



## **INFORMATION FOR ARCHITECTS & INSTALLERS**

### **Poollift**

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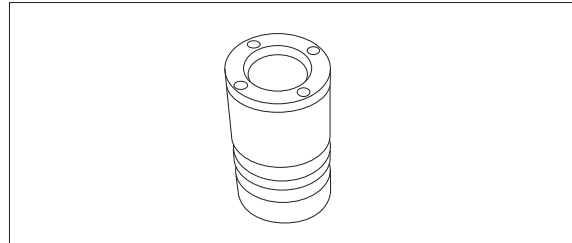
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## 1. Types of sockets

There are two types of sockets to install the Handi-Move pool lift:

### Socket A (Art. nr. 3240)

This socket consists of a stainless steel sleeve that is built into the floor

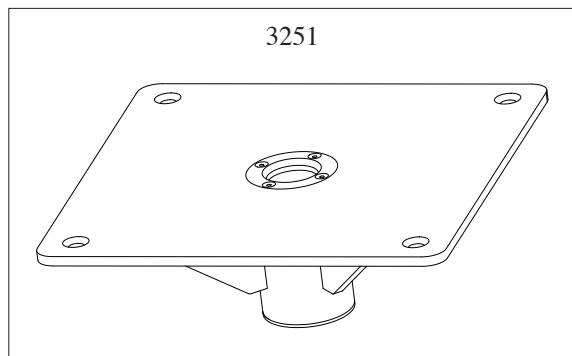
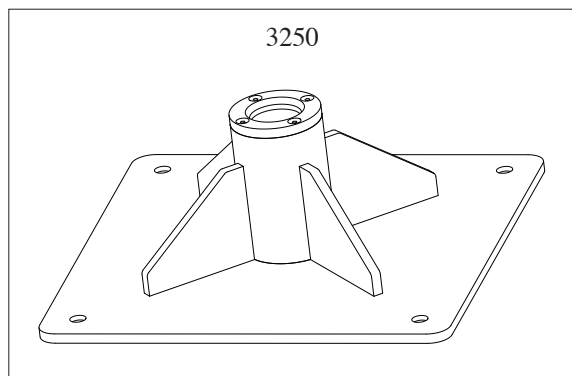


### Socket C (Art. nr. 3250 / 3251)

They should be used:

- If it is not possible to install the A-socket.
- If the socket is installed on the concrete in front of the dampproof course. The C-socket is normally partially countersunk (depending on the thickness of the dampproof course above the concrete) the plate being anchored in the concrete. The dampproof course is fitted tightly around and on the C-socket.
- If the dampproof course above the concrete is too wide and too weak. Possibly in combination with the problem of the dampproof course, as described above.

C	16.34 inch / 415.00 mm
D	16.34 inch / 415.00 mm



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### 2. Installation of the A-socket

A hole must be provided for this purpose, which has a diameter of 4.33 inch / 110.00 mm and a depth of 6.7 inch / 170.00 mm . The socket will be installed by a Handi-Move technician. The distance between the edge of the pool and the centre of the socket should be max. 27.56 inch / 70.00 cm , in case of an overflowing water level.

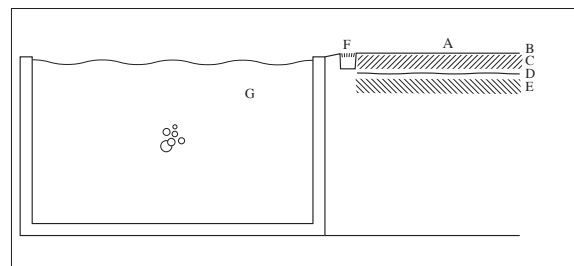
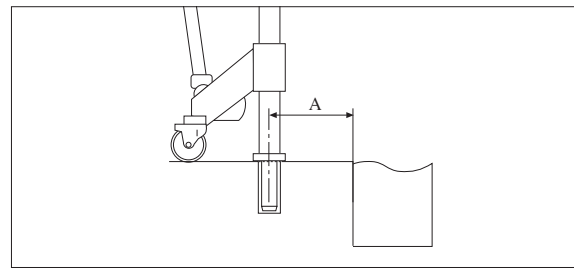
A 150 - 27.56 inch / 700.00 mm

When the water level is lower than the level of the socket, then the positioning must be reviewed individually in each case. The distance between the edge of the pool and the centre of the socket may in all instances never be smaller than 5.91 inch / 15.00 cm (in case of an even floor), since one wheel of the lifter will otherwise hang over the edge of the pool when it is positioned. A difference in floor level of more than 0.35 inch / 9.00 mm may not occur within a circumference of  $\pm 11.81$  inch / 30.00 cm of the socket, as otherwise the wheels will get stuck when turning the lift.

