

Props

Vertical formwork



v.20260203

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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

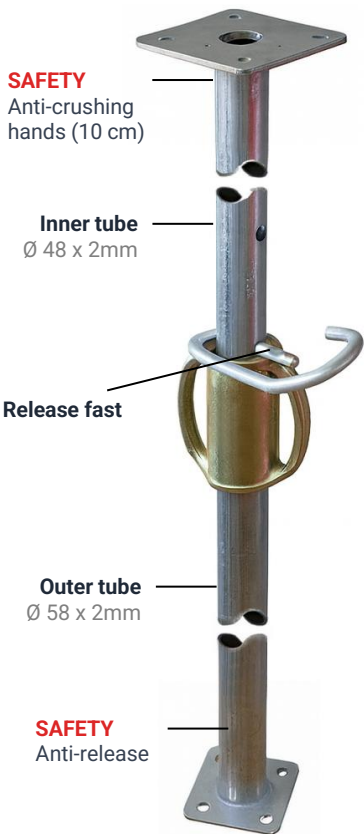
Inner tube perforated with holes (high precision and burr-free) every 100 mm to allow prop adjustment.

THREAD

Wide-pitch thread and forged-steel handle. Release system to facilitate stripping.

SAFETY

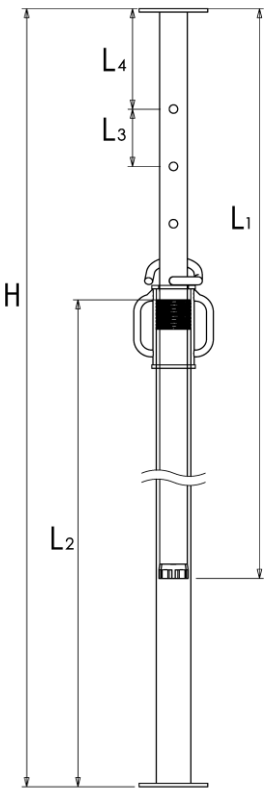
Safety stop that prevents accidental release of the inner tube. Anti-crushing system that guarantees 10 cm free clearance when closing, to protect hands.



load table

LIGHTWEIGHT AND HIGH CAPACITY

Three steel prop models are manufactured, classified according to maximum extension.



Model	Allowable load			
	SFR-320	SFR-365	SFR-385	SFR-400
Extension	Allowable load [kN]			
4,00 m				11,0
3,85 m			11,1	12,1
3,65 m		11,5	11,4	13,9
3,40 m		13,2		
3,30 m				16,8
3,20 m	12,4	14,8	12,3	
3,10 m	13,2			
3,00 m	14,3	16,1	14,2	20,7
2,80 m	16,9	18,7		
2,45 m	20,5	23,6	20,5	
2,35 m				23,4
2,15 m	22,9	23,4		
1,85 m	22,9			

Model	Properties			
	SFR-320	SFR-365	SFR-385	SFR-400
Weight (kg)	11,1	12,1	12,7	13,1
H (m)	1,85 -3,20	2,15-3,65	2,45-3,85	2,35-4,00
L1 (m)	1,815	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

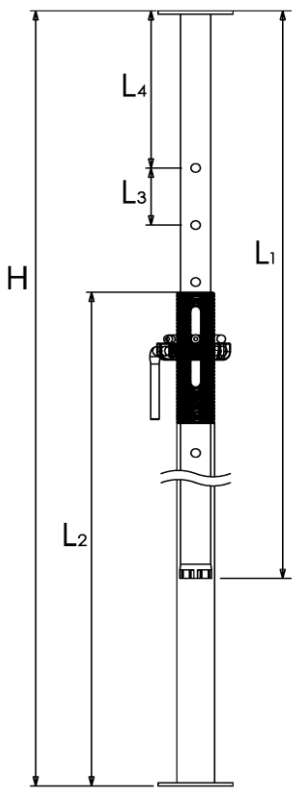
Safety stop that prevents accidental release of the inner tube. Anti-crushing system that guarantees 10 cm free clearance when closing, to protect hands.



