

# **MORELLO**

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**INNER TRANSPORTATION TECHNOLOGY**

**INDUSTRIAL PLATFORM-TOWS ROLLTRAILER**

## **INSTRUCTION MANUAL**

<b>MODEL</b>	<b>SRP2</b>
<b>SERIAL NUMBER</b>	<b>1372-1...75</b>
<b>YEAR OF CONSTRUCTION</b>	<b>2006</b>
<b>DOCUMENT</b>	<b>1372</b>
<b>CUSTOMER</b>	<b>A.C.L.</b>
<b>PAYLOAD</b>	<b>80 Ton</b>
<b>DEAD LOAD</b>	<b>8 Ton</b>

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## **2 – GENERAL DESCRIPTION**

**N. 75 ROLLTRAILERS SERIES SRP2 40' 80 TONS**, having each one the following characteristics:

- Load capacity: 80 t with load distributed
- Loading deck measurement: Length 12300 mm, width 2500 mm
- Loading deck height: about 850 mm from the ground
- Loading deck in streaked sheet steel (thickness 5 mm + streak)
- Frame largely manufactured, at four bearing members, realized with oversize steel sections and assembled through solid welding to the electrical arc. The resulting structure is calculated to resist to bending and twist stress with hypothesis of suitable loading for size and distribution.
- N° 4 hunting axles disposed on two axis sections, hunting also in the platform longitudinal direction; on each axle are assembled two wheels with diam. 559 x 356 filled in urethane rubber, rolling on adjustables conical roller bearing of main international brand
- In all are assembled n. 8 wheels (four for axis section); further, axles and swing wheel oscillate on greased bushings.
- Wheels hubs cover is foreseen in steel caps/cover powder
- Front space for platform-tows handling with gooseneck



- N. 2 safety hooks for coupling with gooseneck
- N. 2 structural tubes for trailers cranes passage, applied under the load bearing frame side members of the rolltrailer
- N. 4 points for the platform-tow handling by crane and for ship-bridge fixing
- N. 4 foldaway twist lock for 40' container fixing
- Bolts and nuts plated in galvanic way
- Painting with two coat of primer and two coat of brown synthetic enamel RAL 8002.
- Max loading indication on the front / back side of the frame
- Careful, strong manufacture, suitable to work in sea place
- CE certification and conformity declaration

### 3 - LIST OF MAIN COMMERCIAL COMPONENTS

COMPONENT	DESCRIPTION	Q.ty	
Wheels	Ø559 x 356 filled in urethane rubber	8	
Engine wheels bearing	Conical rulls 30216	8	
Engine wheels bearing	Conical rulls 30217	8	
Hunting axles	80 Fe 520	4	
Bushing swing wheel	65/70 x 70	4	
Bolt swing wheel	Ø 65 - 38NiCrMo4	2	
Bushing axle	50/55 x 50	4	
	50/55 x 60	4	
Bolt axle	Ø 50 - 38 NiCrMo4	4	

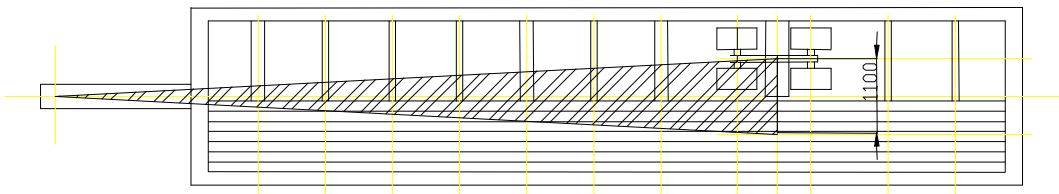


## **4 - USE AND WARNING INFORMATIONS**

**To handle trailers SRP2 1372 it is necessary operating as follows:**

- To hitch, in safety, the engine goosneck to the tow drawbar.
- Lay down the goods carefully on loading platform, avoiding big shocks that could create additional stresses both to the frame and the mechanical groups of which the trailer is manufactured
- The maximum admitted load has to be intended as load uniformly distributed on the whole platform surface.
- The maximum admitted speed considered during the design of trailer is **6 Km/h** at maximum load, running on industrial pavement, well leveled and well compacted.
- Be sure about the braking capability of tractor; it must be adequate for the trailer needs at maximum load (dead load plus its load capacity)
- In the event the trailer has to be uncoupled from the tractor and parked on a slope road it is advisable to use some hood stop, to post before the separation from the tractor.
- Points that allow to unload the payload at ground are three: the two back hold and the middle of the motorized bearing

- For this reason it exists a “balance triangle” done by the jointing of these three points: to not have capsizing risks, it is necessary that the load barycenter should be positioned inside of this triangle.



**The hunting axles system assures an average subsidence and uneven surface absorption: the trailer is however projected and realized for internal use and for 6 km/h maximum speed also in absence of load.**



## 5 – MAINTENANCE

Due to the trailer concept design, scheduled replacement for worn-out parts, or extraordinary repair aren't needed.

In any case to assure a long working life and to maintain a good reliability of its performances it is advisable to carry out a routine maintenance consisting of visual checks and simple mechanical adjustment.

Every two months, make a global visual check of trailer, verify the condition of the front bay for the handling with goosneck.

Verify as well the correct tightening of axles, bearing and bushing and the status and the wear of rubber coat covering the wheels.

**(It is necessary to execute this operation more frequently in case of large use of the trailer)**



## **5 – REFERENCE STANDARDS**

Design, building and assembly of 1372 units, meet all the provisions of the directive in force concerning safety and work conditions, with particular reference to:

- D.P.R. 27/4/1955 nr. 547
- D.L. 19/9/1994 nr. 626
- Engine Instruction n° 89/392
- **HARMONIZED NORMATIVES**

UNI EN 292 – Engine safety; foundation concept, general project rudiments

Part 1: Foundation terms, methodology

Part 2: Technical rudiments and Specification

UNI EN 294 – Engine safety; safety distance to avoid damages to the limbs

UNI EN 349 – Engine safety; lowest distance to avoid body parts mutilation

### **OTHER APPLICATION NORMATIVES:**

- CNR UNI 10011-88 Steel construction; calculation instruction
- UNI 1307 and 1309 – Welding process



## **7 – USER / COMPETENT PERSON**

### **USER**

**People that use the unit 1372 must be older than 18. These people will have to be charged from the Company to use it only after they have been trained by a Company responsible and read carefully this manual.**

**Rules between user and competent person have to be distinguished.**

### **COMPETENT PERSON**

Installation, maintenance, repairs and check must be done only by competent person.

European laws said: competent person is who has experience, know-how and culture in this subject and is able to manage the tools to permit to the machine to work.

### **Legislative decree Nr. 626, September, 19Th 1994:**

Realization of directives 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE, concerning safety and worker health improvement on the work site.

(From Official newspaper of November, 12Th 1994)



**Legislative decree Nr. 242, March, 19th 1996:**

Modification and integration of legislative decree of September, 19Th 1994 , nr. 626 taking Community Directives realization, concerning safety and worker health improvement on the work site.

(From Official newspaper of May, 6Th 1996)

**Contract works**

The employer, in case of works entrust inside the company, or of productive unit, to contracting firms or self-employed must:

Verify, also by means the Chamber of Commerce, Industry and Crafts, the contract firms and self-employed technical-professional suitability, concerning works to entrust in contract.

(From Legislative Decree nr. 626/94, art. 7, comma 1a)

**OUR POST-SALES SERVICE IS AT YOUR DISPOSAL FOR ANY QUESTION YOU MAY REQUIRE.**