A	'poolside deck'
B	poolside floor
C	covering floor
D	dampproof course
E	concrete plate
F	overflow channel
G	pool basin

With regard to the dampproof course there are 5 options (situation in Belgium - always to be discussed with the architect):

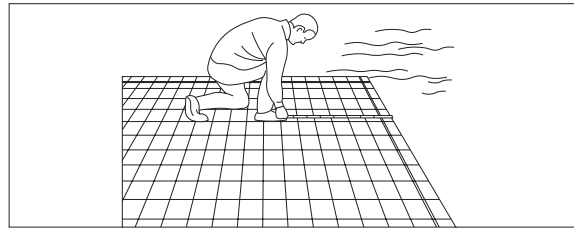
- Watertight concrete is used instead of a dampproof course.
- The socket is drilled into the edge of pool basin (massive concrete) instead of the poolside deck. This area is located between the edge of the pool and the overflow channel.
- The architect agrees that a hole is drilled and assumes that the opening around the socket is given a watertight finish with epoxy resin.
- A recess is foreseen in the floor, where the socket can later be inserted.
- The socket is positioned in front of the dampproof course, that is to say, the dampproof course comes up to the socket. In this regard is important to know the exact for ground level. In this regard it can be advisable to weld an A-type socket through the plate of a C-type socket.



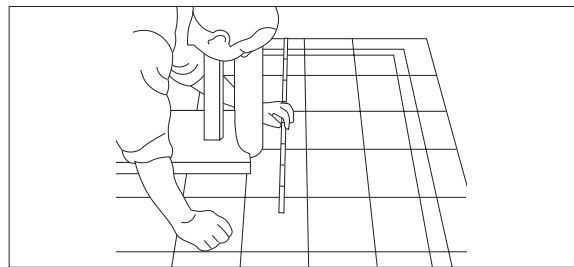
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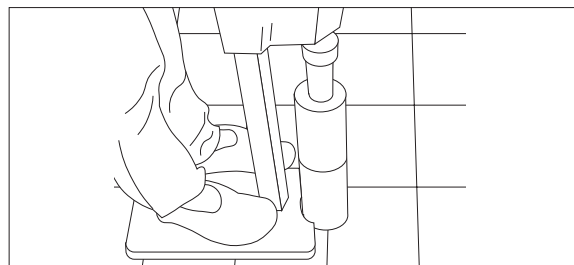
1. Determine the location where the socket has to be installed.



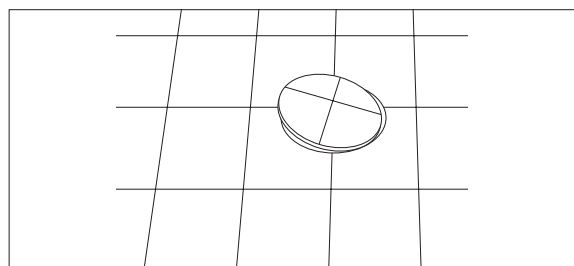
2. Drill a hole of the correct diameter and up to the correct depth.



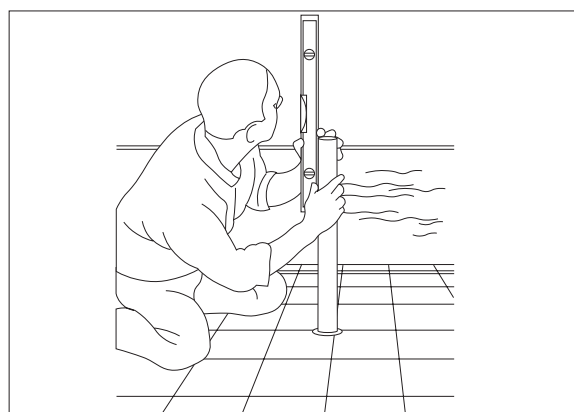
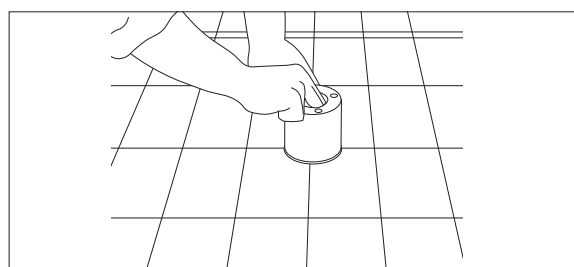
3. Remove the core and the drilling waste from the bored hole.



