

OPERATING MANUAL

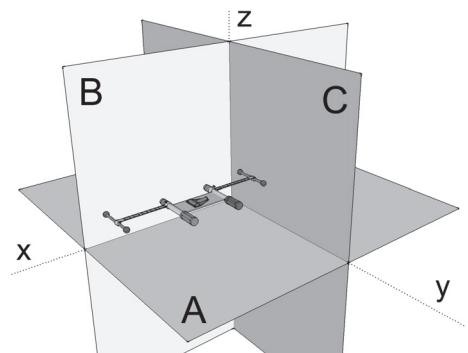


The **3D spirit-level** system is used for fast and accurate installation of concealed plumbing wall mounts and concealed taps (CF) into a brick wall, in three planes „A” „B” „C” and axes x, z, y.

- 1. horizontal position** plane A in the direction of axis x verified by **spirit-level No. 1**
- 2. vertical position** plane B in the direction of axis z verified by **spirit-level No. 2**
- 3. depth** plane C in the direction of axis y set by **2 threaded rods ø5 mm**

Use of the 3D spirit-level:

- concealed plumbing wall mounts with spacing 100mm, 150mm **(Fig. No. 1)**
- separate plumbing wall mount, e. g. overhead shower **(Fig. No. 2)**
- concealed plumbing wall mounts in parallel with shower pan **(Fig. No. 3)**
- concealed plumbing wall mounts under wash basin with spacing 80mm, 100mm, 150mm **(Fig. No. 4)**
- concealed taps (39 types)
 - with plastic cover – Hansgrohe, Hansa, Grohe, Ideal Standard, Kludi, Laufen, Rava, Mofém
 - without plastic cover – Herz, Jika, Roca, Rav, Raf
- installation of mounting rail – Ideal Standard, Hansa Matrix **(Fig. No. 5)**
- new building or renovation



Plumbing wall mounts and concealed taps are secured in the installation hole by plaster. The precision of the installation is checked continuously while the plaster is setting. Subsequent installation of the wall-mounted tap and the upper part of the concealed tap is accurate, fast and at a professional level.

Installation of concealed plumbing wall mounts with spacing of 100mm and 150mm.

(Fig. No. 1) (video No. 1A)

Place the **3D spirit-level** on a flat pad. Turn the rotating arms by 180°. Set the threaded rods on the rotating arms in a manner so that they touch the pad. The threaded rods are in one plane with the front face of the spirit-level – the assembly plane. The indicating line on the rotating arms shows a distance of 45mm from the assembly plane. The rotating arms are fixed in place by tightening the securing screws slightly. Place the **3D spirit-level** prepared in such manner up against the installed concealed plumbing wall mounts. Pull the $\frac{1}{2}$ " thread out of the body of the spirit-level and turn the head to tighten the installed plumbing wall mount to the **3D spirit-level**. Fasten the plumbing wall mounts into plaster. On the **3D spirit-level**, use level No. 1 to check the plumbing wall mounts in the horizontal position and level No. 2 in the vertical position. Use the threaded rods in contact with the masonry (assembly plane) to check the position of the plumbing wall mounts at the required depth. Install the plumbing wall mounts deeper, flush with the wall or in front of the wall as necessary (the outlets are in parallel with the wall). If the installation hole is greater than the range of the rotating arms at the installation site, screw magnets onto the threaded rods on which you have applied a sufficiently long UD profile (plasterboard profile not included in the case) to bridge over the installation hole. **(video No. 1B)**

FIG. No. 1

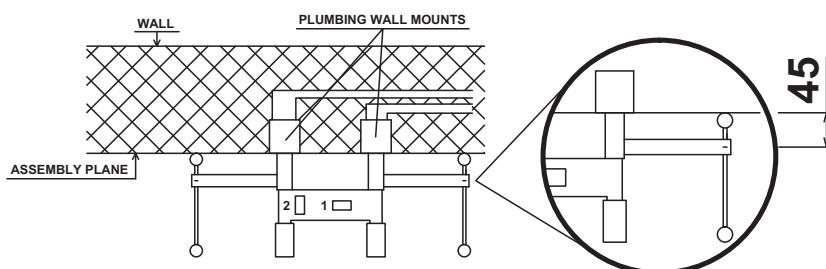
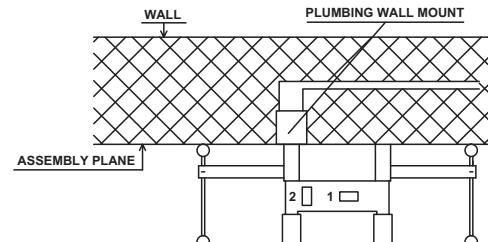


FIG. No. 2



When installing a separate concealed plumbing wall mount e.g. for the valve, outlets for hand-held or overhead shower, which has a 30 to 40 cm long arm, precise installation is very important. When installing a separate plumbing wall mount, use the **3D spirit-level** in the same way as in the previous part. Use level No. 2 to set the vertical position and use the threaded rods on the rotating arms to set the required depth and an angle of 90° on the wall. **(Fig. No. 2) (video No. 2A)**

For installation of concealed plumbing wall mounts in parallel with the shower pan and not the wall, which is the case when the corner in the shower enclosure is not at a right angle (90°), proceed as follows. **(Fig. No. 3) (video No. 1D)**

Attach the assembly plate to the **3D spirit-level** (150), move the **3D spirit-level** with the assembling plate at the same distance from the corner at which the plumbing wall mounts will be installed behind the edge of the shower pan (angle plate), then unscrew the threaded rods on the rotating arms to make them touch the wall. Remove the assembling plate and tighten the **3D spirit-level** to the installed plumbing wall mounts. The plumbing wall mounts will be installed in parallel with the shower pan's edge and not the wall.

