

WIRE CONTROL UNIT SERIES WK300 and WK350

OPTIMAL CONTROL IN TOUGHEST ENVIRONMENT



NEWS 2014

- NEW SWITCH OPTIONS
- METAL BASE
- NEW HANDGRIP



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The WK300 and WK350 are a new generation cable control joysticks designed to withstand today's machine operator's high demands for ergonomic design, low operating efforts and long life.

The WK300 is equipped with a ABS composite base optimized for agriculture applications while the WK350 has a metal plate that will allow its use in the roughest environment.

The joysticks design allows the hand lever, via its base plate, to operate directly on to the cable and thereby avoid any loss of stroke as with other conventional cable controls. This, in combination with low friction cables and low spring forces in the valve, allows the operator to utilize the entire lever stroke when operating the spool and thereby enhancing load control and safety.

All the parts including the base plate, the base foundation, the lever and the handgrips are designed and tested to withstand over 1 million cycles.

The WK300 and WK350 are both designed for the Nimco 4K-series cable which has a spherical ball attachment at the end of each cable that attaches to the base plate directly. This also eliminates any hysteresis in the joystick movements.

A new ergonomically designed handgrip allows for up to five electric switches. They are located in an optimal position to allow the operator to easily activate secondary functions without any interruption of the joystick position. On the top part of the handgrip is a transparent cover where a graphic containing the machine movements or other instructions can be integrated.

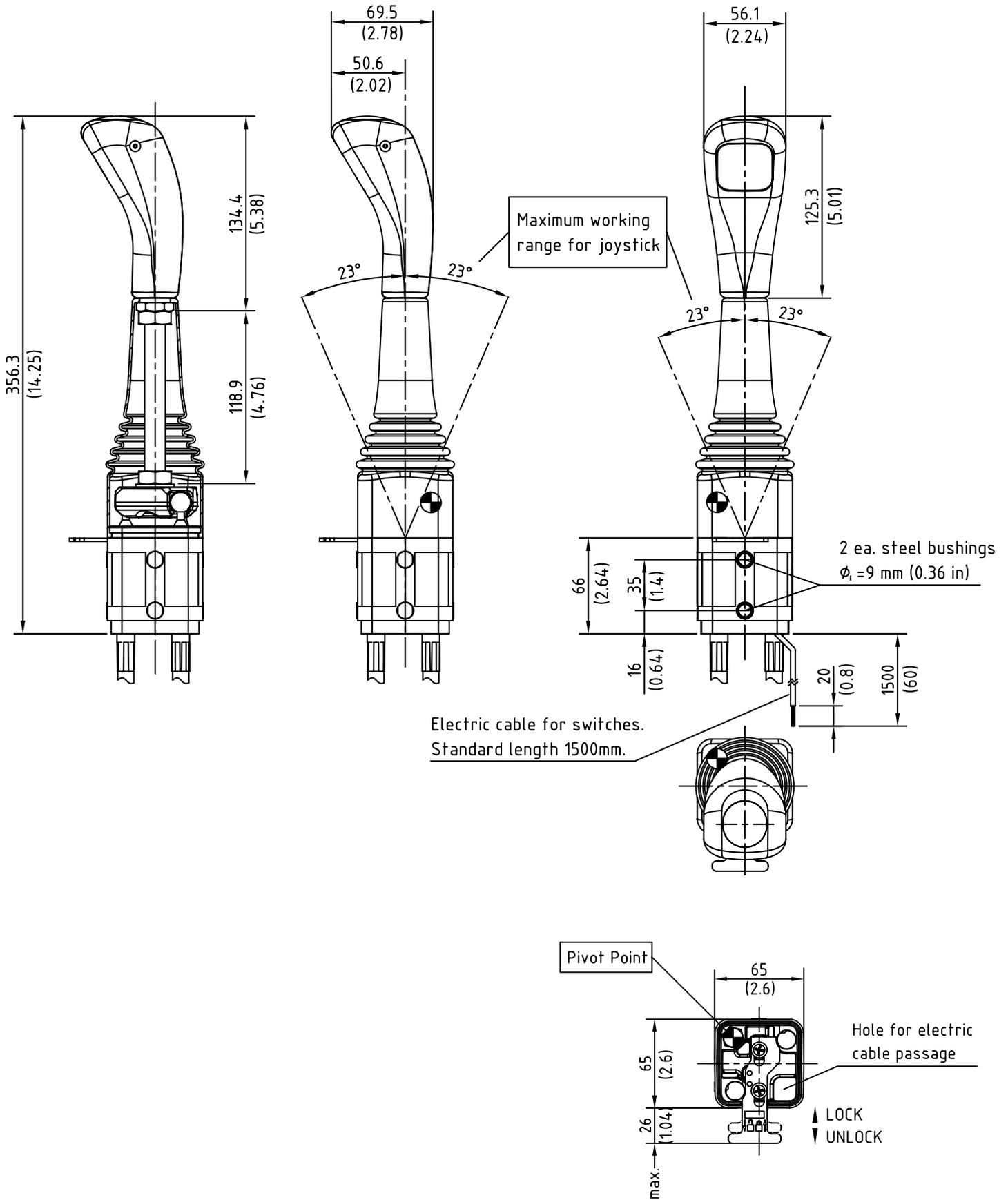
An easy to reach locking lever is integrated on the back of the base plate to secure the joystick from unwanted movements when the machine is transported. Changing the plate is eased by pre-mounted switches and electric cable.

