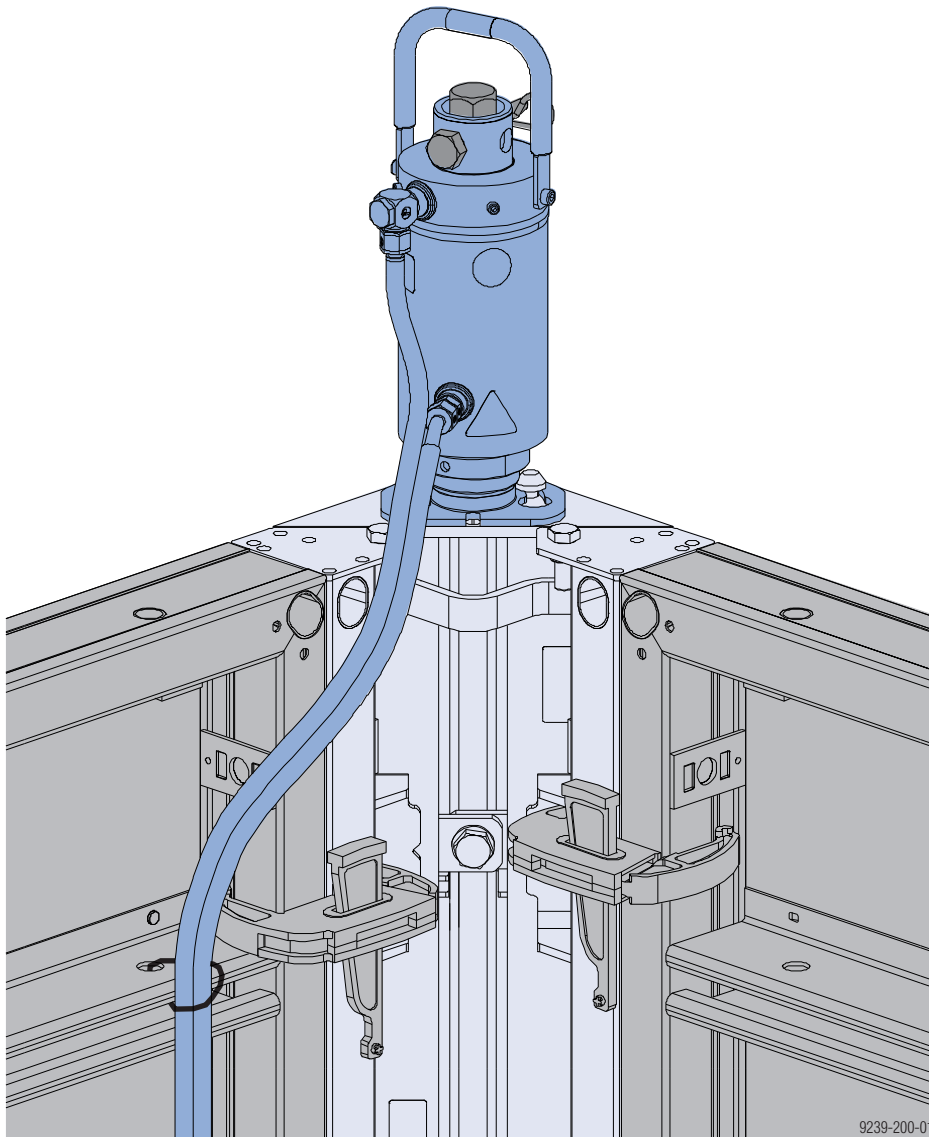


The Formwork Experts.

Framax stripping corner I hydraulic

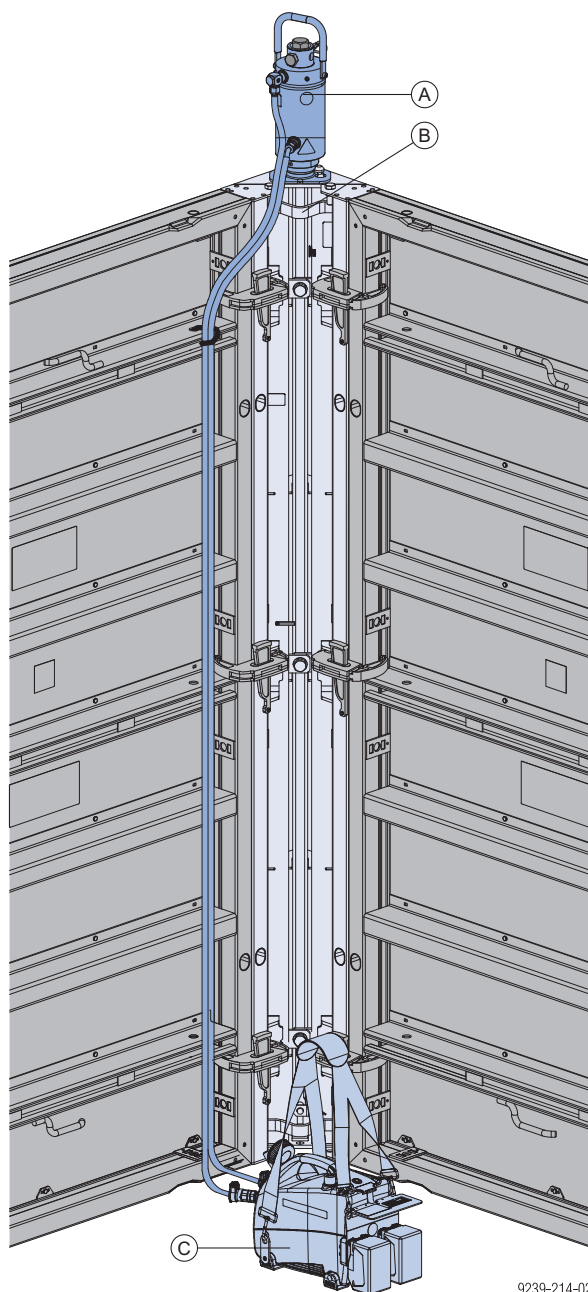
Original Operating Instructions

Please retain for future reference



9239-200-01

Product presentation



9239-214-02

A Framax stripping cylinder I NG2**B** Framax stripping corner I

C Battery hydraulic unit V2.5 200bar DA
 Hydraulic unit Framax V4 or
 Hydraulic unit V45 50/60Hz or
 Hydraulic unit SCP V1200 50/60Hz