Concealed plumbing wall mounts under wash basin with spacing of 80, 100, 150mm.

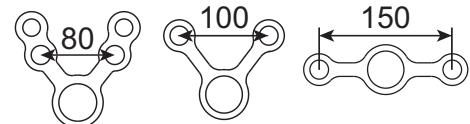
(video No. 1B-1C)

ASSEMBLING PLATE NO. 12 – wash basin

12/80 install plumbing wall mounts with a spacing of **80 mm** and the drain.

12/100 install plumbing wall mounts with a spacing of **100 mm** and the drain.

12/150 install plumbing wall mounts with a spacing of **150 mm** and the drain.



$\alpha < 90^\circ$
 $\alpha > 90^\circ$

FIG. No. 3

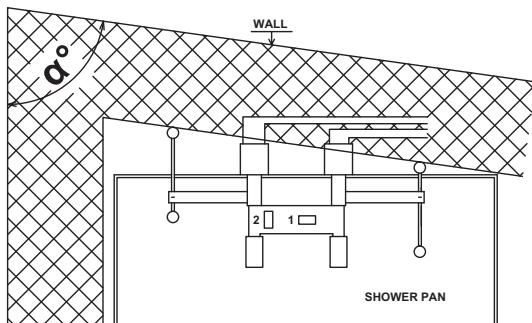
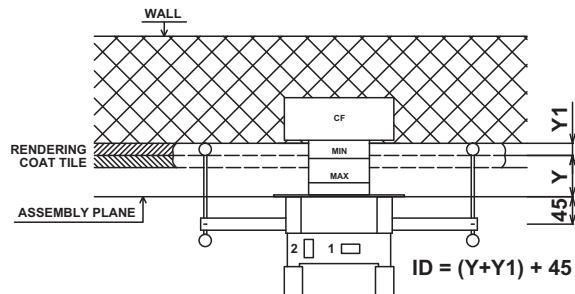


FIG. No. 4



Installing concealed tap (CF) using the 3D spirit-level.

(Fig. No. 4) (Video series No. 3)

The required installation depth of the assembly is given by the manufacturer, marked by the Min and Max symbols.

The installation depth ID = $(y+y_1) + 45$ mm (Table of MIN and MAX depths).

y required installation depth given by the manufacturer.

The finished tiling must be placed between the marked Min and Max symbols

y₁ envisaged rendering coat thickness (if the wall has no rendering coat yet)
and any vertical wall irregularities (measured at installation height)

45 mm distance between the assembly plane and the indicating line on the rotating arms.

Attach the corresponding assembling plate to the installed concealed tap using the threaded rods or accessories. (Table of Accessories)

3D spirit level with a spacing of 150 mm – set the required installation depth (ID) on the threaded rods from the indicating line on the rotating arms. Place the spirit-level on the installed concealed tap, pull the $\frac{1}{2}$ " threads out of the spirit-level's body and turn the heads to tighten the spirit-level to the secured assembling plate. On the 3D spirit-level, use level No. 1 to check the concealed tap in the horizontal position, use level No. 2 to check the vertical position, and use the threaded rods in contact with the masonry (plane) to check the set installation depth.

To achieve the required position of the concealed tap, handle the concealed tap and not the 3D spirit-level, *in some cases the assembling plates could be damaged !!!*

Proceed to plastering and fixing the concealed tap only after checking and adjusting the required position. (video No. 3A)
If the installation hole is greater than the range of the rotating arms at the installation site, screw magnets onto the threaded rods on which you have applied a sufficiently long UD profile (plasterboard profile not included in the case) to bridge over the installation hole.

(video No. 3B-3C)

The vertical indicating lines on the assembling plates mark the centre of the concealed body in a vertical position. The horizontal indicating lines on the assembling plates mark the centre of the concealed body in a horizontal position and are marked with the letter C – centre, separately for each type. The vertical and horizontal indicating lines are checked with a laser.

Following the installation of a concealed tap, we recommend filling in the "Concealed Tap Installation Form" in case of a claim.

- by mason, additional masonry, thick rendering coat
- by investor, change in tiling thickness

When installing concealed taps using the 3D Spirit-Level, IT IS NECESSARY TO RECORD ON THE WARRANTY CARD any intervention to the tap body (such as removal of diverter, etc.).

