

CH 47

MAINTENANCE DOCKING SYSTEMS



&

GROUND SUPPORT EQUIPMENT

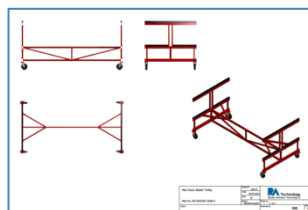


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1. RA Aviation

RA Aviation Solution Systems, have more than twenty years of experience from design, production and installation of aviation maintenance support equipment. This includes maintenance docking systems and other ground support equipment for various helicopter-fixed wing types and models, on a global market.

Our company has in house competencies and experience to design customized maintenance systems in accordance to customer's needs. We always combine our client's functional requirements with our latest technology in aluminum techniques, to optimize cost savings and safe solutions.

In co-operation with our customers regarding planning, design, fabrication and on-site installation, we generate solutions that lead to a safe and efficient way of performing maintenance for our customers.

All our employees work from a customer's point of view. Clients are consequently assured of a versatile, innovative partner, with an eye for lasting quality and maximum performance in accordance with ISO 9001 and AQAP 110 standards.

RA Aviation solution systems products are in use by military and civilian aircraft operators worldwide.

Our products are chosen due to:

- **Safe for maintenance personnel**
- **Cost efficient maintenance**
- **Tailored to customers' needs**
- **Lightweight**
- **Easy to operate**
- **Care and maintenance free**
- **Dynamic and fully adjustable**
- **Modular in sections**
- **Extendable with other platforms**
- **Safe for maintenance personnel**
- **Damage to aircraft is practically impossible**
- **Spark free**
- **Equipped with pneumatic, and electrical outlets**
- **Integrated lightning system for optimal working conditions**
- **Designed in accordance with international standards**
- **RA docking systems are in use by military and civilian aircraft operators worldwide**

1.1 CH 47 Maintenance docking system

Part Name	Maintenance docking system
Part Number	Consist of: <ul style="list-style-type: none"> • Nose Platform • LH Engine Platform • RH Engine platform • Tail Platform

General Description operation:

This docking system supports all maintenance activities on the CH 47. All produced in lightweight aluminum, the floor have a antiskid surface. All edges against the fuselage have a rubber protection band to avoid any harm to the helicopter. There is a verity of options to choose from, like lighting, pneumatic, or other accessories all described in this brochure.



1.2 Antiskid surface and Rubber Fender Protection



1.3 Heavy duty wheels with Brakes

Swivel wheels with brakes, 600kg load per wheel.



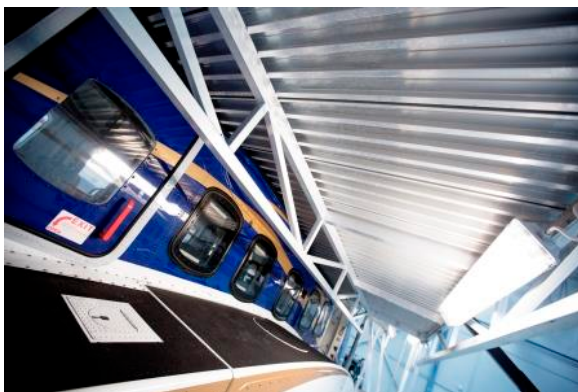
1.4 Removable / Telescope railing

Some areas there are requirement to lower the railing,



1.5 Electrical// Including Lights & pneumatic Installation

This option has a single point electrical connection on each stand, connected to a numerous electrical connection around the stands. By having this gives the mechanic easy access to electrical power as they are working around the helicopter. It also adds lighting under both side stands and railing to improve the working condition for the mechanic. The customer may choose from 220V or 110V Installation.



