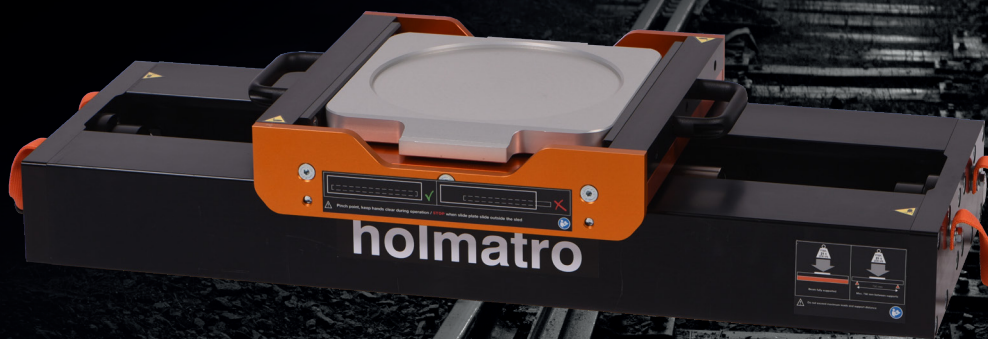


# COMPACT RERAILING UNIT



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### Holmatro - Mastering Power

Holmatro products are all about the principle that only controlled power can be deployed effectively. We have expressed this vision in the slogan 'Mastering Power'. Still, for over 50 years after the foundation in 1967, we keep honoring our traditional Dutch roots and represent innovation, quality and support. That is why we design, develop, manufacture, and test our tools in-house. Our experience with high-pressure hydraulics enables us to seek out the boundaries of what is technically possible. This has made our tools lighter, compacter, more durable, and easier to use.

### Holmatro Industry - Feel the power

Holmatro's hydraulic equipment and systems are used for different industrial applications around the world. Holmatro Industry operates based on three main pillars:

- Application knowledge is key
- Durability and reliability are key
- Taking care is key

The Holmatro Rerailing Systems offer rerailing in a fast, safe and controlled manner.

# HOLMATRO COMPACT RERAILING UNIT

Holmatro introduces the Compact Rerailing Unit. This Compact Rerailing Unit is the lightest solution in the market to rerail lightweight railway vehicles with the highest precision. You have the possibility to compose a Compact Rerailing System that is suitable for your application. You are in control!

## Features and benefits

### Fast

- Lightweight rerailing unit (54 kg)
- Ergonomically (easy transportation towards the accident site by simply moving the unit in separate parts and easy to install due to its small overall dimensions)
- Able to switch to another hose with a new coupling while pump is running

### Safe

- Divisible (easy and safe to carry and easy to position in the right spot in a safe manner)
- Easily **replaceable** low friction slide bearings both under and in the traverse sled
- Stacking rings which can be **easily placed** round the plunger of the lifting cylinder when **securing** the load – Work safely near and under the load
- Different **colors** of hoses and different type of **couplers** for lifting and sliding to prevent incorrect connections
- Position of the carrying handles

### Controllable

- Load lowering valve – Lowering in a controlled manner without the load being of influence on lowering.
- Equal / split flow pump
- Better overview of the situation when using remote control valves
- Big radius because of internal sliders in traverse sled

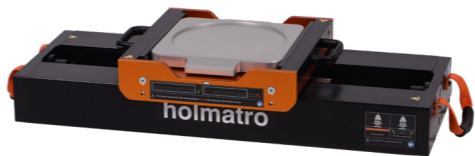
**Compact, lightweight and user-friendly.  
Suitable for lightweight railway vehicles.**





# HOW TO COMPOSE A HOLMATRO COMPACT RERAILING SYSTEM

We want to take you through the steps which are key to compose a complete Compact Rerailing System. Compose the Compact Rerailing System that is suitable for your application!



## STEP 1 Sliding components

The beam is essential for every Rerailing System. Together with the Traverse Sled you have the perfect base for your Compact Rerailing System.



## STEP 2 Lifting components

The cylinder is a fully aluminum telescopic cylinder, which comes in two different heights. The stacking rings are used for mechanical locking of the load.



## STEP 3 Operation components

Holmatro offers different pumps (standard and manual) for different applications. The next step is the coupling of the hoses on the pump unit.



## STEP 4 Accessories

In addition to the sliding, lifting and operation components we have a couple of accessories. For example pressure relief tools.

