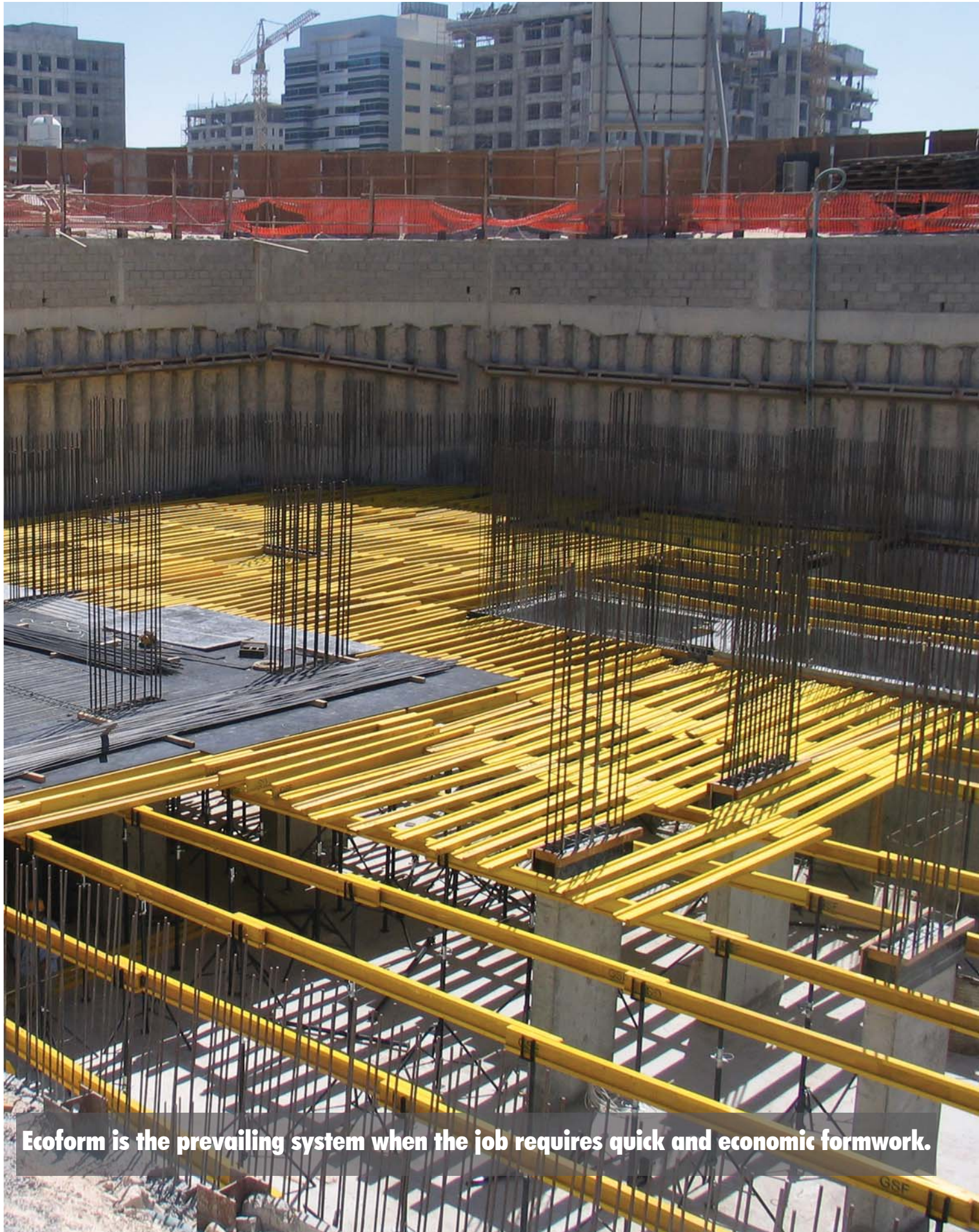




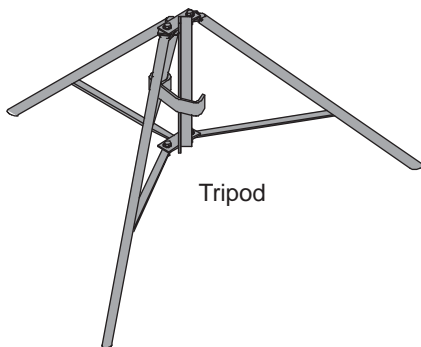
 **SCAFFCO**  
*Formwork & Scaffolding*

## **Ecoform System** **Best System Used for Super Heavy Duty Slab Application With Minimal Components**



**Ecoform is the prevailing system when the job requires quick and economic formwork.**

This system adopts minimum numbers of standard formwork elements. The versatility of the system enables to erect ecoform for any floor geometry. Beams can also be formed efficiently with ecoform.



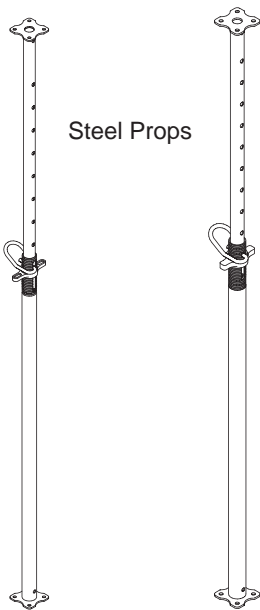
Tripod

### Tripod

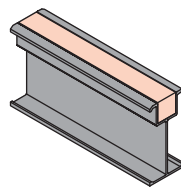
The Tripod is a separate support for setting up the props. The Tripod can be used for all props. Two legs of the tripod can be rotated so that setting up even in the corners is not a problem. The tripod is easily unfolded, the props are placed in the position and locked in place with the sliding clamp. For transporting, the props are taken out, the tripod folded together and fixed in the closed position.

### MD, HD and SHD Props

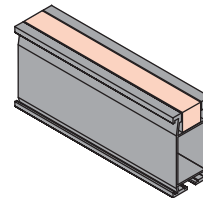
The MD and HD props adopt the 60/48 mm pipe diameter for the outer pipe and inner pipe respectively. The various height range enable the props to be accommodated for most construction applications. SHD props which adopt the 76/60 mm outer pipe and inner pipe respectively, supplies the contractor with very powerful tool for high support capacity.



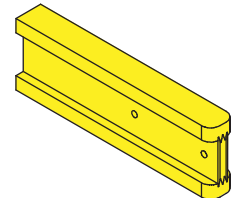
Steel Props

MD & HD Props  
60/48SHD Props  
76/60

Aluminum Beam S150



Aluminum Beam T150



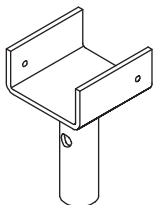
H20 Timber

### Decking Elements

Both the H20 timber girders or the aluminum girders can be used for decking as primary or secondary members. The characteristic strength of the H20 timber girder and the S150 Aluminum beam is almost the same in spite of the better strength characteristics of the S150 comparing with H20 timber. The contractor has the option to choose according to the site condition and budget. On the other hand the T150 Aluminum beam will enable the contractor to support the fresh concrete with larger spans due to the high strength characteristics of the profile.

### Universal Forkhead

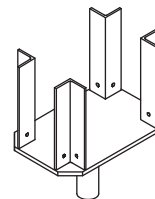
Two types of universal forkheads are available which can be used with H20 girders or aluminum girders. It stabilizes the longitudinal girders against tilting. One or two girders can be used. The forkhead can be attached to props with bolt and nut.



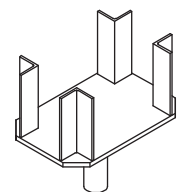
Supporting Head

### Supporting Forkhead

The supporting forkhead allows for the central load distribution. It is assembled on prop with bolt and nut.



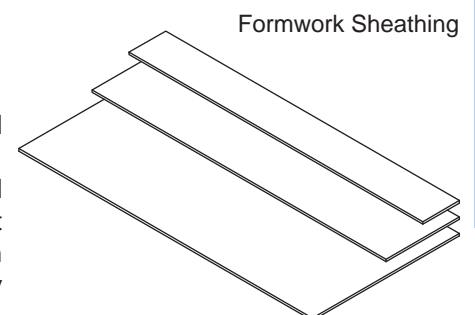
Universal Forkhead H20



Universal Forkhead Alum

### Formwork Sheathing

The 18 mm marine plywood can be used as formwork sheathing. The standard sheet 244cmx122cm can be slitted in to standard strips without any wastage. On the other hand, the standard Plastic Sheets 244cmx122cm can be used also under same usage conditions. The plastic sheets will provide very efficient and durable formwork sheathing which can be used for many projects and can also be kept in stock due to the ability of plastic sheet to be used for many casting cycles.



Formwork Sheathing

## Fewer and Lighter Components Means Faster Formwork





## Design Table (For H20 Timber and Alum. S150 Girders)

The existing slab thickness and the selected secondary beam spacing, which depends upon the type and size of the selected formwork sheathing, determine the maximum permitted distance between primary beams. Using the selected primary beam spacing and slab thickness, the maximum permitted distance between props for the primary beam axes can then be determined. All the figures necessary for the efficient use of ecoform formwork can be quickly and precisely determined with the help of the following table.