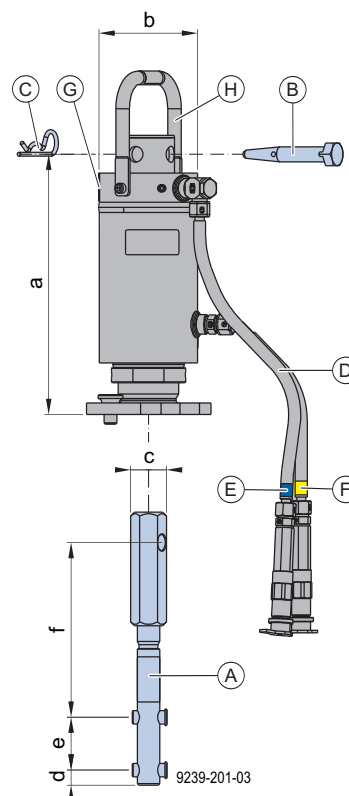


Follow the directions in the User Information booklet of the formwork system that is being used!

Data on type plate

CE		
Designation: Framax stripping corner I hydraulic		
Max. cylinder force:	10000 kg	22000 lbs
Year of manufacture: see rating plate		

Framax stripping cylinder I NG2



a ... Adjusting range between 342 mm and 438 mm

b ... $\varnothing 130$ mm

c ... width across flats 41

d ... 20 mm

e ... 70 mm

f ... Adjusting range between 217.5 mm and 242.5 mm

A Adapter for Framax stripping corner I**B** Connecting pin 10cm**C** Spring cotter 5mm**D** Pair of hydraulic hoses 4.0m

(pre-mounted on Framax stripping cylinder I NG2)

E Flatface BG2 connector (coloured blue)**F** Flatface BG2 connector (coloured yellow)**G** Rating plate**H** Handle, swivelling

As-delivered condition:

The Adapter for Framax stripping corner I is pinned to the Framax stripping cylinder with a Connecting pin 10cm and secured with a Spring cotter 5mm.

Max. cylinder force: 10000 kg (22000 lbs)



WARNING

Do not use the handle as a lifting point for crane transport of the Framax stripping cylinder and the formwork!

Danger of formwork dropping from crane!

► Use only suitable lifting accessories and slinging points.

Intended use

The Framax stripping cylinder I NG2 is for hydraulic actuation of the Framax stripping corner I. With the 'Framax stripping corner I hydraulic', formwork up to 5.40 metres high can be set up and stripped without the application of manual force.

Depending on requirements, the Framax stripping cylinder can be combined with various hydraulic units and accessories

Compatible hydraulic units

- Battery hydraulic unit V2.5 200bar DA
- Hydraulic unit Framax V4 with Battery nut runner 18 V (1800 rpm)
- Hydraulic unit V45 50/60Hz with System-pressure controller Xclimb 60 V45
- Hydraulic unit SCP V1200 50/60Hz with Coupling adapter Framax stripping cylinder I

(intended use)



NOTICE

- Other use or use not in conformity with that stated above is non-intended use and requires the prior written approval of the Doka company!

Boundary conditions for use



NOTICE

The Framax stripping cylinder I NG2 is suitable for deployment at outside temperatures of between -5 °C and +55 °C.

Putting into service at temperatures below -5 °C is not permissible, as the hydraulic oil would be too viscous.

Maintenance & inspection



NOTICE

- Doka accepts no liability for products that have been altered!
- Repairs may be carried out only by Doka or specialist companies authorised by Doka!
- The Framax stripping cylinder I NG2 must be inspected by an expert once a year.

Storage



NOTICE

To avoid damage, take note of the following points:

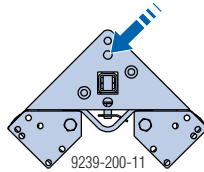
- Store drive components protected against direct weather influences and aggressive substances.
- Always transport and store drive components in their retracted state.
- Do not transport or store drive components with other sharp-edged and heavy items.
- Always store hydraulic hoses free of kinks.

Assembly



NOTICE

- Install the stripping cylinder only when the Framax stripping corner I is in the installed position.
- Stripping cylinders must always be fully retracted for installation.
- It is not permissible to install the stripping cylinder on a stripping corner that does not have a hole for the locking pin!
This hole is a standard feature of all stripping corners manufactured from 2005 onward.



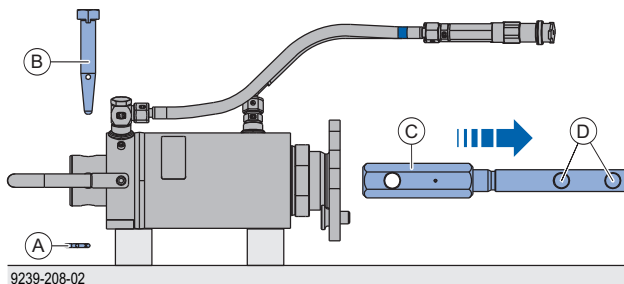
- To prevent abrasion or trapping damage, the hydraulic hoses must be secured to the neighbouring formwork panel and properly laid and arranged.
- Bending radii < 10 cm are not permissible.



NOTICE

Remove the adapter with the stripping cylinder laid on its side.

- Carefully lay the stripping cylinder on its side.
- Remove Spring cotter 5mm and Connecting pin 10cm.
- Remove the adapter from the cylinder.
- Remove both Connecting pins D17.5.



