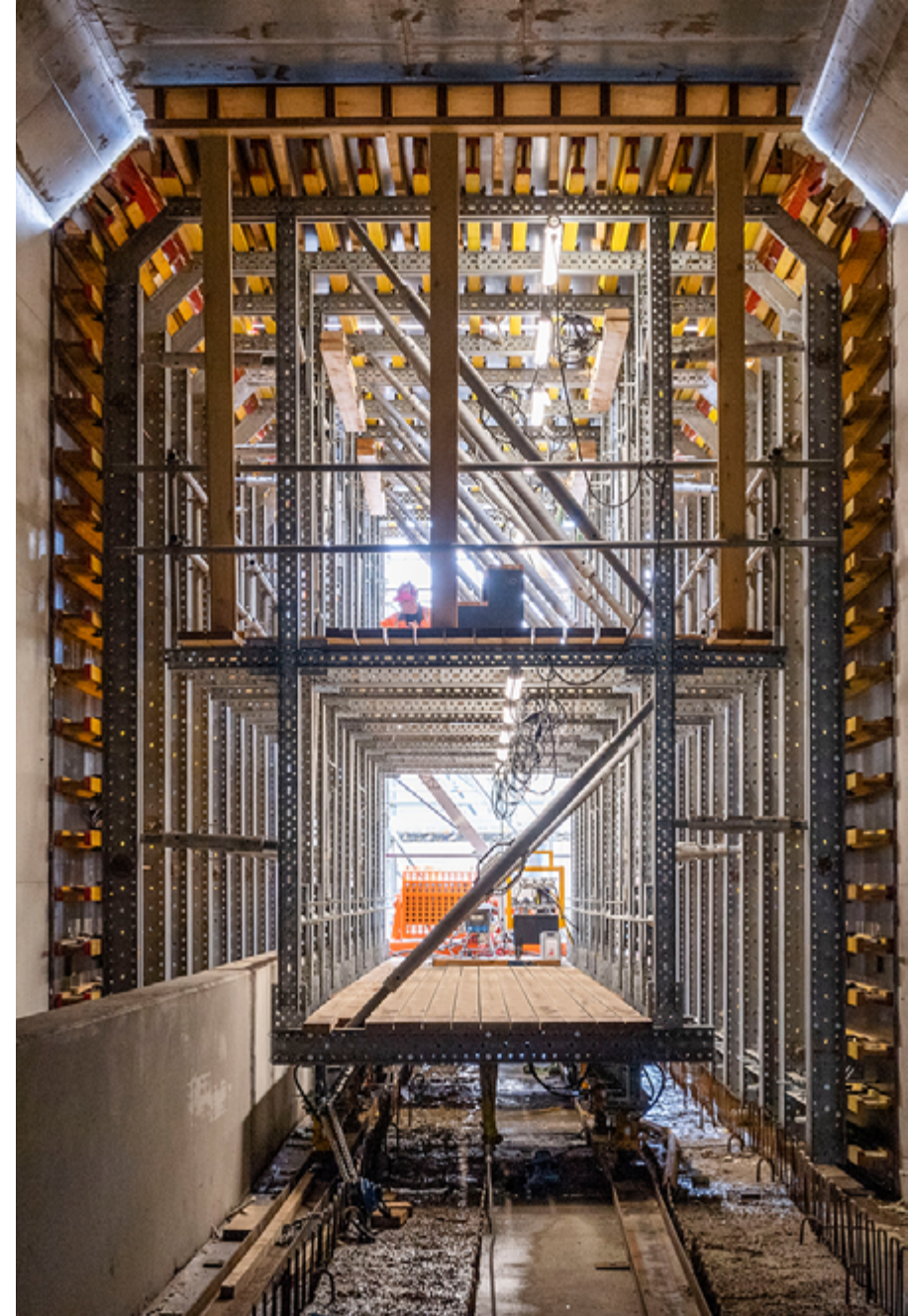


INFRA-KIT

INFRA-KIT is a modular system for infrastructure projects. It offers maximum flexibility with a minimal number of required system parts.

- ▶ **Technical data**
- ▶ **Product advantages – Work productively**
- ▶ **Product advantages – Work safely**
- ▶ **Application & use**
- ▶ **Engineering-Services**

At Work For You



HÜNNEBECK 

BY BRAND SAFWAY

INFRA-KIT

Technical data

Successful infrastructure projects with the modular INFRA-KIT system; greatest flexibility with just a few components.