Slab Thick. mm	Loading kN/m <sup>2</sup>	Distance Between Secondary Girders		Selected Distance Between Primary Girders (m)								
		(A)		(B)								
		18 mm Plywood	21 mm Plywood	1.00	1.25	1.50	1.75	2.00	2.25	2.50	3.00	3.50
		400 (mm)	500 (mm)	Max. Permitted c/c Supports Span in Meter for the Primary Girders = Props Spacings								
				(C)								
100	4.50	3.83	3.67	2.91	2.70	2.48	2.29	2.14	2.02	1.92	1.69	1.44
120	5.00	3.63	3.47	2.75	2.55	2.34	2.17	2.03	1.91	1.81	1.51	1.29
140	5.50	3.47	3.30	2.62	2.43	2.22	2.06	1.93	1.81	1.63	1.36	1.17
160	6.00	3.33	3.17	2.52	2.33	2.12	1.97	1.84	1.65	1.49	1.24	1.06
180	6.50	3.21	3.05	2.42	2.23	2.04	1.89	1.71	1.52	1.37	1.14	0.98
200	7.00	3.11	2.95	2.34	2.15	1.96	1.81	1.58	1.41	1.27	1.06	0.90
220	7.50	3.02	2.86	2.27	2.07	1.89	1.68	1.47	1.31	1.18	0.98	0.84
240	8.00	2.94	2.79	2.21	2.00	1.83	1.57	1.38	1.22	1.10	0.92	0.79
260	8.50	2.86	2.72	2.61	1.94	1.72	1.48	1.29	1.15	1.03	0.86	0.74
280	9.00	2.80	2.65	2.10	1.88	1.62	1.39	1.22	1.08	0.97	0.81	0.70
300	9.50	2.74	2.59	2.04	1.82	1.53	1.31	1.14	1.02	0.92	0.76	0.65
350	10.75	2.62	2.47	1.89	1.58	1.31	1.13	0.98	0.88	0.79	0.66	0.56
400	12.00	2.50	2.36	1.73	1.38	1.15	0.99	0.86	0.77	0.69	0.58	0.49
450	13.25	2.41	2.27	1.54	1.23	1.03	0.88	0.77	0.68	0.62	0.51	0.44
500	14.50	2.32	2.20	1.39	1.11	0.93	0.79	0.69	0.62	0.56	0.46	0.40
550	15.75	2.20	2.13	1.26	1.01	0.84	0.72	0.63	0.56	0.51	0.42	0.36
600	17.00	2.15	2.05	1.16	0.93	0.77	0.66	0.58	0.52	0.46	0.39	0.33
650	18.25	2.00	1.97	1.07	0.86	0.71	0.61	0.54	0.48	0.43	0.36	0.31
700	19.50	1.90	1.90	1.00	0.80	0.66	0.57	0.50	0.44	0.40	0.33	0.28

Total load assumed in the following way:

Weight of concrete 25 kN/m<sup>3</sup>

Concrete load 25.0 x t [kN/m<sup>2</sup>] [t=Slab Thickness(m)]

Dead load of formwork 0.25 + 0.25 = 0.5 kN/m<sup>2</sup>

Live load 1.50 kN/m<sup>2</sup>

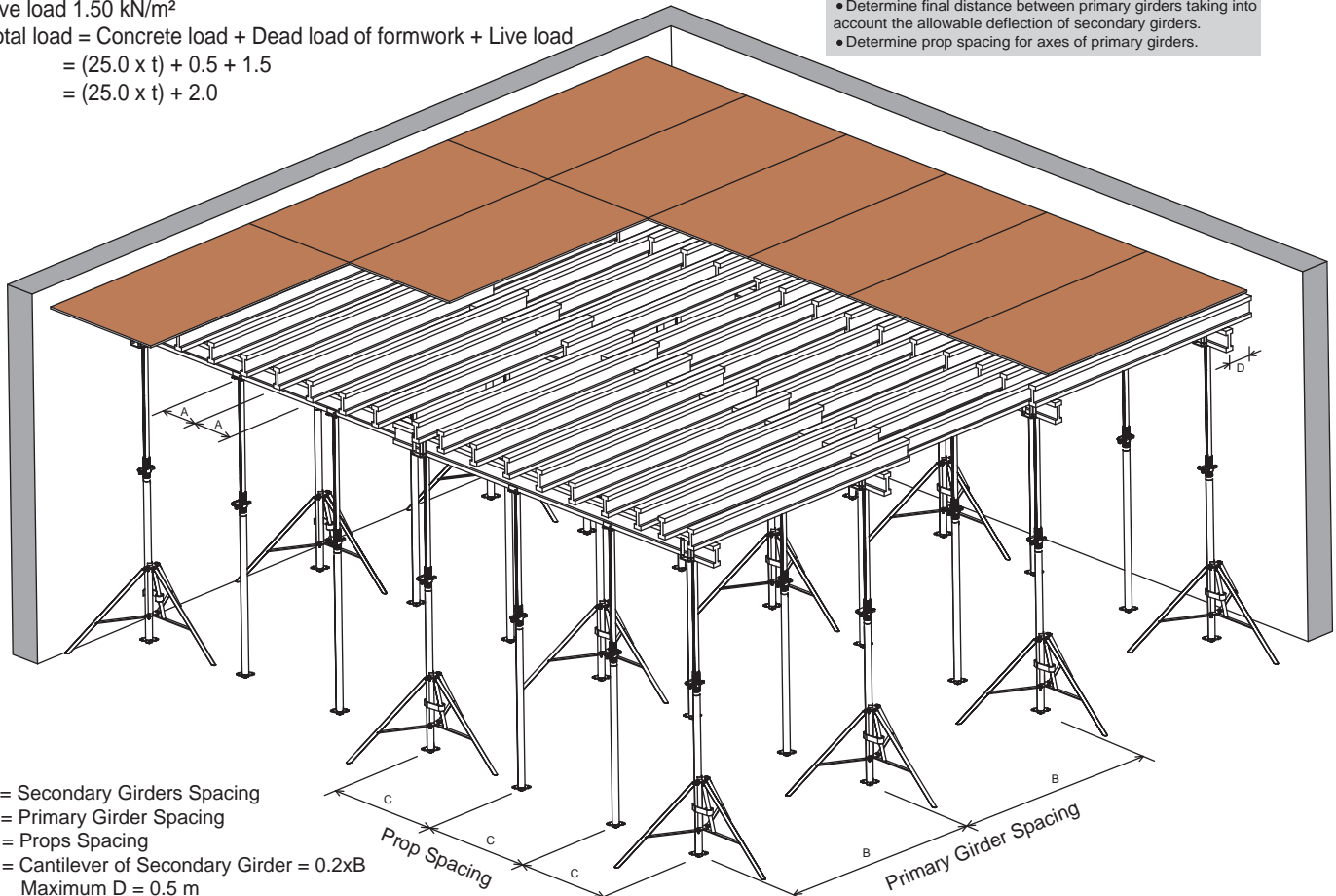
Total load = Concrete load + Dead load of formwork + Live load

$$= (25.0 \times t) + 0.5 + 1.5$$

$$= (25.0 \times t) + 2.0$$

Tips for the use of Design Table:

- Select slab thickness.
- Determine secondary beam spacing "A" taking into account type of formwork sheathing.
- Determine max. span of secondary girder (this is equal to distances between primary girders).
- Determine final distance between primary girders taking into account the allowable deflection of secondary girders.
- Determine prop spacing for axes of primary girders.