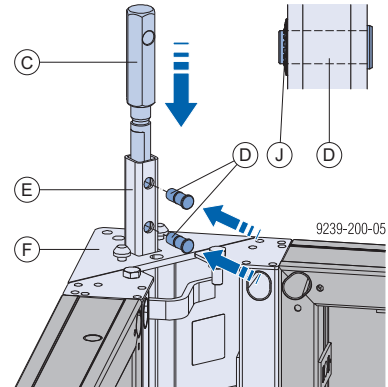
- A Spring cotter 5mm
- B Connecting pin 10cm
- C Adapter for Framax stripping corner I
- D Connecting pin D17.5

- Push the adapter into the push-rod of the stripping corner and pin it into position with two Connecting pins D17.5.



NOTICE

- Installation of the disc springs is necessary only for operation with full complement! See the section headed 'Operation of the Framax stripping corners I in full complement'.
- Secure both Connecting pins D17.5 with Schnorr disc springs.

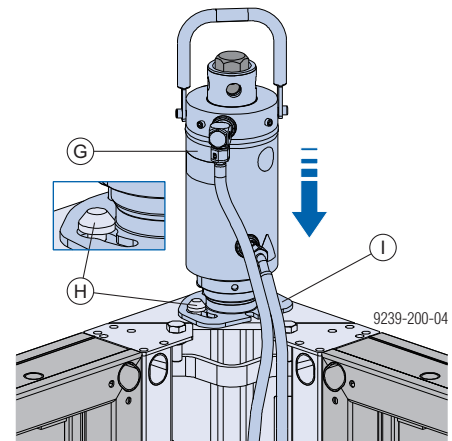


- C Adapter for Framax stripping corner I
- D Connecting pin D17.5
- E Push-rod
- F Framax stripping corner I
- J Schnorr disc spring K D27.7/D17.3/0.35



NOTICE

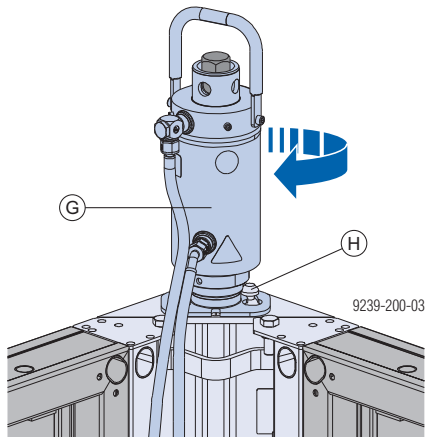
- It is not permissible to install the adapter in the push-rod with only one Connecting pin D17.5.
- Place the stripping cylinder on the centring stud of the stripping corner.



- G Framax stripping cylinder I NG2
- H Centring stud of stripping corner
- I Assembly plate

The centring studs must be seated in the recesses of the assembly plate.

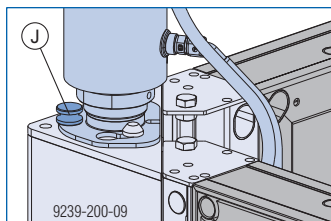
- ▶ Twist the stripping cylinder clockwise until fully engaged.



G Framax stripping cylinder I NG2

H Centring stud of stripping corner

- ▶ Push the locking pin into the hole in the stripping corner.



J Locking pin

Note:

The locking pin acts as anti-twist lock for the stripping cylinder.



CAUTION

Danger of crushing!

- ▶ No body parts or objects between hydraulic cylinder and assembly plate.

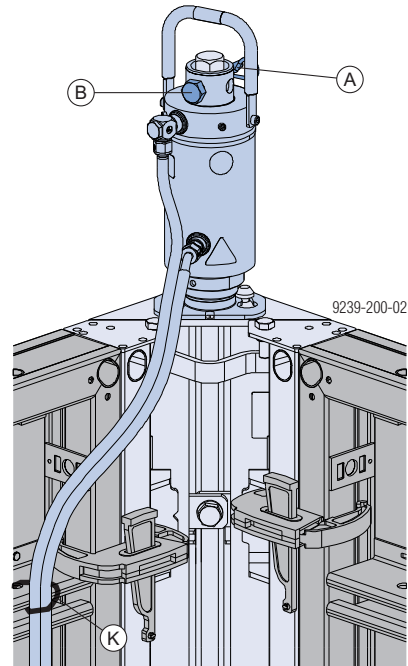
- ▶ Turn the adapter until it is level with the hole of the stripping cylinder.



Tighten or back off the hexagon nut (width across flats 41 mm) of the adapter to facilitate insertion of the Connecting pin 10cm into the stripping cylinder.

Spanner size (width across flats): 41 mm

- ▶ Insert Connecting pin 10cm into the stripping cylinder and the adapter and secure with Spring cotter 5mm.



A Spring cotter 5mm

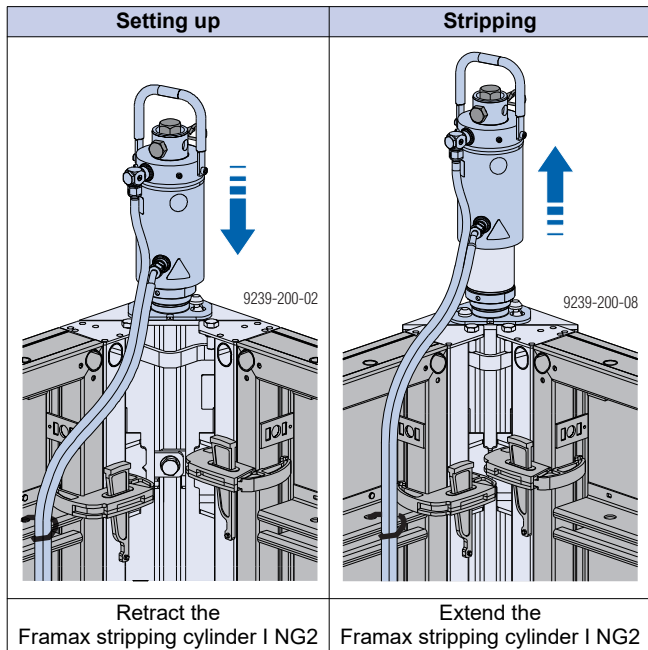
B Connecting pin 10cm

K Fixing

- ▶ Fix both hydraulic hoses to the neighbouring formwork panel and route them correctly.
- ▶ Install hydraulics.
- ▶ Put into operation.