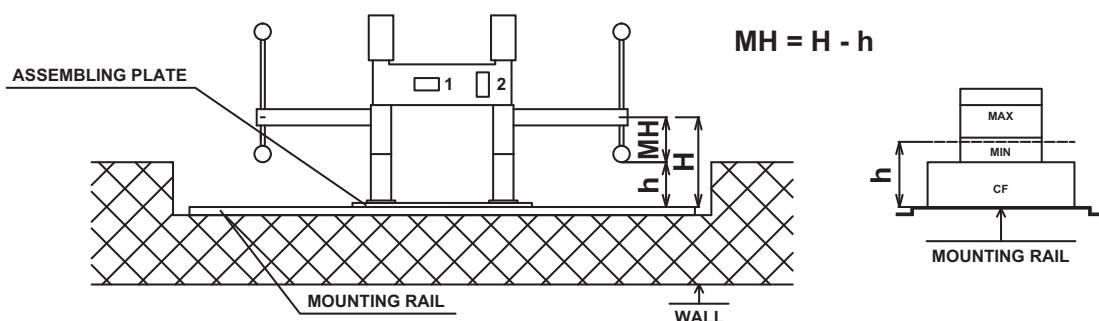
Installation depth for Ideal Standard A 1503 NU and MATRIX – mounting rail Fig.No. 5

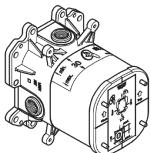
(Fig No. 5)

(video No. 3D – Ideal Standard, Hansa)

Mark the required installation depth (h) *70mm, do not forget about the thickness of the rendering coat (y1). After securing the assembling plate with the 3D spirit-level to the mounting rail, measure the distance between the mounting rail and the indicating line on the rotating arm (H) *116mm. *Ideal Standard ID = H – h * Example ID = 116 – 66 = 50 mm. ID = 5,0 cm.

FIG. No. 5

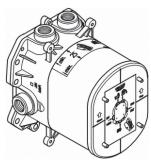




ASSEMBLING PLATE NO. 1 install 8 types of concealed taps (CF)

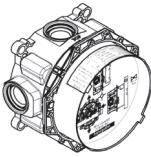
Grohe: Rapido E typ 35 501, Rapido T typ 35 500; **Hansa:** Hansavarox typ 4000;

Hansgrohe: starý a nový typ; **Ideal Standard:** A 1000 NU, **Kludi:** FLEXX BOXX typ 88 011, 88 077



Grohe Rapido 35 501 E, place the assembling plate onto the top cover of the CF through the holes marked with the letter (E). Drill holes in the holes of the plate marked with the letters (GE) using a ø 5.5 mm drill bit. Insert ø4mm threaded rods through the holes and screw them into the CF and secure the assembling plate to the concealed tap using the securing nuts.

Grohe Rapido 35 500 T, place the assembling plate onto the top cover of the CF through the holes marked with the letter (T). Drill holes in the holes of the assembling plate marked with the letters (GT) using a ø 5.5 mm drill bit. Insert ø5mm threaded rods through the holes and screw them into the CF and secure the assembling plate to the concealed tap using the securing nuts.
 $ID = (y+y_1) + 45\text{mm}$ * Example (95y+20y1)+45 =160 ID=16cm



Hansgrohe - iBox universal

Remove the top cover of the CF and place assembling plate No. 1 with the corresponding holes onto the securing (guide) points of the tap body. Insert the ø5mm threaded rods into the holes marked (Hg) and screw them into the CF. Secure the assembling plate to the concealed tap using the securing nuts. For older types of CF, the engraved rectangle serves as an aid.
 $ID = (y+y_1) + 45\text{mm}$ * Example (30y+20y1)+45 =95 ID=9,5cm



Ideal Standard – Easy-Box A 1000 NU

Remove the top cover of the CF and place assembling plate No. 1 with the corresponding holes onto the securing (guide) points of the tap body. Insert the ø5mm threaded rods into the holes marked IS and screw them into the CF. Secure the assembling plate to the concealed tap using the securing nuts.

$ID = (y+y_1) + 45\text{mm}$ * Example (28y+15y1)+45 =88 ID=8,8cm



Kludi - Flexx Boxx (until 2016) + Flexx Boxx (since 2017)

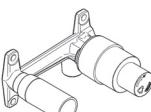
Remove the top cover of the CF and place assembling plate No. 1 with the corresponding holes onto the securing (guide) points of the concealed tap. Insert the ø6mm threaded rods into the hole marked (K) and screw it into the CF. Secure the assembling plate to the concealed tap using the securing nut. For older types of CF, the engraved rectangle serves as an aid.

$ID = (y+y_1) + 45\text{mm}$ * Example (85y+10y1)+45 =140 ID=14,0cm

Hansavarox (until 2015)

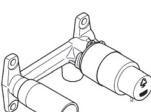
ASSEMBLING PLATE NO. 2 – Excluded from the Offer

ASSEMBLING PLATE NO. 3 – Grohe



Grohe - two-hole tap 33 769 ø 46 mm

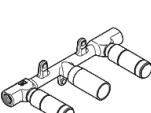
Remove the cartridge and the $\frac{1}{2}$ " plug from the CF outlet. Install the $\frac{1}{2}$ " 30mm extension in the plug location, screw the threaded rods into the holes left after the screws that secured the cartridge and place a small protective ring between them. Place the assembling plate onto the CF and slightly tighten the assembling plate with the securing nuts, turn the extension so that it touches the assembling plate, install the plug into the extension, check the correct position of the assembling plate in relation to the CF and tighten the plug together with the securing nuts.
 $ID = (y+y_1) + 45\text{mm}$ * Example (10y+15y1)+45 =70 ID=7,0cm



Grohe - two-hole tap type 32 635 ø 35 mm

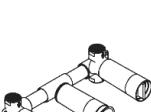
Release the chrome nut, remove the cartridge and the $\frac{1}{2}$ " plug from the CF outlet. Install the $\frac{1}{2}$ " 20mm extension in the plug location, place the assembling plate on the tap body. Slightly tighten the assembling plate with the chrome nut, install the plug into the extension, check the correct position of the assembling plate in relation to the CF and tighten the nut into the plug.

