



**CONCRETE DISTRIBUTORS**  
with  
HYDRAULIC BOOM

**B**  
Series  
B 308  
B 212  
B 312  
B 15  
B 17  
B 18  
B 21



## User Friendly



Remote Control

Ultra Light design hydraulic placing booms are made of High Strength Steel which provides long life, light weight and practical use. Distribution area / weight-feet clearance rates are unbeatable. Optimization in the design is to maximize the practicability. Therefore the users describe the equipment as "job-site friendly equipment".

## Heavy-Duty Slew Gear

All Atabey B-Series concrete placers has heavy-duty slew gears integral with reducer gear-box. The system is much more reliable as compared to generally used worm-gear reducers. Although worm gear reducers are sufficiently strong against pre-determined loads, they are weak against small accidental hits of the boom end. (that can somehow happen in construction job-sites)



## Modular Construction With Detachable Boom Unit

Single-pin split-frame system; easy to handle and transport; user-friendly solution for tower crane capacity limitations.



## B Series / General Features



### Emergency Hand Pump

Emergency hand pumps are standard on all Atabey B-Series placing booms never stop concrete pouring; even in case of power cut, concrete placing can be finished by manual hand pump. No "cold-joints" with Atabey placers.

### Infinite Rotation System With Slip-Ring Mechanism

There is no any limit of turning during operation. One of the considerations during positioning of conventional spider booms is to plan starting angle position in convenience with pouring steps. Even if the spider boom has 360° total slew turnability, that is not perfect. People frequently try to push further with end-hose at the slew turn limits in order not to wait for a complete reverse turn. With Atabey, there is no such a limit: easy, friendly operation.



### Ballast Boxes

Easy start up with Atabey placing booms. Readymade ballast forms supplied with the equipment. No need to construct formwork etc. to obtain ballast weights. It is as easy task as filling the boxes with concrete only!



### Model Names With Respect to "Horizontal Reach" Values

#### 2 Element Model



Model	L
B 212	12 m

#### 3 Element Models



Model	L
B 308	8 m
B 312	12 m
B 15	15 m
B 17	17 m
B 18	18 m
B 21	21 m

## 2 - Element Placing Boom Model

### B 212 / Technical Details & Dimensions & Weights



Assembled Unit  
(Without Ballast)



