



WEI D75 Slant



WEI D50 Slant



WEI Duplex Pump 7 1/2" x 7"

WEI S.r.l. produce impianti di perforazione con capacità da 5 a 350 Ton per ricerca idrica, mineraria e petrolifera. Inoltre offre una vasta gamma di attrezzature ausiliarie delle quali Pompe Duplex, preventer rotanti, vibrovagli, circuiti fango, motopompe, tavole rotary, teste di adduzione, teste motrici, taglie, ganci, elevatori, attrezzature flangiata e parti di ricambio su disegno del cliente. Siamo inoltre in grado di eseguire manutenzione, riparazione, modifiche ed adattamenti a strutture preesistenti.

*WEI S.r.l. manufactures hydraulically operated Drilling Rigs for water and oil research from 5 to 350 Ton capacity.*

*WEI S.r.l manufactures all equipment for oil drilling such as duplex pump, rotating drilling heads, shale shaker, mud circuits, motor pump, rotary tables, rotary swivels, power swivels, blocks, elevators, spools and spares customizable on request.*

*We can also assure professional maintenance, fixing, adaptation and any changes to all sort of equipment.*



WEI DS 100



**ELEVATORI AUTOMATICI  
AUTOMATIC PIPE ELEVATORS  
FOR DRILL PIPE 2 3/8" ÷ 5"  
FOR CASING 5 1/2" ÷ 20"**



WEI Elevator 340T



WEI Elevator 272T



WEI Elevator 50T

WEI's Hydraulic Elevator model is a patented product designed and made by WEI, composed by external body with inside tapered surface with expandable die tongs and centering pipe ring, rotating device mounted on bearing with lubrication system. Scope of work: it is very useful during tripping operation to avoid to screw/unscrew the DP and CSG for every connections.

This operation is done by two hydraulic cylinders that in closing position move inner inserts to the pipe already in the Elevator and catch it. By opening the two cylinders, the DP or CSG is released. It is safe and it saves time. A light in the Elevator Control Panel advises the operator if the Elevator has caught or not the pipe.

Application: WEI Elevator is not only for WEI Drilling Rig. It can easily be connected with other Top Drive brand only by a connection with saver sub API style.

Safety: No people is needed on the drill floor during the complete operation

Models available:  
WEI Hydraulic Elevator for Drill Pipe and Tubing from 2 3/8" to 5";  
WEI Hydraulic Elevator for Casing from 5 1/2" to 13 3/8";  
WEI Hydraulic Elevator for Casing from 16" to 20";  
WEI Hydraulic Drilling Elevator for Casing from 5 1/2" to 13 3/8";  
WEI Hydraulic Drilling Elevator for Casing from 16" to 20".

Quality: Made as per API Rules with the best material from USA and Europe.

Maintenance: all inserts for every sizes are made as per API rules.

Load capacity: models available from 20 Ton to 350 Ton.



Packer 13 3/8" and saver sub



Packer for CSG circulation

## WEI ELEVATOR

For Drill Pipe 2 3/8" ÷ 5"

For Casing 5 1/2" ÷ 13 3/8"

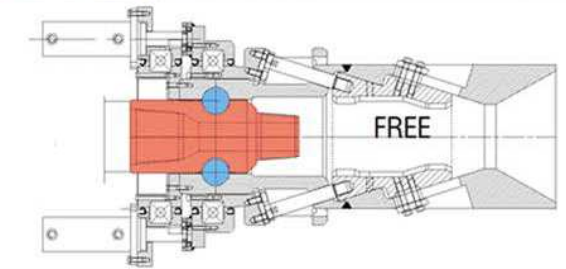
For Casjna 16" ÷ 20"

WEI Elevator working phase is the same as per Drill Pipe, Drill Collar, Casing, Model

### Phase 1

Connection to the Top Drive

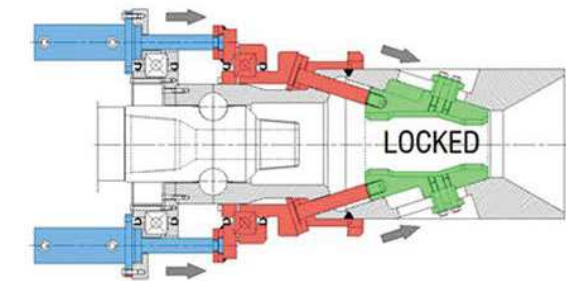
- You need to connect WEI Elevator to The Top Drive.  
*How?*  
Connect the Elevator to the special saver sub by two inserts to the Top Drive



### Phase 2

Unload DP, DC, CSG

- Once the Elevator has received the pipe, you need to run in closing position the two cylinders with inserts.  
*How?*  
Only by pushing one button, on the Control Panel.  
Once the pipe has been caught, by the Elevator, a green light will be on.



### Phase 3

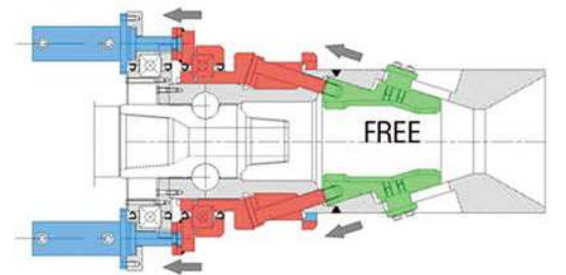
Connection to the Drill string

- You need to proceed to Tripping Phase  
*How?*  
Connect your pipe to the down female.  
Use the Power Tong to screw the two pipes

### Phase 4

Release the pipe from the Elevator

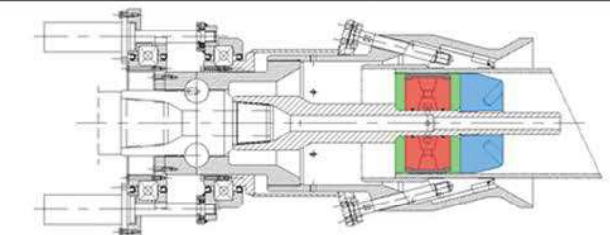
- You need to release the pipe from the Elevator, you need to run in open position the two cylinders with inserts  
*How?*  
Only by pushing one button, on the Control Panel.  
Once the pipe has been released by the Elevator, a light on the Control Panel will be off.



### OPTION

Insert Packer

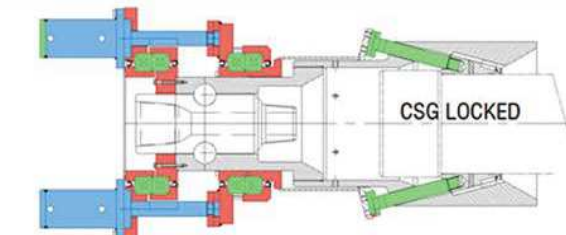
- You need to insert a packer to have a Mud circulation through WEI Elevator.  
*How it works?*  
Mud create a Delta Pressure that helps the swelling of the Packer. This operation permit to circulate mud into the Casing String and avoid that mud comes back dangerously to the surface.



### OPTION

CASING DRILLING Elevator

The WEI Elevator can be also for Drilling!  
It can guarantee the same Torque and rpm as the Top Drive.



### BENEFIT

- ✓ **Safety:** - The pipe is under the force of two cylinders and inserts, a light advise you if the pipe is caught or not
- ✓ - No people is needed on the drill floor during the complete operation
- ✓ **Time saved:** No need to screw and unscrew the pipe during tripping phase, as usually happened with Top Drive without WEI Elevator
- ✓ **Reliability:** WEI Elevator can be easily integrated with other Top Drive brands.