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			11,7
3,80 m			13,1
3,60 m		11,8	14,8
3,50 m		12,2	
3,40 m		13,2	16,4
3,20 m		14,7	
3,00 m	14,1		18,4
2,90 m	14,4	17,6	
2,80 m	14,9	18,4	
2,70 m	15,9		21,9
2,50 m	19,1	20,3	
2,30 m	22,2		
2,25 m			21,9
2,10 m		20,3	
2,00 m			
1,80 m	22,2		

Properties			
Model	SZ-300	SZ-360	SZ-400
Weight (kg)	10,3	11,5	12,4
H (m)	1,80 -3,00	2,10-3,60	2,25-4,00
L1 (m)	1,750	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

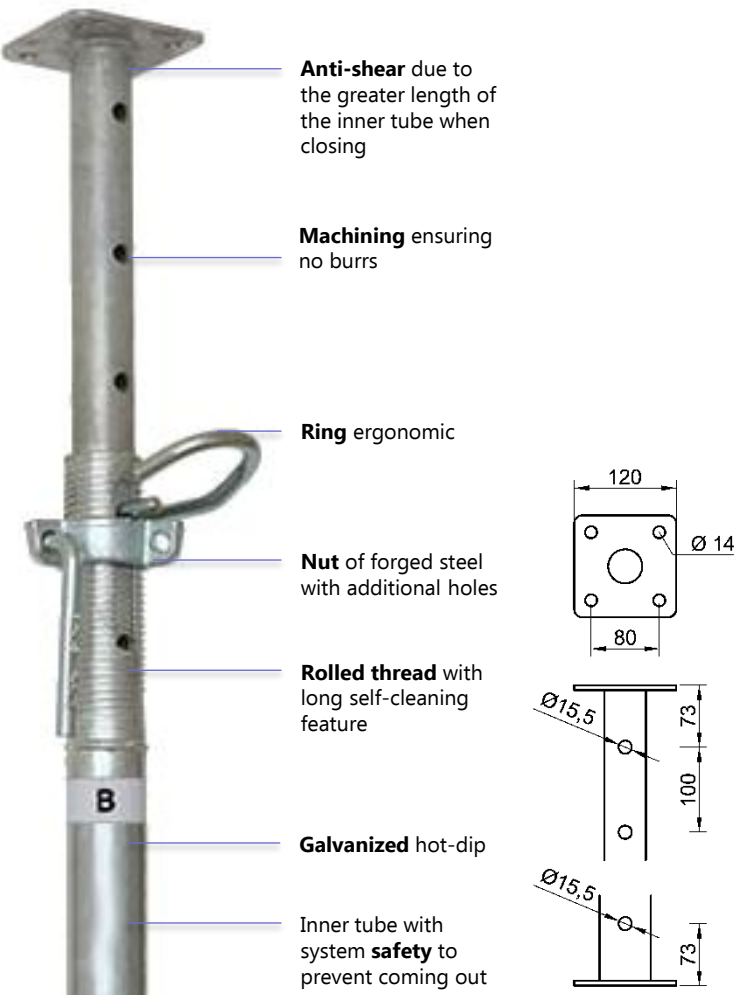
Nut: forged-steel ring with 2 holes; allows millimetric adjustments.

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



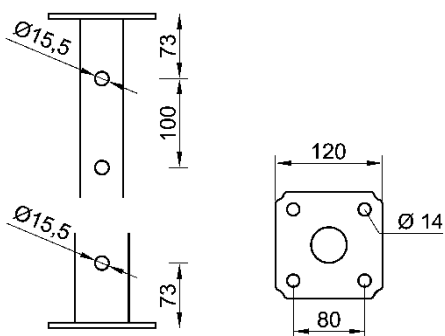
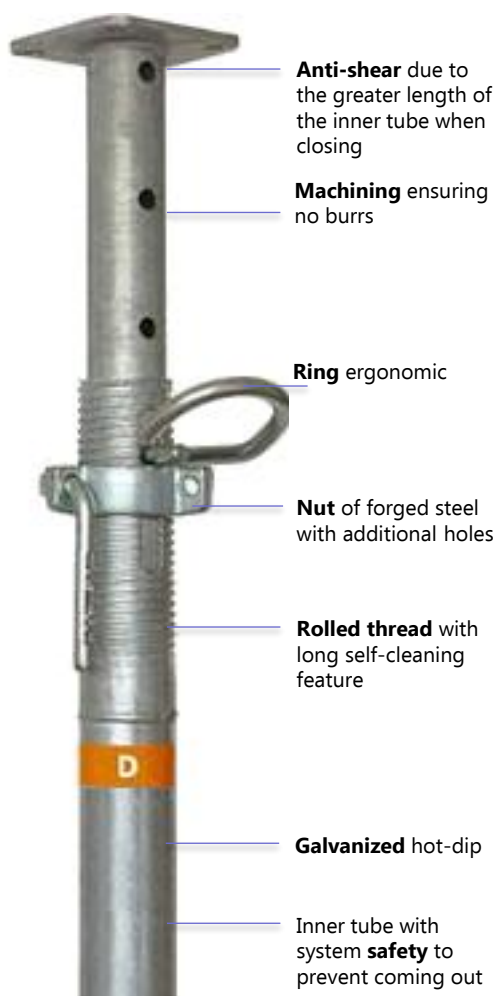
Model	SB - 30	SB - 35	SB - 40
Tube	Ø 48,3 x 60,3	Ø 48,3 x 60,3	Ø 48,3 x 60,3
Extension	1,82-3,00 m	2,07-3,50 m	2,34-4,00 m
Weight	14,5 Kg	15,8 Kg	17,9 Kg
Length [m]	Allowable load [kN]		
4,00			11,6
3,90			12,6
3,80			13,1
3,70			13,9
3,60			14,8
3,50		15,8	15,5
3,40		17,0	16,2
3,30		18,1	17,1
3,20	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