INFRA-KIT L waler

For light applications

Fields of application	Tunnel construction; bridge and civil construction
Lengths of walers	62,5 75 100 125 150 200 250 300 350 400 450 500 550 cm
Waler connectors	Connectors to walers or spindles with or without additional spindle connection
Bolts	Load dependent Ø 16 and Ø 20
Spindle lengths	Spindles for light and heavy loads available; from 50 cm to 480 cm in different extension lengths
Corrosion protection	Fully galvanised
Accessories	Connection options to side protection systems, scaffold tubes and wheels

INFRA-KIT M waler

For moderately heavy applications

Fields of application	Tunnel construction; bridge and civil construction
Lengths of walers	150 200 250 300 350 400 450 500 550 600 cm
Waler connectors	Connectors to walers or spindles with or without additional spindle connection
Bolts	Load dependent Ø 20 and Ø 25
Spindle lengths	Spindles for light and heavy loads available; from 50 cm to 480 cm in different extension lengths
Corrosion protection	Fully galvanised
Accessories	Connection options to side protection systems, scaffold tubes and wheels

INFRA-KIT

Technical data



INFRA-KIT H beam	Heavy-duty shoring
Fields of application	Tunnel construction; bridge and civil construction
Main beam lengths	62 175 300 450 600 cm
Lengths of load-bearing frame props	50 75 100 150 200 cm
Load	Up to 210 kN load capacity per support
Beam connections	Beam joint with connecting bolts (18% flexural strength) Beam joint with screws (37% bending strength) Beam joint with beam joint plate and screws (83%) Butt plate joint with screws
Vertical supports	Load-bearing frame prop INFRA-KIT beam MkII soldiers MODEX HD Tower
Support connections	Prop jack-2 Pin-jointed base plate
Spindle range	0 cm – 30 cm resp. 0 cm – 60 cm (with two prop jacks)
Angular compensation	0° to 10°
Application above ground	1.0 – 16.0 m (higher with separate structural analysis)
Corrosion protection	Fully galvanised
Accessories	Among others: Centring bar and clip abutment clamping device beam clamp walkway bracket and post wall strut

INFRA-KIT

Work productively

- ▶ Economical infrastructure construction with only a few system components and minimal planning; expensive special configurations not required
- ▶ Pre-assembly possible, increasing efficiency in tight spaces
- ▶ Just right for every application: Beams of different lengths available for all three load classes
- ▶ Plug connectors ensure quick and simple assembly
- ▶ Easy to insert tie rods for bracing
- ▶ Base jack can divert high loads; minimal material required

