

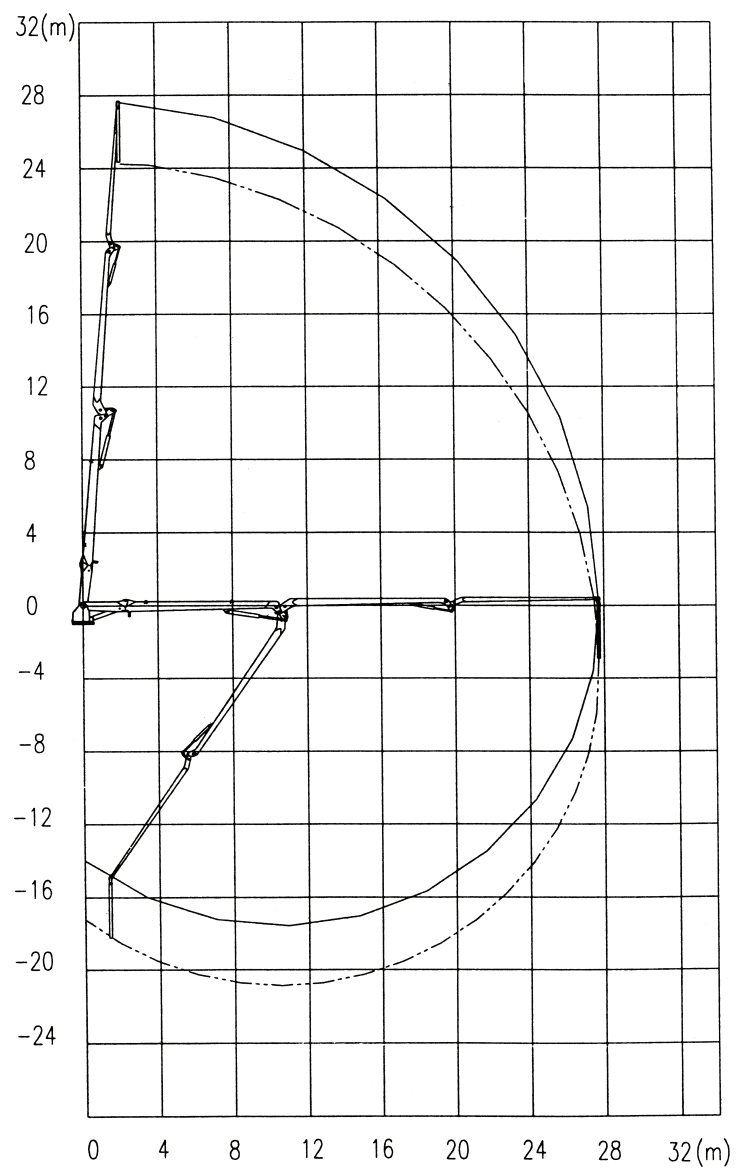
CALLAGHAN

Model 32/28/125

Concrete Placing Boom From Australia

Working Range

Working Range



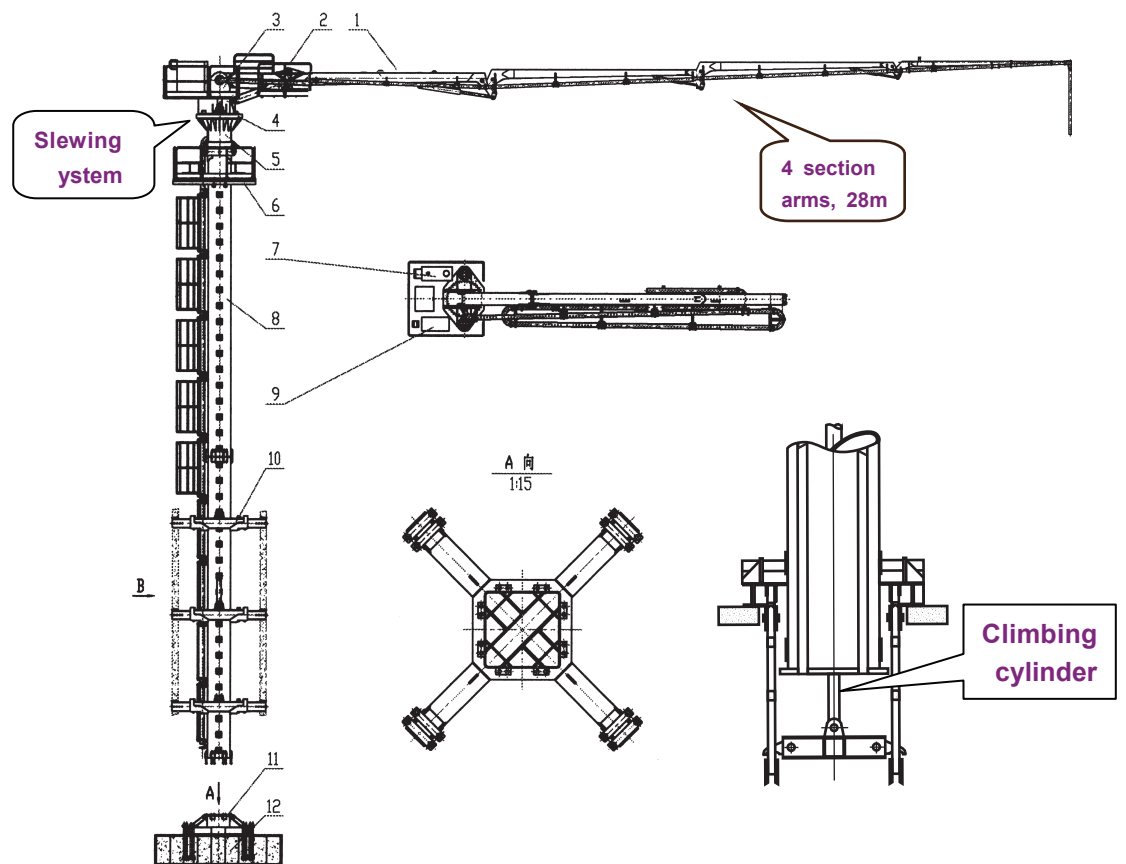
Main Components

1. Main components:

- *Boom assembly,
- *Platform of boom,
- *Swivel table,
- *Slewing ring support,
- *Hydraulic control system,
- *Tubular column assembly,

- *Electrical system,
- *Climbing device,
- *Cruciform base template,
- *Lower-support
- *Working platform

Detail as the scope of supply.



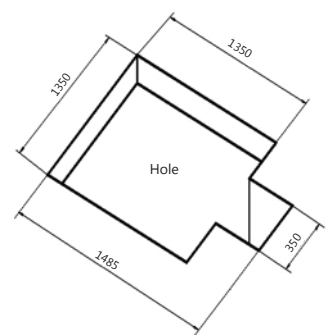
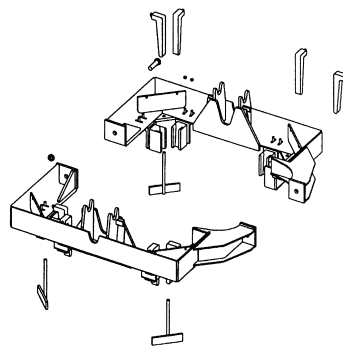
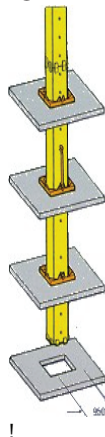
Main Components

No.	Component	Remark
1	Boom assembly	Includes 4 arms, hydraulic cylinder and four-bar linkage. The big arm is divided into two segments. The root of the big arm is connected with the swivel table
2	Platform of boom	
3	Swivel table	Specially designed working platform where hydraulic pump and electrical control cabinet are set on.
4	Slewing ring support	
5	Lower-support	
6	Working platform	
7	Hydraulic control system	Includes hydraulic pump, manifold valve block , all kinds of valves, hoses and steel pipes.
8	Tubular column assembly	Tubular column assembly is divided into upper-tubular column and lower- tubular column. The working platform is fixed on the upper-tubular section.
9	Electrical system	Mainly includes electrical control cabinet, operating device, and main power cable and sword-switch box.
10	Climbing device	The climbing device mainly is made up of 3 sets of climbing frames, 1 hydraulic cylinder and 2 long pins.
11	Cruciform base template	
12	Concrete foundation	