Operation of the Framax stripping corner I hydraulic

- Start up the hydraulic unit.



Dismantling



NOTICE

Stripping cylinders must always be fully retracted for installation.

- Remove the Connecting pin 10cm.
- Retract the stripping cylinder.
- Switch off the hydraulic unit and disconnect the hydraulic hoses.
- Lift the stripping cylinder clear.
- Remove the adapter.
- Position pins D17.5 in the adapter holes.



NOTICE

Install the adapter with the stripping cylinder laid on its side.

- Carefully lay the stripping cylinder on its side.
- Slip the disc springs on to the Spring cotter 5mm to keep them safe.
- Pin the adapter into the stripping cylinder with Connecting pin 10cm and secure with Spring cotter 5mm.

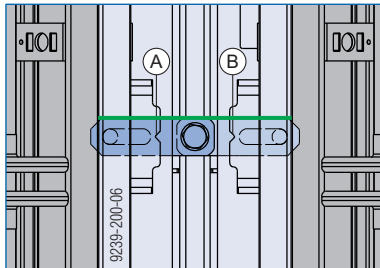
Operation of the Framax stripping corners I in full complement

In the full-complement configuration, one Framax stripping cylinder I NG2 is permanently installed on each Framax stripping corner I.

Adjustment of the Framax stripping cylinder I NG2

Note:

In the initial position, the stripping cylinder must be fully retracted and holding plates A and B of the stripping cylinder must be horizontal.



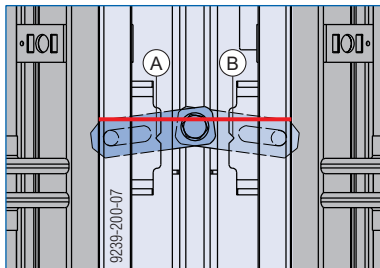
A Holding plate A

B Holding plate B

Note:

Always adjust only one stripping cylinder at a time.

If holding plates A and B point up, the following steps are necessary:



A Holding plate A

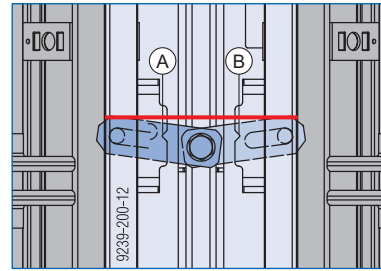
B Holding plate B

- 1) Remove the Connecting pin 10cm.
- 2) Back off the hexagon nut (width-across 41 mm) by the desired difference.
- 3) Extend the stripping cylinder until the Connecting pin 10cm can be reinstalled.
- 4) Secure each Connecting pin 10 cm with a Spring cotter 5mm.
- 5) Fully retract the stripping cylinder.



Check that the holding plates are horizontal.
If necessary, repeat steps 1 to 5.

If holding plates A and B point down, the following steps are necessary:



A Holding plate A

B Holding plate B

- 1) Extend the stripping cylinder until holding plates A and B of the stripping corner are horizontal.
- 2) Remove the Connecting pin 10cm.
- 3) Retract the stripping cylinder.
- 4) Tighten hexagon nut SW41 (width-across 41 mm) until the Connecting pin 10cm can be re-inserted.
- 5) Secure each Connecting pin 10 cm with a Spring cotter 5mm.



Check that the holding plates are horizontal.
If necessary, repeat steps 1 to 5.

Operation of multiple stripping corners with one stripping cylinder

Repositioning operation for stripping

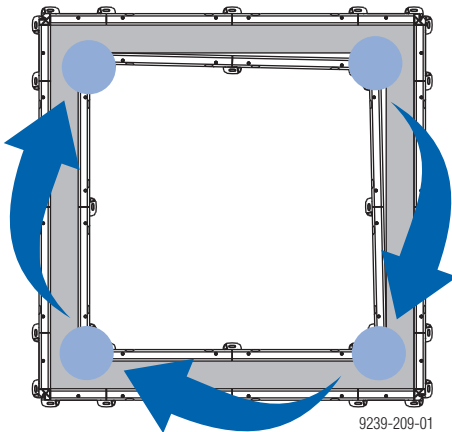
- ▶ Remove the Connecting pin 10cm.
- ▶ Retract the stripping cylinder and lift it clear.
- ▶ Remove the adapter and install at the next stripping corner.



Equip each stripping corner with a separate adapter.

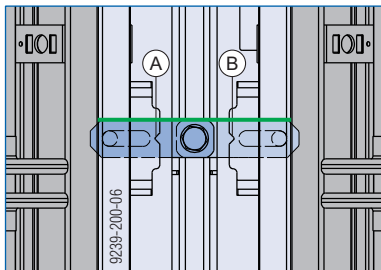
This simplifies the repositioning operation of the stripping cylinder and enables the stripping corner to be fixed in the stripped condition.

- ▶ Mount the stripping cylinder on the next stripping corner.
- ▶ Insert Connecting pin 10cm into the stripping cylinder and the adapter and secure with Spring cotter 5mm.



Repositioning operation for setting up the formwork

- ▶ Install the stripping cylinder on the stripping corner.
- ▶ Insert Connecting pin 10cm into the stripping cylinder and the adapter and secure with Spring cotter 5mm.
- ▶ Retract the stripping cylinder until the holding plates of the Stripping corner I are horizontal or until the Stripping corner I is fully installed in the formwork.



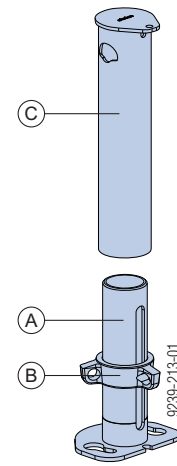
A Holding plate A

B Holding plate B

Note:

Before prolonged work-breaks, use the fixing unit to secure the position of the stripping corner.