Main Frame



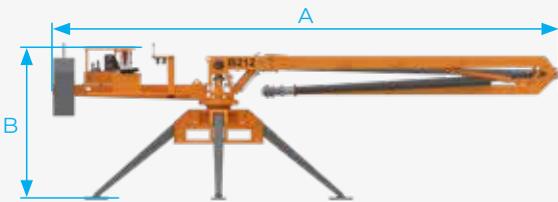
Detached Boom



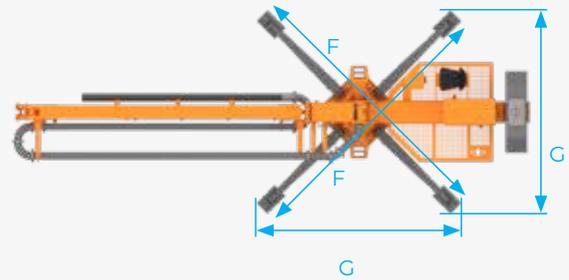
Ballasts



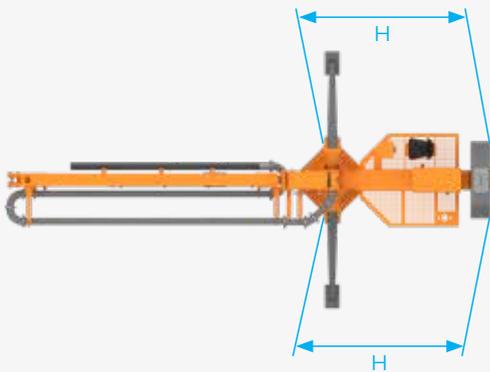
Outriggers



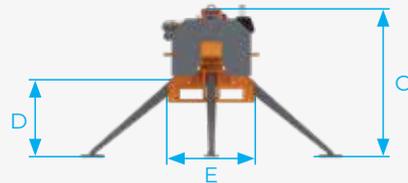
Side View



Top View



Top View



Rear View

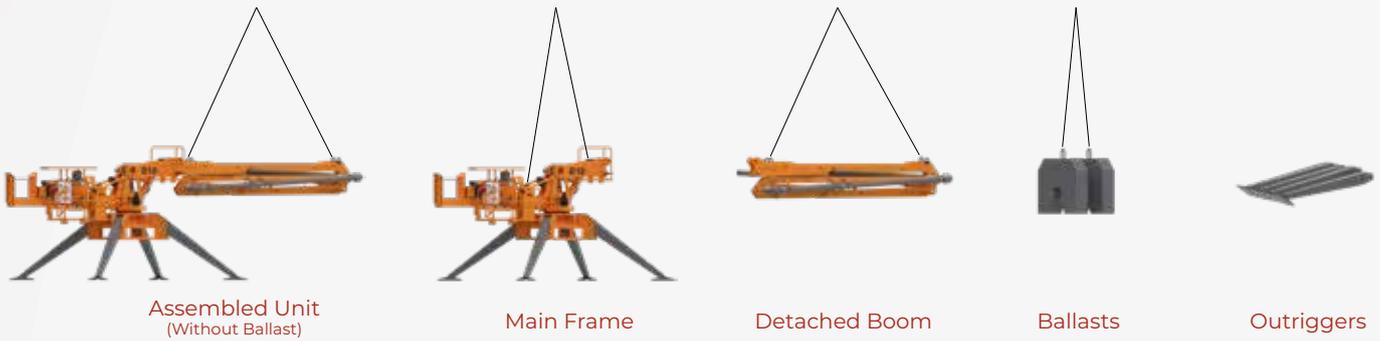
Model	B 212
A	9774 mm
B	2958 mm
C	1878 mm
D	1613 mm
E	1455 mm
F	5187 mm
G	3859 mm
H	3284 mm

Model	B 212
Frame Weight	1310 kg
Detached Boom Weight	900 kg
Machine Weight (Main Frame + Boom)	2210 kg
Ballast Weight	1260 kg

Model	B 212
Distribution Diameter	24 m
Distribution Area	452 m <sup>2</sup>
1. Boom Length	6475 mm
2. Boom Length	5525 mm
End Hose Length	3 m
Hydraulic Pump Engine	3 kW 3 Phase 380-400 V.
Hydraulic Tank Capacity	60 liter
Maximum System Pressure	200 bar
Folded Transport Length	9900 mm
Folded Transport Width	2000 mm
Folded Transport Height	2800 mm

## 3 - Element Placing Boom Models

### B 308, B 312, B 15, B 17, B 18 / Technical Details & Weights



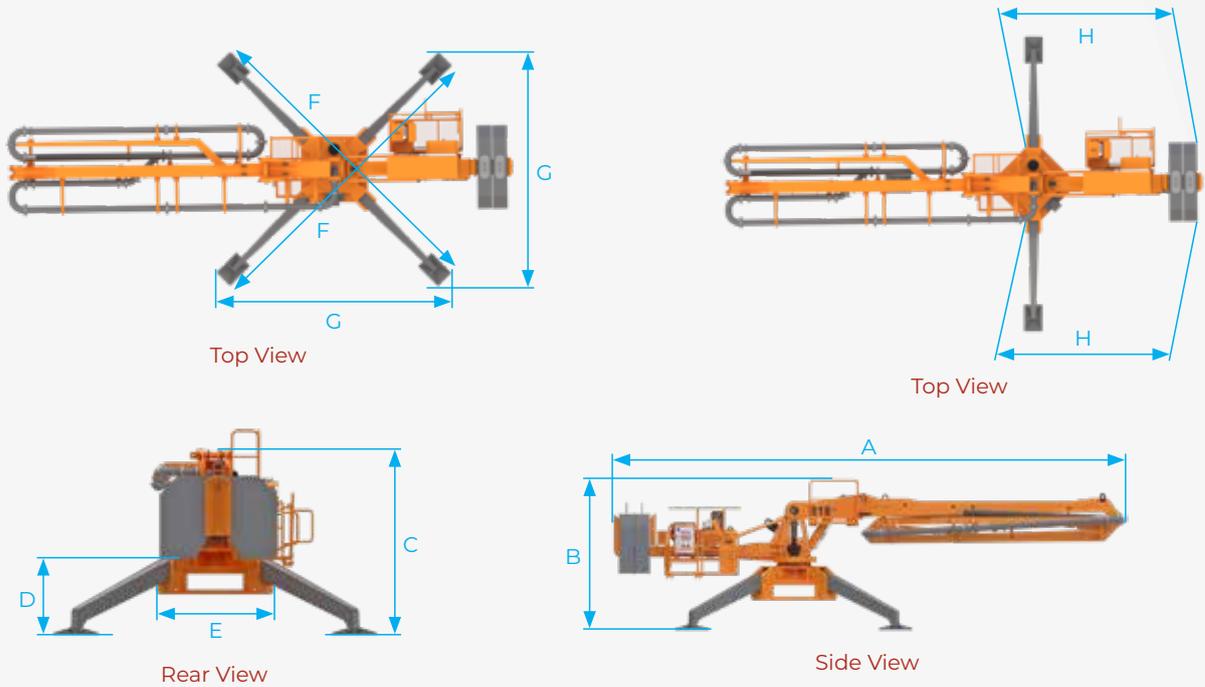
### B 21 / Technical Details & Weights



Models	B 308	B 312	B 15	B 17	B 18	B 21
Frame Weight	<b>Non-detacable</b>	1330 kg	1800 kg	1980 kg	2060 kg	2500 kg
Tail Frame Weight	-----	-----	-----	-----	-----	1000 kg
Detached Boom Weight	<b>Non-detacable</b>	1030 kg	1230 kg	1540 kg	1540 kg	1700 kg
Machine Weight (Main Frame + Boom)	1800 kg	2360 kg	3030 kg	3520 kg	3600 kg	5200 kg
Ballast Weight	800 kg	1500 kg (2 x 750 kg)	2000 kg (2 x 1000 kg)	2600 kg (2 x 1300 kg)	2700 kg (2 x 1350 kg)	3500 kg (2 x 1750 kg)