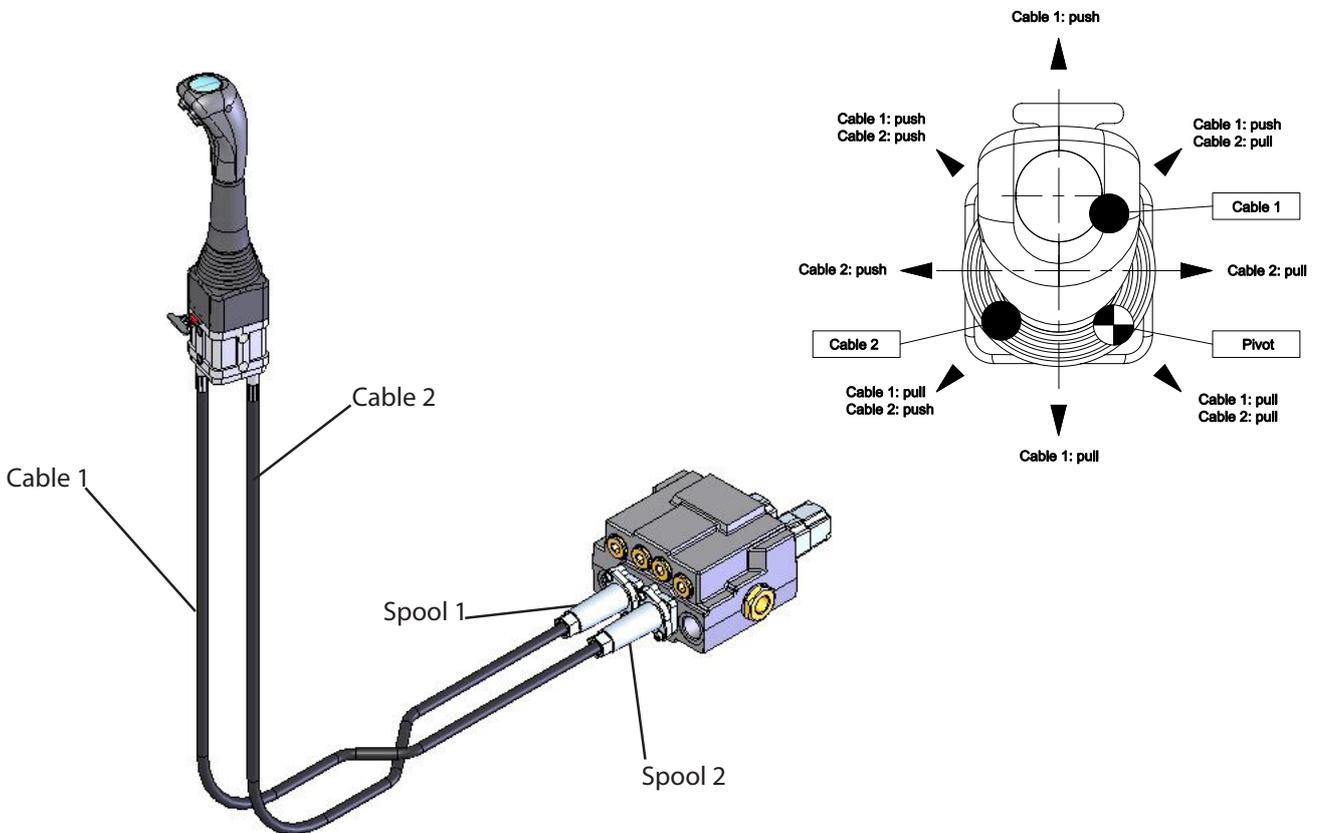
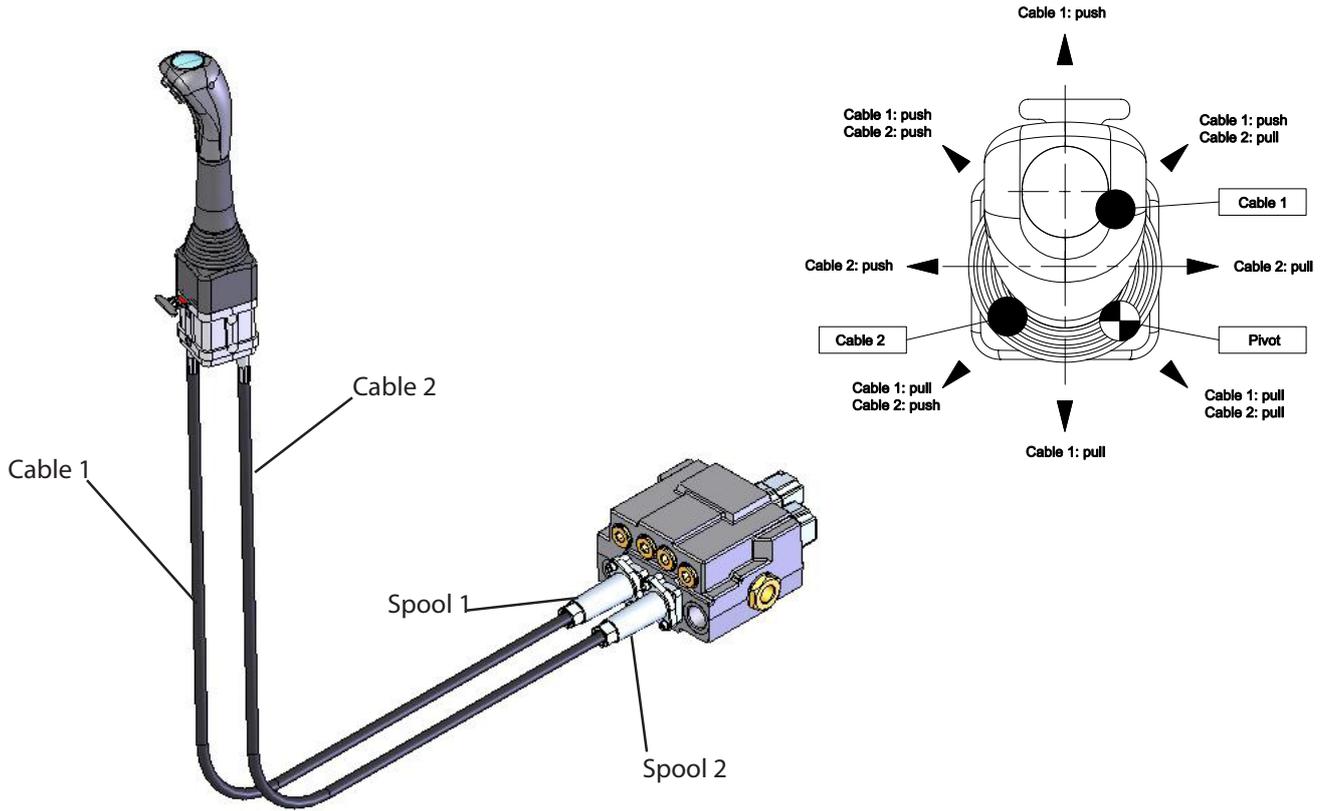
The WK300 and WK350 series can be used together with all of Nimco Control's valves having 3 position spools as well as 4th position spools such as float or regenerative functions.