# HOLMATRO COMPACT RERAILING SYSTEM

## Components

5 TELESCOPIC CYLINDERS

1 BEAM

ADAPTER PLATE 3

TRAVERSE SLED 2

STABILIZER FOOT 4

8 EXTENSION HOSES

6 FORK TOOL

6 STACKING RINGS

MANUAL - HAND PUMP WITH VALVE & PRESSURE GAUGE 7

T-PIECE FEMALE 7

T-PIECE MALE 7

STANDARD - TWIN PUMP 7

CORE HOSES 8

REMOTE CONTROL VALVE TRAVERSE 7

REMOTE CONTROL VALVE CYLINDER 7

# SLIDING COMPONENTS

## COMPACT RERAILING UNIT

Compact and lightweight unit for easy transportation and when space is limited. The unit is divisible which makes it easy to carry towards the accident site.



Compact Rerailing Unit		
max. working pressure	bar/Mpa	550 / 55
stroke	mm	300
max. lifting en traversing capacity	kN/t	206/21
overall dimensions (LxWxH)	mm	850 x 379 x 153
weight, ready for use	kg	54

## 1 BEAM

Compact beam made from aluminum. This means: Easy transportation towards the accident site and easy installation due to lower weight and compact dimensions.

Beam	description	model	dimensions (lxwxh)	weight, ready for use
	Compact Rerailing Unit Beam	CRU beam	mm	kg
			850 x 356 x 100	38

## 2 TRAVERSE SLED

The traverse sled will facilitate side movements (perpendicular to the rails).

Traverse sled	description	model	dimensions (lxwxh)	weight, ready for use
	CRU traverse sled	CRU slide	mm	kg
			458 x 364 x 82	16

# LIFTING COMPONENTS

## 3 PLATES

The plates are used under the lifting cylinders for lifting the railway vehicle.

Plates	description	model	dimensions (lxwxh)	weight, ready for use
	Sled fill plate	SFP 260x50	mm Ø260 x 50	kg 2.7
	Adapter plate for the cylinder to use with the sled fill plate	AP 181x5	Ø250 x 10	2.4
	Base Plate	Base Plate BP 80/28	Ø300 x 25	4.5

## 4 STABILIZER FOOT

The cylinder can be placed in the stabilizer foot for extra stability of the position of the lifting cylinder.

Stabilizer foot	description	model	dimensions (lxwxh)	weight, ready for use
	Stabilizer foot	SF80/28*	mm	kg
			Ø231 x 90	4.8

5 CYLINDERS

Telescopic cylinders are used for lifting the railway vehicle. Before selecting the cylinders, it's important to know the weight of the railway vehicle and the stroke you need. These telescopic cylinders make stable lifting and lowering possible.



HATC 80/28 H 20






HATC 80/28 H 45

Specifications		HATC 80/28 H 20	HATC 80/28 H 45
max. working pressure	bar/Mpa	550 / 55	550 / 55
tonnage	t	80 / 28	80 / 28
stroke	mm	200	450
closed height	mm	250	387
capacity 1st stage	kN/t	787 / 80.3	787 / 80.3
capacity 2nd stage	kN/t	276 / 28.2	276 / 28.2
required oil content (eff.)	cc	1864	4287
connection		flatface	flatface
cylinder type		telescopic	telescopic
return type		hydraulic	hydraulic
material		aluminum	aluminum
plunger ø 1st stage	mm	115	115
plunger ø 2nd stage	mm	70	70
weight, ready for use	kg	19.0	27.0

6 STACKING RINGS


Stacking rings can be easily placed around the plunger of the telescopic cylinders and are used for the mechanical securing of the railway vehicle, when the vehicle has to hold its position for a longer time period.

Stacking rings	description	model	suitable for cylinder	filling height	weight, ready for use
				mm	kg
	Stacking ring 50 mm	SR 80/28 - 50	HATC 80/28 H **	50	1.3
	Stacking ring 100 mm	SR 80/28 - 100	HATC 80/28 H **	100	2.5
	Fork stacking ring for safely place the stacking rings	FORK	-		0.6

OPERATION COMPONENTS



7 PUMPS

Holmatro provides different pumps for operating the cylinders of the system. Pump differences are in terms of the accuracy of synchronization, flexibility and usability.

Motor pump (standard)			06 T 11 P_**
	description		Petrol driven twin pump with 2 CORE connections
	max. working pressure	bar / Mpa	550 / 55
	number of outputs		2
	number of stages		1
	output / min.	cc	700
	capacity oil tank (eff.)	cc	11000
	engine		4-stroke - 4.2 HP - 3.1 kW
	speed	rpm	3300
	dimensions (lxwxh)	mm	570 x 416 x 542
	weight, ready for use	kg	48,6

Additional information





- Petrol driven duo pump, CORE version, for simultaneous operation of two tools.
- Save and controlled operations with remote control valves.
- Switching control valves without turning of the pump.

