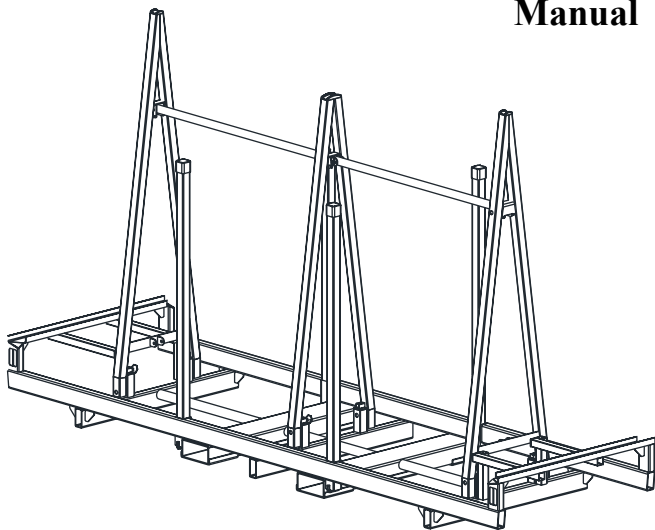




## Owner's Manual



**RSF-3666**

**Rack Stackable Freightliner**  
(Trucking/ storage Fold-down-aframe)

This manual is provided in conjunction with instructions of assembly and spare part lists to fully inform the relevant personnel safety and n usage and maintenance.

## Contents

Index.....	0
Description.....	1
Compliance label.....	2
Safety Labels.....	3
Safety endorse .....	4
Feature - specification .....	4
Arrival of shipment .....	5
Container unloading.....	5
Assemble (instruction & diagrae's.).....	6-11
Photo's .....	12-13
Return disassemble instruction .....	14-19
Photos .....	22-23
Safety slabs awarness.....	24
Slabs handling procedures .....	25
Forktruck hoisting (rack & slab's) .....	26
Trucking .....	27
Part's Nr .....	28
Component position .....	29
Warranty & maintenance .....	30
Inspection & pass .....	31
RSF-3666-8W-Wheeler .....	33

## RACK STACKABLE FREIGHTLINER

Simply, slab's Rack- aframe transport haulage handler. RSF- series are the most efficient of slab's transportation, of money cost saving's as of trucking, traffic, loading and discharge.

RSF-3666 is generally placed on concrete floor, and loaded with Gantry Crane or Forktruck- Jib accessory. After loaded and secure, then hoist-lifted with 4.5T to 7.5 Forktruck, on Truck tray or Trailer, ( Kurtel accident dramatically) .

RSF- series rack- aframe are fitted with 3- "A" that are able to fold lay- down, on low line rectangle chassie base, for empty returns that can be stack 6 high of 2.2m height on Truck tray, or stack 10 of storage mode in confine area, of 3.6m high.

One RSF- series can be transported on small Truck of 4M plus tray for delivery to confine location.

Generally two RSF - series, are place on larger Truck tray, (parallel to each other, side by side) for metro delivery.

Inter city on interstate are truck 4 to 10 unit with slab's on one trucking haulage. (up to 10 stack's of 6 tier stack=60 unit returning of 1 trucking return)

The chassie base constructed of rectangle steel tubeing, with heavy-duty encase fork truck latitude hoisting pockets. When 3-"A" in upright position has 97.5 ° that has, xxxxx ( 5 star ) rating as of wind breeze and road transportation safety rack pack lean.

Each rack side has two safety pole post per side a total 4 pcs set for rack- aframe unit (optional is retention brace poles).

With drop in post pole to aframe base or pole load brace, sheets/slabs can not be bump or pull over onto personal.



# Rack Stackable Freightliner

## RSF - 3666

B/Nr. RSF - 2###

S/Nr. 2### - ##

Tare Weight

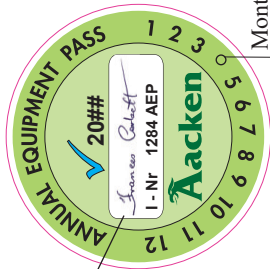
305 kgs

€

Gross Weight

7'305 kgs

Year 20##



Authorised  
inspector  
number

Month  
Punch

# Aacken

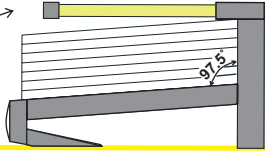
created with ingenuity built on integrity



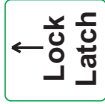
## CAUTION

### SRP4-1400 Safety Rack

Post →



Rack Post's must be fitted prio to strapping, wedge safe, clamp lifter usages !



## LOAD - CAUTION

- LOAD + FRAME TARE NOT TO EXCEED W.L.L.
- LOAD TO BE SECURED SIDE 1, SIDE 2, STRAPS
- LOAD NOT TO EXCEED "A"s HEIGHT
- LOAD TO SECURED TO TRUCK TRAY

## DANGER

- ❑ DAMAGE FRAME, POLE, STRAPS ARE NOT TO BE USED.
- ❑ ACCIDENT WILL OCCUR IF LOAD IS NOT SECURED BEFORE MOVING.
- ❑ AVOID ACCIDENT BY LIFTING FRAME + LOAD, PARALLEL AND EVEN AT ALL TIMES !!