Other key features of the WK300 and WK350 are:

- A specially enforced hand lever and handgrip where the steel rod goes all the way up through the hand lever
- The pivot joint made of stainless steel to withstand excessive operative abuse
- Square instead of rectangular base box which allows for both float and regen installation simultaneously
- A plastic cover on top of the handgrip allowing for the integration of a logo or machine movement description in clear operator view
- A full length rubber booth covering the entire hand lever from the base box to the hand lever made of self extinguishing and weather resistant plastic polymer
- A secure and easy to reach locking mechanism with clearly indicated warning signs
- Electric push buttons rated at 3M cycles and 12V, 6A for direct connection to any of Nimco's circuit selector valves.
- The push buttons are at high quality and will withstand rough environment
- Recommended for use in combination with Nimco's long life 4K cable series







Code	Type	A-side	B-side	Type	Code
9	Spring centered.			3W can be used with A-side controls 9, 10, 13 and 14.	3W
10	Detent in pos. 1, 2 and 3.				
11	Spring centered. Detent in pos. 4			4W can be used with A-side controls 11, 12 and 15.	4W
12	Spring centered. Detent in pos. 3 and 4				
13	Spring centered. Detent in pos. 2		<p>Cable 4K-series</p>		
14	Spring centered. Detent in pos. 3				
15	Spring centered. Detent in pos. 2 and 4				

Article No.	Product	Hangrip type	Description
Complete joystick			
11414-3S	WK-300-1-0	Black grip	JS without el. switch
11518-3S	WK-300-1-1	Black grip	JS with 1 el. switch
11519-3S	WK-300-1-2	Black grip	JS with 2 el. switches
11520-3S	WK-300-1-3	Black grip	JS with 3 el. switches
13960-3S	WK-300-1-0	S-Grip	JS without el. switch
13961-3S	WK-300-1-1	S-Grip	JS with 1 el. switch
13962-3S	WK-300-1-2	S-Grip	JS with 2 el. switches
13963-3S	WK-300-1-3	S-Grip	JS with 3 el. switches

Standard Grip
with up to three
electrical switches



S-Grip with up to three
electrical switches and optional
special switches for tractor
operation buttons



ABS Composite Base

Article No.	Product	Hangrip type	Description
Complete joystick			
11630-3S	WK-350-1-0	Black grip	JS without el. switch
11631-3S	WK-350-1-1	Black grip	JS with 1 el. switch
11632-3S	WK-350-1-2	Black grip	JS with 2 el. switches
11633-3S	WK-350-1-3	Black grip	JS with 3 el. switches
14640-3S	WK-350-2-0	S-Grip	JS without el. switch
14641-3S	WK-350-2-1	S-Grip	JS with 1 el. switch
14642-3S	WK-350-2-2	S-Grip	JS with 2 el. switches
14643-3S	WK-350-2-3	S-Grip	JS with 3 el. switches

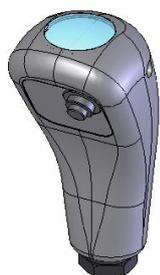
Standard Grip
with up to three
electrical switches



S-Grip with up to three
electrical switches and optional
special switches for tractor
operation buttons



Metal Base



Black grip only

11375-3S	WKG-1-0	Handgrip without el. switch
11453-3S	WKG-1-1	Handgrip with 1 el. switch
11454-3S	WKG-1-2	Handgrip with 2 el. switches
11455-3S	WKG-1-3	Handgrip with 3 el. switches



Electric exchange plates for Black Grip

11374-4K	WKEP-1-0	Plate without el. Switch
11515-4S	WKEP-1-1	Plate with 1 el. switch
11516-4S	WKEP-1-2	Plate with 2 el. switches
11517-4S	WKEP-1-3	Plate with 3 el. switches