Models	B 308	B 312	B 15	B 17	B 18	B 21
Distribution Diameter	16 m	24 m	30 m	35 m	36 m	42 m
Distribution Area	201 m <sup>2</sup>	460 m <sup>2</sup>	730 m <sup>2</sup>	962 m <sup>2</sup>	1020 m <sup>2</sup>	1358 m <sup>2</sup>
1. Boom Length	3300 mm	4665 mm	5640 mm	6432 mm	7360 mm	8000 mm
2. Boom Length	2500 mm	3718 mm	4700 mm	5503 mm	5503 mm	6500 mm
3. Boom Length	2200 mm	3178 mm	4700 mm	5237 mm	5237 mm	6145 mm
End Hose Length	3 m	3 m	3 m	3 m	3 m	3 m
Hydraulic Pump Drive	3 kW 3 Phase 380-400 V.	3 kW 3 Phase 380-400 V.	5.5 kW 3 Phase 380-400 V.	7.5 kW 3 Phase 380-400 V.	7.5 kW 3 Phase 380-400 V.	7,5 kW 3 Phase 380-400 V.
Hydraulic Tank Capacity	60 liter	60 liter	60 liter	80 liter	80 liter	80 liter
Maximum System Pressure	200 bar	200 bar	200 bar	200 bar	200 bar	300 bar
Folded Transport Length	5960 mm	8100 mm	9450 mm	10250 mm	11180 mm	12250 mm
Folded Transport Width	1900 mm	2050 mm	2000 mm	2050 mm	2050 mm	2250 mm
Folded Transport Height	1700 mm	2800 mm	3220 mm	3300 mm	3300 mm	3650 mm

## B 308, B 312, B 15, B 17, B 18, B 21 / Dimensions



Models	B 308	B 312	B 15	B 17	B 18	B 21
A	5960 mm	8016 mm	9365 mm	10130 mm	10760 mm	12250 mm
B	2400 mm	2958 mm	3289 mm	3428 mm	3428 mm	3810 mm
C	1710 mm	1878 mm	2359 mm	2346 mm	2346 mm	2450 mm
D	1050 mm	1613 mm	1750 mm	1500 mm	1500 mm	2060 mm
E	1730 mm	1455 mm	1684 mm	1793 mm	1793 mm	2025 mm
F	3310 mm	5187 mm	6142 mm	6590 mm	6590 mm	7190 mm
G	2350 mm	3859 mm	4616 mm	4908 mm	4908 mm	5090 mm
H	2360 mm	3273 mm	3398 mm	3499 mm	3598 mm	3800 mm

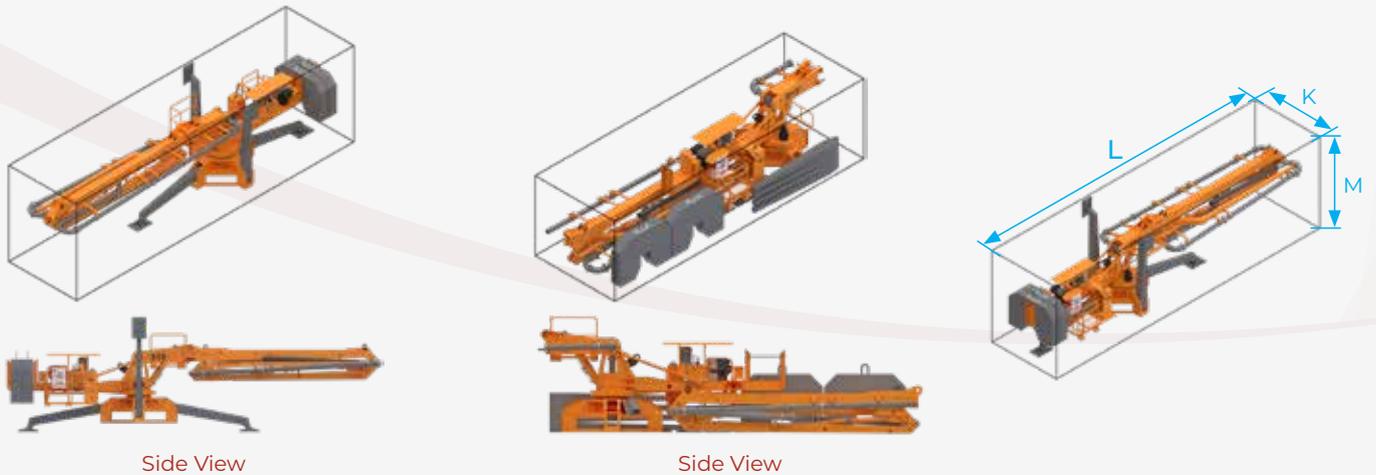
## Shipping Dimensions

### Alternative - 1

Assembled Unit (With Empty Ballast Boxes)