$ID = (y+y_1) + 45\text{mm}$ * Example (10y+15y1)+45 =70 ID=7,0cm



Grohe - three-hole type 29 025 32 706

Remove the front covers from the valves, screw the ø 4 mm securing threaded rods into the valves, place the assembling plate onto the CF, check the correct position of the assembling plate in relation to the CF and tighten the securing nuts firmly.
 $ID = (y+y_1) + 45\text{mm}$ * Example (55y+20y1)+45 =120 ID=12,0cm



ASSEMBLING PLATE NO. 4 – Hansgrohe

Hansgrohe - three-hole type 10303180

Remove the front covers from the valves, screw the ø 4 mm securing threaded rods into the valves, place the assembling plate onto the CF, check the correct position of the assembling plate in relation to the CF and tighten the securing nuts firmly.

$ID = (y+y_1) + 45\text{mm}$ * Example (53y+20y1)+45 =1180 ID=11,8cm

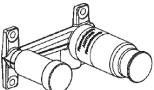


Hansgrohe – two-hole type 13622180

Remove the front covers of the valves, unscrew two $\frac{1}{2}$ " plugs from the tap body and screw the Al plugs with ø 4 mm opening in their place, screw the ø 4 mm securing threaded rods in the plugs, place the assembling plate onto the CF, check the correct position of the assembling plate in relation to the CF and tighten the securing nuts firmly.

$ID = (y+y_1) + 45\text{mm}$ * Example (65y+15y1)+45 =125 ID=12,5cm

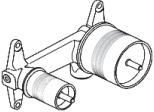
ASSEMBLING PLATE NO. 5 – Kludi



Kludi – two-hole type 38243

Release the black nut to remove the cartridge and the $\frac{1}{2}$ " plug from the CF outlet. Install the $\frac{1}{2}$ " 25 +30 mm extension in the plug location, place the assembling plate onto the CF, screw the large Al ring into the thread of the cartridge and slightly tighten it, turn the extensions so that they touch the assembling plate, install the plug into the extension, check the correct position of the assembling plate in relation to the CF and tighten the plug and the large Al ring firmly using the securing nuts.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(48y+15y_1)+45 = 108$ ID=10,8cm

ASSEMBLING PLATE NO. 6 – Ideal Standard



Ideal Standard – two-hole type A 5948 NU Remove the front covers and the two $\frac{1}{2}$ " plugs from the concealed tap (Allen wrench). Screw the two Al plugs with $\varnothing 4\text{mm}$ opening in their place, screw the securing threaded rods in the plugs, place the assembling plate onto the CF, check the correct position of the assembling plate in relation to the CF and tighten the securing nuts firmly.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(37y+15y_1)+45 = 97$ ID=9,7cm

ASSEMBLING PLATE NO. 7 – Herz • 00367, 00368, 00369, 00370



00367- 00369 Place the assembling plate on the tap body with the hole (00367, 00369), secure the assembling plate with two installed screws with M5 thread to the CF through the M5 thread in the tap body.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(-8y+20y_1)+45 = 73$ ID=7,3cm



Remove the diverter from the tap body with a No. 22 wrench, place the assembling plate onto the hole left after the diverter in the tap body with the hole (00368, 00370), screw the insert with the 21x1 thread into the hole left after the diverter which you used to secure the assembling plate to the CF.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(-3y+20y_1)+45 = 68$ ID=6,8cm



ASSEMBLING PLATE NO. 8 – Novaservis Box – METALIA-black, TITANIA/NOBLESS-green

Place the assembling plate with the corresponding guiding plates onto the plastic cover of the concealed tap. METALIA – secure the assembling plate through the holes in the plate using four $\varnothing 4.5\text{ mm}$ screws. TITANIA, NOBLESS – screw the $\varnothing 5\text{mm}$ threaded rods to secure the assembling plate to the concealed tap using the securing nuts.
METALIA: $ID = (y+y_1) + 45\text{mm}$ * Example $(20y+y_1)+45 = 75$ ID=7,5cm



ASSEMBLING PLATE NO. 9 – Novaservis • 36050R, 40050R



36050R

Remove the diverter from the tap body with the wrench, place the assembling plate onto it, screw the insert (with the M20x1 thread – red) through the corresponding hole in the plate into the hole left after the diverter and secure the assembling plate to the CF.