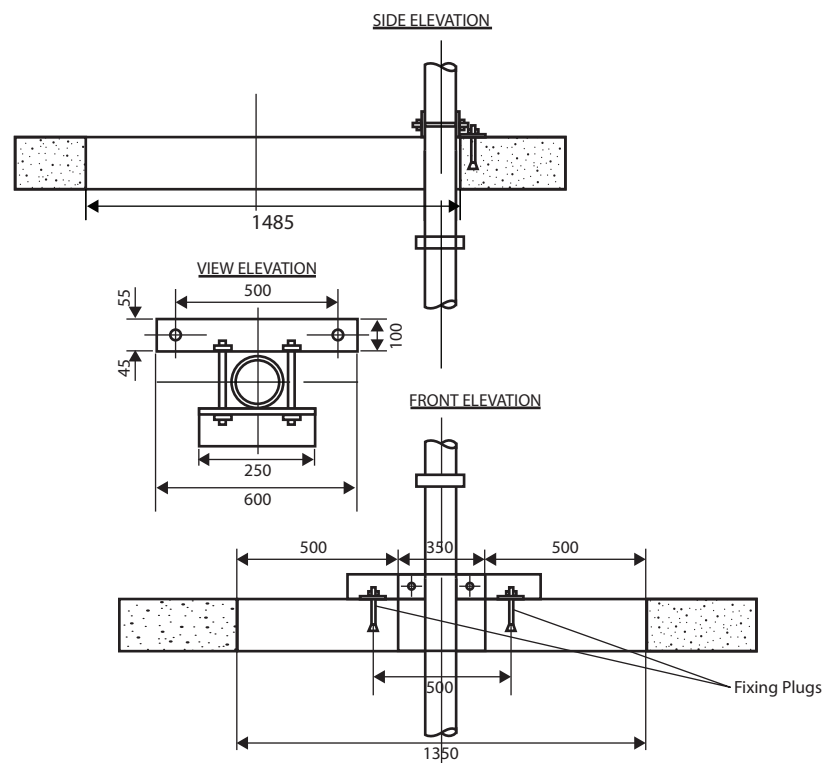
Parameters

Model		TB 32/28/125/4
Delivery pipe dimension (outside diameter ×thickness) JJ83 (mm)		∅133×4.5
Delivery hose dimension (inside diameter ×length) (mm)		5"×3000
Radius of placing boom(m)		28
Stationary height(to the join between the end of the boom and Swivel table) (m)		18
Three hydraulic foldable arms (m)	1st section	10.5
	2nd section	9.2
	3rd section	8.0
Boom articulation(°)	1st section	0~86
	2nd section	0~180
	3rd section	0~180
Slewing range(°)		360
Power of motor(KW)		11
Pressure of hydraulic system (MPa)		28
Type of hydraulic oil		ESSO NUTO H46/H32
Interval of climbing frame	climbing	3.0 ~4.2
	Placing concrete/resting	6.0 ~8.4
Mode of operation		Cable Remote Control
Power		380V/50Hz
Wind speed km/h	Placing concrete	≤13.8m/s
	Climbing	≤7.9m/s
Working temperature (°C)		-20°C ~ 48°C