1.6 Maintenance docking system design and load rating

Design for 200 kg/m²



2. Docking System Accessories

2.1 Surface treatment

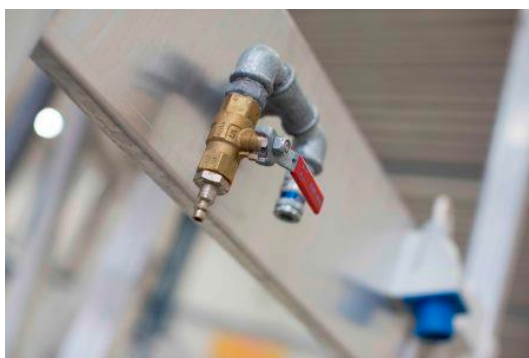
All ground support accessories are powder coated red to give durability and a nice finish

2.1.1 Pneumatic Installation

Part Name	Pneumatic Installation
Part Number	RA-S92DSA- 1854-0
AMM Reference	N/A

General Description operation:

This option has a single point pneumatic connection on each stand, connected to a numerous pneumatic connection around the stands. By having this gives the mechanic easy access to air as they are working around the helicopter.



2.1.2 Electrical Installation

Part Name	Electrical Installation
Part Number	RA-CH47DSA- 1857-0 (220 V)
AMM Reference	N/A

General Description operation:

This option has a single point electrical connection on each stand, connected to a numerous electrical connection around the stands. By having this gives the mechanic easy access to electrical power as they are working around the helicopter. It's also adds lighting under both side stands to improve the working condition for the mechanics.



2.1.3 Tail platform fairing interior

Part Name	Tail platforms fairing interior
Part Number	RA-VH47DSA- 1989-0
AMM Reference	N/A

General Description operation:

The tail stand fairing interior is design to utilize the space under (inside) the tail stand. It has shelf's for numerous fairings, cargo compartment linings, tail rotor components, main rotor components and so on.

Note: S-92 on picture, same principle for CH-47

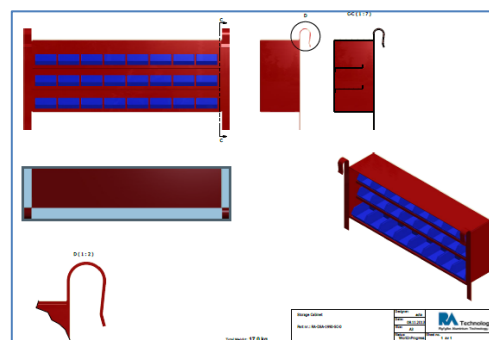
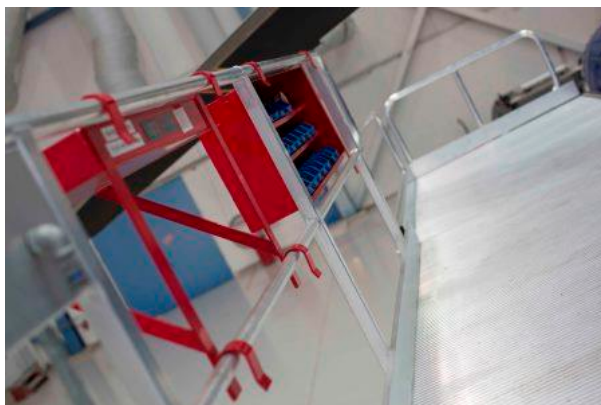


2.1.4 Storage cabinet

Part Name	Storage cabinets
Part Number	RA-DSA- 1990-0
AMM Reference	N/A

General Description operation:

The storage cabinets are designed to hold fairing screws, removed component etc. They slides over the side rails, and may be position where most suitable. It's up to each operator to determine how many needed and how to utilize them. The recommendation is 3 ea. one on each side stand and one on the tail stand.

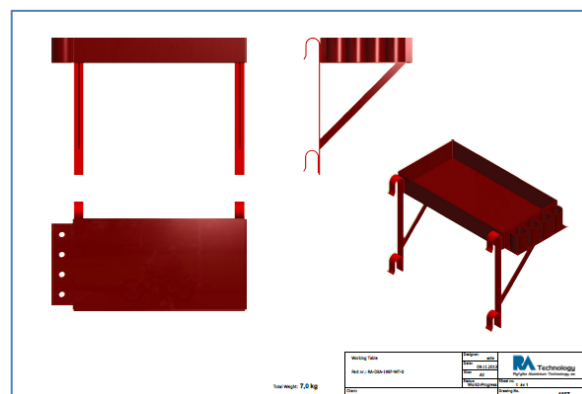


2.1.5 Working Table

Part Name	Working Table
Part Number	RA-DSA- 1987-WT-0
AMM Reference	N/A

General Description operation:

The working tables are designed to hold tools, removed component etc. They slides over the side rails, and may be position where most suitable.
It's up to each operator to determine how many needed and how to utilize them.
The recommendation is 3 ea. one on each side stand and one on the tail stand.