40050R

Remove the diverter from the tap body with the wrench, place the assembling plate onto it, screw the insert (with the W21.6x19" thread – blue) in the corresponding hole in the plate into the hole left after the diverter and fix the assembling plate to the CF.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(-3y+20y_1)+45 = 68$ ID=6,8cm



ASSEMBLING PLATE NO. 10 – Novaservis – 56050R, 96050R

Applies to both bodies.

Remove the diverter from the tap body with the wrench, screw the insert (with the W24.6x19"/ $\frac{1}{2}$ " thread – orange) into the hole left after the diverter and use the plug to secure the assembling plate to the CF.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(31y+15y_1)+45 = 91$ ID=9,1cm

56050, 96050, 36050, 40050 – secure the H holder to the assembling plate with an M5 screw. Insert the concealed tap to the H holder through the corresponding hole and secure it using a cable tie.



ASSEMBLING PLATE NO. 11 – Ravak R – box, R – box Multi



Place the assembling plate with the guiding plates onto the plastic cover of the concealed tap. Secure the assembling plate to the concealed tap using two threaded rods and M5 nuts.

$ID = (y + y_1) + 45\text{mm}$ * Example $(30y + 10y_1) + 45 = 85\text{mm}$ MH = 8,5cm

ASSEMBLING PLATE NO. 12 – wash basin

See page no. 1 of this manual.

ASSEMBLING PLATE NO. 13 – Hansgrohe

It is used for precise installation of the Hansgrohe I Box univerzal, 10303180, 13622180 concealed tap.

Hansgrohe iBox the procedure is the same as for assembling plate No.1. C – Hg body centre horizontal.

Concealed bath tap 31741180 – remove the two M5 screws from the CF cover, attach the installation plate, insert the two ø5mm threaded rods and screw them through the No. 3 holes into the tap body, then secure the assembling plate to the CF using the securing nuts. C – 3 body centre horizontally.

$$ID = (y+y_1) + 45\text{mm} * \text{Example } 30(y)+20(y_1)=50 \text{ ID}=5\text{cm}$$

Concealed body 13620180 – remove the two M5 screws from the CF cover, attach the installation plate, insert the two ø5mm threaded rods and screw them through the No. 1 holes into the tap body, then secure the assembling plate to the CF using the securing nuts. C – 1 body centre horizontal.

$$ID = (y+y_1) + 45\text{mm} * \text{Example } 40(y)+20(y_1)=60 \text{ ID}=6\text{cm}$$

ASSEMBLING PLATE NO. 14 – Ideal Standard A 1000 NU, A 2363 NU, A 5948 NU, Mounting rail A 1503 NU

Place the ø21x3mm check ring between the 4cm and 2cm extension and tighten firmly, 2x. Place the ø21x6mm check ring onto the $\frac{1}{2}$ " threads of the assembling plate and screw on the 4 cm and 2 cm extensions firmly, 2x. Place the assembling plate onto the mounting rail and secure it gently using the M4 screws (4pcs). Secure the 3D spirit-level (150) firmly to the extensions. Place the second spirit-level on the mounting rail, with which you adjust the mounting rail in the horizontal position together with the 3D spirit-level, and then tighten the M4 screws firmly. Secure the mounting rail prepared in this way with plaster into the prepared installation hole. We recommend using magnets for greater precision. (video No. 3 Ideal Standard)

$$MH = H - h * \text{Example } ID= 116-68 = 49\text{mm. MH} = 4,9\text{cm.}$$

ASSEMBLING PLATE NO. 15 – Grohe

This is used for precise installation of the Grohe Rapido E 35 501, T 35 500, SmartBox, 33 963 concealed tap, and the 26484000, 26264001 shower-head concealed bodies. Install SmartControl with the 150 mm spirit-level body.

Rapido E 35 501, T 35 500 – the procedure is the same as for assembling plate No.1. (holes T, E, C-T, C-E) C- centre, tap body's centre horizontally.

33 963 – Unscrew the two screws from the CF that secure the plastic cover. Attach the installation plate to the cover and fasten it together with the plastic cover to the CF (holes 33, C-33) using the threaded rods (2x M5 x 120) and the nuts. $ID = (y+y_1) + 45\text{mm} * \text{Example } (30y+15y_1)+45 =90 \text{ ID}=9,0\text{cm}$

SmartControl 26264001 shower-head body – Screw the (2x M5 x120) threaded rods into the SC holes and secure with nuts. C-SC body centre horizontally.

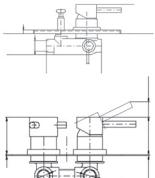
$$ID = (y+y_1) + 45\text{mm} * \text{Example } (33y+15y_1)+45 =93 \text{ ID}=9,3\text{cm}$$

Smart 26484000 shower-head body – Turn the assembling plate by 180° and place it onto the smaller ring, the projection must snap in the groove. Screw the (2x M6 x150) threaded rods into the SB holes and secure with nuts. C-SB body centre horizontal. $ID = (y+y_1) + 45\text{mm} * \text{Example } (62y+15y_1)+45 =122 \text{ ID}=12,2\text{cm}$

Rapido SmartBox 35600000 – Turn the assembling plate by 180° and place it onto the larger ring; the projection must snap in the groove. Screw the (2x M5 x150) threaded rods into the S Box holes and secure with nuts. C-S body centre horizontal. $ID = (y+y_1) + 45\text{mm} * \text{Example } (62y+15y_1)+45 =122 \text{ ID}=12,2\text{cm}$

SmartControl 26449000 install using the 3D spirit-level with 150 mm spacing.