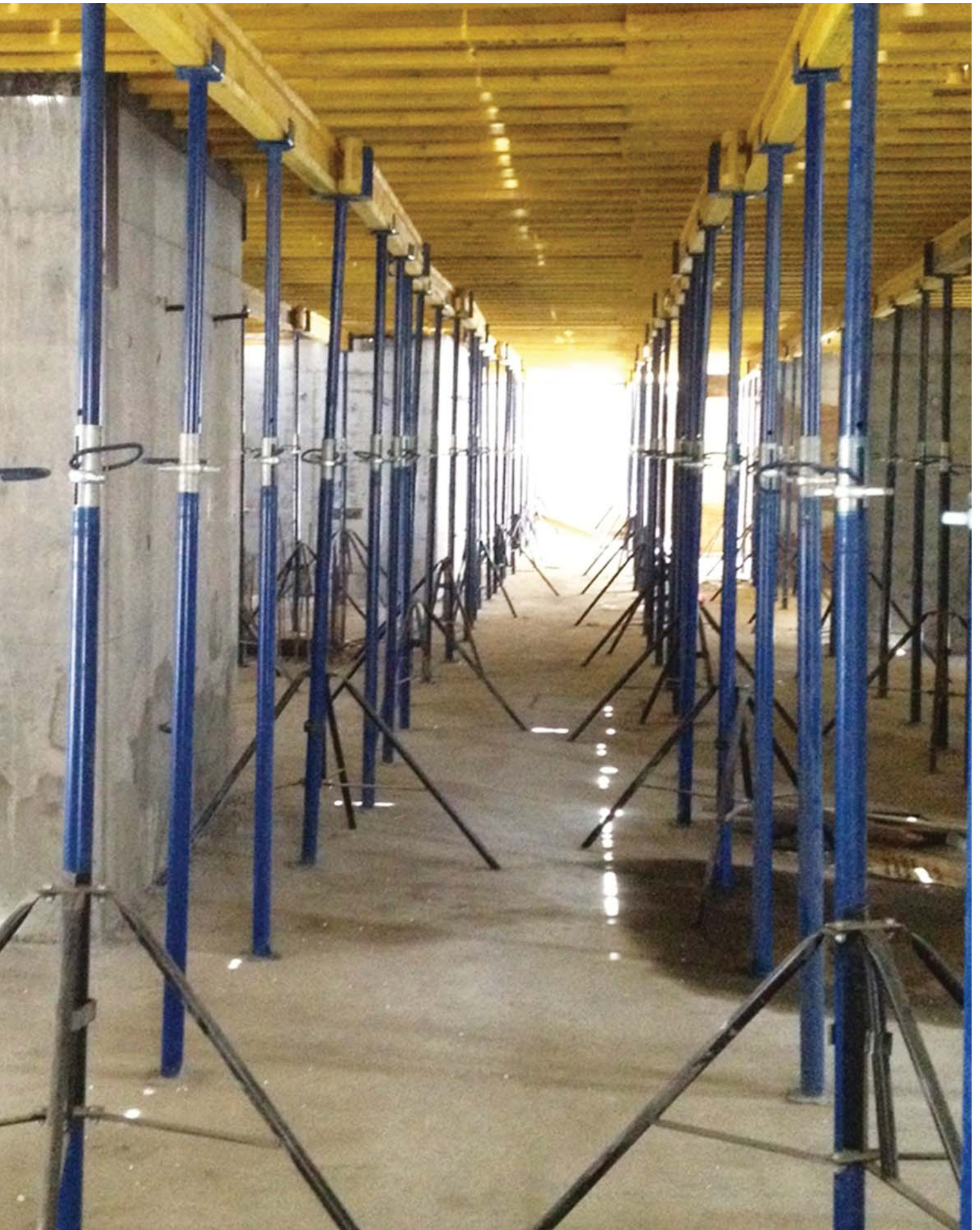


A = Secondary Girders Spacing

B = Primary Girder Spacing

C = Props Spacing

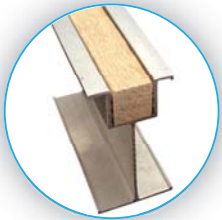
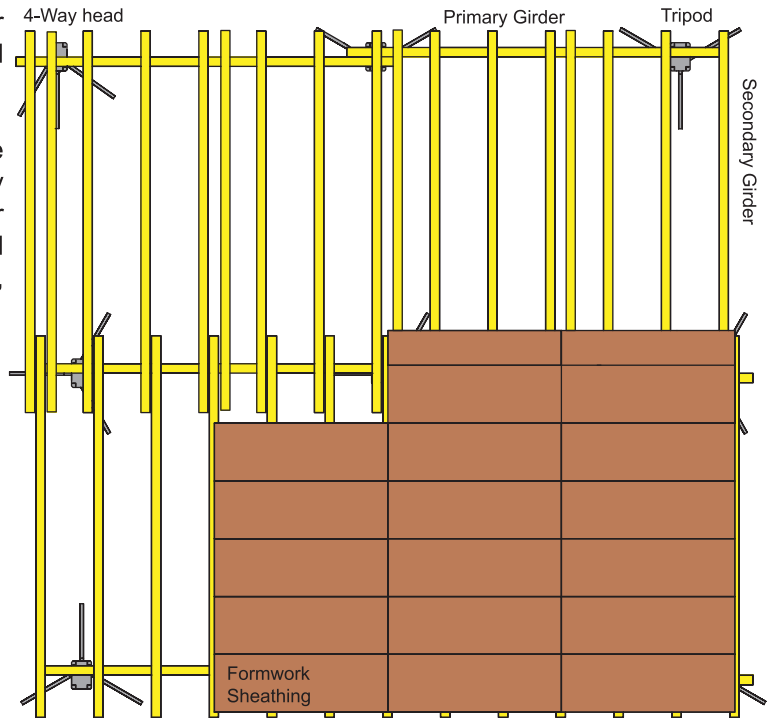
D = Cantilever of Secondary Girder = 0.2xB  
Maximum D = 0.5 m



## Choice between Aluminum or Timber Decking

Ecoform is the most easy and flexible slab formwork system for all types of slabs, consisting of tubular steel props, tripod, universal forkheads, primary and secondary beams and shuttering (plywood) panels.

The system can be used for various clear heights due to selection of various types of steel props. Mainly used for decking areas around lift shafts and stair cases, for villa projects or used as manually handled slab formwork system with limited crane capacity, because the system is fully crane independent.



Aluminum Beam S150



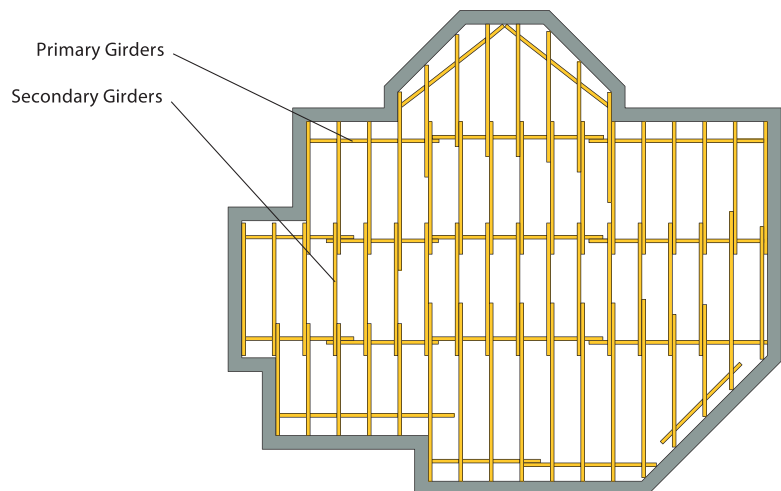
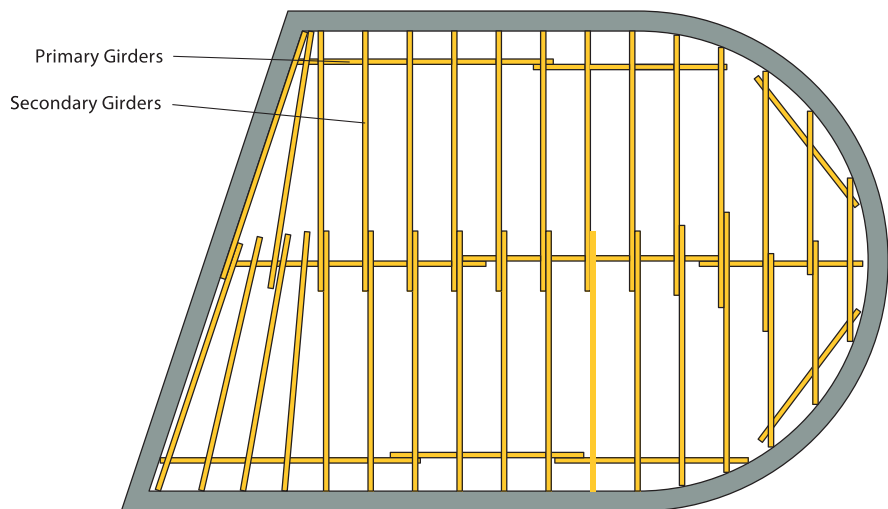
Aluminum Beam T150



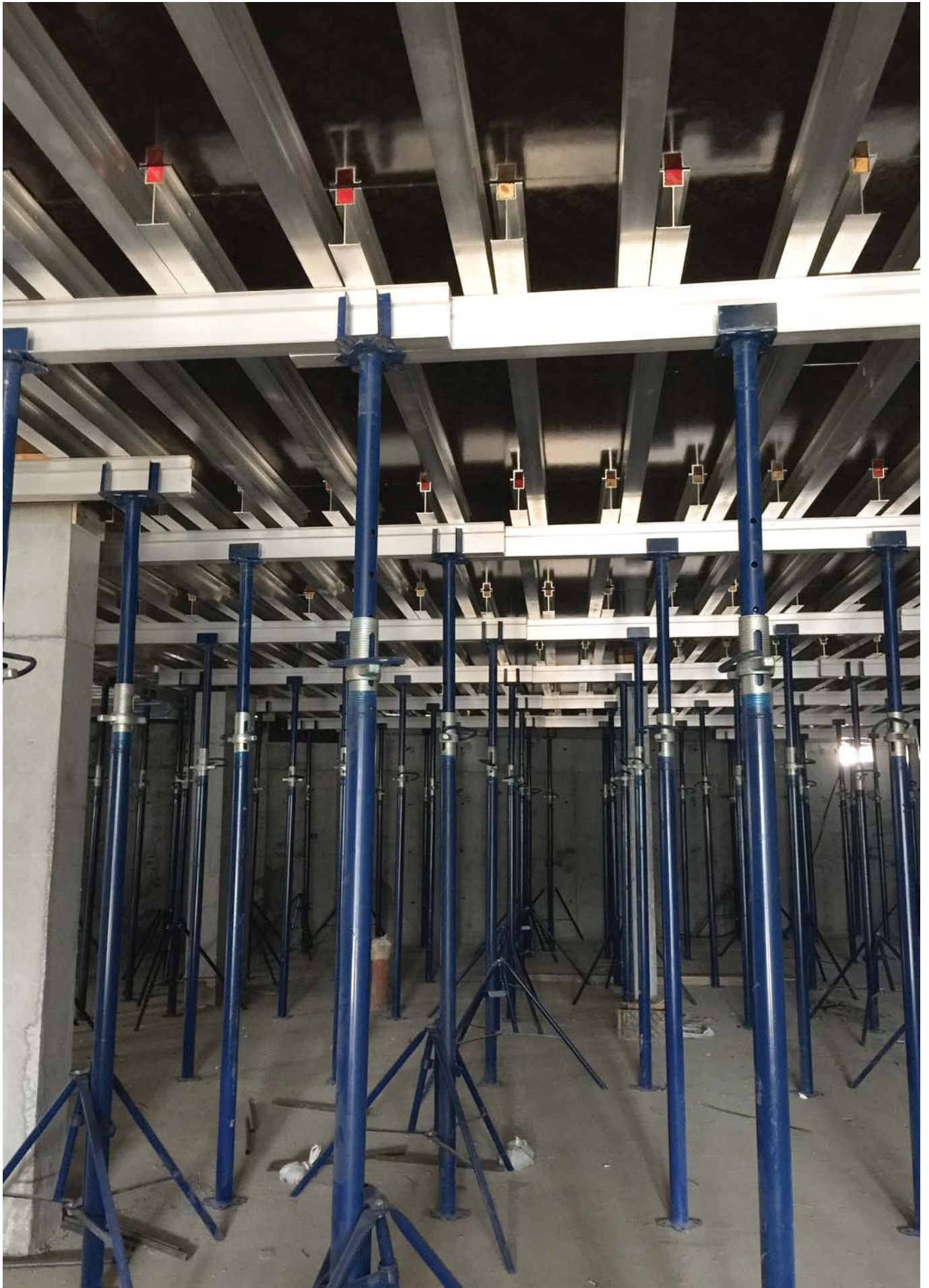
Timber Beam H20



SHD Props 76/60







## Steel Props - Heavy Duty (HD) and Medium Duty (MD)



Adjustable props are economical and popular instruments used to support concrete elements. They provide the best temporary support for all purposes. They are economical to hire or buy, easier and quicker in erection that provides safe load supporting. Single Props are manufactured in two categories “Medium Duty Props” and “Heavy Duty Props”. All props can be manufactured in any size on demand, and the rocking top and bottom plate are also available in any size.

