

Pit construction diagram 00705880C

METTLER TOLEDO MultiRange
Dry and wet pit (Part1)

ME/MES1500/3000sk
KE/KES1500/3000sk
KE/KES1500/3000skx

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Standard equipment

- 2 Pit angle, lengthwise
- 2 Pit angle, crosswise
- 4 Hex bolts M12x30 DIN 933
- 4 Nuts M12 DIN 934
- 6 Clamping plates (KE.../KES...)
- 8 Clamping plates (KES.../MES)
- 1 Pit construction diagram

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Pit construction diagram 00705880C

METTLER TOLEDO MultiRange
Dry and wet pit (Part2)

ME/MES1500/3000sk
KE/KES1500/3000sk
KE/KES1500/3000skx

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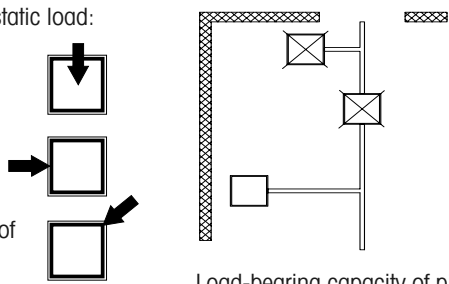
1. Determine location of weighing platform

Note maximum static load:

with central load:
4500 kg

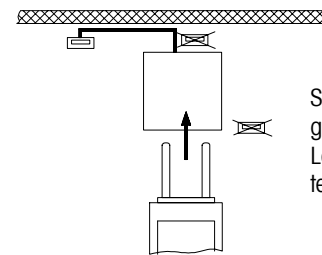
with lateral load:
3000 kg

with corner load of
one side:
1500 kg



Load-bearing capacity of pit base:
min. 1700 kg / 25 cm²

2. Determine location of terminal



Set up terminal to ensure
good access
Length of connection cable
terminal 5 m

3. Prepare framework pit

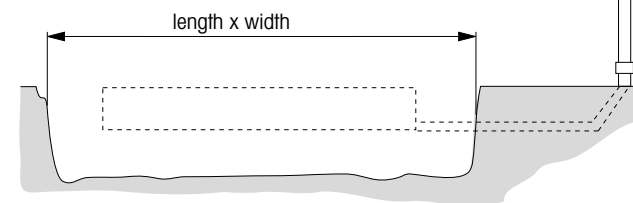
Excavate the framework pit according to the type of
weighing platforms.

Dry pit: depth approx. 25 cm
Wet pit: depth appr. 30 cm

Excavate channel of depth approx. 20 cm for cable conduit.
The cable conduit ends in the base of the pit (see illustration).

Pipe diameter min. 40 mm.
Do not use a right-angled pipe, rather two pipes of 45°.

	length x width
ME.../KE...	190 x 165 cm
MES.../KES...	190 x 190 cm



4. Concrete forming

Assemble steel pit frame.

When tightening the bolts ensure that the frame is flat.
**Check that the frame is rectangular (same width
across corners).**

Prepare stable wooden frame (see sketch for dimensions).
The steel frame must fit the wooden exactly.

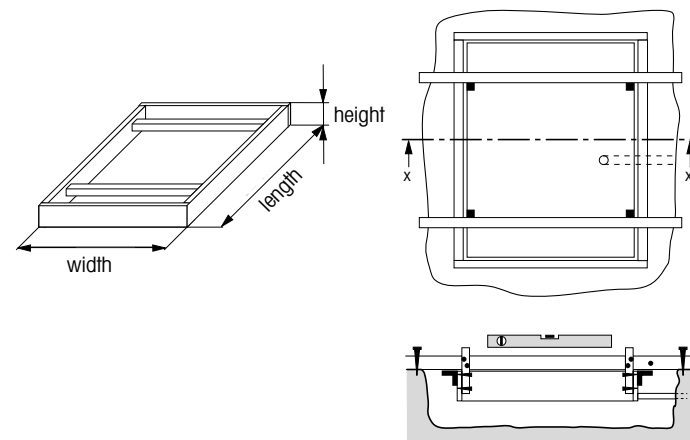
Install wooden frame together with steel frame in the
framework pit.
The steel frame must be leveled exactly.

When concreting ensure that the wooden frame
remains in place!

Position empty conduits for cable connection correctly.

Wet pit:
After pit base has set and the formwork removed, concrete
the supports for the weighing platform.

	length x width x height
ME.../KE...	152 x 127 x 20 cm
MES.../KES...	152 x 152 x 22 cm



Section X-X

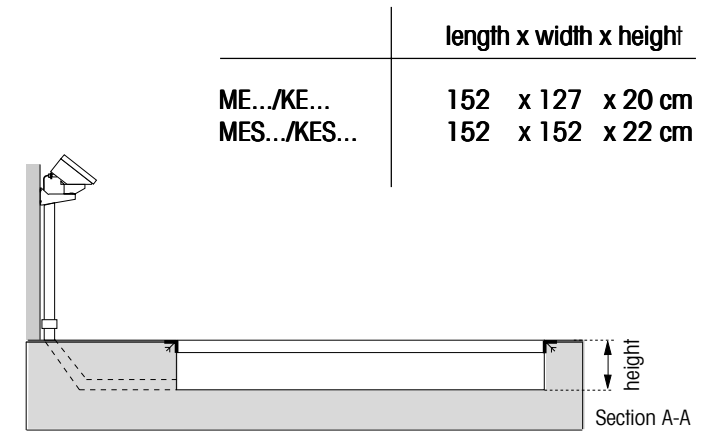
5. Dimension drawings

length x width x height

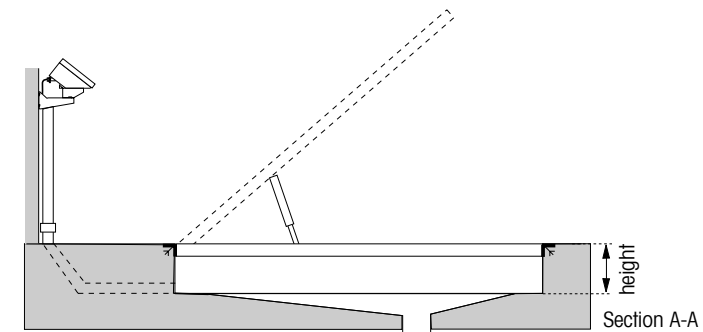
ME.../KE...
MES.../KES...

152 x 127 x 20 cm
152 x 152 x 22 cm

Dry pit



Wet pit



DWP Drain Water Pit