4. Insert the socket as a test.



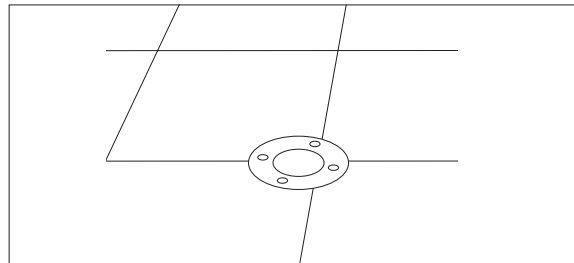
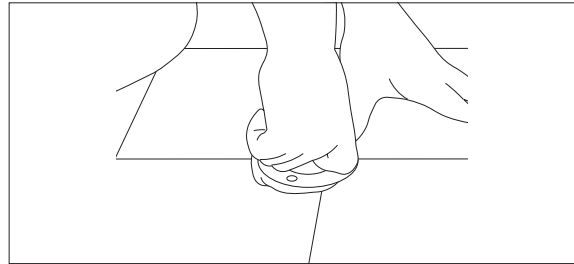
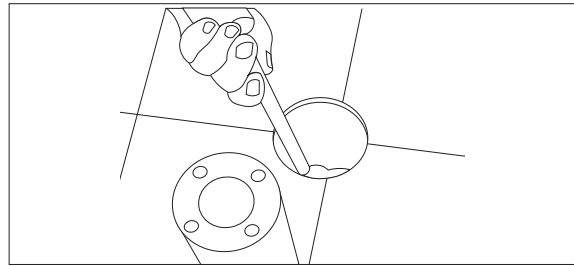
5. Insert a test pole in the socket, so that you can use a level for examining whether the hole was bored correctly.



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6. Fasten the socket with epoxy resin and finish off the edges with silicone.



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### 3. Range of pool lift

The attached table provides a clear, simple overview of the situations where the pool lift can be used in combination with a body support, based on the following factors:

- the distance between the socket and the edge of the pool (A)
- the water level relative to the top edge of the pool (B)
- the position of the user relative to the edge of the pool (C): standard value (minimum) = 15.75 inch / 40.00 cm

A [inch / cm]	C [inch / cm]					
	B = 0	B = 3.94 inch / 10.00 cm	B = 7.87 inch / 20.00 cm	B = 11.81 inch / 30.00 cm	B = 15.75 inch / 40.00 cm	B = 19.69 inch / 50.00 cm
5.91 / 15.00	40.55 / 103.00	38.98 / 99.00	37.99 / 96.50	34.65 / 88.00	31.89 / 81.00	27.17 / 69.00
7.87 / 20.00	38.58 / 98.00	37.01 / 94.00	36.02 / 91.50	32.68 / 83.00	29.92 / 76.00	25.2 / 64.00
9.84 / 25.00	36.61 / 93.00	35.04 / 89.00	34.06 / 86.50	30.71 / 78.00	27.95 / 71.00	23.23 / 59.00
11.81 / 30.00	34.25 / 87.00	33.07 / 84.00	32.09 / 81.50	28.74 / 73.00	25.98 / 66.00	21.26 / 54.00
13.78 / 35.00	32.28 / 82.00	31.1 / 79.00	30.12 / 76.50	26.77 / 68.00	24.02 / 61.00	19.29 / 49.00
15.75 / 40.00	30.31 / 77.00	29.13 / 74.00	28.15 / 71.50	24.8 / 63.00	22.05 / 56.00	17.32 / 44.00
17.72 / 45.00	28.35 / 72.00	27.17 / 69.00	26.18 / 66.50	22.83 / 58.00	20.08 / 51.00	✗
19.69 / 50.00	26.38 / 67.00	25.2 / 64.00	24.21 / 61.50	20.87 / 53.00	18.11 / 46.00	✗
21.65 / 55.00	24.41 / 62.00	23.23 / 59.00	22.24 / 56.50	18.9 / 48.00	16.14 / 41.00	✗
23.62 / 60.00	22.44 / 57.00	21.26 / 54.00	20.28 / 51.50	16.93 / 43.00	✗	✗
25.59 / 65.00	20.47 / 52.00	19.29 / 49.00	18.31 / 46.50	✗	✗	✗
27.56 / 70.00	18.5 / 47.00	17.32 / 44.00	16.34 / 41.50	✗	✗	✗
29.53 / 75.00	16.54 / 42.00	✗	✗	✗	✗	✗