Single Prop Load Table	Heavy Duty Single Prop (HD)			Medium Duty Single Prop (MD)		
	Prop Size (cm)	300	350	400	300	350
Approx. Wt. (Kg)	13.80	15.50	16.70	10.00	11.20	12.00

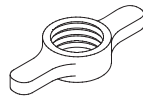
### Single Prop Capacity (kN) - SWL

170 cm	24			14		
180 cm	24			14		
190 cm	24			14		
200 cm	23	22		14	15	
210 cm	22	21		13	14	
220 cm	21	21		13	14	
230 cm	20	21		12	13	
240 cm	20	20		12	13	
250 cm	19	20	20	12	13	13
260 cm	19	19	20	11	12	13
270 cm	18	19	19	11	12	13
280 cm	18	18	19	11	12	12
290 cm	18	18	19	10	12	12
300 cm	17	18	18	10	11	12
310 cm		17	18		11	12
320 cm		15	17		10	11
330 cm		14	17		10	11
340 cm		13	15		10	11
350 cm		12	15		10	10
360 cm			13			10
370 cm			12			9
380 cm			12			9
390 cm			12			8
400 cm						

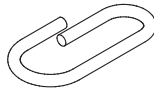


## Steel Props - Super Heavy Duty (SHD)

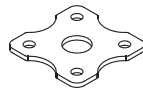




Prop Nut (HD Prop)

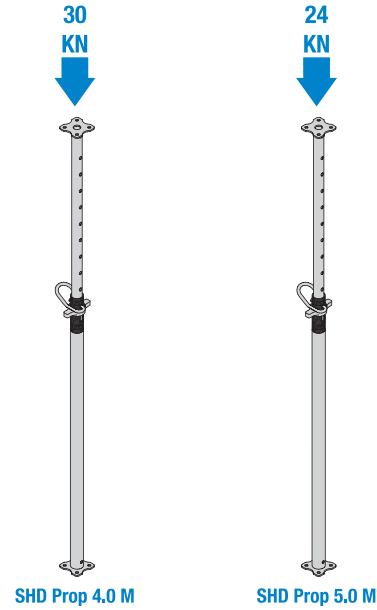


Prop Pin 16mm Dia.



Prop Top & Bottom Plate (15x15 cm)

**Axial Load Capacity with Safety Factor = 2.0**



<b>3.50 m Prop</b>			
Code	FSHP20535030P	FSHP20535030E	FSHP20535030FE
Description	Super Heavy Duty Prop 3.5 m <b>Painted</b> 205 cm - 360 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 3.5 m <b>EP Collar</b> 205 cm - 360 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 3.5m <b>Fully Electroplated</b> 205 cm - 360 cm Outer Tube 76.3 mm Inner Tube 60.3 mm
Approx. Wt.	23.0	23.0	23.0

<b>4.00 m Prop</b>			
Code	FSHP23041030P	FSHP23041030E	FSHP23041030FE
Description	Super Heavy Duty Prop 4.0 m <b>Painted</b> 230 cm - 410 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 4.0 m <b>EP Collar</b> 230 cm - 410 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 4.0m <b>Fully Electroplated</b> 230 cm - 410 cm Outer Tube 76.3 mm Inner Tube 60.3 mm
Approx. Wt.	25.3	25.3	25.3

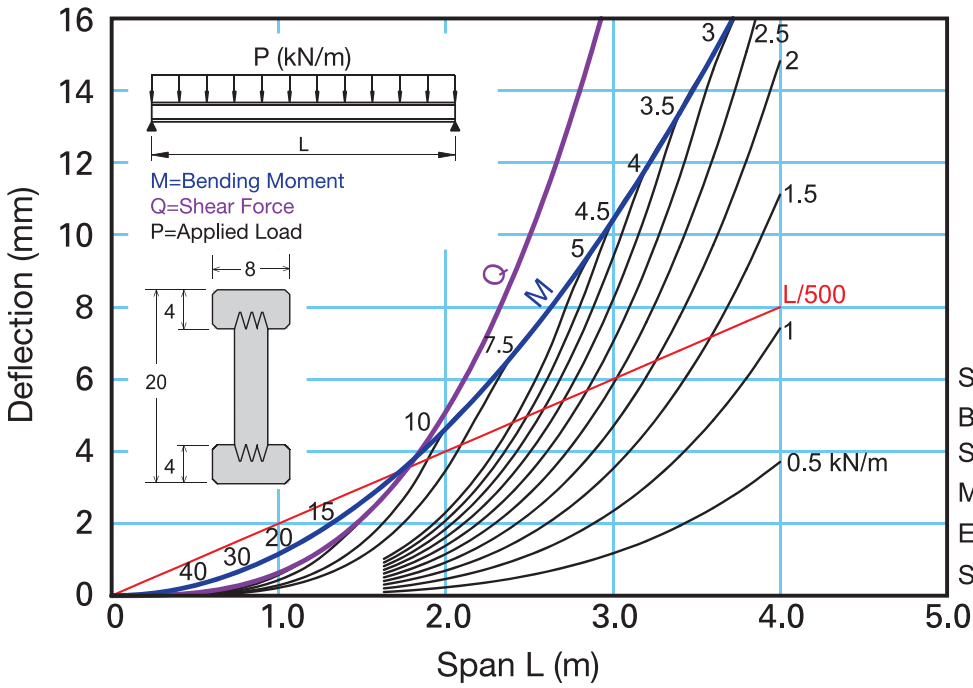
<b>4.50 m Prop</b>			
Code	FSHP26046030P	FSHP26046030E	FSHP26046030FE
Description	Super Heavy Duty Prop 4.5 m <b>Painted</b> 260 cm - 460 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 4.5 m <b>EP Collar</b> 260 cm - 460 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 4.5m <b>Fully Electroplated</b> 260 cm - 460 cm Outer Tube 76.3 mm Inner Tube 60.3 mm
Approx. Wt.	27.5	27.5	27.5

<b>5.00 m Prop</b>			
Code	FSHP30050030P	FSHP30050030E	FSHP30050030FE
Description	Super Heavy Duty Prop 5.0 m <b>Painted</b> 300 cm - 500 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 5.0 m <b>EP Collar</b> 300 cm - 500 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 5.0m <b>Fully Electroplated</b> 300 cm - 500 cm Outer Tube 76.3 mm Inner Tube 60.3 mm
Approx. Wt.	29.7	29.7	29.7

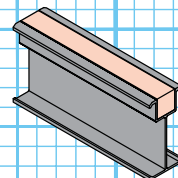
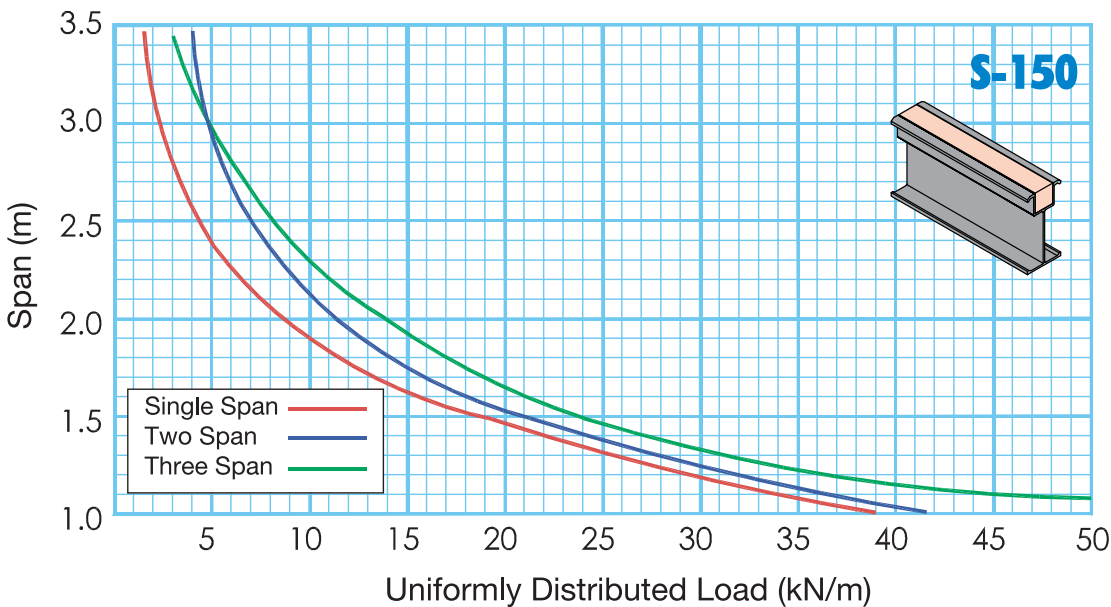
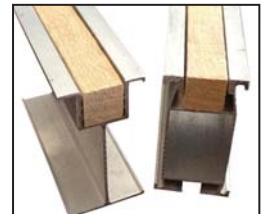
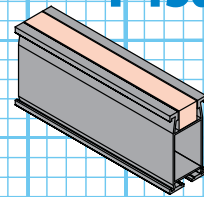
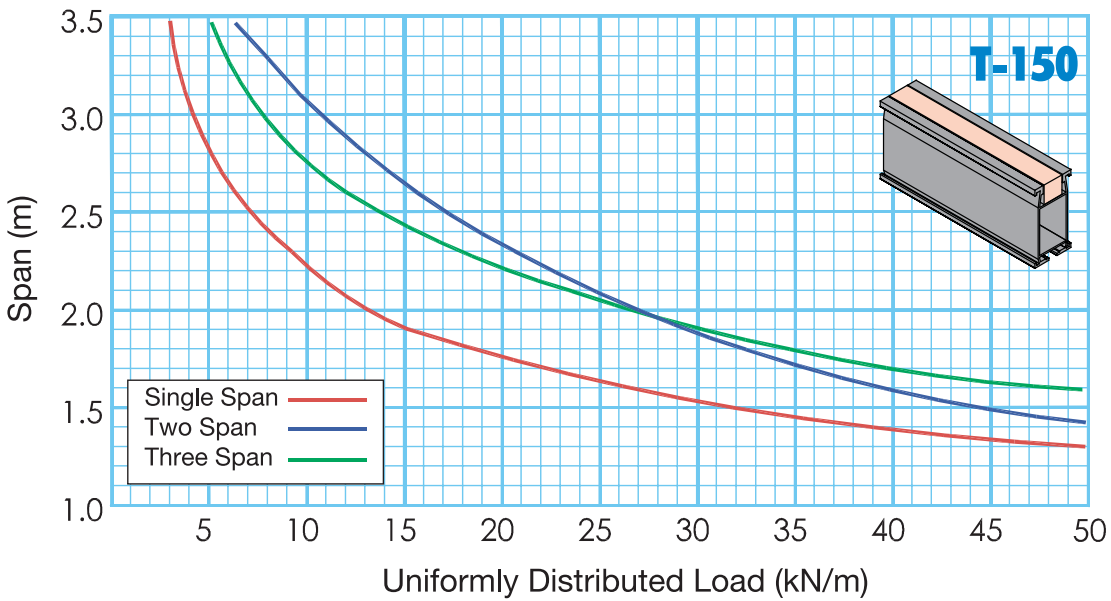