## SAFETY - CAUTION

- SAFETY CLOTHING TO BE WORN.
- A - FRAME TO BE LEVEL FOR LOADING OR UNLOADING.
- DO NOT USED IN WET OR WINDY CONDITIONS.
- ONLY TRAINED AND COMPETENT PERSONAL TO USE.

## LIABILITY

- NO LIABILITY WILL BE CLAIMED AGAINST AACHEN, AACHEN INDUSTRIES OR AACHEN INDUSTRIES INT. LTD. OR IT'S DISTRIBUTORS FOR ACCIDENT(S).
- USER AND BUYER MUST READ, UNDERSTAND AND COMPLY WITH ALL LABELS + COMPLIANCE PLATE.

## SAFETY ENDORSE

For past 80 years numerous persons have been in injury or kill with movement to/from sheet/slabs on truck tray aframe-rack, high mount of no think task

RSF-series aframe-rack are loaded or unloaded at ground, limitate all the high risk factors, of truck tray with vertical sheet/ slabs of high height task.

Slabs/ sheet movement with RSF- series handling, has of 5 star safety+plus rate with many work safety organisation's and insurance.

### FEATURE - SPECIFICATION

RSF - series long liner slin line, galvanize + power coated with excellent stability of good bearing contact.

\* EPDM gray rubberized, beaded, anti slide, non staining

RSF-3662 L 3662 H1740 W1100 - over all size  
L 3500(137") H1630 (64") W180 (7")load size per side

RSF-3664 L 3664 H1940 W1100 - over all size  
L 3500(137") H1830 (72") W180 (7")load size per side

RSF-3666 L 3666 H2130 W1100 - over all size  
L 3500(137") H2020 (80") W180 (7")load size per side

with 4 SRP4-1200 or SPR4-1400 safety rack post

RSF-3666C L 3664 H1940 W1100 - over all size  
L 3500(137") H1830 (72") W200 (8")load size per side

RSF-3666C L 3666 H2130 W1100 - over all size  
L 3500(137") H2020 (80") W200 (8")load size per side

RSF - C series

- \* fitted with container bed-down locking system
- \* 4 brace safety poles- 40 mm (auto lock) included
- \* carrier 20 slabs of 20 mm thick
- \* wedge safe WS-65 ( for 3 slabs insert) } are
- \* wedge safe WS-45 ( for 2 slabs insert) } supply

## ARRIVAL of Shipment

- On arrival check container lock seal and visual of container for damage.
- Note date and time of receipt of container
- If damage must take photo's
- Inform the freight forwarder.
- \* Note ! damage claim can only be at time date of delivery of received goods.

### - Container unloading -

- Man or men must wear safety clothing (steel toe boots etc.)
  - Read and understand data sheet, manual prior to unload.
  - Container and trailer, place at loading dock
  - Or trailer swing container loader delegate to non traffic area, with openness and visibility.
  - Ensure container is stable and level
  - Assess shipping pack of RSF-3666 in container prior to any movement
  - Use appropriate equipment certified and validated to unload or move out of container
  - Stack's are fitted with pallet bearing roller's wheels ( <sup>for</sup> container unload )
  - RSF-3666 could be in stack 1 to 6 unit height, check shipping strapping, and then remove ( of P/O stack are 1 up to 6).
  - Once stack pack out in opened area, lift top unit off pack stack with forklift
  - Place on level surface, remove wrapping
- ( 20 ft container 2 stack = 12 unit RS, Freightliner's )  
 ( 40 ft HC, 7 stack unit of 6 stacks = shipment of 42 )

## ASSEMBLE

RSF- are pre-assemble ex- manufacture factory but shippend empty transport position of stackable mode ( in fold lay down - "A"s) for stack position (bottom tier, temporary wheels)

RSF have 3 lay- down pivot "A"s

A1. Remove post poles (below diagram, Dia A1)

A2. Top stack "A", stand it up vertical look for auto lock catch at bottom (P7, dia A2)

A3. Lock into "A" ( so not fall over) "A" has high pivot holes

A4. Central "A" past vertical, lean against end "A" temporary at (A5 diagram, page 8)

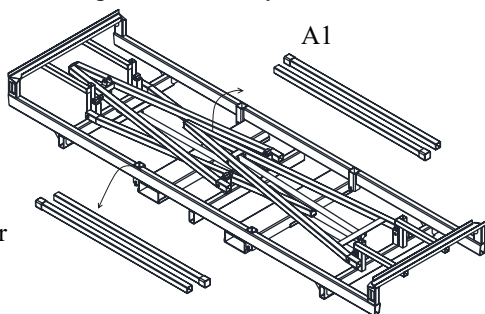
A6. Stand up last end "A", and lock base latch, at A7 dia.