### Alternative - 2

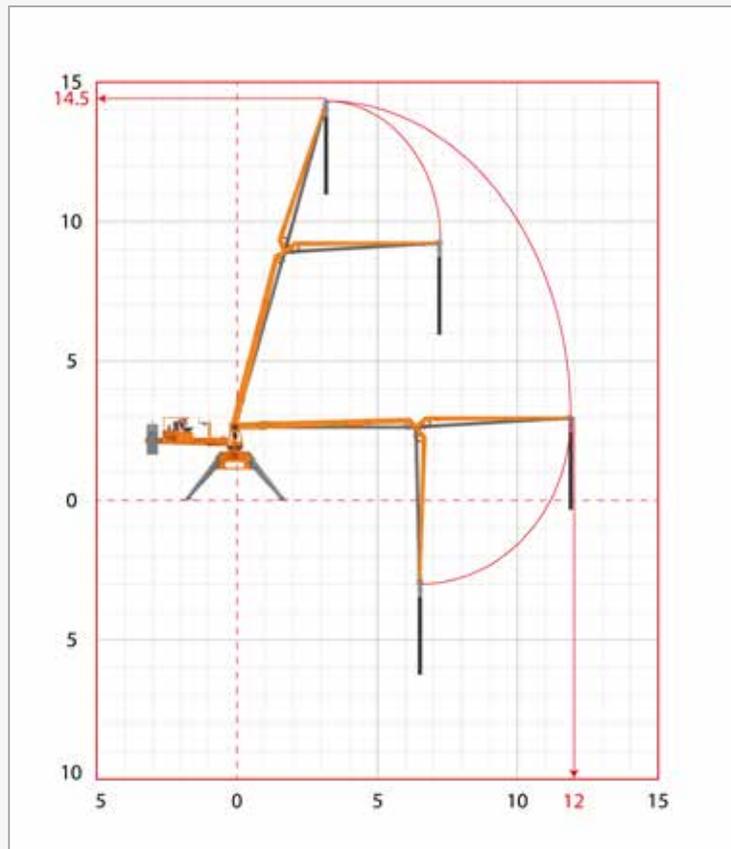
Shipping B 18 As The Boom Unit Is Detached (With Empty Ballast Boxes)



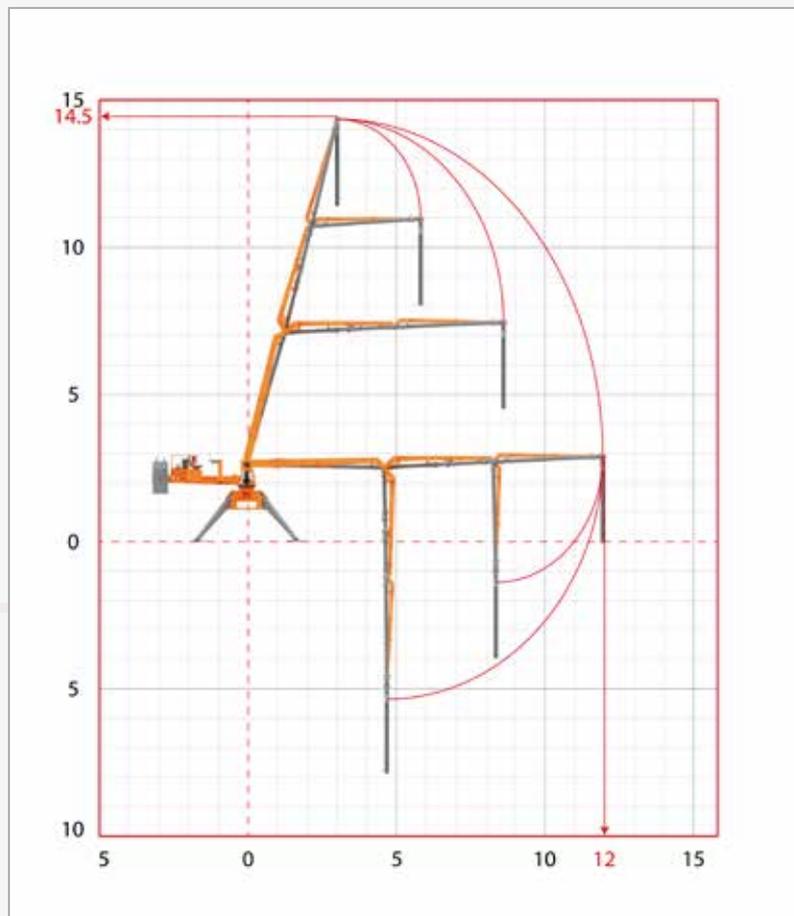
Models	B 308	B 212	B 312	B 15	B 17	B 18	B 21
K	1750 mm	2000 mm	2050 mm	2000 mm	2050 mm	2050 mm	2400 mm
L	6000 mm	9900 mm	8100 mm	9450 mm	10250 mm	10900 mm	11800 mm
M	2450 mm	2800 mm	2800 mm	3220 mm	3300 mm	3300 mm	3400 mm

