offer good value for money, making them ideal for medium-sized projects.



load table

Model	SB - 30	SB - 35	SB - 40
Tube	Ø 48,3 x 60,3	Ø 48,3 x 60,3	Ø 48,3 x 60,3
Extension	1,82-3,00 m	2,07-3,50 m	2,34-4,00 m
Weight	14,5 Kg	15,8 Kg	17,9 Kg
Length [m]	Allowable load [kN]		
4,00			11,6
3,90			12,6
3,80			13,1
3,70			13,9
3,60			14,8
3,50		15,8	15,5
3,40		17,0	16,2
3,30		18,1	17,1
3,20		18,3	18,3
3,10		20,2	19,4
3,00	21,1	20,8	20,1
2,90	23,1	21,0	21,3
2,80	24,8	21,1	22,8
2,70	27,0	21,4	25,9
2,60	28,9	22,0	30,0
2,50	30,6	23,3	30,0
2,40	32,1	25,1	30,0
2,30	34,0	28,8	30,0
2,20	36,8	30,0	
2,10	39,0	30,0	
2,00	39,0	30,0	
1,90	39,0		
1,80	39,0		

DIN EN 1065 SD steel props

CLASS D
4 models: SD30, SD35, SD40, SD55
2 economical models: SD30-ECO, SD35-ECO
Their very high load capacity at considerable heights makes them unbeatable when used with formwork.



Anti-shear due to the greater length of the inner tube when closing

Machining ensuring no burrs

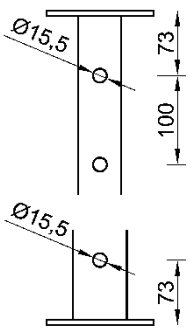
Ring ergonomic

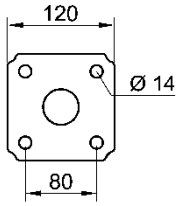
Nut of forged steel with additional holes

Rolled thread with long self-cleaning feature

Galvanized hot-dip

Inner tube with system **safety** to prevent coming out





load table

Model	SD30-ECO	SD35-ECO	SD30	SD35	SD40	SD55
Tube	Ø 48,3 x 60,3	Ø 48,3 x 60,3	Ø 63,5 x 76,1	Ø 63,5 x 76,1	Ø 63,5 x 76,1	Ø 76,5 x 88,9
Extension	1,82-3,00 m	2,10-3,50 m	1,73-3,00 m	1,98-3,50 m	2,25-4,00 m	3,03-5,50 m
Weight	15,9 Kg	17,6 Kg	17,8 Kg	19,7 Kg	22,1 Kg	35,0 Kg
Length [m]	Allowable load [kN]					
5,50						21,8
5,40						22,9
5,30						23,9
5,20						25,1
5,10						26,6
5,00						27,5
4,90						29,3
4,80						30,6
4,70						32,6
4,60						33,7
4,50						35,6
4,40						37,6
4,30						39,0
4,20						39,0
4,10						39,0
4,00					21,8	39,0
3,90					22,6	39,0
3,80					24,5	39,0
3,70					26,5	39,0
3,60					27,7	39,0
3,50		20,6		23,9	29,6	39,0
3,40		20,9		26,0	31,9	39,0
3,30		21,3		28,1	33,8	39,0
3,20		21,7		30,3	35,2	39,0
3,10		22,2		32,1	36,4	39,0
3,00	21,1	22,7	29,3	33,3	38,3	
2,90	23,1	23,3	30,7	34,2	39,0	
2,80	24,8	24,0	31,6	34,8	39,0	
2,70	27,0	24,6	32,2	35,4	39,0	
2,60	28,9	25,3	32,9	36,9	39,0	
2,50	30,6	26,0	33,6	38,7	39,0	
2,40	32,1	26,7	34,6	39,0	39,0	
2,30	34,0	27,5	35,7	39,0	39,0	
2,20	36,8	28,5	37,2	39,0		
2,10	39,0	30,0	38,8	39,0		
2,00	39,0		39,0	39,0		
1,90	39,0		39,0			
1,80	39,0		39,0			

DIN EN 1065 SE steel props



Anti-shear due to the greater length of the inner tube when closing

Machining ensuring no burrs

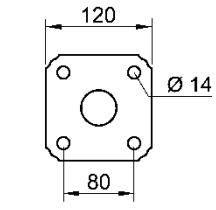
Ring ergonomic

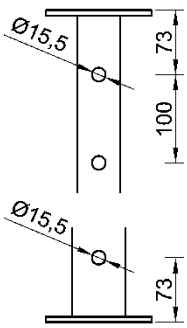
Nut of forged steel with additional holes

Rolled thread with long self-cleaning feature

Galvanized hot-dip

Inner tube with system **safety** to prevent coming out





load table

CLASS E
In 3 different models: SE30, SE35, SE40
They are the heaviest props in the EN1065 standard, with a load capacity of 30 kN at any height.

