



The equipment is to be installed on vehicle chassis with four axles. The configurations and performances are tied up to the type of chassis.

The equipment is composed by the following main groups :

- sub-frame
- rear stabilisers
- extensible crane boom
- lifting fork
- recovery winch
- hydraulic device
- electric device
- controls
- side compartments for tools
- accessories



1. SUB-FRAME

Made of high tensile steel. It is fixed to the original frame of the chassis according to the specifications of the chassis manufacturer. On the sub-frame all the groups of the equipment are laid.

2. STABILISERS

Have the double function to secure the stability of the equipment during the recovery/rescue and react to the pulls of the winches using these as reaction rafters.

3. CRANE BOOM

Telescopic type with one extension . It is manufactured with high tensile profiles. At the end of the booms (fix & telescopic) are applied two swivelling pulley blocks for the cables transmission of the two winches anchored on the fix boom. The inclination and the extension are obtained by means of double acting hydraulic jacks

4. LIFTING FORK

Telescopic type with two extension. It is manufactured with high tensile steel profiles. It allows when extended, the towing with front axle lifted up of any sort of chassis by means of the outfits supplied. The movement is completely hydraulic.

5. WINCHES

Applied on the fix boom of the crane, allows by means of suitable transmissions of the cable, the approach or lifting of the chassis to be recovered. These are 15 & 20 t winches. On the drum are applied a suitable cable pressing devices.

6. HYDRAULIC DEVICE

It is fed by a hydraulic axial piston pump applied to the chassis PTO. A proportional distributor deviates the oil in pressure to various elements which move the equipment. On the various groups are fitted locking valves which assure the stability of the complex in case of accidental burst of some hoses. The hydraulic device is equipped with oil filters. A electro hydraulic discharge valve, every time a mushroom push bottom is operated for emergency stop, drains the main hydraulic feed, locking all the movements. Max pressure valves grants the safety and the minimum performances declared .



ISOLI

HDR 200

HEAVY DUTY RECOVERY

Studied specifically to recover/rescue breakdown heavy trucks by means of a boom appropriately equipped and towing of the trucks, with axle lifted up, by a fork.

7. ELECTRIC DEVICE

It assures the power to the main groups and is connected to the chassis batteries and protected by suitable fuses. The electric device allows to operate the equipment in a safety way.

The system is integrated with a light bar, stop lights and working lights

8. CONTROLS

The controls are located on the rear right part of the bodywork. The machine is operated by means of remote controls. This to assure the operator to have the maximum visibility during the rescue operations. While operating the unit, an intermittent buzzer advises the people near operating area to keep a safety distance. In case of emergency, the manoeuvres can be done by means of the levers of the hydraulic lever control station.

9. SIDE COMPARTMENTS FOR TOOLS

Located on the sides of the chassis, allows to stow all the accessories foreseen. Suitable shelves rationalize their dislocation. The lock up is centralised type.

10. STANDARD ACCESSORIES

Remote control

N° 4 couples (different measures) of supports for fork

N° 1 couple anchorage supports on the carriers

N° 2 small fifth wheel for semi-trailers

N° 2 couples of belts to fix tyres on the fork

Towing bar

Front ballast

Swinging floodlights

Operative hour counter

Light bar with revolving lights

Spare wheel carrier

Camera with loudspeaker and viewer inside the chassis cabin

Broom & shovel

2 buckets with cover

hose winder for compressed air

Cable winder for electric lamp

Use & maintenance manual

11. ACCESSORIES AVAILABLE UPON REQUEST

220V generator

Telescopic boom for white working lights

Telescopic boom for light bar

Circular chain saw (fuel engine)

Bottle oxygen lance cutting with fittings

Water tank

Set of lifting shackles (10 pcs)

Set of lifting chains (5 pcs)

Set of lifting cables (10 pcs)

Set of flat polyester belts (6 pcs)

Set of round polyester belts (2 pcs)

Set of flat belts with tightening pulley (6 pcs)

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