# B 212, B 312 / Boom Reach Diagrams

## B 212

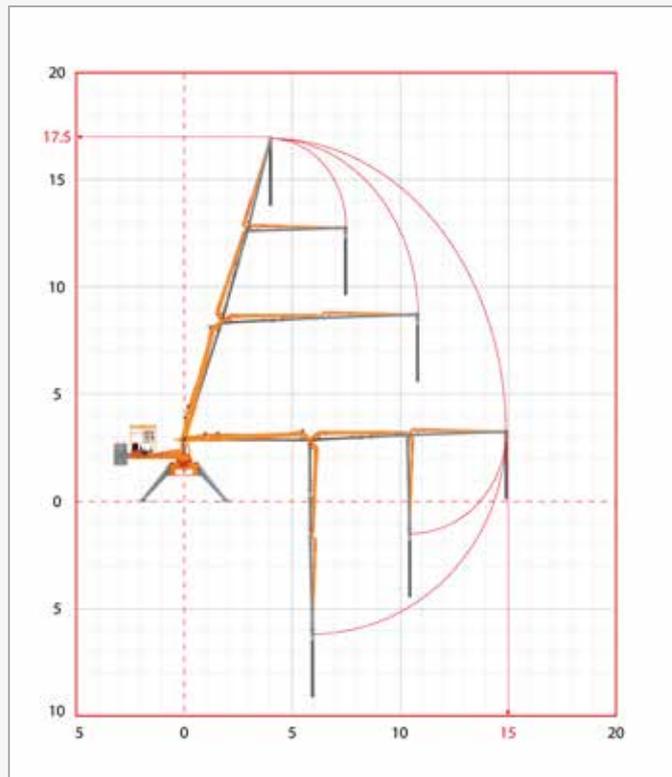


## B 312

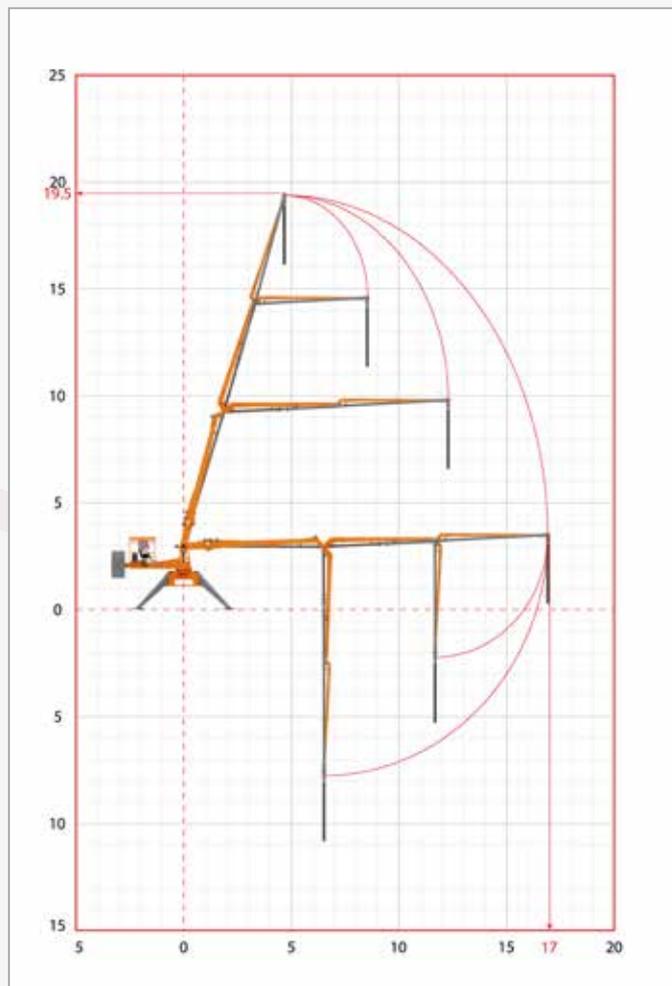


## B 15, B 17 / Boom Reach Diagrams

B 15

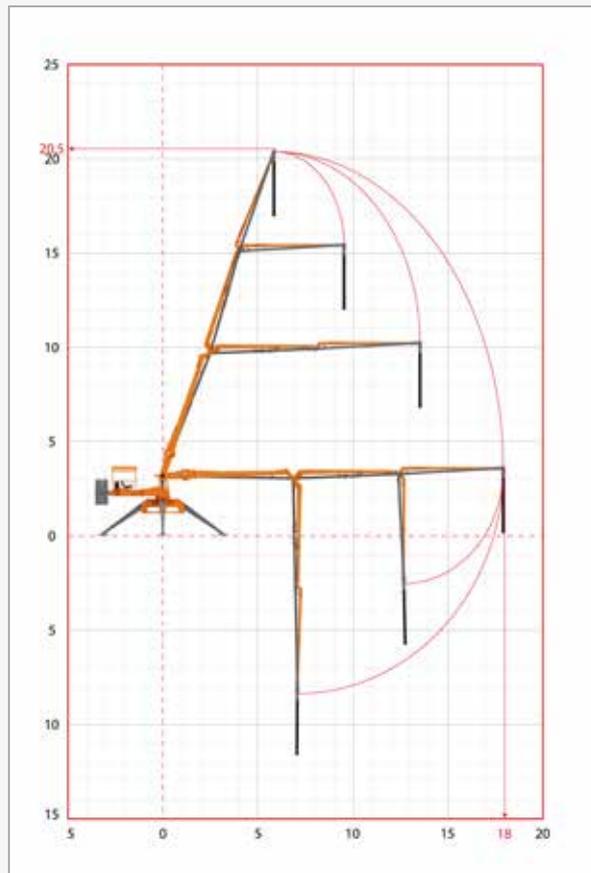


B 17