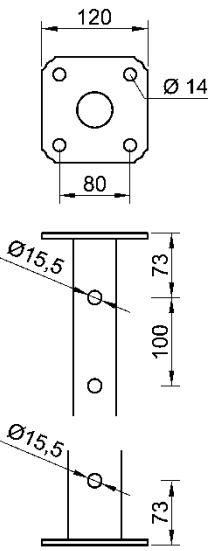
Their very high load capacity at considerable heights makes them unbeatable when used with formwork.



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



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.



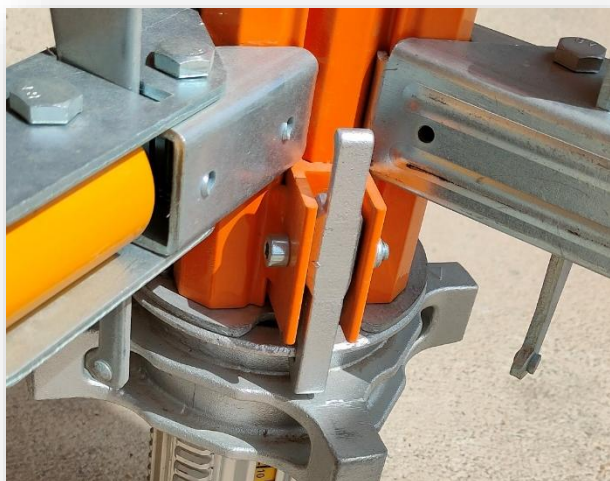
thread self-cleaning

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.



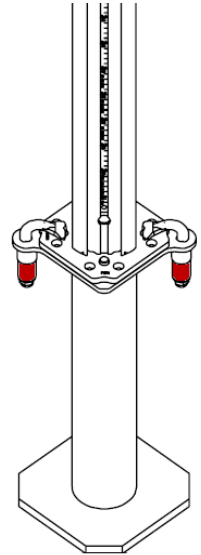
PROPS

Aluminium Props system system description

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.



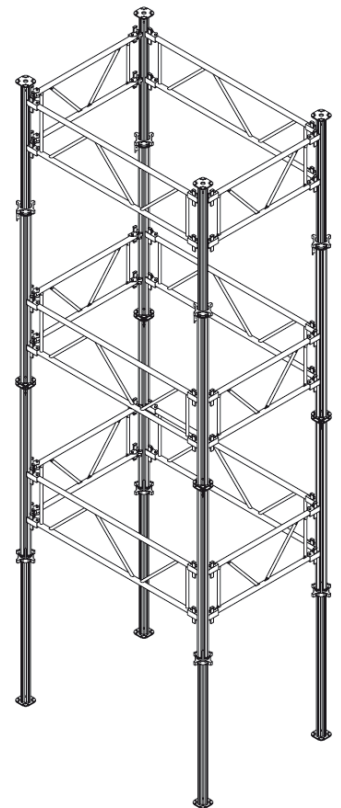
Load towers

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.

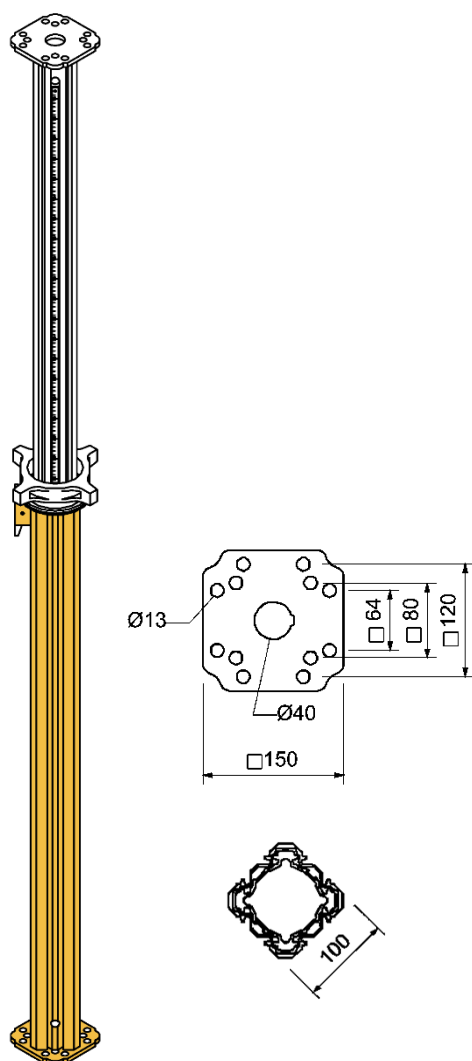
The frames also serve as lateral protection for lower working levels.