Fixing unit for Framax stripping corner I



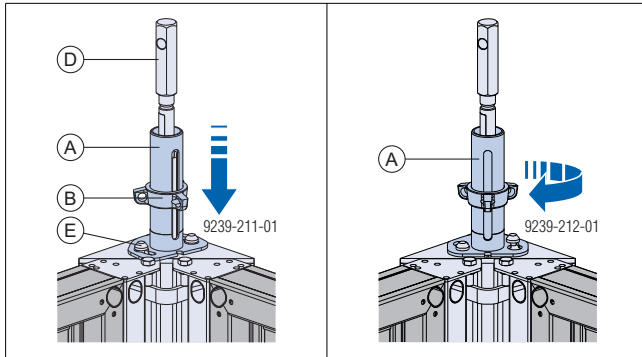
A Spindle tube

B Spindle nut

C Pegging tube

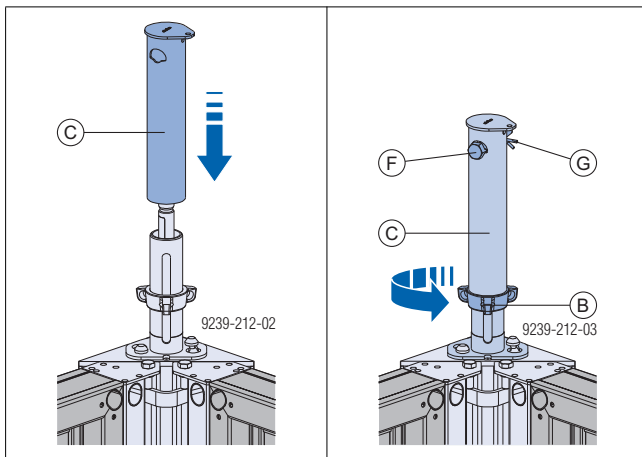
Mounting the Fixing unit for Framax stripping corner I

- Remove the pegging tube from the fixing unit.
- Place the spindle tube on the centring stud of the stripping corner.
- Twist the spindle tube clockwise until fully engaged.



- A Spindle tube
- B Spindle nut
- D Adapter for Framax stripping corner I
- E Centring stud of stripping corner

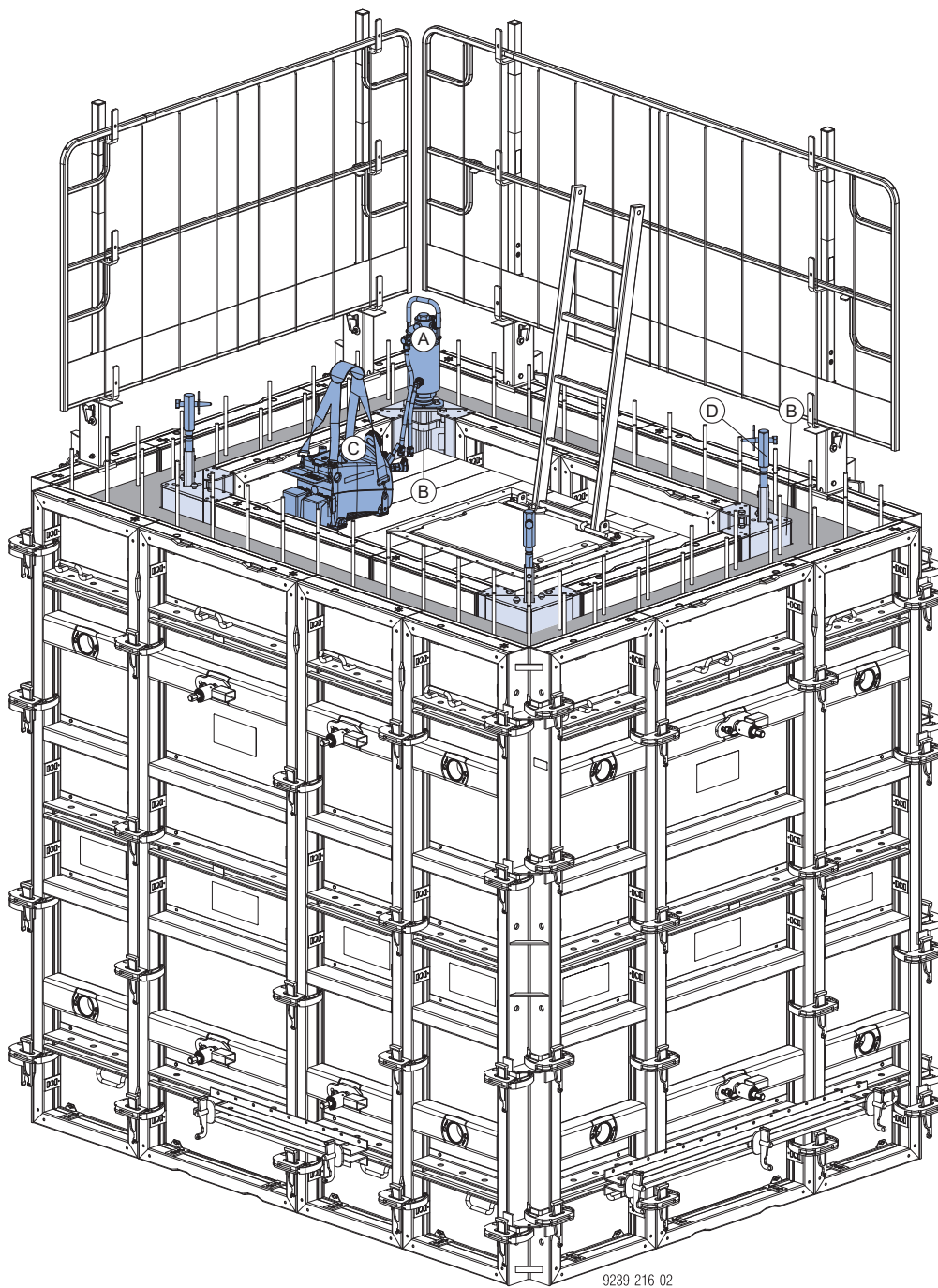
- Push the pegging tube over the thread of the spindle tube.
- Insert Connecting pin 10cm through the pegging tube and the Adapter for Framax stripping corner I and secure with Spring cotter 5mm.
- Tighten the spindle nut against the pegging tube.