## Load Capacity of Decking Members H20 Timber Beams & Aluminum Beams S150, T150

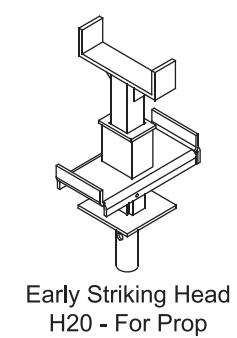
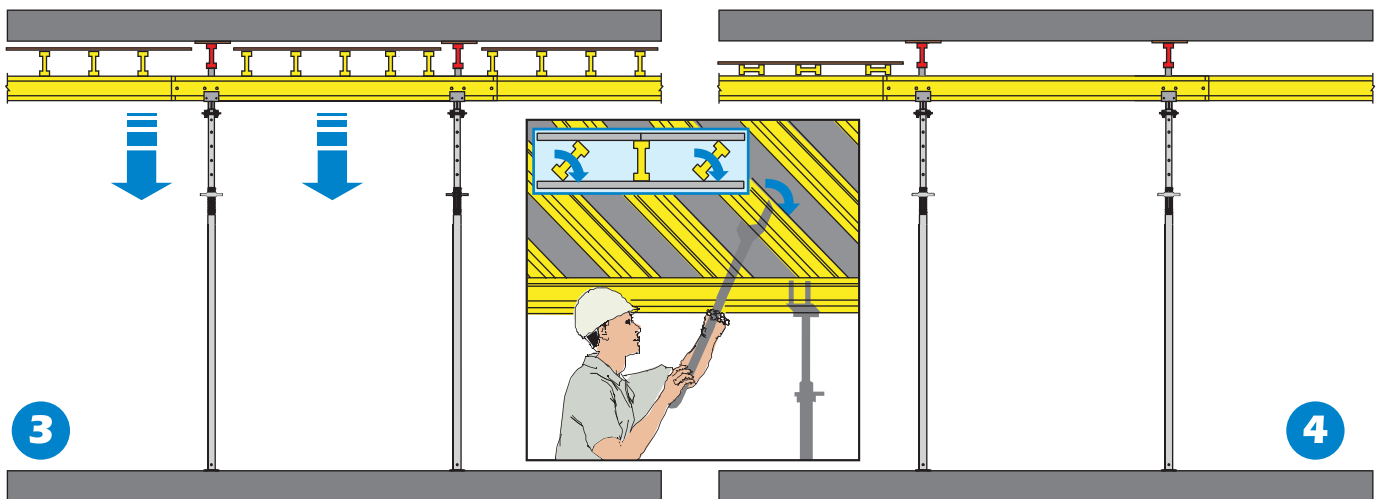
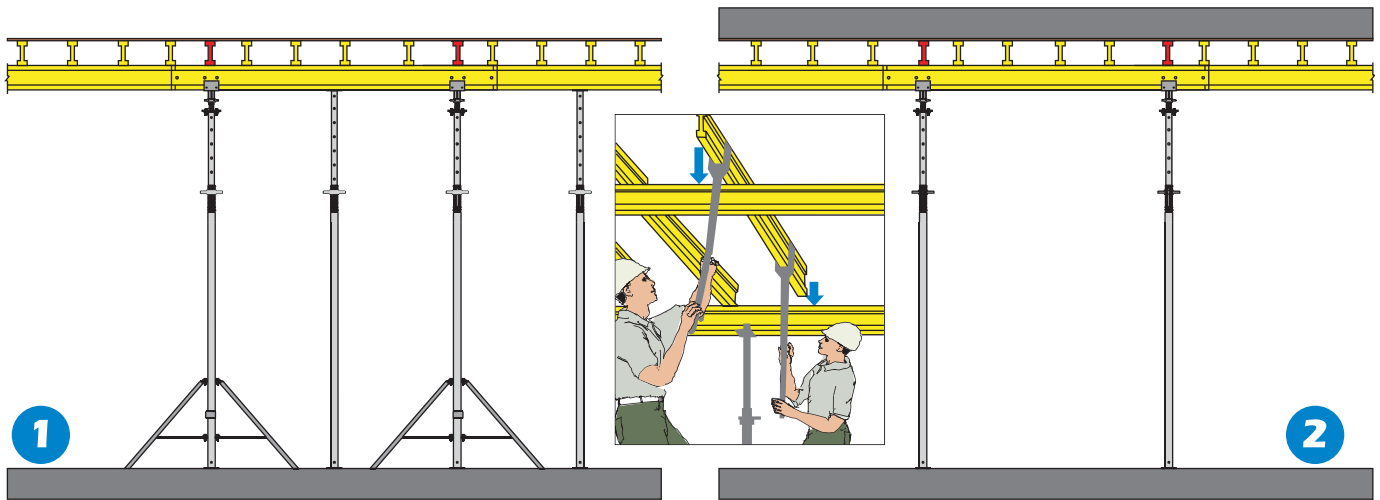




Shear force  $Q=11.0$  kN  
 Bending Moment  $M=5.0$  kN  
 Section Modulus  $S_x=461\text{cm}^3$   
 Moment of Inertia  $I_x=4613\text{ cm}^4$   
 Elasticity Modulus  $E=10,000\text{ N/m}^2$   
 Shearing Modulus  $G=600\text{ N/m}^2$

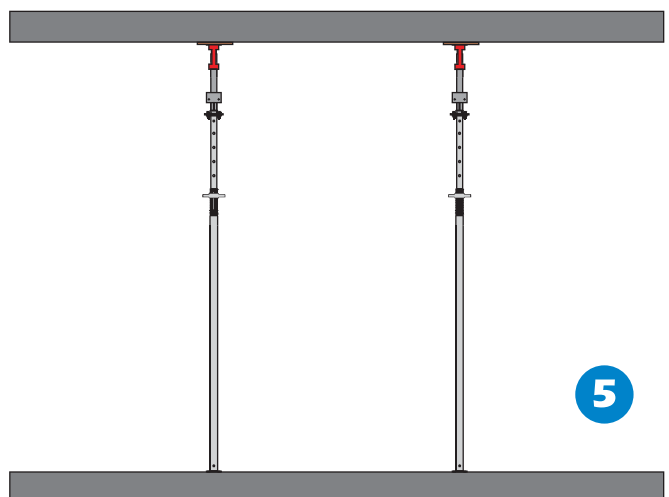
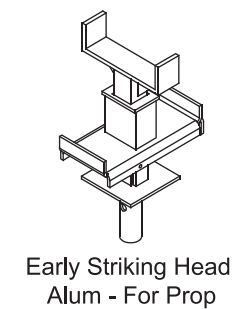


## Early Striking Head for Economical Slab Formwork



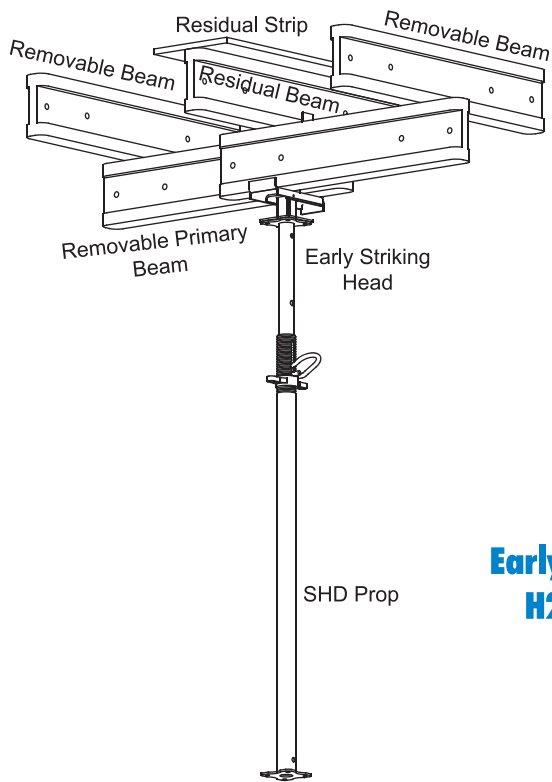
- Simple Erection
- Straightforward
- Speedy Progress