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



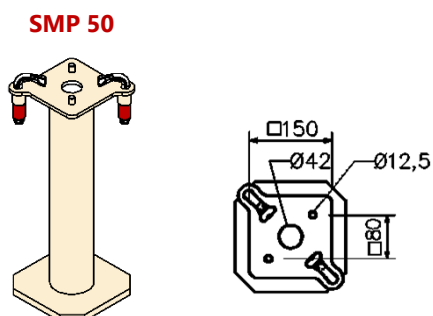
Allowable Loads - SMP Aluminium Prop

SMP 120 - 250 - 350 - 480 - 625



Length [cm]	Allowable loads [kN]				
	SMP 120	SMP 250	SMP 350	SMP 480	SMP 625
	0,80 - 1,20 m 11,5 Kg	1,45 - 2,50 m 16,9 Kg	1,95 - 3,50 m 21,1 Kg	2,60-4,80 m 26,8 Kg	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



Length [cm]	Allowable loads [kN]				
	SMP 120 + SMP 50	SMP 250 + SMP 50	SMP 350 + SMP 50	SMP 480 + SMP 50	SMP 625 + SMP 50
	1,30 - 1,70 m 20,4 Kg	1,95 - 3,00 m 25,8 Kg	2,45 - 4,00 m 30,0 Kg	3,10-5,30 m 35,7 Kg	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			

Code	Designation	Weight
700040-E1E-033	SB30 PROP 20 kN GALVANIZED	14,50 Kg
700040-E1E-034	SB35 PROP 15 kN GALVANIZED	15,80 Kg
700040-E1E-035	SB40 PROP 12 kN GALVANIZED	17,90 Kg
700040-E1E-036	SD30 PROP 30 kN GALVANIZED	17,80 Kg
700040-E1E-037	SD35 PROP 24 kN GALVANIZED	19,70 Kg
700040-E1E-038	SD40 PROP 20 kN GALVANIZED	22,00 Kg
700040-E1E-039	SD55 PROP 20 kN GALVANIZED	35,00 Kg
700040-E1E-040	SE30 PROP 32 kN GALVANIZED	17,50 Kg
700040-E1E-041	SE35 PROP 32 kN GALVANIZED	23,80 Kg
700040-E1E-042	SE40 PROP 33 kN GALVANIZED	26,00 Kg
700040-E1E-110	SD30 ECO PROP 20 kN GALVANIZED	15,90 Kg
700040-E1E-111	SD35 ECO PROP 20 kN GALVANIZED	17,60 Kg
700040-E1E-355	SFR-320 PROP 12 kN GALVANIZED	11,10 Kg
700040-E1E-105	SFR-365 PROP 11 kN GALVANIZED	12,10 Kg
700040-E1E-106	SFR-400 PROP 11 kN GALVANIZED	13,10 Kg
700040-E1E-356	SZ-300 PROP 14 kN GALVANIZED	10,30 Kg
700040-E1E-357	SZ-360 PROP 11 kN GALVANIZED	11,50 Kg
700040-E1E-358	SZ-400 PROP 11 kN GALVANIZED	12,40 Kg
700040-E1E-045	SMP120 ALUMINIUM PROP 800-1200 MM	11,50 Kg
700040-E1E-046	SMP250 ALUMINIUM PROP 1450-2500 MM	16,90 Kg
700040-E1E-047	SMP350 ALUMINIUM PROP 1950-3500 MM	21,10 Kg
700040-E1E-048	SMP480 ALUMINIUM PROP 2600-4800 MM	26,80 Kg
700040-E1E-049	SMP625 ALUMINIUM PROP 4300-6250 MM	32,60 Kg
700040-E1E-050	SMP50 BASE	8,90 Kg
700040-E1E-043	1800 BRACING FRAME ALU PROP	12,50 Kg
700040-E1E-044	900 BRACING FRAME ALU PROP	8,80 Kg
600017-ME-02331	SURB300 PROP 7 kN (1.8/1.8 MM) PAINTED	7,90 Kg
600017-ME-00326	3/4 SURB390 PROP 7 kN (2.5 MM) PAINTED	13,90 Kg
600017-ME-00729	SURB400 PROP 5.5 kN (2.0/2.0 MM) PAINTED	10,70 Kg
600017-ME-00492	SURB500 PROP 5.5 kN (2.0 MM) PAINTED	17,50 Kg