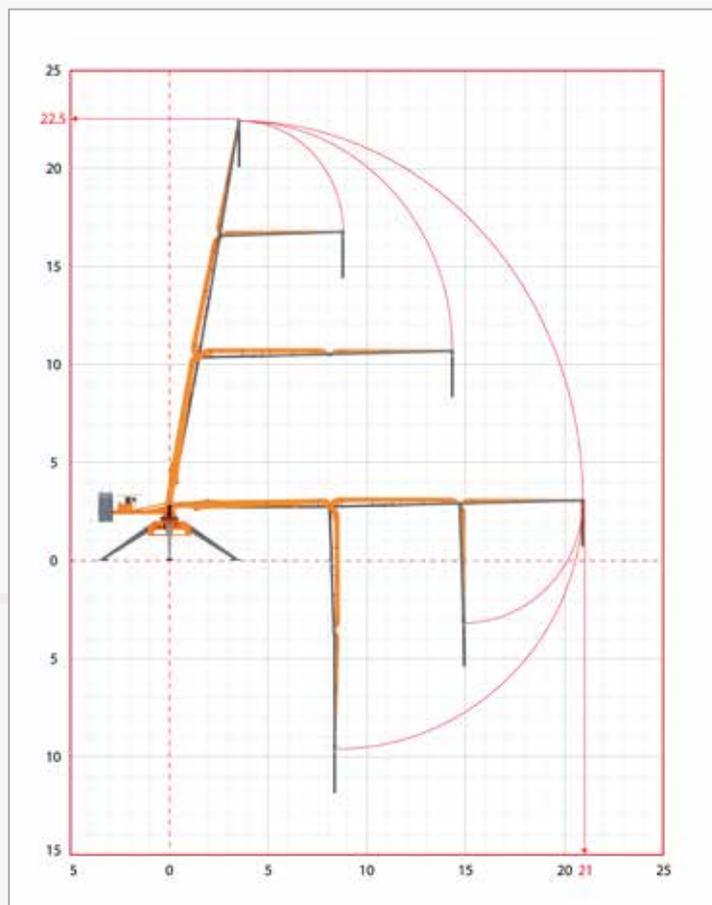


## B 18, B 21 / Boom Reach Diagrams

B 18



B 21



## B Series / 4-Wheel Carriage Options

- With or without traction
- Hydraulic outriggers
- Remote control for self-travel & steering