ASSEMBLING PLATE NO. 16 – RAV Slezák – 2 types



1. xx86 – Remove the diverter from the tap body with a No. 15 wrench, place the assembling plate, then screw the AL insert (M22x1 blue) into the hole left after the diverter which you used to secure the assembling plate to the CF. $ID = (y+y_1) + 45\text{mm} * \text{Example } (9y+20y_1)+45 =74 \text{ ID}=7,4\text{cm}$

2. SE 986 K – Place the assembling plate onto the CF, attach the decorative rings to the cartridge and the diverter and use them to secure the assembling plate to the CF.

$$ID = (y+y_1) + 45\text{mm} * \text{Example } (0y+20y_1)+45 =65 \text{ ID}=6,5\text{cm}$$

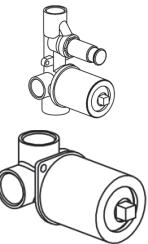
ASSEMBLING PLATE NO. 17 – Laufen Simibox



Unscrew the two plugs from the CF with a No. 8 Allen wrench, then screw in the $\frac{1}{2}$ " AL plugs with M4 thread in their place. Place the assembling plate with the corresponding holes onto the securing (guide) points of the tap body. Screw the M4 threaded rods through the assembling board into the threads in the plugs. Secure the assembling plate to the CF using the M4 securing nuts.

$$ID = (y+y_1) + 45\text{mm} * \text{Example } (30y+20y_1)+45 =95 \text{ ID}=9,5\text{cm}$$

ASSEMBLING PLATE NO. 18 – RAF • PL94, PL83, CO83



PL 94 – Remove the diverter from the tap body with a No. 22 wrench, place the assembling plate, then screw the AL insert (M21x1 red) into the hole left after the diverter which you used to secure the assembling plate to the CF.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(0y+20y_1)+45 = 65 \text{ ID}=6,5\text{cm}$

PL83 – Place the assembling plate with the hole (PL83) onto the CF, and using the two M5 threaded screws secure the assembling plate to the CF through the M5 thread in the tap body.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(0y+20y_1)+45 = 65 \text{ ID}=6,5\text{cm}$

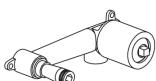
CO 83 – Place the assembling plate onto the CF with the hole (CO83), then secure the assembling plate with two installed screws with M5 thread to the CF through the M5 thread in the tap body. Attach the 3D spirit-level to the secured assembling plate.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(0y+20y_1)+45 = 65 \text{ ID}=6,5\text{cm}$

ASSEMBLING PLATE NO. 19 – RAF • T5083



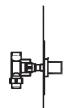
T5083 – Remove the cover of the strainer and non-return valve from the CF using a No. 14 wrench, screw the AL adaptor (M24x1 ½" – yellow) into the hole left after the cover and attach the assembling plate, then screw the ½" AL plug into the adaptor through the assembling plate to secure the assembling plate to the CF.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(0y+15y_1)+45 = 60 \text{ ID}=6,0\text{cm}$

ASSEMBLING PLATE NO. 20 – RAF • CO 18 two-hole

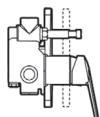


CO 18 – Remove the brass outlet from the CF, place the assembling plate on the CF. Screw the ½" AL plug into the outlet hole through the assembling plate and secure it to the CF.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(0y+20y_1)+45 = 65 \text{ ID}=6,5\text{cm}$

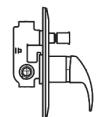
ASSEMBLING PLATE NO. 21 – JIKA ROCO



1. CUBITO 3.20426 – Screw the three large brass nuts onto the valve bodies so that they are flush with the top edge (side) of the valve. Place the assembling plate on the CF and tighten the assembling plate to the valve with three M4x10 screws, then turn the large brass nuts to secure the assembling plate to the CF. Attach the 3D spirit-level to the secured assembling plate.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(15+15y_1)+45 = 75 \text{ ID}=7,5\text{cm}$



2. TIGO 3.2118 – Remove the plug from the CF's diverter, screw the ½" extension (10) into the hole left after the diverter on the tap body and attach the assembling plate and secure it with the ½" AL plug to the CF. Attach the 3D spirit-level to the secured assembling plate.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(0y+20y_1)+45 = 65 \text{ ID}=6,5\text{cm}$



3. LYRA 3.21276 – Remove the diverter from the CF using a No. 24 wrench, screw the AL adaptor insert (M20x1 / ½" green) into the hole left after the diverter, attach the assembling plate and secure it to the CF with the ½" AL plug. Attach the 3D spirit-level to the secured assembling plate.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(0y+20y_1)+45 = 65 \text{ ID}=6,5\text{cm}$