A8. Stand central A vertical and lock latch at bottom, A8 dia

A9. Release bottom bolt on swing arm of end "A", then swing to central A, place bolt into bracket A10

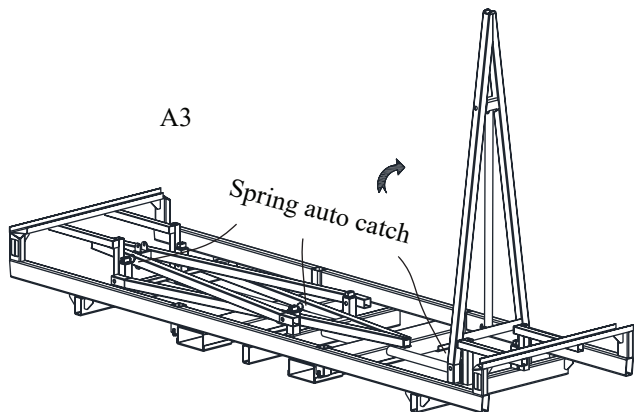
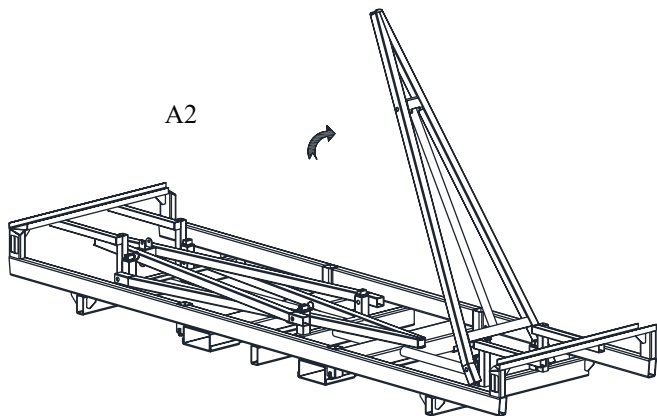
A11. Outer "A" has 2 bolt for left end right brace arms, with usually nylon lock nut, or dual nuts locked.

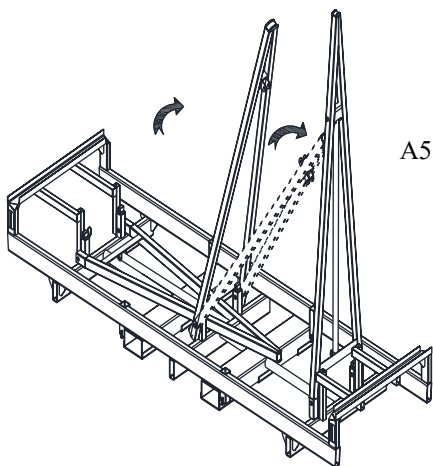
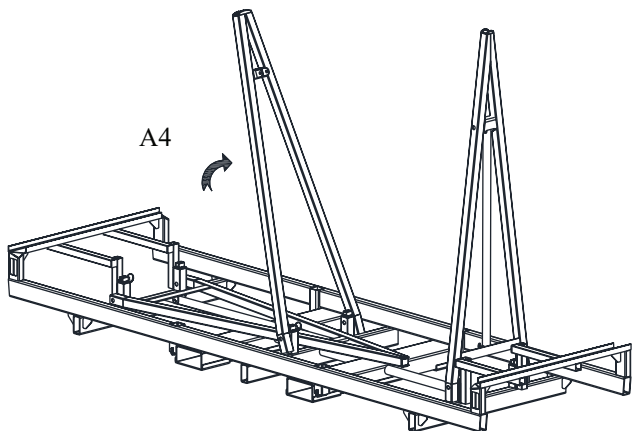
For concept transport empty trucking mode, central "A"s two arms bolt and fitted with butterfly nut or eye nut with grip clip safety fastener pin threv bolt eye hole.

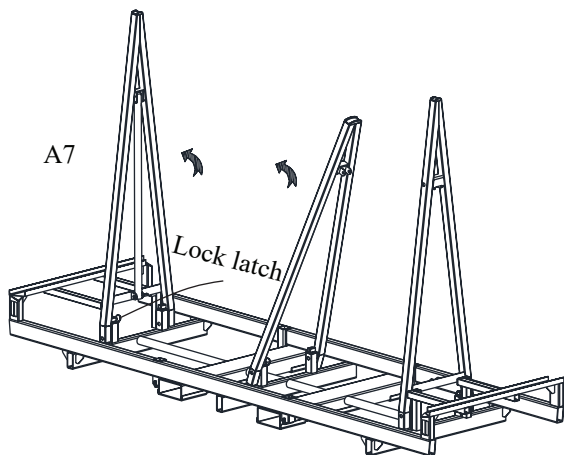
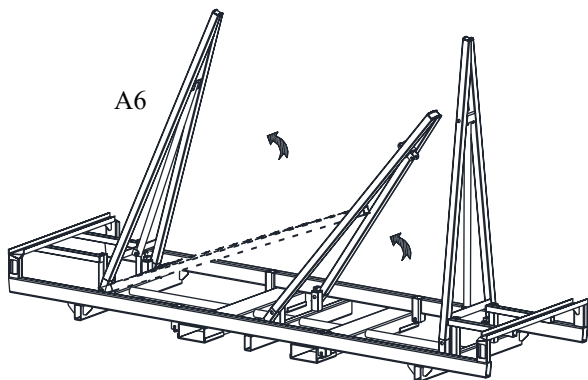