- B Spindle nut
- C Pegging tube
- F Connecting pin 10cm
- G Spring cotter 5mm

Practical example

Shaft with one Framax stripping cylinder I NG2 and three additional Adapters for Framax stripping corner I.



Shown here with no guardrail system along the front

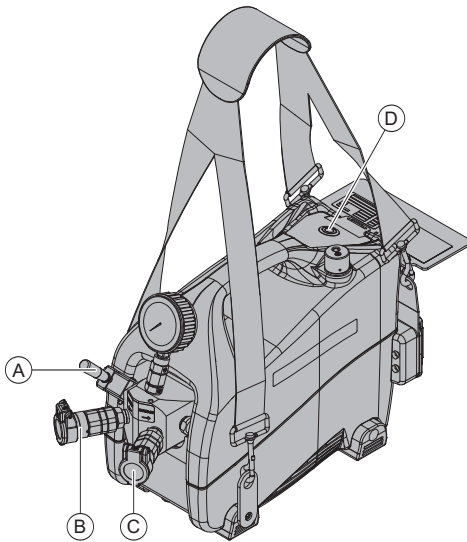
- A** Framax stripping cylinder I NG2
- B** Framax stripping corner I
- C** Battery hydraulic unit V2.5 200bar DA
- D** Adapter for Framax stripping corner I

Note:

Alternatively, the shaft can be fitted with four Framax stripping cylinders I (full complement).

Compatible hydraulic units

Battery hydraulic unit V2.5 200bar DA



- A** Control-valve lever
- B** Flatface BG2 sleeve (blue)
- C** Flatface BG2 sleeve (yellow)
- D** ON/OFF push-button



NOTICE

- Invariably, only one stripping cylinder can be operated with the Battery hydraulic unit V2.5 200bar DA.
- The oil capacity is sufficient for extending 6 stripping cylinders, one after the other.



Follow the 'Battery hydraulic unit V2.5 200bar DA' and 'Charger 28V / Battery 28V 3Ah' Operating Instructions!

Start-up:



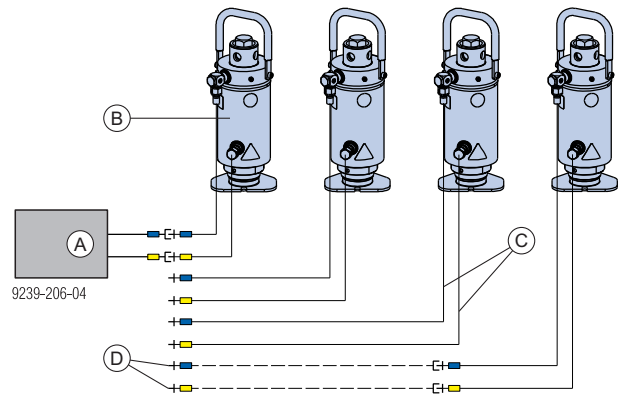
NOTICE

- At least one fully charged battery must be inserted for start-up.

- Press the push-button on the top of the unit to switch on.
Push-button lights up white and the motor starts to run.
- Route the pair of hydraulic hoses from the stripping cylinder to the Battery hydraulic unit V2.5 200bar DA and connect the hoses.

Note:

The couplings on the Battery hydraulic unit V2.5 200bar DA and the couplings on the pair of hydraulic hoses are colour-coded.



- A** Battery hydraulic unit V2.5 200bar DA
- B** Framax stripping cylinder I NG2
- C** Pair of hydraulic hoses
(pre-mounted on Framax stripping cylinder I NG2)
- D** Pair of hydraulic hoses stripping cyl. 5.00m (optional)

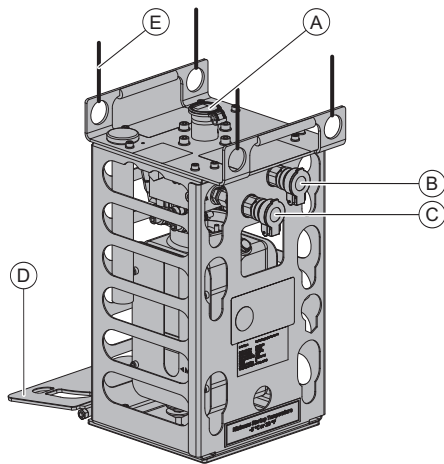
Stripping	Setting up
<p>9239-214-03</p>	<p>9239-214-03</p>
Push the control valve lever to the left Stripping cylinder extends	Push the control valve lever to the right Stripping cylinder retracts



NOTICE

After each setting up or stripping operation, the pair of hydraulic hoses of the stripping cylinder have to be disconnected from the hydraulic unit.

Hydraulic unit Framax V4



- A** Drive hexagon socket (width-across 8mm)
- B** Flatface BG2 sleeve (yellow)
- C** Flatface BG2 sleeve (blue)
- D** Baseplate
- E** Carrying strap, adjustable



Follow the directions in the 'Hydraulic unit Framax V4' Operating Instructions!

- Route the Pair of hydraulic hoses from the stripping cylinder to the Hydraulic unit Xclimb 60 V45 50/60Hz and connect the hoses.

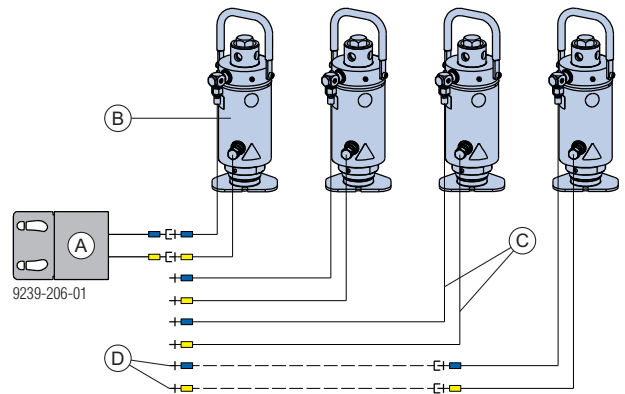


NOTICE

- Invariably, only one stripping cylinder can be operated with the Hydraulic unit V4.
- The oil capacity is sufficient for extending 6 stripping cylinders, one after the other.