- Safety and Economy
- Less Quantity of Materials

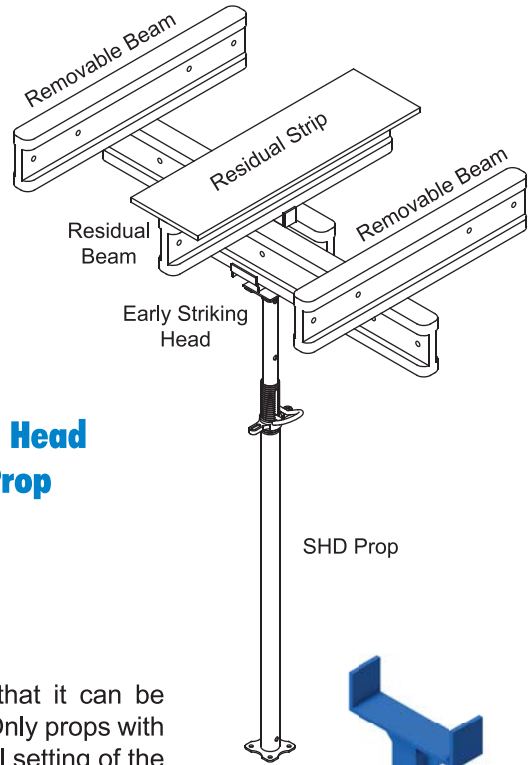




**The most economical slab formwork option  
2 Propping 1 Decking**



**Early Striking Head  
H20 - For Prop**

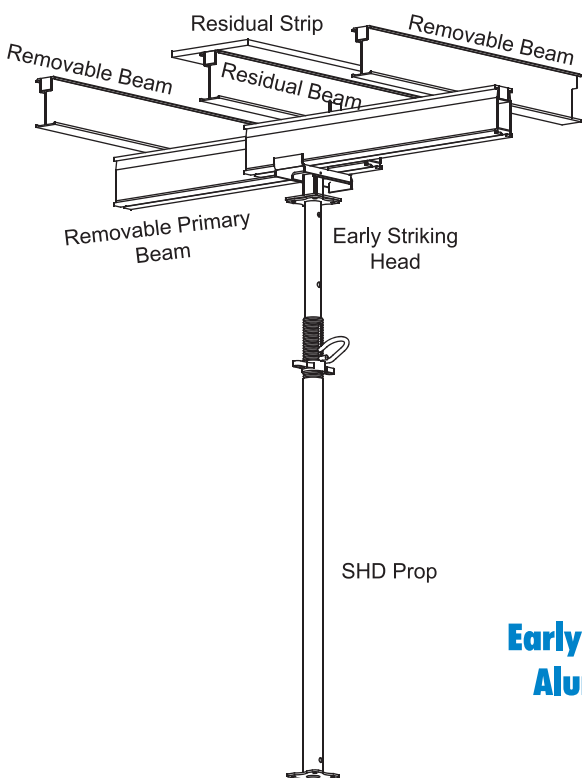


SHD Prop

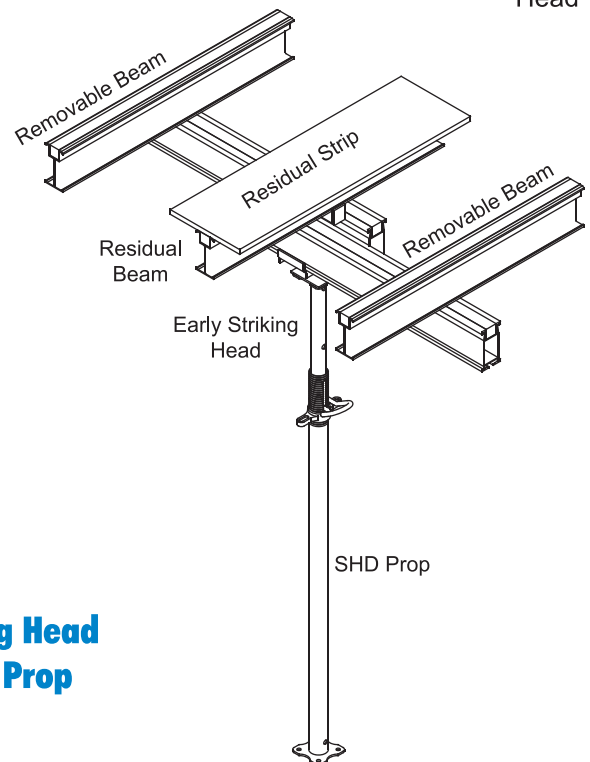


Early Striking Head

The early striking head permits lowering the formwork so that it can be removed and re-used to form the next cycle (early stripping). Only props with drop heads remain in position to support the slab until the final setting of the concrete. The drop head is mounted to SHD props with 2 bolts M16x40. The advantage of early striking is that the primary and secondary beams may be removed while the concrete soffit remains supported and completely undisturbed during its curing period. The primary and secondary beams may therefore be re-used; thus, gaining further concrete production with only an additional set of supporting components.



**Early Striking Head  
Alum - For Prop**



SHD Prop

	Wt. (kg)	Code	
<b>Single Prop Medium Duty (SPMD) Handle Type D/F</b>			
	SPMD 100 cm EP Collar	4.92 FSPR07010020E	
	SPMD 150 cm EP Collar	6.04 FSPR10015020E	
	SPMD 200 cm EP Collar	7.48 FSPR12020020E	
	SPMD 250 cm EP Collar	8.59 FSPR15025020E	
	SPMD 300 cm EP Collar	10.03 FSPR17030020E	
	SPMD 350 cm EP Collar	11.16 FSPR20035020E	
	SPMD 450 cm EP Collar	13.74 FSPR25045020E	
	SPMD 500 cm EP Collar	14.88 FSPR30050020E	
	SPMD 550 cm EP Collar	16.02 FSPR35055020E	
	SPMD 600 cm EP Collar	17.17 FSPR40060020E	
		SPMD 100 cm Painted Collar	4.92 FSPR07010020P
		SPMD 150 cm Painted Collar	6.04 FSPR10015020P
SPMD 200 cm Painted Collar		7.48 FSPR12020020P	
SPMD 250 cm Painted Collar		8.59 FSPR15025020P	
SPMD 300 cm Painted Collar		10.03 FSPR17030020P	
SPMD 350 cm Painted Collar		11.16 FSPR20035020P	
SPMD 450 cm Painted Collar		13.74 FSPR25045020P	
SPMD 500 cm Painted Collar		14.88 FSPR30050020P	
SPMD 550 cm Painted Collar		16.02 FSPR35055020P	
SPMD 600 cm Painted Collar		17.17 FSPR40060020P	
		SPMD 100 cm Fully EP	4.92 FSPR07010020FE
		SPMD 150 cm Fully EP	6.04 FSPR10015020FE
	SPMD 200 cm Fully EP	7.48 FSPR12020020FE	
	SPMD 250 cm Fully EP	8.59 FSPR15025020FE	
	SPMD 300 cm Fully EP	10.03 FSPR17030020FE	
	SPMD 350 cm Fully EP	11.16 FSPR20035020FE	
	SPMD 450 cm Fully EP	13.74 FSPR25045020FE	
	SPMD 500 cm Fully EP	14.88 FSPR30050020FE	
	SPMD 550 cm Fully EP	16.02 FSPR35055020FE	
	SPMD 600 cm Fully EP	17.17 FSPR40060020FE	

Finish: as shown

	Wt. (kg)	Code	
<b>Single Prop Heavy Duty (SPHD) Handle Type D/F</b>			
	SPHD 100 cm EP Collar	6.53 FSPR07010032E	
	SPHD 150 cm EP Collar	8.27 FSPR10015032E	
	SPHD 200 cm EP Collar	10.52 FSPR12020032E	
	SPHD 250 cm EP Collar	12.26 FSPR15025032E	
	SPHD 300 cm EP Collar	14.52 FSPR17030032E	
	SPHD 350 cm EP Collar	16.28 FSPR20035032E	
	SPHD 450 cm EP Collar	20.31 FSPR25045032E	
	SPHD 500 cm EP Collar	22.09 FSPR30050032E	
	SPHD 550 cm EP Collar	23.87 FSPR35055032E	
	SPHD 600 cm EP Collar	25.65 FSPR40060032E	
		SPHD 100 cm Painted Collar	6.53 FSPR07010032P
		SPHD 150 cm Painted Collar	8.27 FSPR10015032P
SPHD 200 cm Painted Collar		10.52 FSPR12020032P	
SPHD 250 cm Painted Collar		12.26 FSPR15025032P	
SPHD 300 cm Painted Collar		13.81 FSPR17030030P	
SPHD 350 cm Painted Collar		16.28 FSPR20035032P	
SPHD 450 cm Painted Collar		20.31 FSPR25045032P	
SPHD 500 cm Painted Collar		22.09 FSPR30050032P	
SPHD 550 cm Painted Collar		23.87 FSPR35055032P	
SPHD 600 cm Painted Collar		25.65 FSPR40060032P	
		SPHD 100 cm Fully EP	6.53 FSPR07010032FE
		SPHD 150 cm Fully EP	8.27 FSPR10015032FE
	SPHD 200 cm Fully EP	10.52 FSPR12020032FE	
	SPHD 250 cm Fully EP	12.26 FSPR15025032FE	
	SPHD 300 cm Fully EP	14.52 FSPR17030032FE	
	SPHD 350 cm Fully EP	16.28 FSPR20035032FE	
	SPHD 450 cm Fully EP	20.31 FSPR25045032FE	
	SPHD 500 cm Fully EP	22.09 FSPR30050032FE	
	SPHD 550 cm Fully EP	23.87 FSPR35055032FE	
	SPHD 600 cm Fully EP	25.65 FSPR40060032FE	

Finish: as shown

	Wt. (kg)	Code
<b>Single Prop Super Heavy Duty (SPSHD)</b>		
	SPSHD 3.00 M Painted (180 cm - 300 cm)	20.75 FSHP18030030P
	SPSHD 3.50 M Painted (205 cm - 360 cm)	23.03 FSHP20535030P
	SPSHD 4.00 M Painted (230 cm - 410 cm)	25.28 FSHP23041030P
	SPSHD 4.50 M Painted (260 cm - 450 cm)	27.53 FSHP26045030P
	SPSHD 5.00 M Painted (300 cm - 500 cm)	29.69 FSHP30050030P
		SPSHD 3.00 M EP Collar (180 cm - 300 cm)
SPSHD 3.50 M EP Collar (205 cm - 360 cm)		23.03 FSHP20535030E
SPSHD 4.00 M EP Collar (230 cm - 410 cm)		25.28 FSHP23041030E
SPSHD 4.50 M EP Collar (260 cm - 450 cm)		27.53 FSHP26045030E
SPSHD 5.00 M EP Collar (300 cm - 500 cm)		29.69 FSHP30050030E
		SPSHD 3.00 M Fully EP (180 cm - 300 cm)
	SPSHD 3.50 M Fully EP (205 cm - 360 cm)	23.03 FSHP20535030FE
	SPSHD 4.00 M Fully EP (230 cm - 410 cm)	25.28 FSHP23041030FE
	SPSHD 4.50 M Fully EP (260 cm - 450 cm)	27.53 FSHP26045030FE
	SPSHD 5.00 M Fully EP (300 cm - 500 cm)	29.69 FSHP30050030FE