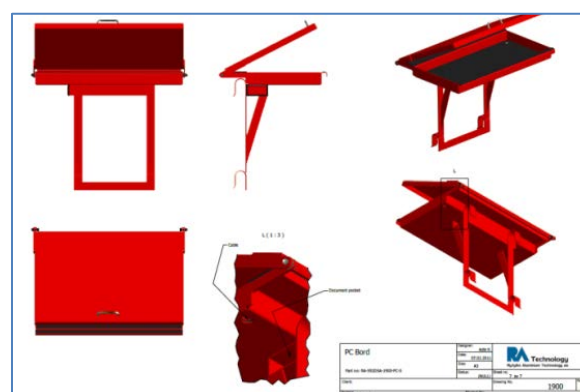


2.1.6 PC Table

Part Name	PC table
Part Number	RA-DSA- 1816-0PC
AMM Reference	N/A

General Description operation:

The PC tables are designed support a PC for the mechanic during his work. They slides over the side rails, and may be position where most suitable. It's up to each operator to determine how many needed and how to utilize them. The recommendation is 3 ea. one on each side stand and one on the tail stand.

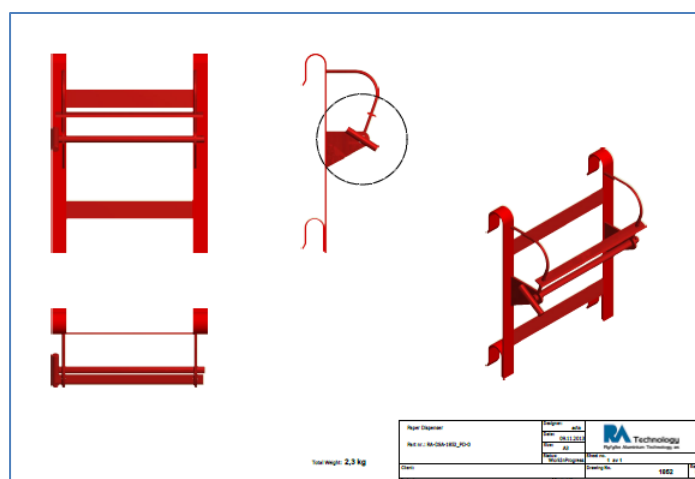


2.1.7 Paper Dispenser

Part Name	Paper dispenser Holder
Part Number	RA-DSA- 1852-PD-0
AMM Reference	N/A

General Description operation:

The paper dispenser are designed to support a paper rolls mechanic during his work. They slides over the side rails, and may be position where most suitable. It's up to each operator to determine how many needed and how to utilize them. The recommendation is 3 ea. one on each side stand and one on the tail stand.

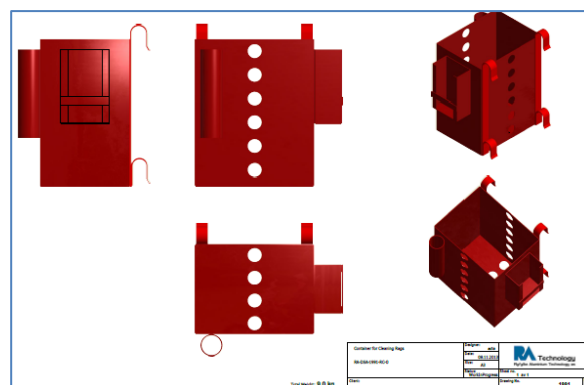
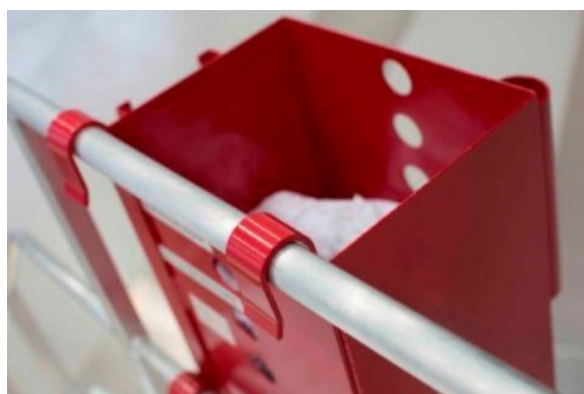