Operation components	description	model
	Remote control valve cylinder (orange)	RCV 550 C
	Remote control valve traverse (up to 2 CRU's) (black)	RCV 550 T

Hand pump (manual back-up)	PA 38 H 2		
	working pressure	bar/MPa	720 / 72
	max. operating force	kg	35
	output, 1 <sup>st</sup> stage	cm³ / stroke	42.8
	output, 2 <sup>nd</sup> stage	cm³ / stroke	3.1
	max. pressure, 1 <sup>st</sup> stage	bar	0 - 45
	max. pressure, 2 <sup>nd</sup> stage	bar	45 - 720
	effective tank capacity	cm³	3800
	weight incl. oil	kg	11.4
	LxWxH	mm	700 x 183 x 175
	maintenance set	art no	100.013.268





Additional information

- Robust and compact construction, ergonomic design
  - Service- and maintenance-friendly
  - High oil output
  - Accurately controllable pressure release valve
- Pressure gauge connection on pump block
  - Oil level glass in tank
  - Integrated filler funnel
  - Push & Unlock pump handle lock




Operation components	description	model
	Double acting switch valve (lifting / traversing)	VM 43 L_SP
	Pressure gauge set for pa *8 pumps	-
	T-piece male to connect traverse compact rerailing unit (orange)	T-piece 0.5 M
	T-piece female to connect traverse compact rerailing unit (black)	T-piece 0.5 F

8 HOSES

Holmatro provides different hydraulic hoses needed for connecting the lifting cylinder.

Hose types	description	model
	Double extension hose for connecting traverse cylinder to pump (black)	RVL 10 DU
	Double extension hose for connecting lifting cylinders to pump (orange / black)	RVL 10 DOU
	CORE hose for pump to the remote control valves (orange)	C 10 OU
	CORE hose for pump to the remote control valves (blue)	C 05 BU

9 ACCESSORIES

Accessories	description	model
	Tool station 2500 x 2000 mm	HTS 2500 x 2000
	Pressure relief tool flatface coupler male	-
	Pressure relief tool A239 coupler	-

# COMPACT RERAILING UNIT SYSTEM COMPONENTS

Description	model	Article #
<b>Sliding components</b>		
Compact Rerailing Unit	CRU	101.001.262
<b>Lifting components</b>		
Telescopic cylinder	HATC 80/28 H 20	101.001.175
Telescopic cylinder	HATC 80/28 H 45	101.001.174
Telescopic cylinder excl. load lowering valve	HATC 80/28 H20ELV	101.001.396
Telescopic cylinder excl. load lowering valve	HATC 80/28 H45ELV	101.001.395
Stacking ring (Support ring)	SR 80/28 - 50	101.001.624
Stacking ring (Support ring)	SR 80/28 - 100	101.001.625
Fork for placing stacking (support) rings	FORK	150.001.856
Sled filler plate	SFP 260x50	100.002.804
Adapter plate	AP 181x5	101.001.926
Base plate	Base Plate BP 80/28	101.001.087
Stabilizer foot	SF 80/28* / HATC80	101.002.302
<b>Operation components</b>		
Hand pump	PA38H2	100.142.037
Pressure Gauge Set For PA *8 Pumps	-	100.182.214
Double acting switch valve (lifting/traversing)	VM43 L_SP	101.001.226
T-piece male to connect traverse CRU (orange)	T-piece 0.5 M	101.001.830
T-piece female to connect traverse CRU (black)	T-piece 0.5 F	101.001.831
Petrol driven twin pump with 2 CORE connections (EUROPE)	06T11P_EU	101.001.468
Petrol driven twin pump with 2 CORE connections (USA)	06T11P_US	101.002.019
Petrol driven twin pump with 2 CORE connections (ASIA)	06T11P_A	101.002.096
Remote control valve cylinder	RCV 550 C	101.001.451
Remote control valve traverse (up to 2 CRU's)	RCV 550 T	101.001.447
CORE hose, 10 m	C100U	150.570.043
Double extension hose traverse cylinder (black)	RVL10DU	100.570.302
Double extension hose lifting cylinder (orange/black)	RVL10DOU	100.570.304
<b>Accessories</b>		
Tool station 2500 x 2000 mm	HTS 2500 x 2000	150.182.044
Pressure relief tool flatface coupler male	-	100.182.140
Pressure relief tool A239 coupler	-	150.182.016

➔ More information? Contact us via [rerailing@holmatro.com](mailto:rerailing@holmatro.com), and together we'll compose your Rerailing System!

# HOLMATRO OFFICES AND DEALERS

Thanks to our worldwide sales and service network there's always a Holmatro representative nearby, ready to assist you!

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