Outer Tube 76.3 mm, Inner Tube 60.3 mm

	Wt. (kg)	Code
<b>Single Prop (SP) GP</b>		
	SPGP 390 cm MD (220-390) (P)	11.59 FSGPR22039020P
	SPGP 390 cm MD (220-390) (EP)	11.59 FSGPR22039020E
	SPGP 400 cm MD (220-400) (P)	11.99 FSGPR22040020P
	SPGP 400 cm MD (220-400) (EP)	11.99 FSGPR22040020E
	SPGP 390 cm HD (220-390) (P)	16.33 FSGPR22039032P
	SPGP 390 cm HD (220-390) (EP)	16.33 FSGPR22039032E
	SPGP 400 cm HD (220-400) (P)	16.73 FSGPR22040032P
	SPGP 400 cm HD (220-400) (EP)	16.73 FSGPR22040032E

	Wt. (kg)	Code
<b>Early Striking Head (ESH) - For Prop</b>		
	ESH - H20 - For Prop (EP) Dia 38mm W/ 6x40Bolt & Nut	6.14 FGESHEALP
	ESH - Alum - For Prop (EP) Dia 38mm W/ 6x40Bolt & Nut	6.31 FGESHEH20P
<i>Finish: Painted + EP</i>		

	Wt. (kg)	Code
<b>Early Striking Head (ESH) - For System</b>		
	ESH - H20 - For System (EP) Dia 38mm W/ 6x40Bolt & Nut	6.16 FGESHEALS
	ESH - Alum - For System (EP) Dia 38mm W/ 6x40Bolt & Nut	6.34 FGESHEH20S
<i>Finish: Painted + EP</i>		

	Wt. (kg)	Code
<b>Unified GR Bracket</b>		
	Unified GR-Bracket with 1no.M12X100 and 2no.M16X150 Bolt & Nut - Painted	3.65 FGDGRUBP001
	Unified GR-Bracket with 1no.M12X100 and 2no.M16X150 Bolt & Nut - EP	3.65 FGDGRUBE001
Tube dia.: 60.3mm		
<small>Attached to the H20 Beams with M16x75 mm bolt &amp; nut (full threaded)</small>		

	Wt. (kg)	Code
<b>Universal GR Bracket</b>		
	Universal GR Bracket - Painted	4.32 FGDGRUBP
Tube dia.: 60.3mm		

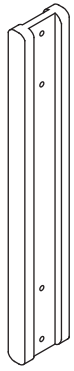
	Wt. (kg)	Code
<b>Beam Frame</b>		
	Beam Frame (P)	7.64 FGDBFP
	Beam Frame (EP)	7.64 FGDBFE
	Beam Frame (GI)	7.64 FGDBFG

	Wt. (kg)	Code
<b>Beam Fork</b>		
	Beam Fork (P)	4.46 FGFBF0001
Length: 171 cm Dia.: 48.3 mm		

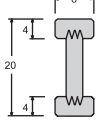
	Wt. (kg)	Code
<b>GR Post 150</b>		
	GR Post 150 (P)	3.57 FGDGRP150
	GR Post 150 (EP)	3.57 FGDGRE150
Length: 150 cm Dia.: 48.3 mm With Nut & Bolt M12 x100		

	Wt. (kg)	Code
<b>Marine Plywood 244x122</b>		
	Marine Plywood 12.00X2440X1220 mm	19.50 FMPW0120A01
	Marine Plywood 18.00X2440X1220 mm	29.00 FMPW0180A01

**H20 Timber Beam (TB)**



Moment: 5.00 kN.m  
Shear: 11kN  
Area: 18.87 cm  
E.I.= 500 kNm

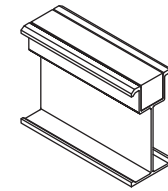


H20 TB (200x80) 0125 cm	6.25
H20 TB (200x80) 0145 cm	7.25
H20 TB (200x80) 0165 cm	8.25
H20 TB (200x80) 0180 cm	9.00
H20 TB (200x80) 0225 cm	11.25
H20 TB (200x80) 0245 cm	12.25
H20 TB (200x80) 0265 cm	13.25
H20 TB (200x80) 0290 cm	14.50
H20 TB (200x80) 0295 cm	14.75
H20 TB (200x80) 0330 cm	16.50
H20 TB (200x80) 0360 cm	18.00
H20 TB (200x80) 0390 cm	19.50
H20 TB (200x80) 0450 cm	22.50
H20 TB (200x80) 0490 cm	24.50
H20 TB (200x80) 0590 cm	29.50
H20 TB (200x80) 1190 cm	59.50

Finish: Varnished Yellow  
Supports are rounded at the end for damage protection. Web-three layer crosswise laminated solid timber panel.  
Weight: 5 kg per running meter

Wt. (kg) Code

**Aluminum Beam (AB) S150**



Aluminum Beam S150 (Timber Size 38x38mm)

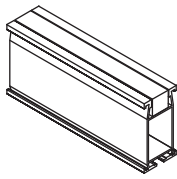
Finish: Mill Finish  
moment of resistance: 6.80 kN.m  
Area: 11.96 cm  
Inertia xx: 356 cm  
Inertia yy: 43.764 cm  
Section Modulus Zxx: 47.15 cm  
Young's Modulus: 69000 N/mm  
Weight: 3.95 kg/m (with Timber)  
3.20 kg/m (without Timber)  
Timber Wt.=0.75 kg/m

**With Timber**

AB S-150 (150 x 75) 050 cm	1.95
AB S-150 (150 x 75) 075 cm	2.93
AB S-150 (150 x 75) 100 cm	3.90
AB S-150 (150 x 75) 125 cm	4.88
AB S-150 (150 x 75) 150 cm	5.85
AB S-150 (150 x 75) 175 cm	6.83
AB S-150 (150 x 75) 200 cm	7.80
AB S-150 (150 x 75) 225 cm	8.78
AB S-150 (150 x 75) 250 cm	9.75
AB S-150 (150 x 75) 275 cm	10.73
AB S-150 (150 x 75) 300 cm	11.70
AB S-150 (150 x 75) 325 cm	12.68
AB S-150 (150 x 75) 350 cm	13.65
AB S-150 (150 x 75) 375 cm	14.63
AB S-150 (150 x 75) 400 cm	15.60
AB S-150 (150 x 75) 425 cm	16.58
AB S-150 (150 x 75) 450 cm	17.55
AB S-150 (150 x 75) 475 cm	18.53
AB S-150 (150 x 75) 500 cm	19.50
AB S-150 (150 x 75) 525 cm	20.48
AB S-150 (150 x 75) 550 cm	21.45
AB S-150 (150 x 75) 575 cm	22.43
AB S-150 (150 x 75) 600 cm	23.40

Wt. (kg) Code

**Aluminum Beam (AB) T150**



Aluminum Beam T150 (Timber Size 38x38mm)

Finish: Mill Finish

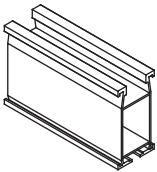
Moment of resistance: 13.00 kN.m  
Area: 18.87 cm  
Inertia xx: 574.3 cm  
Inertia yy: 147.4 cm  
Section modulus Zxx: 75.36 cm  
Young's Modulus 69000 N/mm  
Weight: 5.80 kg/m (with Timber)  
5.05 kg/m (without Timber)  
Timber Wt.=0.75 kg/m

**With Timber**

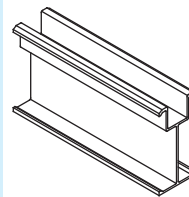
AB T-150 (150 x 80) 050 cm	2.92
AB T-150 (150 x 80) 075 cm	4.37
AB T-150 (150 x 80) 100 cm	5.83
AB T-150 (150 x 80) 125 cm	7.29
AB T-150 (150 x 80) 150 cm	8.75
AB T-150 (150 x 80) 175 cm	10.20
AB T-150 (150 x 80) 200 cm	11.66
AB T-150 (150 x 80) 225 cm	13.12
AB T-150 (150 x 80) 250 cm	14.58
AB T-150 (150 x 80) 275 cm	16.03
AB T-150 (150 x 80) 300 cm	17.49
AB T-150 (150 x 80) 325 cm	18.95
AB T-150 (150 x 80) 350 cm	20.41
AB T-150 (150 x 80) 375 cm	21.86
AB T-150 (150 x 80) 400 cm	23.32
AB T-150 (150 x 80) 425 cm	24.78
AB T-150 (150 x 80) 450 cm	26.24
AB T-150 (150 x 80) 475 cm	27.69
AB T-150 (150 x 80) 500 cm	29.15
AB T-150 (150 x 80) 525 cm	30.61
AB T-150 (150 x 80) 550 cm	32.07
AB T-150 (150 x 80) 575 cm	33.52
AB T-150 (150 x 80) 600 cm	34.98

**Without Timber**

AB T-150 (150 x 80) 050 cm	2.54
AB T-150 (150 x 80) 075 cm	3.81
AB T-150 (150 x 80) 100 cm	5.08
AB T-150 (150 x 80) 125 cm	6.35
AB T-150 (150 x 80) 150 cm	7.62
AB T-150 (150 x 80) 175 cm	8.89
AB T-150 (150 x 80) 200 cm	10.16
AB T-150 (150 x 80) 225 cm	11.43
AB T-150 (150 x 80) 250 cm	12.70
AB T-150 (150 x 80) 275 cm	13.97
AB T-150 (150 x 80) 300 cm	15.24
AB T-150 (150 x 80) 325 cm	16.51
AB T-150 (150 x 80) 350 cm	17.78
AB T-150 (150 x 80) 375 cm	19.05
AB T-150 (150 x 80) 400 cm	20.32
AB T-150 (150 x 80) 425 cm	21.59
AB T-150 (150 x 80) 450 cm	22.86
AB T-150 (150 x 80) 475 cm	24.13
AB T-150 (150 x 80) 500 cm	25.40
AB T-150 (150 x 80) 525 cm	26.67
AB T-150 (150 x 80) 550 cm	27.94
AB T-150 (150 x 80) 575 cm	29.21
AB T-150 (150 x 80) 600 cm	30.48