4. MIO 3.2071 – Remove the diverter from the tap body with a No. 24 wrench, place the assembling plate, then screw the AL insert (M22x1 blue) into the hole left after the diverter which you used to secure the assembling plate to the CF. Attach the 3D spirit-level to the secured assembling plate.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(0y+20y_1)+45 = 65 \text{ ID}=6,5\text{cm}$; Example $0(y)+20(y_1)=20 \text{ ID}=2,0\text{cm}$

ASSEMBLING PLATE NO. 22 – HANSABLUEBOX (since 2016), MATRIX – mounting rail



Hansabluebox – Remove the top cover of the CF and unscrew the M6 central screw (Allen wrench) and place the No. 22 assembling plate with the corresponding holes onto the securing (guide) points of the CF body. Insert the ø6mm threaded rod into the holes in the centre of the assembling plate and screw it into the CF and secure it with the nut.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(60y+15y_1)+45 = 120 \text{ ID}=12,0\text{cm}$



MATRIX – mounting rail

Place the ø21x3mm check ring between the 4 cm and 2 cm extension and tighten firmly, 2x. Place the ø21x6mm check ring onto the ½" threads of the assembling plate and screw on the 4 cm and 2 cm extensions firmly, 2x. Place the assembling plate onto the mounting rail and secure it gently using the M5 screws (4pcs). Secure the 3D spirit-level (150) firmly to the extensions. Place the second spirit-level on the mounting rail, with which you adjust the mounting rail in the horizontal position together with the 3D spirit-level, and then tighten the M5 screws firmly. Secure the mounting rail prepared in this way with plaster into the prepared installation hole. We recommend using magnets for greater precision. (video No. 3 Hansa)

$MH = H - h$ * Example $ID = 121-55 = 66\text{mm}$. $MH = 6,6\text{cm}$.



ASSEMBLING PLATE NO. 23 – Mofém, Teka

MULTI BOX – Remove the top cover of the CF and unscrew the M6 central screw (Allen wrench) and place the assembling plate with the corresponding holes onto the securing (guide) points of the concealed tap body. Insert the ø6mm threaded rod into the holes in the centre of the assembling plate and screw it into the CF. Secure the assembling plate to the concealed tap using the securing nut.
 $ID = (y+y_1) + 45\text{mm}$ * Example $(33y+15y_1)+45 = 93 \text{ ID}=9,3\text{cm}$

ASSEMBLING PLATE NO. 24 – Hansgrohe RainSelect



RainSelect – Remove the upper styrofoam cover from the tap body and unscrew two plugs using a No. 17 wrench and an M28x1.5 thread as necessary. Screw the M28x1.5 / M6 inserts into the holes, place the assembling plate with the ø10mm holes onto the plugs and secure the assembling plate to the inserts firmly with the M6 screws. The vertical indicating lines on the assembling plates mark the centre of the concealed body in a vertical position in relation to the shower-head's plumbing wall mount.

$$ID = (y+y_1) + 45\text{mm} \quad * \text{Example } (45y+15y_1)+45 = 105 \text{ ID}=10,5\text{cm}$$

ASSEMBLING PLATE NO. 25 – SCHELL



WC flusher: WC COMPACT II 01 194 .., Urinal flusher COMPACT II 01 193 ..

Remove the upper styrofoam cover from the tap body, attach the assembling plate and insert the threaded rods into the CF through the holes marked No. 1 on the assembling plate and screw the ø5 mm threaded rods (2pcs) into the CF. Secure the assembling plate to the concealed tap using the securing nuts.

$$ID = (y+y_1) + 45\text{mm} \quad * \text{Example } (-15y+15y_1)+45 = 45 \text{ ID}=4,5\text{cm}$$

Masterbox small: shower, wash basin 01 827 .., 01 867 .., 01 904 .., 01 829 .., 01 828 .., 01 947 ..

Remove the upper styrofoam cover from the tap body, attach the assembling plate and insert the threaded rods into the CF through the holes marked No. 3 on the assembling plate and screw the ø5 mm threaded rods (2pcs) into the CF. Secure the assembling plate to the concealed tap using the securing nuts.

$$ID = (y+y_1) + 45\text{mm} \quad * \text{Example } (40y+15y_1)+45 = 100 \text{ ID}=10\text{cm}$$



Masterbox – Thermostat: 01 800 .., 01 802 ..



Remove the upper styro-foam cover from the tap body, attach the assembling plate and insert the threaded rods into the CF through the holes marked No. 2 on the assembling plate and screw the ø5 mm threaded rods (2pcs) into the CF. Secure the assembling plate to the concealed tap using the securing nuts.

$$ID = (y+y_1) + 45\text{mm} \quad * \text{Example } (37y+15y_1)+45 = 97 \text{ ID}=9,7\text{cm}$$

ASSEMBLING PLATE NO. 26 – RUBINETA



UNO-KUBO 1F, UNO-KUBO 2F

Remove the top cover from the tap body, attach the assembling plate so that the riveted plates snap into the tap body, then secure the assembling plate to the concealed tap through the holes with screws (M5, 2pcs).

$$\text{CAUTION at MIN depth of 60, ID} = (y+y_1) + 45\text{mm} \quad * \text{Example } (-6+10y_1)+45 = 49, (+4)+45=49 \text{ mm, ID}= 4,9\text{cm}$$