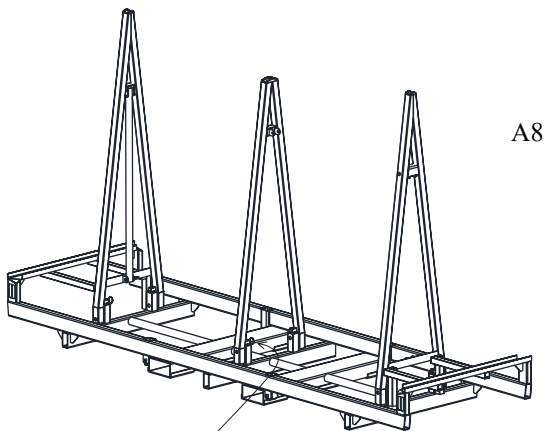
Read and look at  
Dia. A1 to A11 for  
understanding





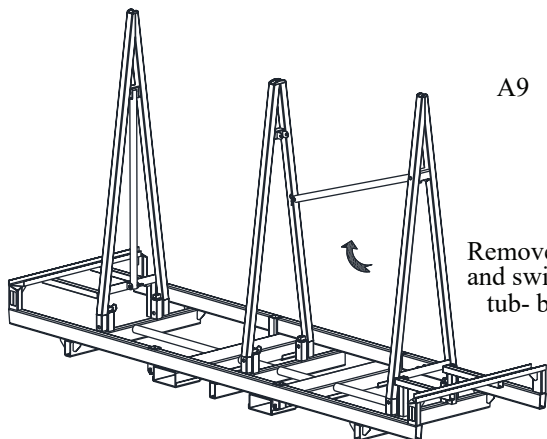






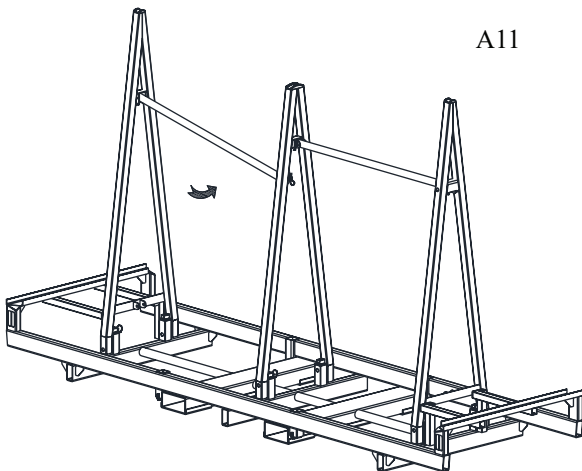
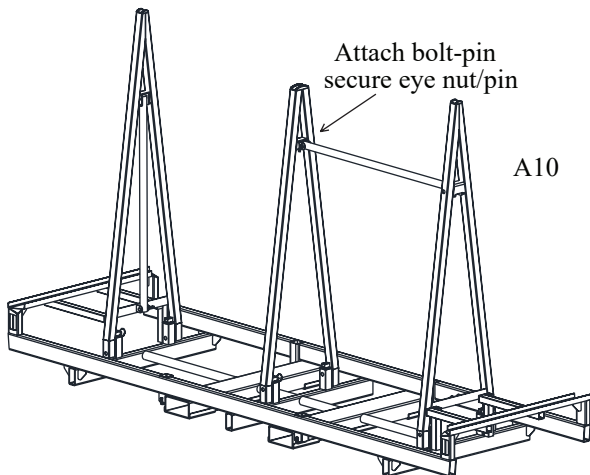
A8

Stand vertical  
Central "A", lock latch



A9

Remove bolt-pin  
and swing brace  
tub- bar up





RSF-3664



Different height model  
are stackable  
to each other

Fork pocket slabs loadtrust



STRAP channel truck tiedown



Strap "J" hook Asia, USA



Strap swan hook Oceania

## RETURN DISASSEMBLE INSTRUCTION

D1. Remove bolt or pin at of brace bars

Central "A", swing down brace bar D2, page 16

D3. Repeat D1-D2 as to D4, P17

D5.D6 follow diagram  
D7.D8 follow diagram  
D9.D10 follow diagram

} each  
page

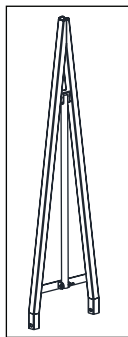
**RSF-3666**  
**Rack- aframe**  
**stackable**  
**freightliner**

D11 Attach post poles inside  
chassi base on top of A fork pockets.

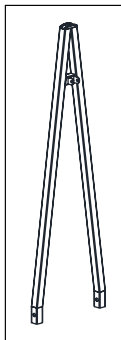


RSF-3666 with WS-45, WS-66, (3x8m strapping optional)

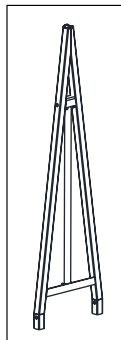




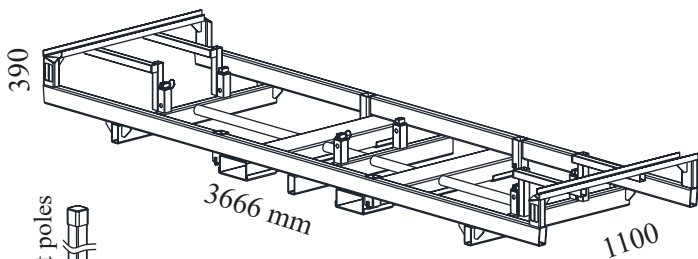
x1 left 'A' with  
Top tube brace in  
storage position  
"A" pivot hole low