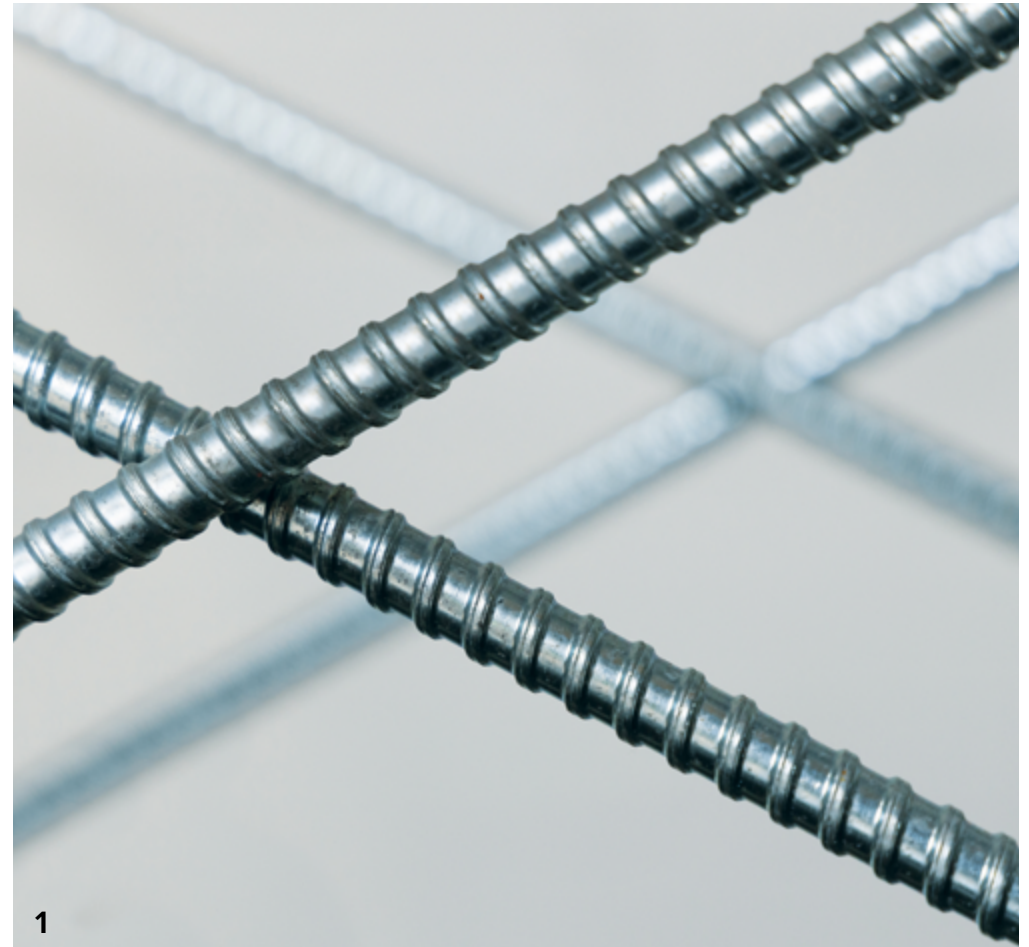


INFRA-KIT

Work safely

5

- ▶ Diagonal bracing with tie rods ensures stability (1)
- ▶ Using high grade steel and hot dip galvanised steel ensure long serviceable life and stability (2)
- ▶ Standard walkway brackets such as PROTECTO or MODEX side protection keep workers safe



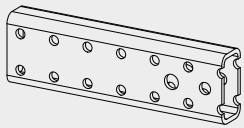
INFRA-KIT

Application & use

On the following pages you will find excerpts from our user manuals. The complete instructions are available at www.huenebeck.com.

Connecting 2no. Walers L – without spindle connectors (with IK Waler Connector Flex L)

Components needed:



1no. IK Waler Connector Flex L
(code:608490)

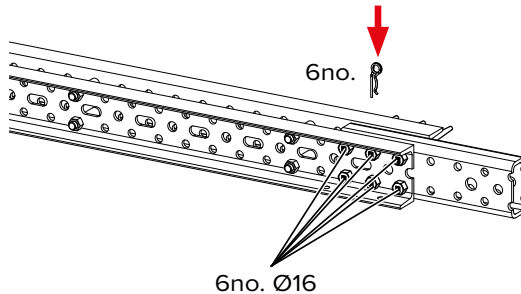


12no. IK Pins Ø16
(code:608816)

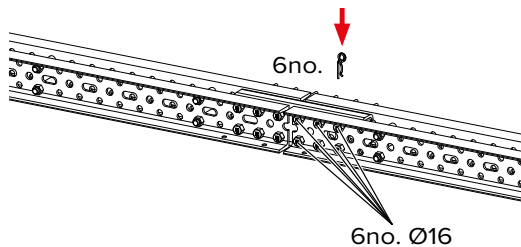


12no. Spring Cotter Pins 4
(code:173776)

Step 1 Insert the IK Waler Connector Flex L into the first Waler L and fasten with 6no. IK Pins Ø16. Secure the IK Pins with the Spring Cotter Pins.

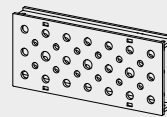


Step 2 Slide the second waler over the IK Waler Connector Flex L and fasten with 6no. IK Pins Ø16. Secure the IK Pins with the Spring Cotter Pins.

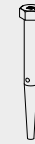


Perpendicular connection of IK Walers M

Components needed:



1no. IK Waler Connector Flex M
(code:608485)

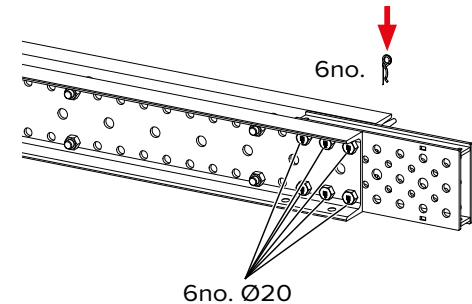


10no. IK Pins Ø20
(code:608820)

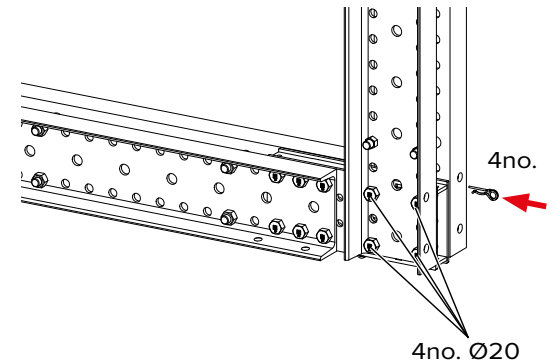


10no. Spring Cotter Pins 4
(code:173776)

Step 1 Insert the IK Waler Connector Flex M into the first Waler M and fasten with 6no. IK Pins Ø20. Secure the IK Pins with the Spring Cotter Pins.