ASSEMBLING PLATE NO. 27 LOTOSAN



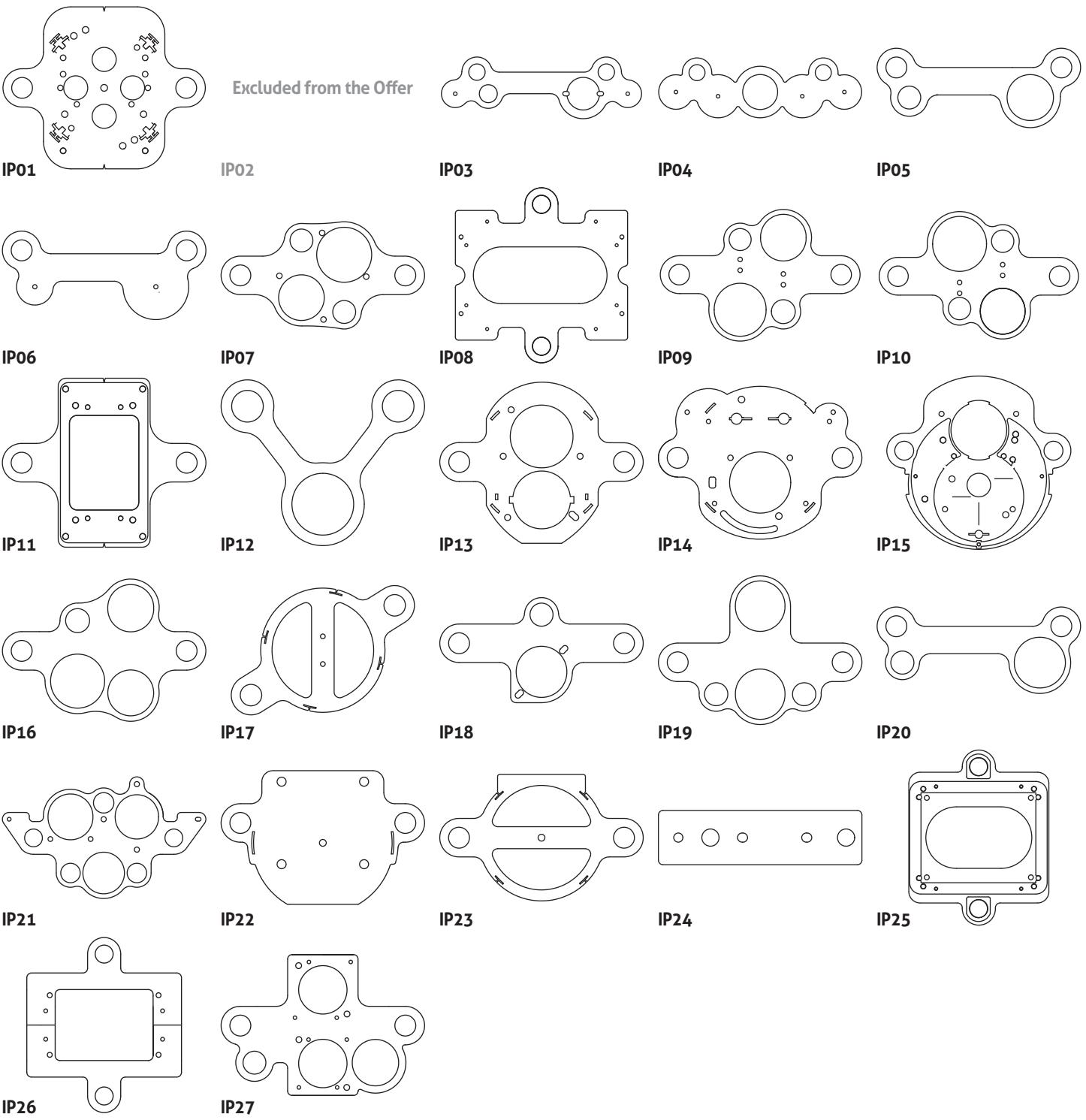
Tap with diverter, tap without diverter

Unscrew the M5 screws from the concealed body, place the plastic cover on the assembling plate according to the marked symbol, then insert the riveted sheets into the plastic tap cover. Attach the assembling plate back to the brass body of the tap and secure the assembling plate to the concealed tap with M5 threaded rods (2pcs).

Two-hole

Unscrew the $\frac{1}{2}$ " extension from the concealed body, place the assembling plate according to the marked symbol and secure it using the $\frac{1}{2}$ " plug with M4 to the tap body.





Legend:

CF – concealed tap
* – only as an example (y1), always depending on the actual situation

Caution:

The 3D spirit-level is used as a measuring tool. When adjusting the required position of the concealed tap, handle the concealed tap and not the 3D spirit-level, as in some cases the concealed tap or the assembling plate could be damaged. When working with the 3D spirit-level, the temperature of the installed plumbing wall mounts must not exceed 40 °C. Because the 3D spirit-level is made of a number of moving parts and contamination with plaster occurs whilst working, we recommend performing a regular service inspection with the manufacturer. To ensure proper and long-term functionality, the 3D spirit-level is packaged in a practical plastic case that protects the product from mechanical damage. Keep clean!