K<sub>1</sub> - B 308, Striker

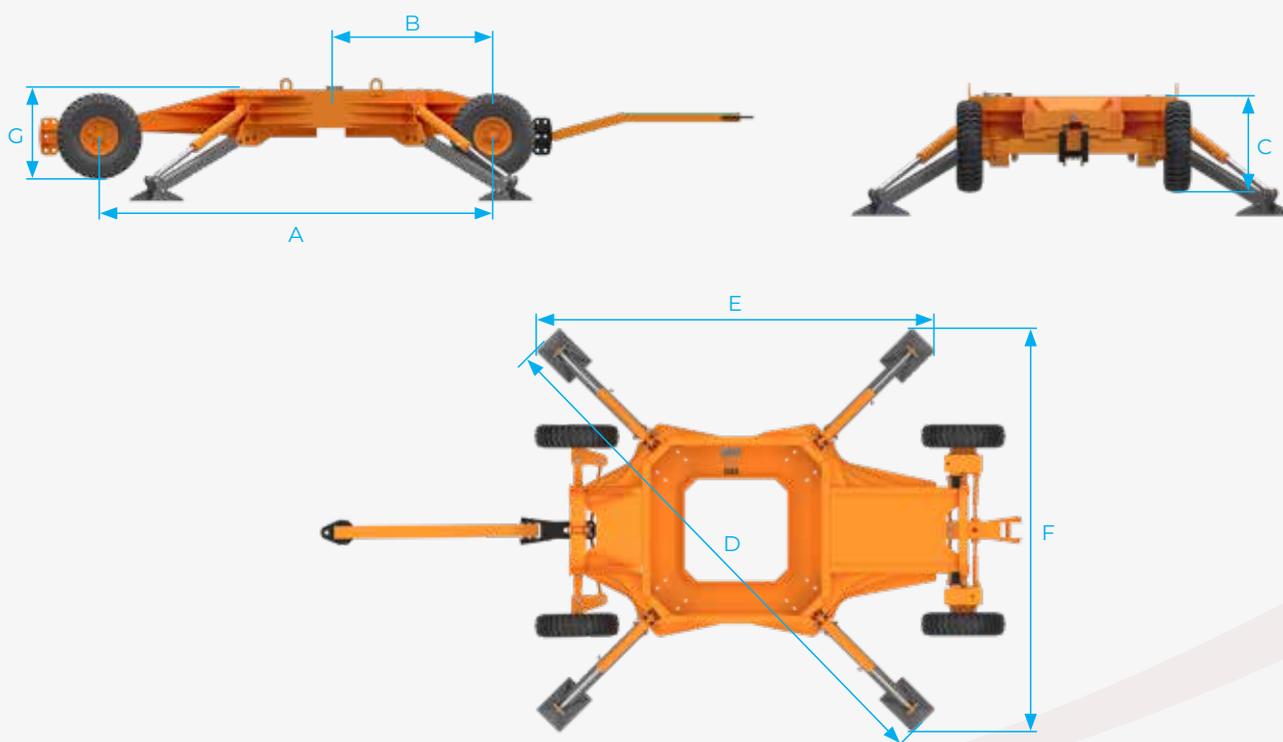
K<sub>2</sub> - B 212, B 312

K<sub>3</sub> - B 15, B 17, B 18

K<sub>4</sub> - B21



## B Series / 4-Wheel Carriage Options



Models	A	B	C	D	E	F	G	K	KW <sub>2</sub>	KW <sub>4</sub>
K <sub>1</sub>	3820 mm	2297 mm	828 mm	5030 mm	3897 mm	3168 mm	1159 mm	1200 kg	1285 kg	1365 kg
K <sub>2</sub>	3780 mm	2327 mm	930 mm	4978 mm	3878 mm	3139 mm	1159 mm	1950 kg	2050 kg	2130 kg
K <sub>3</sub>	4128 mm	2431 mm	910 mm	5885 mm	4419 mm	3881 mm	1180 mm	2250 kg	2360 kg	2480 kg
K <sub>4</sub>	4705 mm	2720 mm	910 mm	5730 mm 6617 mm	4321 mm 4887 mm	3767 mm 4400 mm	1180 mm 1180 mm	2550 kg	2670 kg Short Outriggers	2790 kg Standard Outriggers

## B Series / Elevation Tower Options



Standart Outriggers  
(Freestanding)



Short-Outriggers with  
Ballast Weights  
(Freestanding)



Tower Base  
Anchored to Deck  
(Anchored)

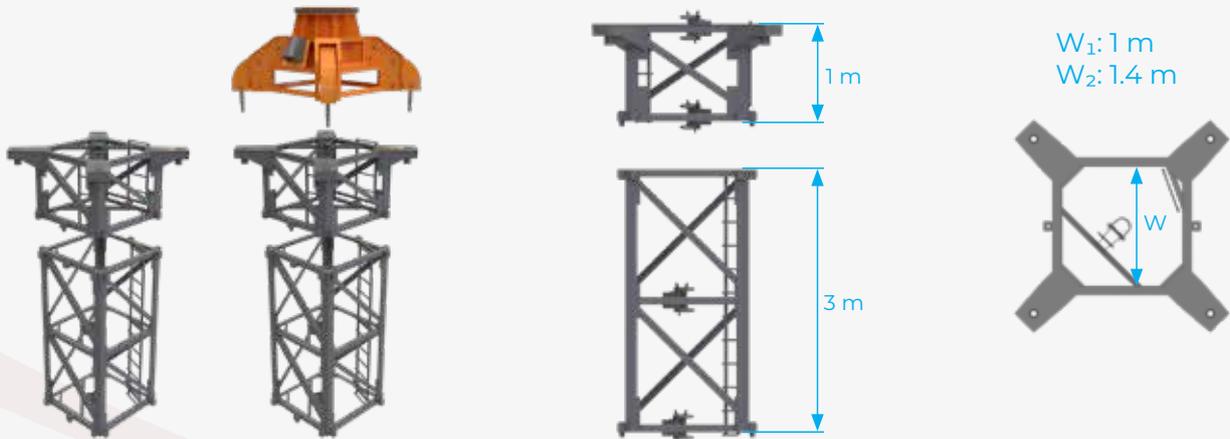
### Connection Outriggers To Tower Upper Frame



Set Of Connection  
Outriggers (4 PCS)

Despite their lighter weights, Atabey “B-Series Spider Booms” have robust structure and long lasting operational life. The “heavy-duty slew gear” is standard on all models.