x1 central 'A'  
lower height  
with brace bracket  
"A" pivot hole mid



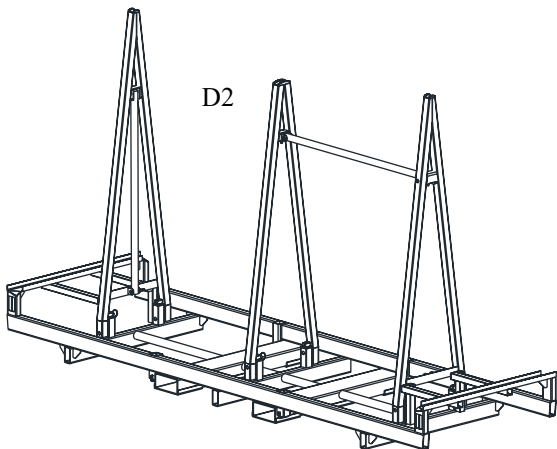
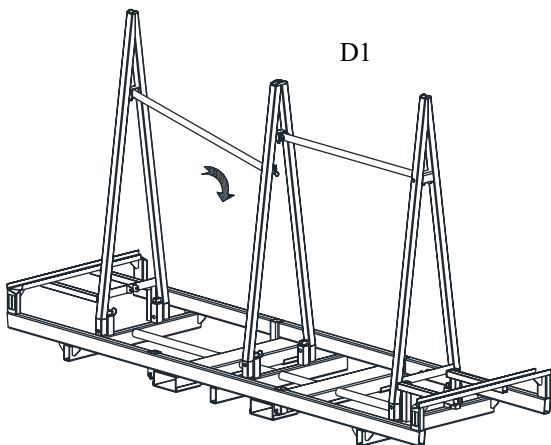
x1 right 'A' with  
Top tube brace in  
storage position  
"A" pivot hole top

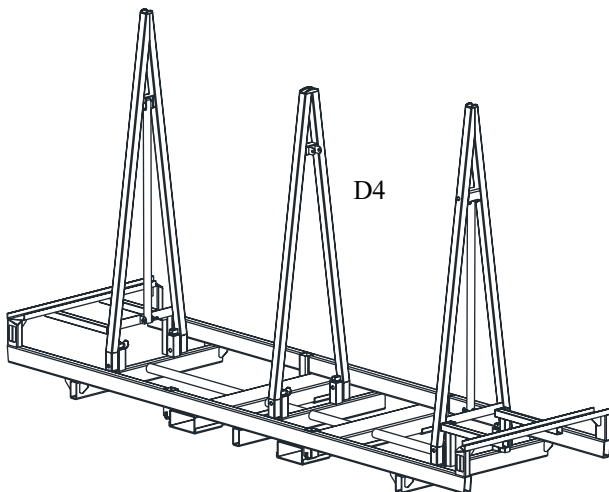
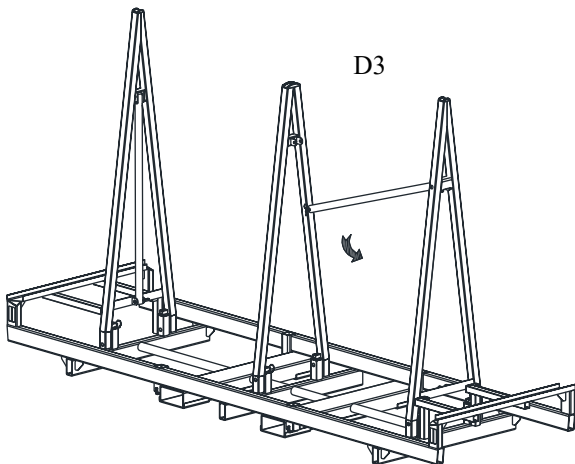


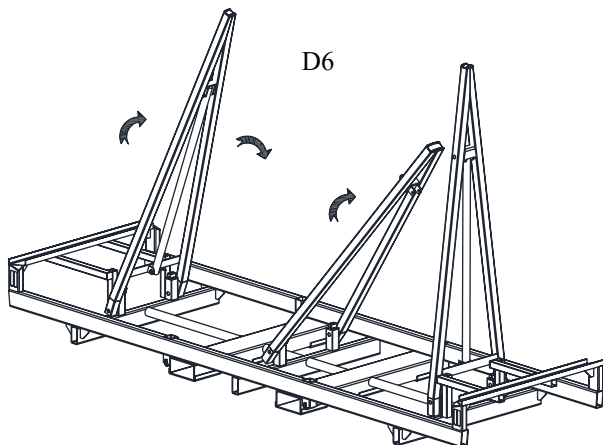
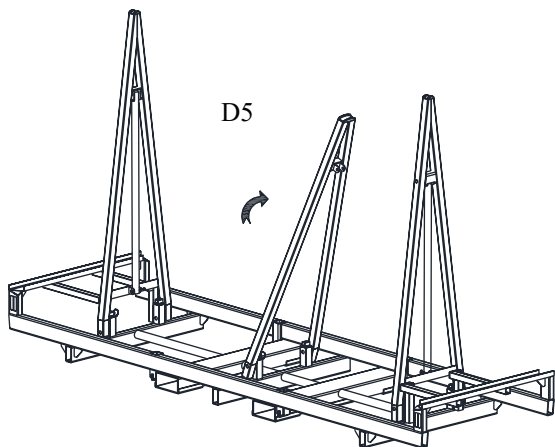
x4 safety post poles