Note:

The couplings on the Hydraulic unit Framax V4 and the couplings on the pair of hydraulic hoses are colour-coded.



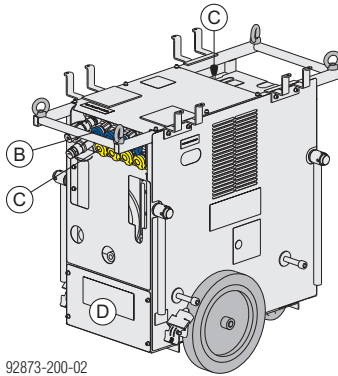
- A** Hydraulic unit Framax V4
- B** Framax stripping cylinder I NG2
- C** Pair of hydraulic hoses
(pre-mounted on Framax stripping cylinder I NG2)
- D** Pair of hydraulic hoses stripping cyl. 5.00m (optional)



NOTICE

After each setting up or stripping operation, the pair of hydraulic hoses of the stripping cylinder have to be disconnected from the hydraulic unit.

Hydraulic unit Xclimb 60 V45 50/60Hz

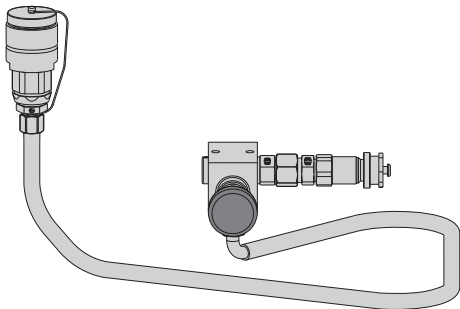


- A** 'Lift' and 'Lower' hand lever
- B** 4 pressure-side connections (Lift) Flatface BG2 sleeve (blue)
- C** 4 pressure-side connections (Lower) Flatface BG2 sleeve (yellow)
- D** Accessories cover



NOTICE

System pressure controller Xclimb 60 V45 must be installed for the stripping cylinder to be operated with the Hydraulic unit Xclimb 60 V45 50/60Hz.



Required system pressure: 200 bar



Follow the directions in the 'Hydraulic unit Xclimb 60 V45 50/60Hz' Operating Instructions!

- Route the Pair of hydraulic hoses from the stripping cylinder to the Hydraulic unit Xclimb 60 V45 50/60Hz and connect the hoses.



NOTICE

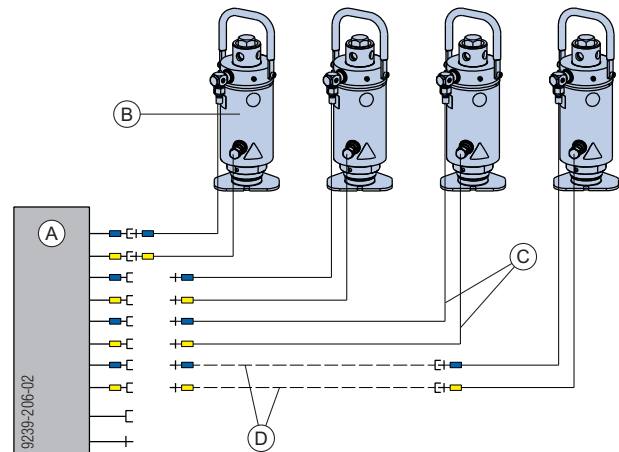
Invariably, only one stripping cylinder can be connected to and operated with the Hydraulic unit Xclimb 60 V45 50/60Hz!

Exception:

- No one in the danger zone!
- Setting up and stripping operations are under observation at all times!

Note:

The couplings on the Hydraulic unit Xclimb 60 V45 50/60Hz and the couplings on the pair of hydraulic hoses for stripping cylinder are colour-coded.



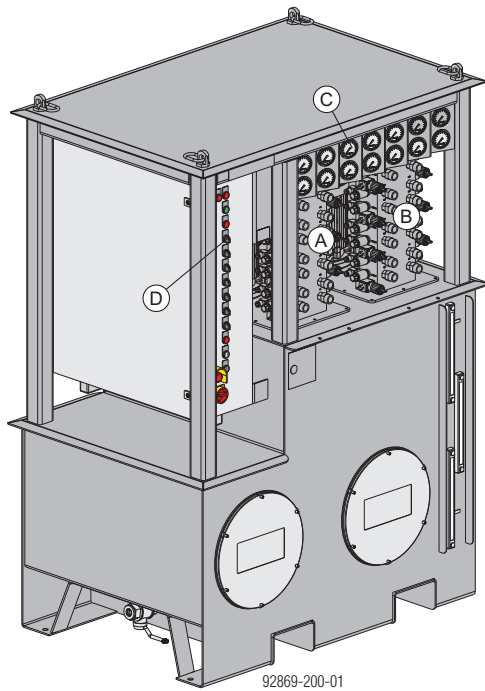
- A** Hydraulic unit Xclimb 60 V45 50/60Hz
- B** Framax stripping cylinder I NG2
- C** Pair of hydraulic hoses (pre-mounted on Framax stripping cylinder I NG2)
- D** Pair of hydraulic hoses stripping cyl. 5.00m (optional)



NOTICE

After each setting up or stripping operation, the pair of hydraulic hoses of the stripping cylinder have to be disconnected from the hydraulic unit.

Hydraulic unit SCP V1200 50/60Hz

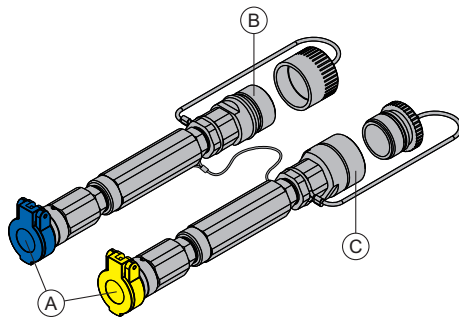


- A Valve block with motor for pump unit 1
- B Valve block with motor for pump unit 2
- C Manometer for system pressure – Cylinder 1, 2, ... (14)
- D Pre-selector switches for hydraulic circuits 1 - 14



NOTICE

Coupling adapter B Framax stripping cyl. I has to be used for operating the stripping cylinder with the Hydraulic unit SCP V1200 50/60Hz.