Step 2 Slide the second Waler M onto the IK Waler Connector Flex M at a right angle to the first IK Waler and fasten with 4no. IK Pins Ø20. Secure the IK Pins with the Spring Cotter Pins.



INFRA-KIT

Application & use

7

Connecting Walers on top of one another

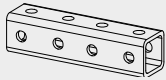
Two Walers L can be connected one on top of the other, parallel or crosswise using, the IK Adapter L.

The following Walers can be connected to one another using the IK Adapter M/L.

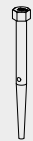
- 2no. Walers M on top of each another, parallel or crosswise
- 1no. Waler L on 1no. Waler M, parallel or crosswise

Connecting 2no. Walers

Components needed:



1no. IK Adapter L
(code:608480)

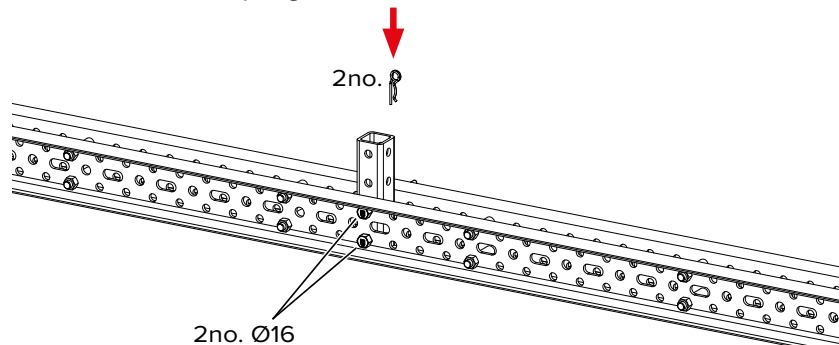


4no. IK Pins Ø16
(code:608816)

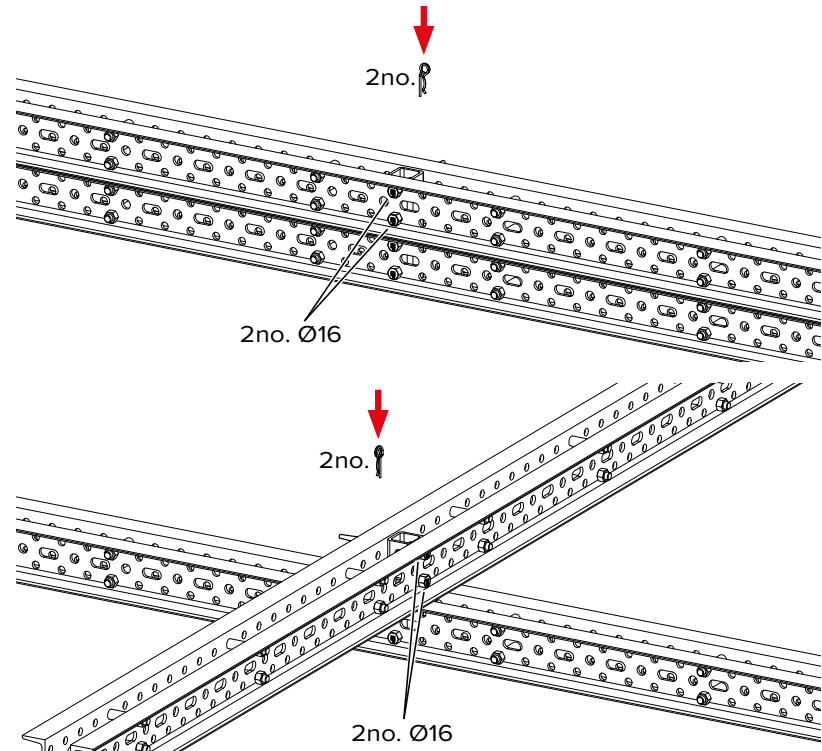


4no. Spring Cotter Pins 4
(code:173776)

Step 1 Insert the IK Adapter L into the first Waler L and fasten with 2no. IK Pins Ø16. Secure the IK Pins with the Spring Cotter Pins.



Step 2 Slide the second Waler L over the IK Adapter L, parallel or crosswise. Use 2no. IK Pins Ø16 to secure the IK Waler L. Secure the IK Pins with the Spring Cotter Pins.



