

TECHNICAL SPECIFICATION LIGHT CITY FORD RANGER

Weight superstructure boom with valves, sub frame and all accessories included	1 T				
<p>GENERAL</p> <p>The recovery unit is hydraulically controlled.</p> <p>The unit consists of :</p> <ul style="list-style-type: none"> - One main lifting boom - One double-acting hydraulic lifting cylinder protected by chrome protection. - One extendable recovery boom with adjustable cross bar for underlift and tilt-up-and-down device. <p>Max. lifting capacity of the underlift :</p> <table> <tr> <td>extended</td><td>1.2 T</td></tr> <tr> <td>retracted</td><td>1.7 T</td></tr> </table> <p>The unit is operated by an electro-hydraulic power pack to be controlled by means of joy sticks.</p>	extended	1.2 T	retracted	1.7 T	<p>NEG – 17°</p>
extended	1.2 T				
retracted	1.7 T				
<p>SUB FRAME</p> <p>The recovering unit is mounted on a sub frame made of rectangular hollow section, and assembled by lateral fitting plates with special screws.</p> <p>The original frame is reinforced by longitudinal members in calliper form</p> <p>Shortening of rear overhang, removal of the original spring blade, modification of various brackets, every subassembly is galvanized, installation of 2 parabolic blades and 2 air cushions, replacement of original shock absorbers, modification of the exhaust pipe, installation of a Panhard type bar, air pressure regulator, installation of an air compressor and bottle (8bars) with push-pull connection in right hand box, solenoid valves to deflate air cushions.</p>	<p>Tube E36.3 EN 10210</p>				

<p>LIFTING AND RECOVERY BOOM</p> <p>The housing of the boom :</p> <ul style="list-style-type: none"> - made of strong square hollow section - is lifted by a double-acting hydraulic cylinder (hinged on self-lubricating bearings) - main articulation on self-lubricating bearings <p>The recovery boom :</p> <ul style="list-style-type: none"> - is made of strong square hollow section - extension by double-acting hydraulic cylinder (cylinder mounted on articulation) - head of telescopic arm made of cast steel <p>The articulation of the power tilt :</p> <ul style="list-style-type: none"> - is effected by a double-acting hydraulic cylinder - on self-lubricating bearings <p>The cross bar is articulated by means of a bearing/bolt system</p> <p>The bearings :</p> <ul style="list-style-type: none"> - are conical bearings without any adjustment - are situated in the head of the telescopic arm <p>The bolt :</p> <ul style="list-style-type: none"> - is made of 2 parts fitting into each other (1 with groove, 1 with feather) <p>Cross bar ball lock device control orientation sector in 3 positions</p> <p>The lifting capacity of the recovery boom are :</p> <ul style="list-style-type: none"> - boom extended - boom retracted 	<p>stroke</p> <p>stroke</p> <p>stroke</p> <p>stroke</p> <p>hole bearing</p> <p>diameter steel Protection Positions</p>	<p>HLE 690 180 mm</p> <p>E363 EN10210) 500 mm GE320-560 M</p> <p>340 mm</p> <p>60 mm 95 mm</p> <p>60 mm 42CD4 zinc 45°</p> <p>1.2 T 1.7 T</p>
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<u>ELECTRIC SYSTEM</u> Voltage as chassis (2 battery) The equipment has 4 electric functions : <ul style="list-style-type: none"> - Led lightbar + light - working lights (2 working lights in light bar, 1 working light at the rear of the body) - compartments of the body with Led inner lighting - Led strobe lights The electric functions are controlled by switches on the control board	12V
<u>HYDRAULIC SYSTEM</u> All hydraulic functions are generated by an electro-hydraulic power pack The oil tank fitted on this pack is made of steel	pression capacity +/- 180 8 l
<u>LIFTING AND TOWING TACKLES</u> Towing grid Towing ball attachment at stiffleg (option)	1 set 1
<u>ELECTRIC WINCH</u> Spur gear reducer and pneumatic clutch <ul style="list-style-type: none"> - Electricwinding and unwinding - Radio remote control, length 6 m - Manual free spooling - Pulling capacity 1 layer : 4 309 kg 	
<u>BODIES</u> The body: <ul style="list-style-type: none"> - is made of polyester - their 2 sides are independent from each other (driver/passager) - Body has 2 storage compartments (driver/passager) The doors have internal hinges and foldable paddle lock-type handles. These compartments are fully Led illuminated.	thickness 5 m/m Volume 550 l