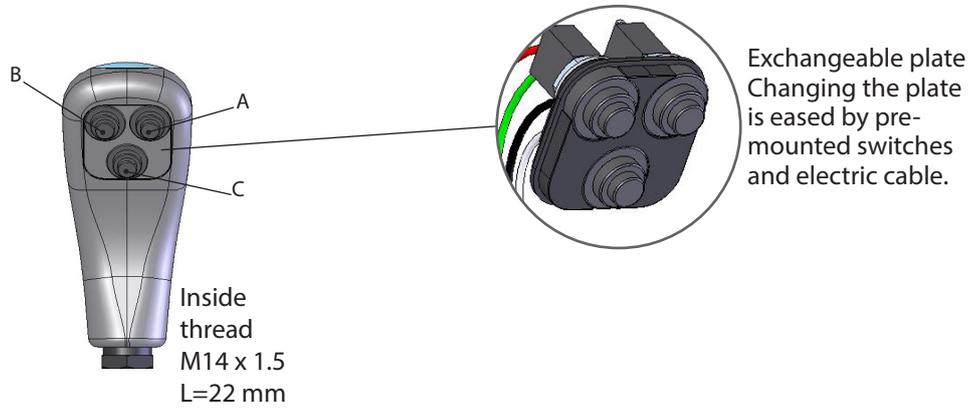
S-Grip grip only

11347-3S	WKG-2-0	Handgrip without el. switch
13948-3S	WKG-2-1	Handgrip with 1 el. switch
13949-3S	WKG-2-2	Handgrip with 2 el. switches
13950-3S	WKG-2-3	Handgrip with 3 el. switches



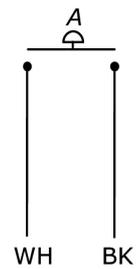
Electric exchange plates for S-Grip

11970-4k	WKEP-2-0	Plate without el. Switch
12023-4S	WKEP-2-1	Plate with 1 el. switch
12024-4S	WKEP-2-2	Plate with 2 el. switches
12025-4S	WKEP-2-3	Plate with 3 el. switches



Wiring Diagram one button

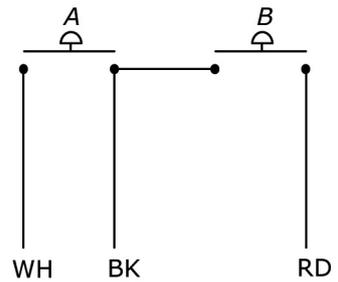
WH = white
BK = black





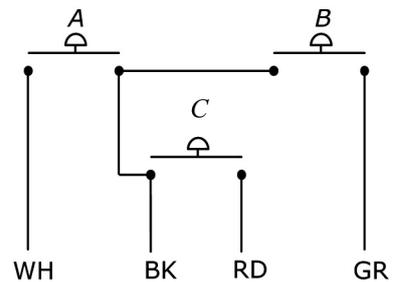
Wiring Diagram two switches

WH = white
BK = black
RD = red

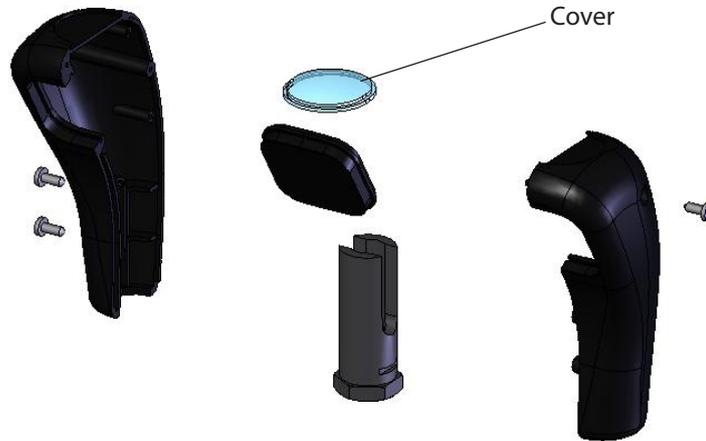


Wiring Diagram three switches

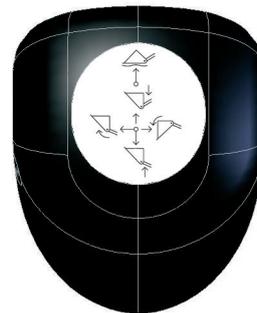
WH = white
BK = black
RD = red
GR = green



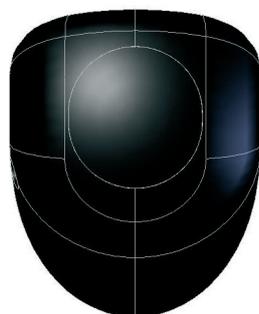
On the top part of the handgrip is a transparent cover. The handgrip comes with the Nimco logo or a movement diagram for front loader application as standard, but the customer can choose to integrate a specific print under the clear plastic cover.