INFRA-KIT

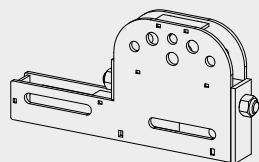
Application & use

8

Connecting IK Walers L and M

Attaching the IK Adjustable Connector to an IK Waler L

Components needed:



1no. IK Adjustable Connector
(code:608850)

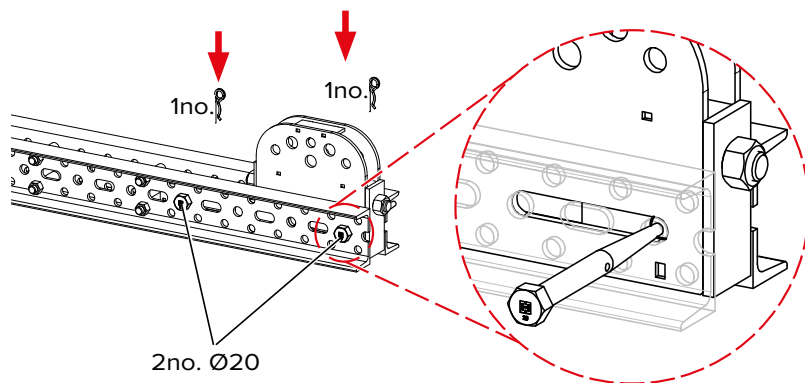


3no. IK Pins Ø20
(code:608820)



3no. Spring Cotter Pins 4
(code:173776)

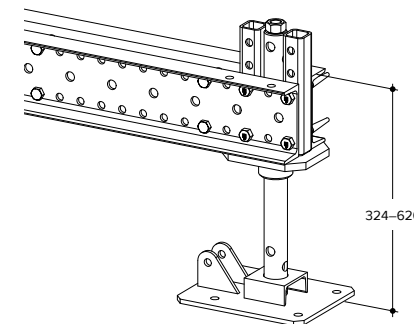
Step 1 Slide the IK Adjustable Connector into the Waler L and fasten with 2no. IK Pins Ø20. Secure the IK Pins with the Spring Cotter Pins.



Attaching jacks and bases

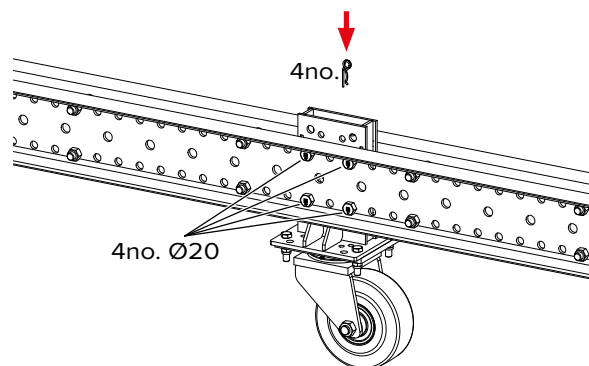
The IK Jacks are used to securely position the INFRA-KIT assemblies on the ground and adjust the height.

The IK Wheel Connector and the Heavy-duty Castors can be used to create mobile INFRA-KIT assemblies. Use the IK Jacks to raise and lower the assemblies.



Attaching the Heavy-duty Castors to IK Wheel Connector L/M

Step 1 Slide the IK Wheel Connector into the Waler M and fasten with 2no. IK Pins Ø20. Secure the IK Pins with the Spring Cotter Pins.



Application & use

- › Tunnel construction
- › Bridge and civil construction
- › Renovation
- › Heavy-duty towers
- › Temporary passages
- › Solid slabs

INFRA-KIT®
integrates with

- › PROTECTO side protection
- › MODEX side protection
- › Load-bearing frame prop

INFRA-KIT

Engineering-Services

Phase 1
We analyse the situation.

Phase 2
We develop the technical drawings and calculate the costs.

We can design the most complex projects on your behalf quickly and thoroughly. Starting with the ground plan and facade dimensions, we produce the required structural drawings, determine the precise quantities of materials and supply all the required quantity lists.

We help in finding the right safety and access solution. Transparency, flexibility, cost-effectiveness and safety are a matter of course for us and an integral part of our corporate philosophy.

Whatever it takes! We assist you throughout complex construction projects including the engineering of one-off structures. Our mission at all times is to protect you from any unnecessary risks and help you arrive at the best-possible results in every respect.

Phase 3
We plan and implement the realisation.

Phase 4
We assist with project finalisation.