Model	SE - 30	SE - 35	SE - 40
Tube	Ø 63,5 x 76,1	Ø 63,5 x 76,1	Ø 76,1 x 88,9
Extension	1,73-3,00 m	1,98-3,50 m	2,25-4,00 m
Weight	17,5 Kg	23,8 Kg	26,0 Kg
Length [m]	**Allowable load [kN]**		
4,00			33,2
3,90			36,8
3,80			39,0
3,70			41,0
3,60			41,0
3,50		32,0	41,0
3,40		35,3	41,0
3,30		37,7	41,0
3,20		40,0	41,0
3,10		41,0	41,0
3,00	32,4	41,0	41,0
2,90	35,8	41,0	41,0
2,80	36,4	41,0	41,0
2,70	37,3	41,0	41,0
2,60	38,8	41,0	41,0
2,50	39,7	41,0	41,0
2,40	40,0	41,0	41,0
2,30	41,0	41,0	41,0
2,20	41,0	41,0	
2,10	41,0	41,0	
2,00	41,0	41,0	
1,90	41,0		
1,80	41,0		

SMP aluminium prop

Efficiency and safety. The best combination

The **aluminium props** for high loads provide an efficient and safe solution for shoring in construction. Manufactured in aluminium, these props are significantly lighter than their steel equivalents, allowing easier handling and assembly. They can support up to 70 kN when closed, almost twice as much as most standard props on the market.



system features

Adaptability



VERSATILITY
With extensions ranging from 80 cm to 625 cm, these props are ideal for covering 90% of standard building construction operations.

SPEED
The integrated measuring tape ensures fast and safe operations. Equipped with quick-adjustment pins and no loose components, facilitating efficient assembly and dismantling.

DURABLE
Thread self-cleaning that ensures long product service life. The outer tubes of the props are powder-coated, making the surfaces resistant to concrete adhesion

Robustness



LIGHTWEIGHT AND HIGH CAPACITY
Aluminium props are lighter than steel props and support higher loads, making them ideal for formwork and slab systems.

COMPATIBILITY
They are compatible with most accessories from other formwork systems, ensuring smooth integration into existing projects.

EFFICIENCY
The high load capacity reduces the need for additional props, lowering material and labour costs. Aluminium does not require galvanizing, minimizing pollution. It also has a recyclable value more than 40% higher compared with steel.

SMP aluminium prop

built-in measuring tape

The **integrated measuring tape** allows precise adjustment, eliminating the need for numerous handling operations and laborious measurements.



thread self-cleaning

The thread of the prop is **self-cleaning**, ensuring continuous operation without obstruction. Even in the presence of concrete residue, the quick-adjustment nut remains operational and slides without difficulty.



safety

The **safety crank** prevents the inner tube from sliding and must be correctly secured to ensure proper transport.



versatility

The **bracing frame** can be fixed to both the outer and inner tube. The fixing mechanism enables fast assembly using only a hammer.

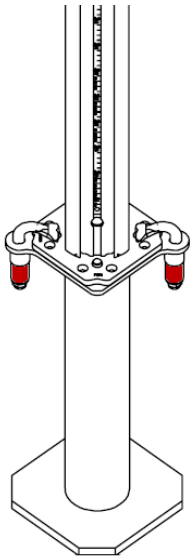


SMP aluminium prop

SMP base

The **SMP 50 base** increases the height of any SMP aluminium prop by 50 cm.
Coupling with the prop is fast and simple with only a few hammer blows.