Nimco logo



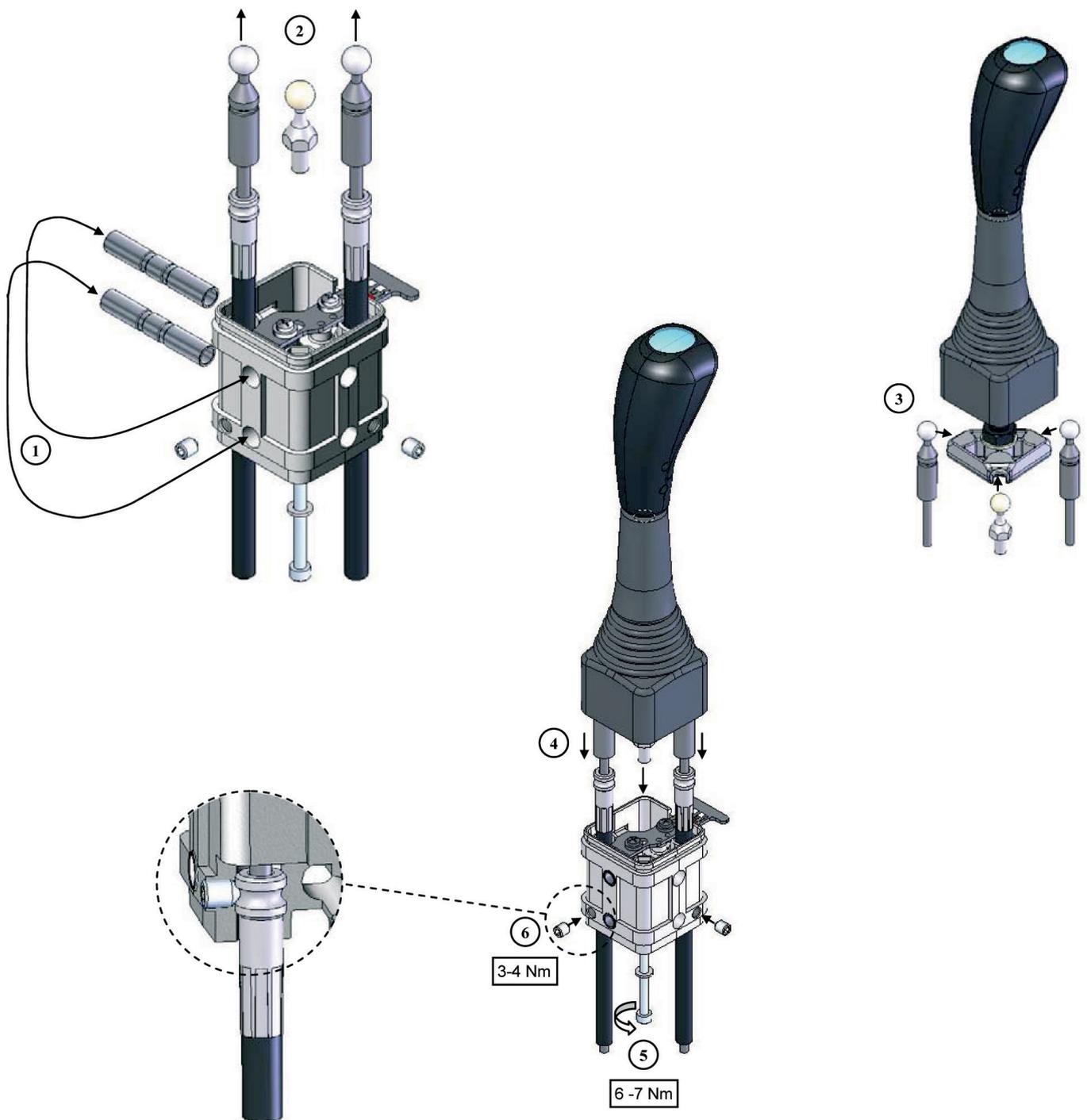
Front loaders diagram



Black



Customize



1. Place the two spacers in the desired position.
2. Pull out the security lock and draw the cables through the two holes in the housing.
3. Insert the cable joints and the pivot post in the yoke.
4. Push the cable joints and pivot post down into the housing.
5. Fasten the pivot post by assembling the screw and tightening it to 6-7 Nm using a 5 mm Allen wrench.
6. Lock the cables by tightening the two stop screws with 3-4 Nm using a 4 mm Allen wrench

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