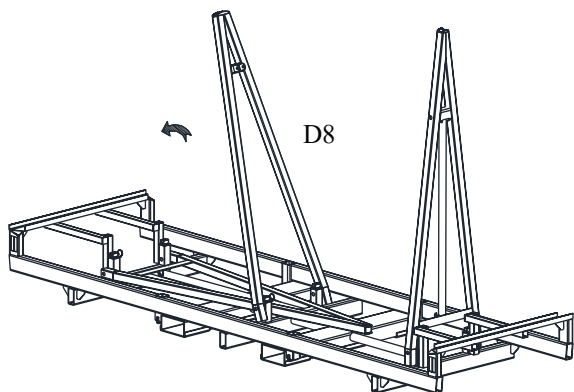
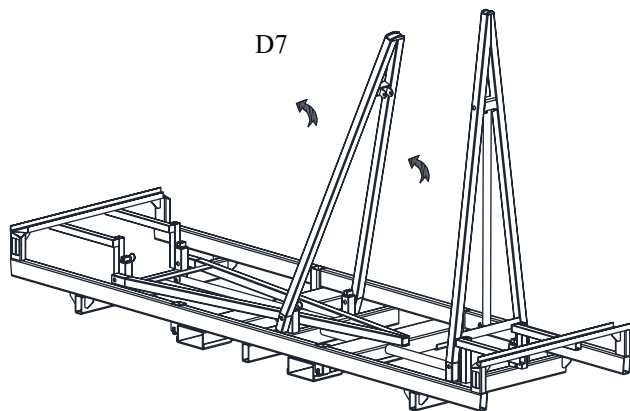


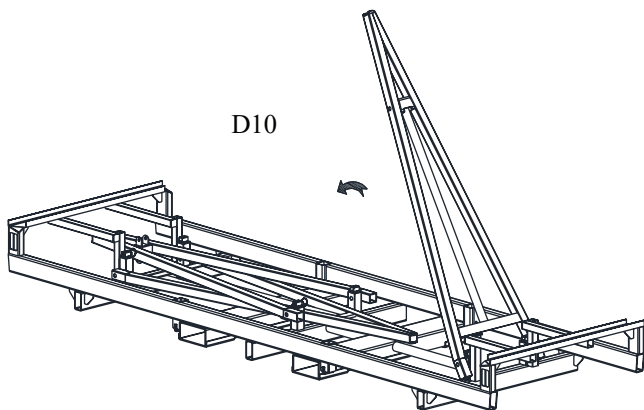
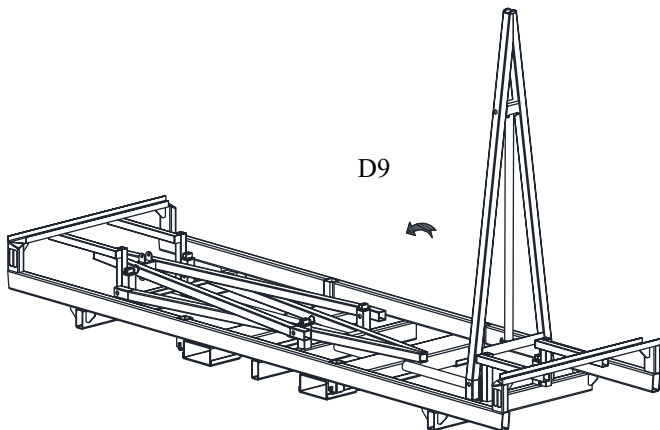
x1 chassis  
rectangle tube  
base frame