### Seperate Column Unit-Upper Frame

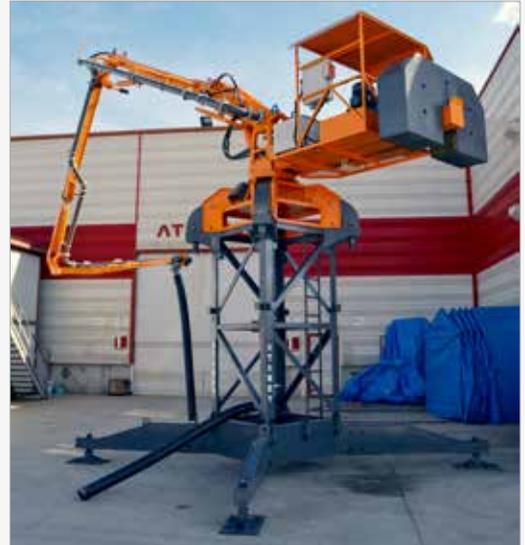


### Combined Column Unit-Upper Frame

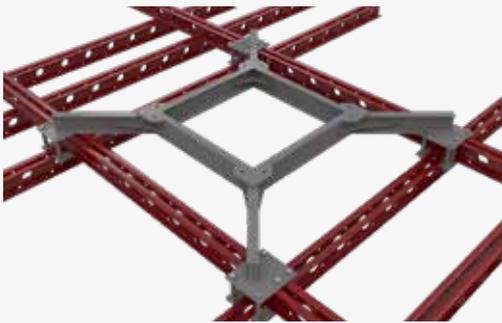


## B Series / Lower Frame Options

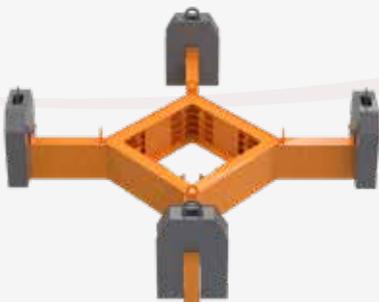
Base Frame Unit With Standard Outriggers



Base-Frame For Slip-Form Rig Connection



Base Frame With Short Outrigger And Ballasts



## B Series / Accessories



**Hydraulic Diversion Valves**  
(with hand pump and/or  
external hydraulic line connection)



**Power Packs for Diversion Valves**  
(electric or diesel driven)

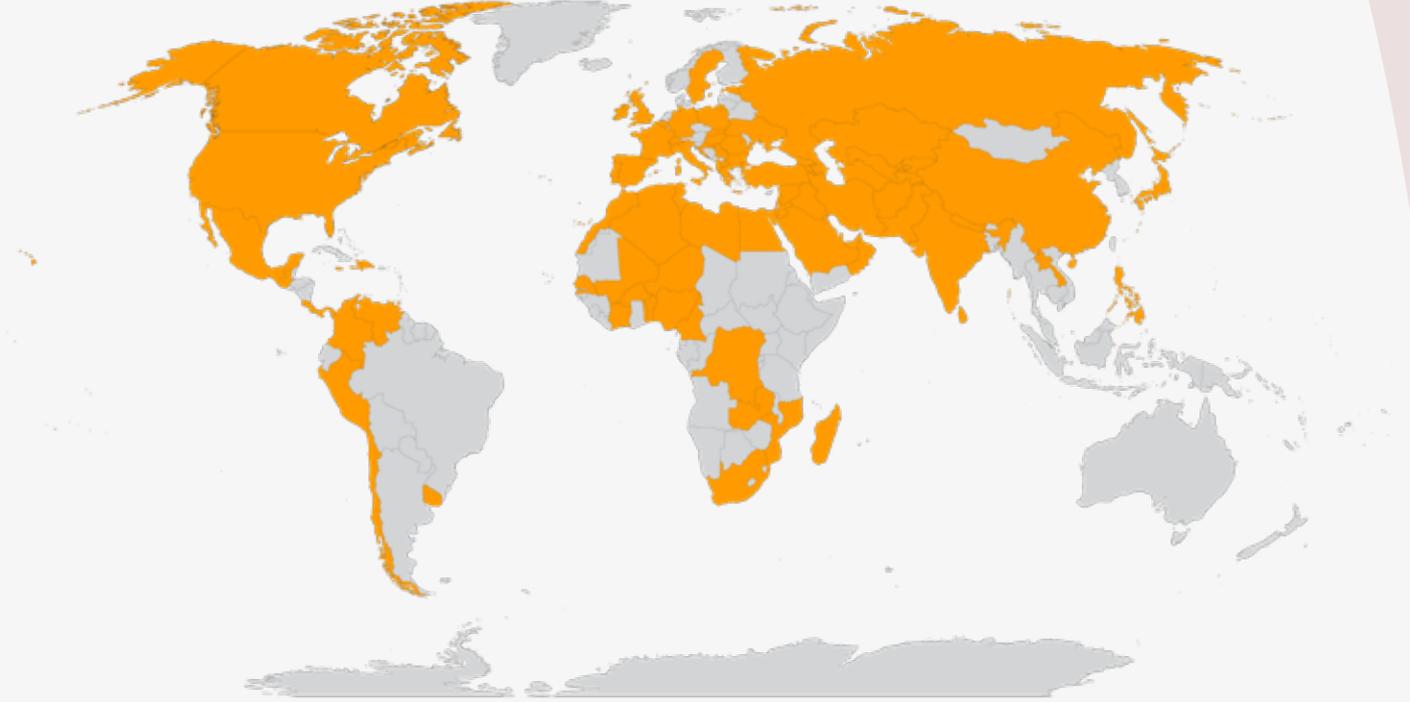


**Pipeline Scissors**  
(slip-form pipeline connection)





Atabey; Common language of concrete  
placer's in more than 80 countries



/AtabeyBetonMakinalari



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atabey construction equipment



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