Aluminum Beam T150 (without Timber)

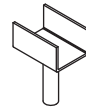


Aluminum Beam S150 (without Timber)

**Without Timber**

AB S-150 (150 x 75) 050 cm	1.58
AB S-150 (150 x 75) 075 cm	2.36
AB S-150 (150 x 75) 100 cm	3.15
AB S-150 (150 x 75) 125 cm	3.94
AB S-150 (150 x 75) 150 cm	4.73
AB S-150 (150 x 75) 175 cm	5.51
AB S-150 (150 x 75) 200 cm	6.30
AB S-150 (150 x 75) 225 cm	7.09
AB S-150 (150 x 75) 250 cm	7.88
AB S-150 (150 x 75) 275 cm	8.66
AB S-150 (150 x 75) 300 cm	9.45
AB S-150 (150 x 75) 325 cm	10.24
AB S-150 (150 x 75) 350 cm	11.03
AB S-150 (150 x 75) 375 cm	11.81
AB S-150 (150 x 75) 400 cm	12.60
AB S-150 (150 x 75) 425 cm	13.39
AB S-150 (150 x 75) 450 cm	14.18
AB S-150 (150 x 75) 475 cm	14.96
AB S-150 (150 x 75) 500 cm	15.75
AB S-150 (150 x 75) 525 cm	16.54
AB S-150 (150 x 75) 550 cm	17.33
AB S-150 (150 x 75) 575 cm	18.11
AB S-150 (150 x 75) 600 cm	18.90

**Supporting Forkhead (SF)**



Supporting Forkhead 10x17x20 (P)	3.88
Supporting Forkhead 10x17x20 (EP)	3.88

FGF99006
FGF99006E

Supporting Forkhead - 38 Painted	2.16
Supporting Forkhead - 38 EP	2.16

XESSFH
XESSFHE

Finish: Painted Blue

**Universal Forkhead - H20**

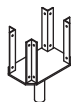


Universal Forkhead - H20	3.10
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XESUFH20
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Finish: Painted Blue

**Universal Forkhead - Aluminium**

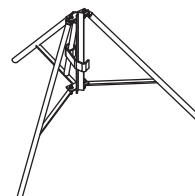


Universal Forkhead - Aluminium	2.83
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XESUFHAL
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Finish: Painted Blue

**Tripod**

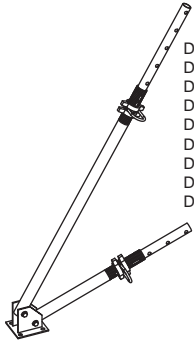


Tripod Painted	10.20
Tripod E/P	10.20

XESTPD
XESTPDE

Finish: Painted or E/P

**Double Push Pull Props Double Adjustable (DPPPDA)**



	Wt. (kg)	Code
DPPPDA 150 cm (E/P Collar) HD	20.00	FDPD10015030E
DPPPDA 250 cm (E/P Collar) HD	22.24	FDPD15025030E
DPPPDA 300 cm (E/P Collar) HD	24.36	FDPD17030030E
DPPPDA 350 cm (E/P Collar) HD	26.02	FDPD20035030E
DPPPDA 400 cm (E/P Collar) HD	27.26	FDPD25040030E
DPPPDA 450 cm (E/P Collar) HD	31.93	FDPD25045030E
DPPPDA 500 cm (E/P Collar) HD	33.61	FDPD30050030E
DPPPDA 550 cm (E/P Collar) HD	35.28	FDPD35055030E
DPPPDA 600 cm (E/P Collar) HD	36.96	FDPD40060030E

**Single Rocking Push-Pull Prop (SRPPP)**



Finish: Painted

SRPPP 150cm (Painted Collar) HD	10.09	FRPP10015030P
SRPPP 200cm (Painted Collar) HD	12.21	FRPP12020030P
SRPPP 250cm (Painted Collar) HD	13.84	FRPP15025030P
SRPPP 300cm (Painted Collar) HD	15.96	FRPP17030030P
SRPPP 350cm (Painted Collar) HD	17.62	FRPP20035030P
SRPPP 400cm (Painted Collar) HD	19.30	FRPP25040030P
SRPPP 450cm (Painted Collar) HD	21.42	FRPP25045030P
SRPPP 500cm (Painted Collar) HD	23.09	FRPP30050030P
SRPPP 550cm (Painted Collar) HD	24.77	FRPP35055030P
SRPPP 600cm (Painted Collar) HD	26.44	FRPP40060030P
SRPPP 150cm (E/P Collar) HD	10.09	FRPP10015030E
SRPPP 200cm (E/P Collar) HD	12.21	FRPP12020030E
SRPPP 250cm (E/P Collar) HD	13.84	FRPP15025030E
SRPPP 300cm (E/P Collar) HD	15.96	FRPP17030030E
SRPPP 350cm (E/P Collar) HD	17.62	FRPP20035030E
SRPPP 400cm (E/P Collar) HD	19.30	FRPP25040030E
SRPPP 450cm (E/P Collar) HD	21.42	FRPP25045030E
SRPPP 500cm (E/P Collar) HD	23.09	FRPP30050030E
SRPPP 550cm (E/P Collar) HD	24.77	FRPP35055030E
SRPPP 600cm (E/P Collar) HD	26.44	FRPP40060030E

**Super Heavy Duty Rocking Push-Pull Prop (SHDRPPP)**

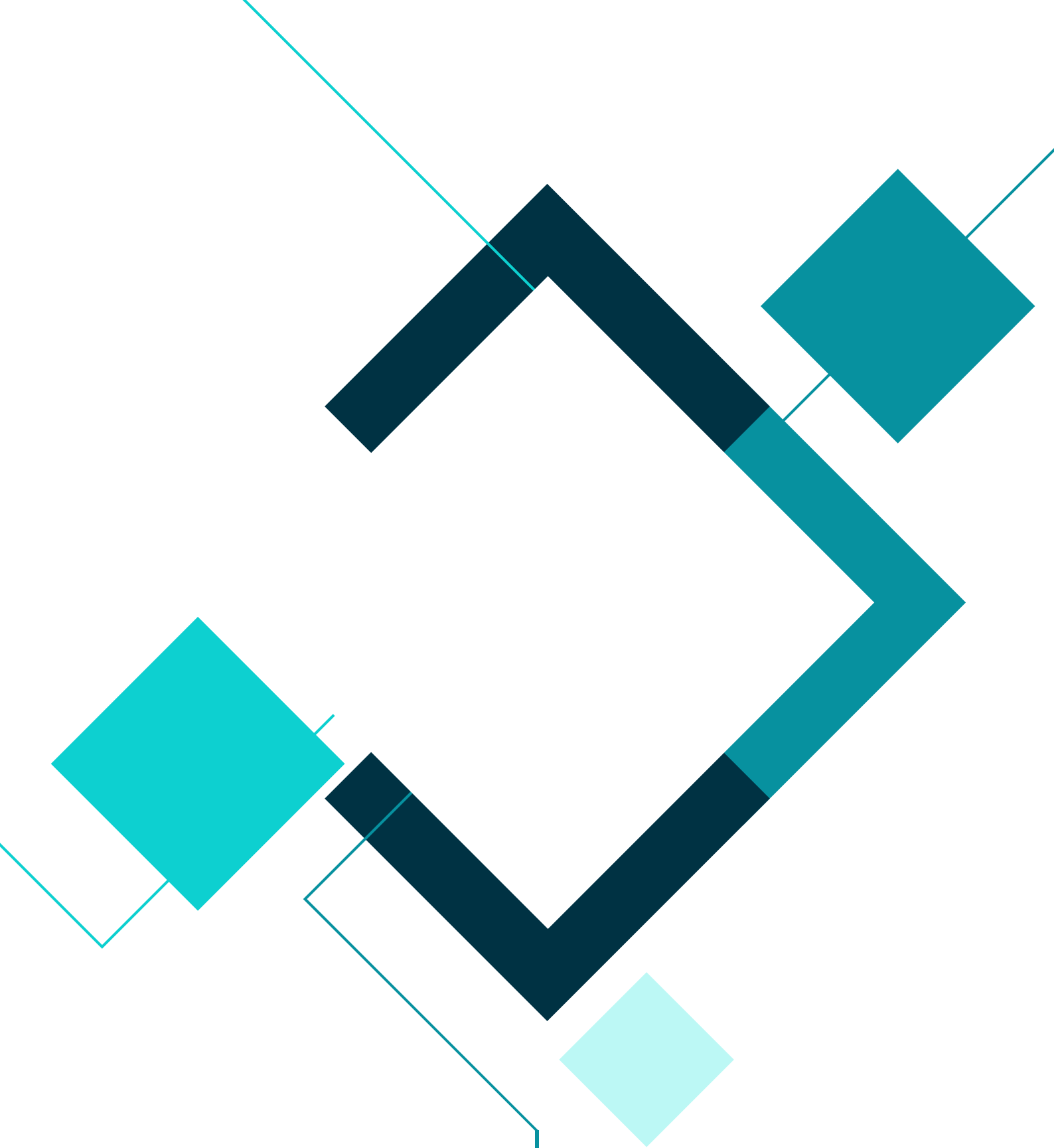


(OT:76.3 mm, IT:60.3)

SHDRPPP (2.0M) Painted (130 cm-200cm)	22.86	FSHPR13020030P
SHDRPPP (2.0M) EP Collar (130 cm-200cm)	22.86	FSHPR13020030E
SHDRPPP (2.0M) Fully EP (130 cm-200cm)	22.86	FSHPR13020030FE
SHDRPPP (3.5M) EP Collar (205 cm-360cm)	27.25	FSHPR20536030E
SHDRPPP (3.5M) Fully EP (205 cm-360cm)	27.25	FSHPR20536030FE

Wt. (kg) Code

Wt. (kg) Code



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