Load towers

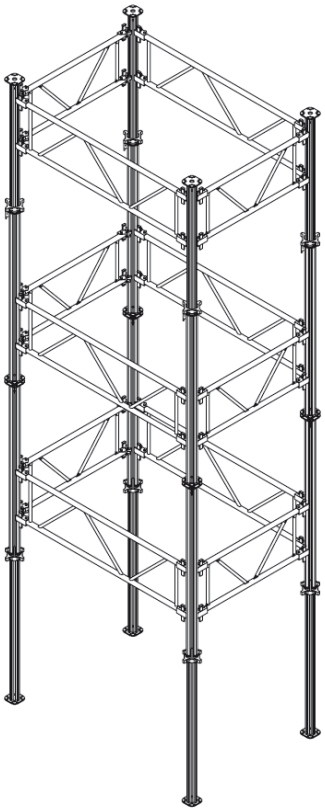
The **SMP aluminium props**, in combination with the **bracing frames**, can be used as **load towers**. These towers can support higher loads (**up to 90 kN**) than steel towers, while maintaining a very low self-weight.

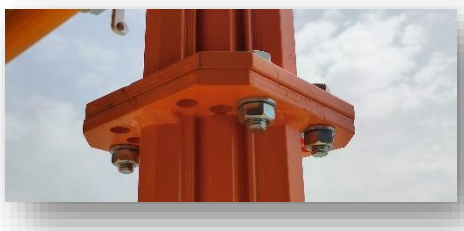
Thanks to a range of different frame sizes, square and rectangular shoring towers can be optimally adapted to site conditions.

The frames also serve as lateral protection for lower working levels.

The height connection between props can be made with M12x40 bolts.

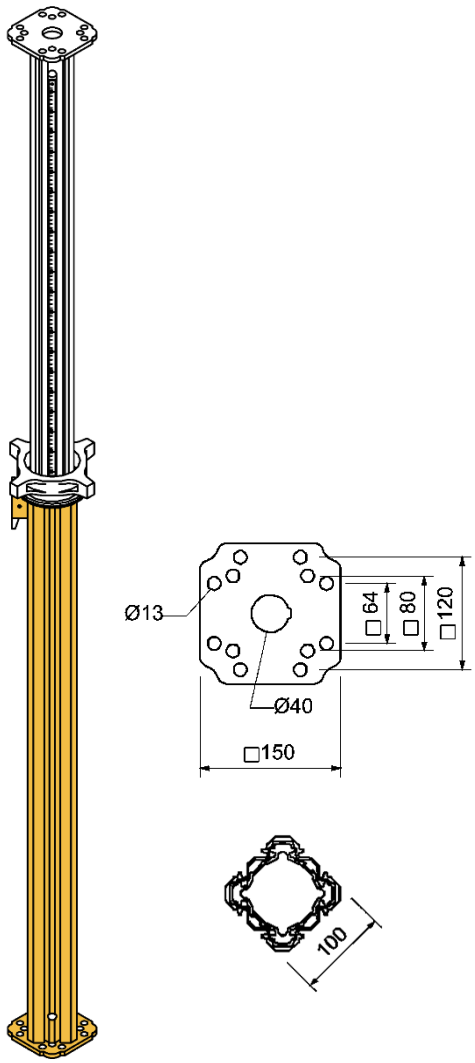






Allowable Loads - SMP Aluminium Prop

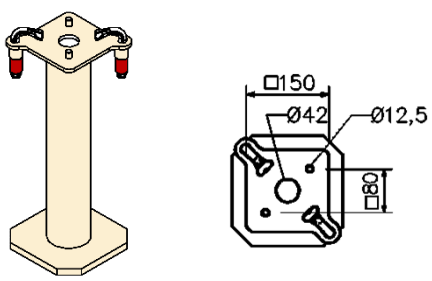
SMP 120 – 250 - 350 - 480 - 625



Length [cm]	Allowable loads [kN]				
	SMP 120 0,80 - 1,20 m 11,5 Kg	**SMP 250** 1,45 - 2,50 m 16,9 Kg	**SMP 350** 1,95 - 3,50 m 21,1 Kg	**SMP 480** 2,60-4,80 m 26,8 Kg	**SMP 625** 4,30 - 6,25 m 32,6 Kg
625					20,4
600					23,1
580					25,5
560					28,4
540					31,9
520					36,1
500					41,2
480				25,6	42,1
470				27,4	43,0
450				31,1	44,6
430				34,8	44,6
410				38,5	
390				42,3	
370				46,0	
350			42,9	50,2	
330			49,8	54,8	
310			52,9	63,0	
290			55,7	70,4	
270			59,3	71,1	
250		60,0	64,4		
230		61,1	72,3		
210		63,8	83,0		
195		67,0	87,4		
190		68,6			
170		73,3			
150		73,3			
145		73,3			
130					
120	65,0				
100	65,0				
80	65,0				