Inner Climbing

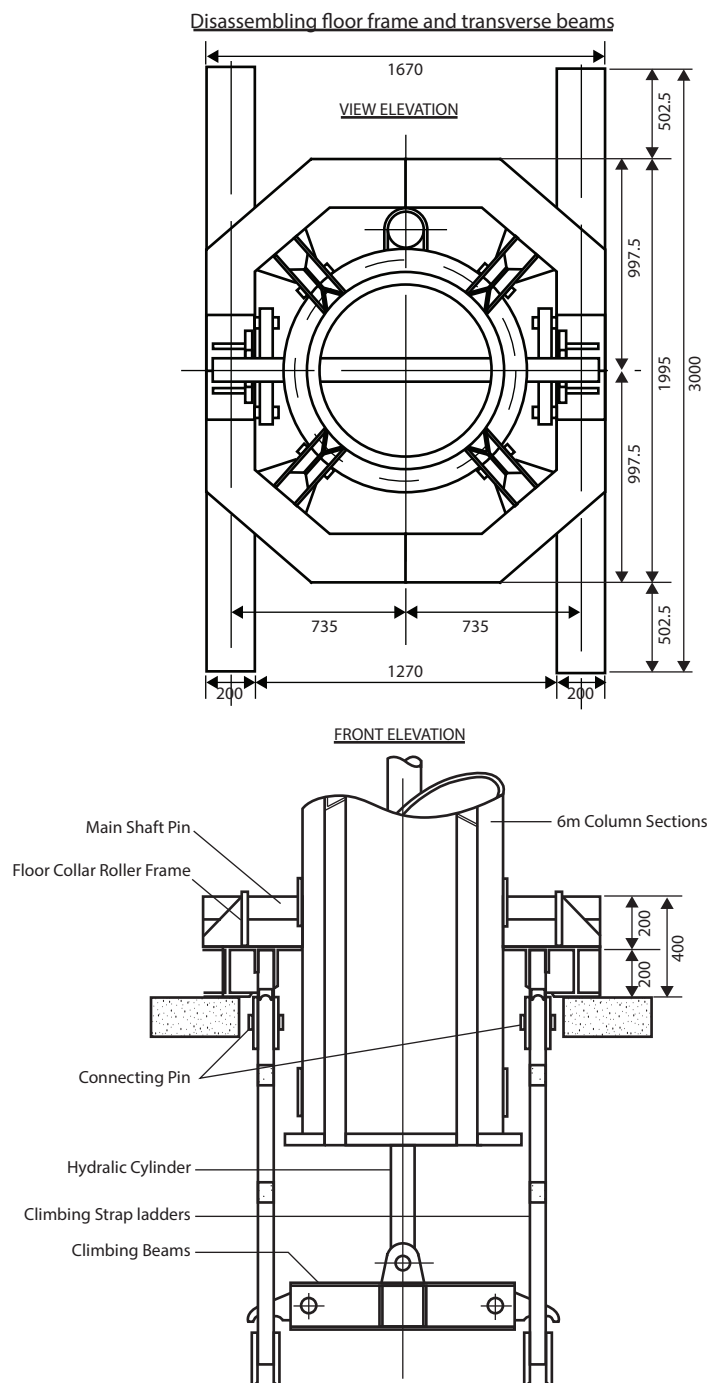


Floor Opening & Concrete Pipe Layout



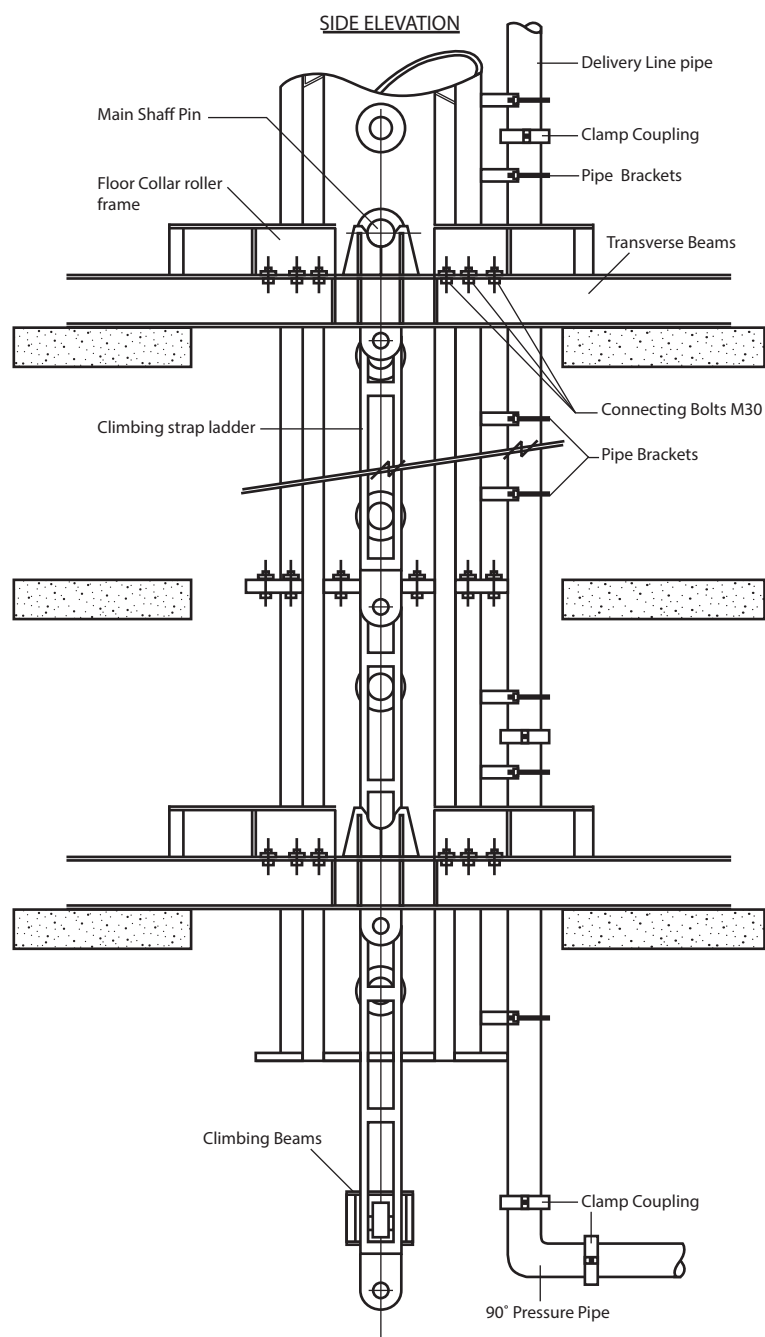
The Climbing System

Inside Elevator Shaft



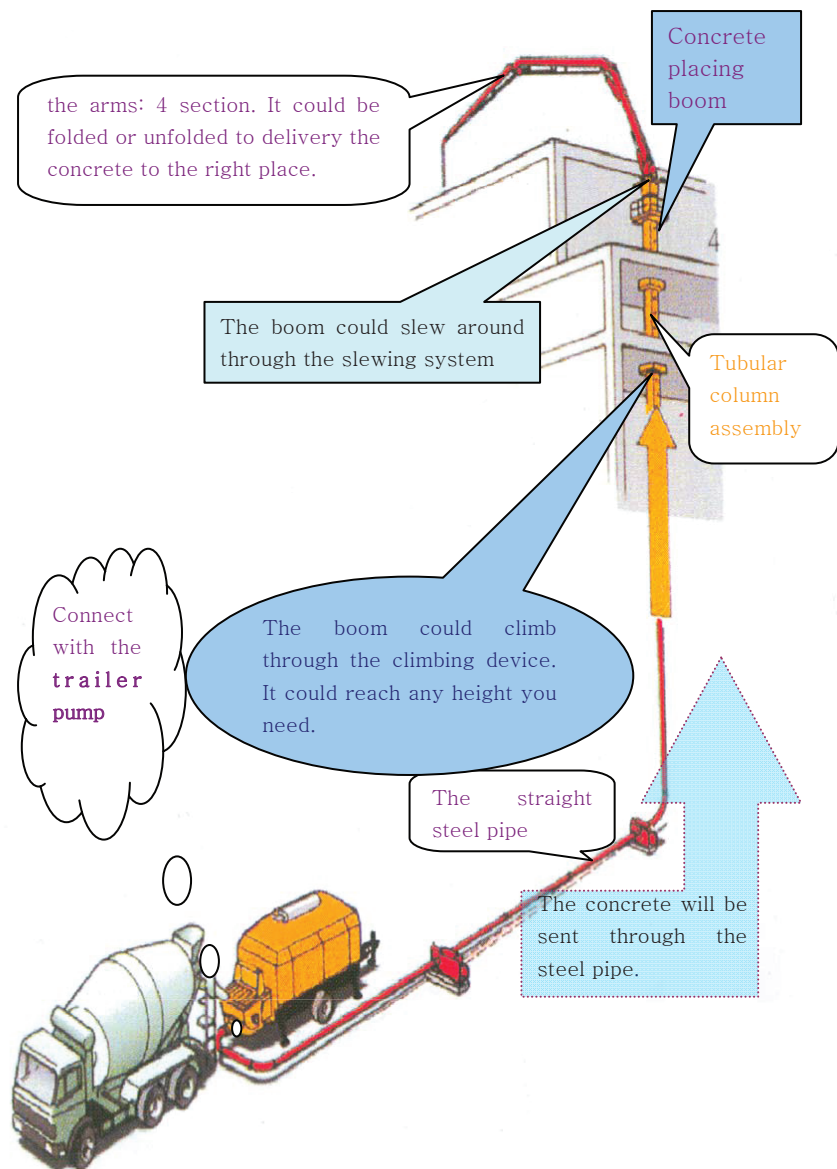
The Climbing System

Climbing Cylinder



The Working Introduction

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Concrete placing boom is used for placing concrete. Show as the sketch map, the concrete will be sent through the steel pipe. It could reach the right position in your building by using the boom. It also could send the concrete to any height by the climb system if there is a suitable concrete pump.

Project Case

Project in Australia