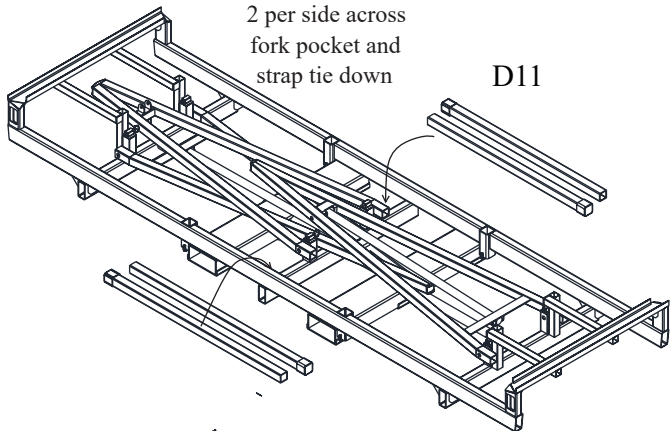




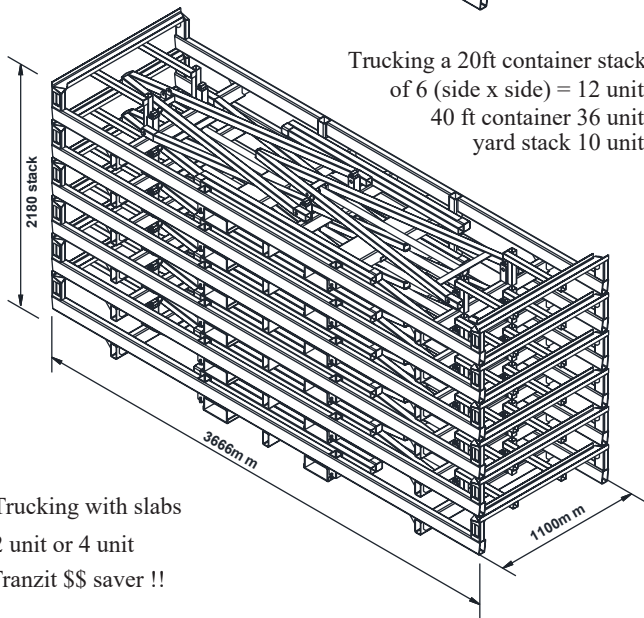


Safety post poles lay  
2 per side across  
fork pocket and  
strap tie down

D11



Trucking a 20ft container stack  
of 6 (side x side) = 12 unit  
40 ft container 36 unit  
yard stack 10 unit



Trucking with slabs  
2 unit or 4 unit  
Transit \$\$ saver !!



6 pkt stack with fold-down "A"s





Document Container (Manual) & Eye Nut & Release Pin



Pull lock latch out & twist to fold-down 'A's



End bracket for Ratchet Load Binder

## Safety slabs awareness

- Wear, S/T boots, gloves, Line vest (H/ hat above 1m operation )

SA1- RSF-3666 not to be loaded or unloaded with slab's when two RSF-3666 are side by sider sitting on Truck Tray. (parallel to each other.) (walking issues)

SA2- One RSF-3666 is premissable to be loaded or unloaded with slab's, only when central of truck tray. ( for men safety walk platform T/Tray)

Men must be fully acquaintance & experience with safety procedures of high truck unloading ect.

SA3- It is strongly recommend, that RSF- 3666 be slabs loaded or unloaded at ground level, as minisize risk factory



## Slab's Handling Procedures



WS - 35



WS - 45



WS - 65

SH1- Read Aacken SVL-65 stone vertical lifter manual.

Yes read it !!. Understand it.

SH2- Do not load or unload, without safety post's

SH3- Wedge safety **MUST BE USE**. Prio to clamp lifter.

SH4- Check all equipment is safety and vali-dated.

SH5- Have RSF-3666 on solid ground level with good visible and operation slabs length clearance.

**Slab's Handling Procedures**

- SH6- Two men require at all time with slabs movement
- SH7- Grantry Crane or Forktruck Jib with hoisting equipment load 1 to 3 slabs at time to RSF-3666 Rack with 1 men controlling slab's swing to bed down.
- SH8- Once slab's have bed down on RSF-3666 and clamp lifter still attach to top of slabs, place two safety poles in front of slabs, prio to remove clamp lifter.
- SH9- On continue loading RSF-3666, remove safety poles prio to second bed- down loading, once slab's are against previous slabs loading, replace safety poles before removing clamp lifter. (Repeat this until fully load rack bay side).
- SH10- Load the opposite side in same manner.
- SH11- When the RSF-3666 in loaded with slabs and the safety post are in place in front slabs strapping must be separate hitch a pair to its owner bay side loaded slab's.
- SH12- Strapping loop hoop owner top "A"s top, brace beam and down to bottom tube h/ duty base tube beam. Then strapping to outer faces of stack slabs

## Forktruck Hoisting ( Rack & Slabs)

- FH-1. Ensure slab's on Rack- aframe is harness secure with strapping, and safety post fitted
- FH-2. Calculate the slabs weight on Rack - aframe + RSF-3666 tare weight, not to exceed Forktruck capacity and truck legal gross weight for road trucking or RSF-3666 W.L.L.
- FH-3. Insert Forktruck prong tynes, throw the RSF-3666, fork pockets, raise load approx 450 (18") of ground level, tilt back MAX 2° degree travel at 88° lean towards forktruck carriage to truck loading
- FH-4. Caution ! When loading two unit side by side, ensure the forktruck tynes not to puncher other RSF- unit of slabs, as Rack in only 1100 mm wide (44")
- FH-5. Safety recommendation is two men whilst loading or unloading RSF-3666 with slab's to ( on off) truck platform tray.
- \* FH: Caution Loading.** RSF-3666 C, series/ model with Forktruck container locking, has four plate eyelet so the RSF can be place fitted to truck tray 180° left or right or fork either side of Freightliner Rack.
- The Truck Tray has two Container Lock spicket (near outer of trays side, while the centrerish has "C" spicket stop
- The Rack RSF-3666C must be 100 mm (4") away from Forktruck carriage-musk, to allow slide bulldoze rack into "C" spicket. To do this the Rack is tilted forward at 92° on fork tynes, once the Rack moves on tynes, Forktruck STOP, and lower onto locking spicket.