SMP 50

SMP 50



Length [cm]	Allowable loads [kN]				
	SMP 120 + SMP 50 1,30 - 1,70 m 20,4 Kg	**SMP 250 + SMP 50** 1,95 - 3,00 m 25,8 Kg	**SMP 350 + SMP 50** 2,45 - 4,00 m 30,0 Kg	**SMP 480 + SMP 50** 3,10-5,30 m 35,7 Kg	**SMP 625 + SMP 50** 4,80 - 6,75 m 41,5 Kg
675					18,7
530				22,5	29,4
400			33,4	33,9	
300		49,2	41,2		
170	57,0	60,1			

SÁEZ formworks

CODE	Reference	Weight
700040-E1E-033	PROP SB30 20 KN HDP	14,50 Kg
700040-E1E-034	PROP SB35 15 KN HDP	15,80 Kg
700040-E1E-035	PROP SB40 12 KN HDP	17,90 Kg
700040-E1E-036	PROP SD30 30 KN HDP	17,80 Kg
700040-E1E-037	PROP SD35 24 KN HDP	19,70 Kg
700040-E1E-038	PROP SD40 20 KN HDP	22,00 Kg
700040-E1E-039	PROP SD55 20 KN HDP	35,00 Kg
700040-E1E-040	PROP SE30 32 KN HDP	17,50 Kg
700040-E1E-041	PROP SE35 32 KN HDP	23,80 Kg
700040-E1E-042	PROP SE40 33 KN HDP	26,00 Kg
700040-E1E-110	PROP SD30 ECO 20KN HDP	15,90 Kg
700040-E1E-111	PROP SD35 ECO 20KN HDP	17,60 Kg
700040-E1E-355	PROP SFR-320 19 KN HDP	11,30 Kg
700040-E1E-105	PROP SFR-365 14 KN HDP	12,10 Kg
700040-E1E-363	PROP SFR-385 12 KN HDP	12,70 Kg
700040-E1E-106	PROP SFR-400 9 KN HDP	13,10 Kg
700040-E1E-366	PROP SFR-320 19 KN EASY-DROP HDP	11,90 Kg
700040-E1E-368	PROP SFR-385 12 KN EASY-DROP HDP	13,30 Kg
700040-E1E-369	PROP SFR-400 9 KN EASY-DROP HDP	13,70 Kg
700040-E1E-356	PROP SZ-300 22 KN HDP	10,30 Kg
700040-E1E-357	PROP SZ-360 12 KN HDP	11,50 Kg
700040-E1E-358	PROP SZ-400 8 KN HDP	12,40 Kg
700040-E1E-362	UTIL TRANSPORTE HDP ZH SFR320 43 KG	43,00 Kg
700040-E1E-364	UTIL TRANSPORTE HDP ZH SFR385 54 KG	54,00 Kg
700040-E1E-365	UTIL TRANSPORTE HDP RAN SFR320/385 20 KG	40,00 Kg
700040-E1E-045	PROP ALUMINIO SMP120 800-1200 MM	11,50 Kg
700040-E1E-046	PROP ALUMINIO SMP250 1450-2500 MM	16,90 Kg
700040-E1E-047	PROP ALUMINIO SMP350 1950-3500 MM	21,10 Kg
700040-E1E-048	PROP ALUMINIO SMP480 2600-4800 MM	26,80 Kg
700040-E1E-049	PROP ALUMINIO SMP625 4300-6250 MM	32,60 Kg
700040-E1E-050	BASE SMP50	8,90 Kg
700040-E1E-043	MARCO ARRIOSTRAMIENTO 1800 PROP ALU	12,50 Kg
700040-E1E-044	MARCO ARRIOSTRAMIENTO 900 PROP ALU	8,80 Kg
600017-ME-02331	PROP SURB300 7KN (1,8/1,8 MM) PINTADO	7,90 Kg
600017-ME-00326	PROP 3/4 SURB390 7KN (2,5 MM) PINTADO	13,90 Kg
600017-ME-00729	PROP SURB400 5,5KN (2,0/2,0 MM) PINTADO	10,70 Kg
600017-ME-00492	PROP SURB500 5,5KN (2,0 MM) PINTADO	17,50 Kg

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