2.1.8 Container for cleaning rags

Part Name	Container for cleaning rags
Part Number	RA-DSA- 1991-0
AMM Reference	N/A

General Description operation:

The container for rags is designed to support a paper rolls mechanic during his work. They slides over the side rails, and may be position where most suitable. It's up to each operator to determine how many needed and how to utilize them. The recommendation is 3 ea. one on each side stand and one on the tail stand.





3. CH 47 Ground Support Equipment

3.1 General description operation:

Accessories are usable both for the Maintenance and Line maintenance docking system.

3.2 Surface treatment

All ground support accessories are powder coated red to give durability and a nice finish.

3.3 Certificate

All equipment like slings etc., will be delivered with a certificate.

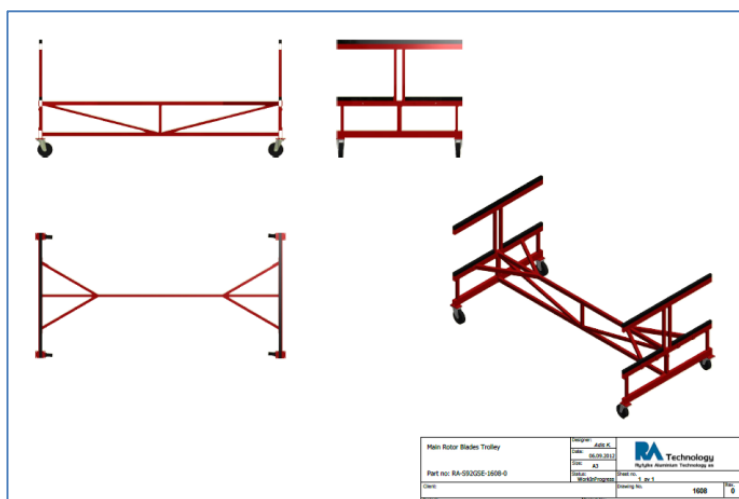
3.4 ATA 62 Main rotor

3.4.1 Main Rotor Blade trolley

Part Name	Main Rotor Blade trolley
Part Number	
MM Reference	62

General Description operation:

The main rotor blade trolley is designed to support all 6 main rotor blades when they are removed from the helicopter.



4. Order sheet

4.1 Customer Survey and request sheet

Survey to be Filled in by the customer:

1. Please type in your Helicopter / aircraft model	
2. Is it a standard model, are there installation that may influence on the docking system. Such as : * Rescue Hoist * Night sun * long version if applicable (skids etc.) * Other installations	
3. If pneumatic option is selected. <ul style="list-style-type: none"> What standard couplings is required, type and part number 	
4. If electrical option is selected. <ul style="list-style-type: none"> What standard electrical installation connectors, type and part number. Voltage (110V or 220V) 	
5. How is your hangar floor, nice and level or uneven?	
6. Other information that may influence the maintenance docking systems. <ul style="list-style-type: none"> Infrastructure Local requirements 	
7. Shipment: <ul style="list-style-type: none"> To be included in the offer? Taken care of by the customer 	
8. On sight assembly of docking system <ul style="list-style-type: none"> To be included in the offer? Taken care of by the customer 	

Fill in order sheet:

Description	Part Number	Qty
Maintenance Docking System		
Nose Platform		
Tail Platform		
LH Engine Platform		
RH Engine Platform		
Docking system accessories		
Storage cabinet	RA-DSA- 1990-SC-0	
Electrical installation		
Pneumatics Installation		
Working Table	RA-DSA-1987-WT-0	
PC Working Table	RA-DSA- 1816-PC-0	
Paper Dispenser	RA-DSA-1852-PD-0	
Container for cleaning rags	RA-DSA-1991-CR-0	
GSE Equipment		
Main Rotor Blades Trolley		