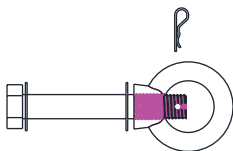
## Trucking

- Small truck of 4 m tray best suited for narrow lane- ways, or complex confine unit of slab's processors manufacture.
- Use on RSF-3664 (load height 1800 slab's)
- Dual RSF-3666 or quad RSF-3666 mount transport on truck of 10 plus wheeler, or trailer combination.
- Trucking companies, mount RSF-3666 in a pair or multi pair, as required. Strapping to be of Road Truck regulation of state/ countries law's or province
- Strap down with X harnessing to truck outside under tray, strapping rail or eye tie down facility.
- Wholes sale of warehouse Truck's may opt the RSF-C series /model, as bed-down container type locking system, supper quick fast turn- around, ultra safety RSF-C can be freight by Trucking Company as they also have facility for ratchet load binder, or normal ratchet strapping.

**Note.** Truck Body manufacture of truck tray or semi-trailer and Trailer Builder would be able to fit container locking system.

- They can be manual operated
- Air cylinder remote operated.
- As safety back-up the air locking container system, has red/ green lock light + buzzer with red light at truck dash so drive in aware rack's are lock down on green.

Pos	Part No	Description	Qty
1	RSF-3666/B	Rack base chassis	01
2	RSF-3666/LA	“A” left end	01
3	RSF-3666/CA	“A” central	01
4	RSF-3666/RA	“A” right end	01
5	RSF-3666/BB1	Brace bar R/tube	01
6	RSF-3666/BB2	Brace bar R/tube	01
7	SRP4-1400	Safety rack post	04
8	L-L-3666	Lock latch	03
9	BSR-50-D/G	Base saddle rubber (gray)	06
10	BSR-F100D/G	Base rubber gray (fork cover)	08
11	ASR-30B	Stack proactive rubber black	06
12	ASR-50-DG	End "A" saddle rubber	04
13	ASR-50-DG	Central "A" saddle rubber	02
14	RC50/4 DG	Safety rack post cap (gray)	04
15	M14-90B/M14N	M14 gal/bolt x90 with washer, lock nut's	2 unit
16	M14-95B/EN14	M14 gal/bolt/2,M14 washer Eye Nut M14/+ pin	2 unit



M14-95B / EN14

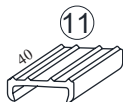
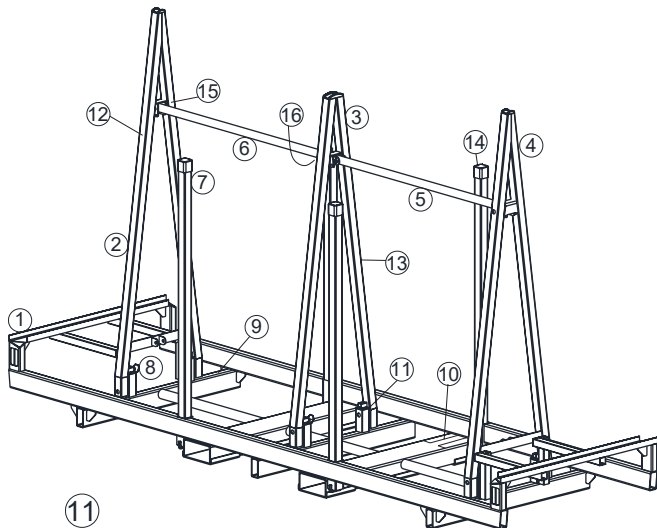


M14-90B / M14N's

## RSF-3666

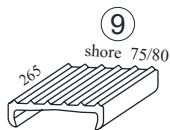
Component position

⑭ EPDM  
post cap  
RC50/4DG

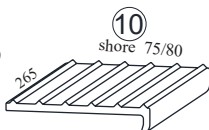


ASR-30B

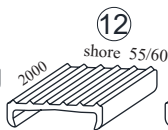
## EPDM Rubber Part



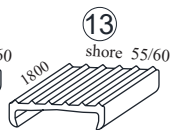
BSR-50-DG



BSR-F100-DG



ASR-50-DG



ASR-50-DG

### **WARRANTY:**

- Freightliner fold-down rack- aframe

RSF- model's/series have 24 month from date of purchase.  
Free of manufacturing defects of material and workshop.

Warranty dose not cover transporting or handling cost or wear on component ( eg rubber) lining, nor negligence or misuse of rack- aframe it self

### **Document Container:**

Read certificate, compliance and lables, two manual of RSF-3666 Freightliner and SVL-65 stone vertical lifter- clamp.

### **Inspection & Pass**

Prio to each load usages check that rubber not damage or contaminate and bolt fitting and pin are secure.

Annually examine the Rack- aframe, at weld's, and for rust, EPDM rubber, Bolt-Pin, holes. (**Galvanize paint touch up**)

After examination , Affix annual green pass.

### **Ratchet strapping Request.**

RBS-50-8m- Swan Hook

RBS-50-8m- J.hook's



**Annual Inspection Date**

Year / Date



RSF-3664-C Forkable 2 sides (container lock)



RSF-3666 folded position

**RSF-3664-8W - Wheeler**

Is one wonder rack-aframe as same function as trucking freightliner, but has & removable h/duty Ø150 wheels, of dual wheels ridge, and bogie pivot d/brake

Suited for Warehouse of multi Gantry Crane's operation of Slabs Bay's, for trans-tranzit, of Bay Gantry Crane operation to another bay Gantry Crane for different slabs variety for delivery.

- Slim width, easy roll wheels
- Safety retention poles, ( no accidents)
- 'A's slab lean 97.5 travel ,breeze safe.
- Handle all size, slabs & thickness

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