- A Flatface BG2 sleeve
- B Threaded coupling SKS BG3 (connector)
- C Threaded coupling SKS BG3 (sleeve)



Follow the directions in the 'Hydraulic unit SCP V1200 50/60Hz' Operating Instructions!

- Route the Pair of hydraulic hoses from the stripping cylinder to the Hydraulic unit Xclimb SCP V1200 50/60Hz and connect the hoses.



NOTICE

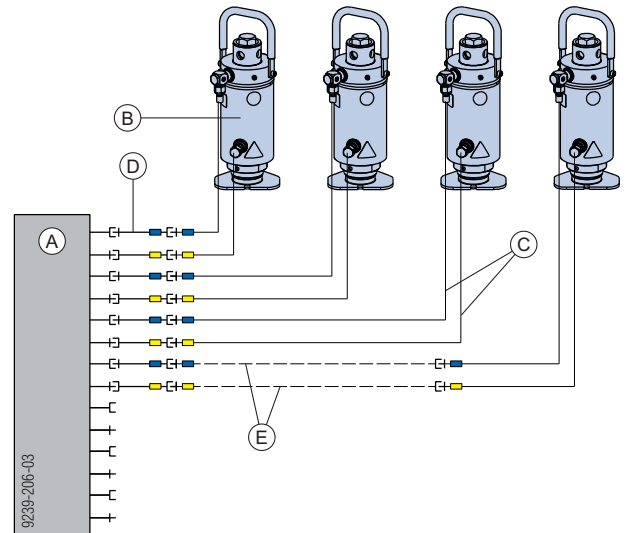
Invariably, only one stripping cylinder can be operated with the Hydraulic unit SCP V1200 50/60Hz!

Exception:

- No one in the danger zone!
- Setting up and stripping operations are under observation at all times!

Note:

The couplings on the coupling adapter and the couplings on the pair of hydraulic hoses for stripping cylinder are colour-coded.



- A Hydraulic unit SCP V1200 50/60Hz
- B Framax stripping cylinder I NG2
- C Pair of hydraulic hoses (pre-mounted on Framax stripping cylinder I NG2)
- D Coupling adapter B Framax stripping cyl. I
- E Pair of hydraulic hoses stripping cyl. 5.00m (optional)



NOTICE

After each setting up or stripping operation, the pair of hydraulic hoses of the stripping cylinder have to be disconnected from the hydraulic unit.



EC Declaration of Conformity
pursuant to EC Directive 2006/42/EC.

The manufacturer declares that by reason of its conception and design, the following product

Framax stripping corner I hydraulic

conforms – in the version marketed by ourselves – to the pertinent fundamental health and safety stipulations of the relevant EC Directives.

The following harmonised standards were applied:

- EN ISO 12100:2010
- EN ISO 13854:2019
- EN ISO 4413:2010

**Person authorised to compile technical documentation
(pursuant to European Directive on Machinery Annex II):**







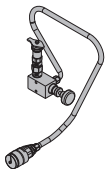
Robert Hauser
Josef Umdasch Platz 1
A-3300 Amstetten

Amstetten, 06/12/2021

Doka GmbH
Josef Umdasch Platz 1
A-3300 Amstetten

Robert Hauser
CEO

Sebastian Dorda
Vice President
Strategy & Innovation

	[kg]	Article N°		[kg]	Article N°
Framax stripping corner I 2.70m Framax stripping corner I 1.35m Framax stripping corner I 3.30m Framax-Ausschalecke I Galvanised, powder-coated	171.0 90.0 209.9	588675000 588614000 588676000		15.8	583499000 Akku-Hydraulikaggregat V2.5 200bar DA Length: 56.2 cm Width: 20.5 cm Height: 31.4 cm Follow the directions in the "Operating Instructions"!
Framax stripping cylinder I NG2 Framax-Ausschalzylinder I NG2 Painted yellow Width: 16 cm Height: 45.2 cm Follow the directions in the "Operating Instructions"!	30.0	588980500		1.0	584675000 Battery 28V 3Ah Akku 28V 3Ah
Framax stripping cylinder I Framax-Ausschalzylinder I Painted yellow Width: 16 cm Height: 45.2 cm Follow the directions in the "Operating Instructions"!	29.0	588980000		1.1	584676000 Charger 28V 230V Ladegerät 28V 230V Follow the directions in the "Operating Instructions"!
Adapter for Framax stripping corner I Adapter Framax-Ausschalecke I Galvanised	3.0	588989000		0.80	584677000 Charger 28V 110V Ladegerät 28V 110V Follow the directions in the "Operating Instructions"!
Fixing unit for Framax stripping corner I Fixiereinheit Framax-Ausschalecke I Galvanised	5.3	588990000		20.5	588981000 Hydraulic unit Framax V4 Hydraulikaggregat Framax V4 Painted yellow Length: 30 cm Width: 26 cm Height: 48 cm Follow the directions in the "Operating Instructions"!
Pair of hydraulic hoses stripping cyl. 5.00m Hydraulikschlauchpaar Ausschälzylinder 5,00m	5.2	588983000		321.0	581322000 Hydraulic unit Xclimb 60 V45 50/60Hz Hydraulikaggregat Xclimb 60 V45 50/60Hz Painted blue Length: 115 cm Width: 73 cm Height: 115 cm Follow the directions in the "Operating Instructions"!
				1.4	581329000 System-pressure controller Xclimb 60 V45 Systemdruckbegrenzer Xclimb 60 V45
					

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Near to you, worldwide

Doka is one of the world leaders in developing, manufacturing and distributing formwork technology for use in all fields of the construction sector.

With more than 160 sales and logistics facilities in over 70 countries, the Doka Group has a highly efficient distribution network which ensures that equipment and

technical support are provided swiftly and professionally.

An enterprise forming part of the Umdasch Group, the Doka Group employs a worldwide workforce of more than 6000.

