

# Pit construction diagram

METTLER TOLEDO

## METTLER TOLEDO MultiRange

### Dry pit/Wet pit

### DRF / DSF

Mettler-Toledo(Albstadt)GmbH 00507631B english Printed in Germany 04/00

## Standard equipment

- 2 Pit brackets, lengthwise
- 2 Pit brackets, crosswise
- 4 Hex bolts M12x30 DIN 933
- 4 Nuts M12 DIN 934
- 1 Pit construction diagram

## 1. Determine location of weighing platform

Note maximum static load:

with central load:

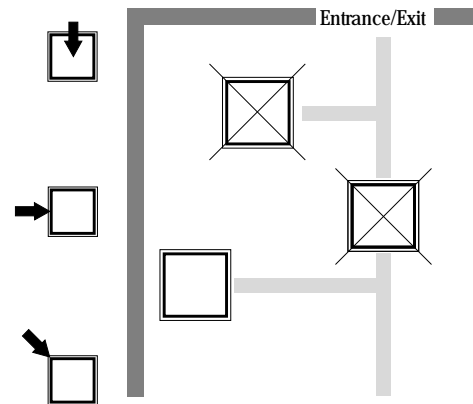
DRF = 7500 kg  
DSF = 15000 kg

with lateral load:

DRF = 5000 kg  
DSF = 10000 kg

with corner load at one side:

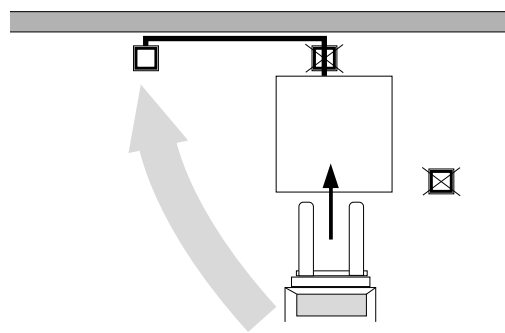
DRF = 2500 kg  
DSF = 5000 kg



Check that the location you have selected is acceptable from a

constructional viewpoint:  
DRF mind. 4000 kg / 25 cm<sup>2</sup>  
DSF mind. 8000 kg / 25 cm<sup>2</sup>

## 2. Determine location of terminal



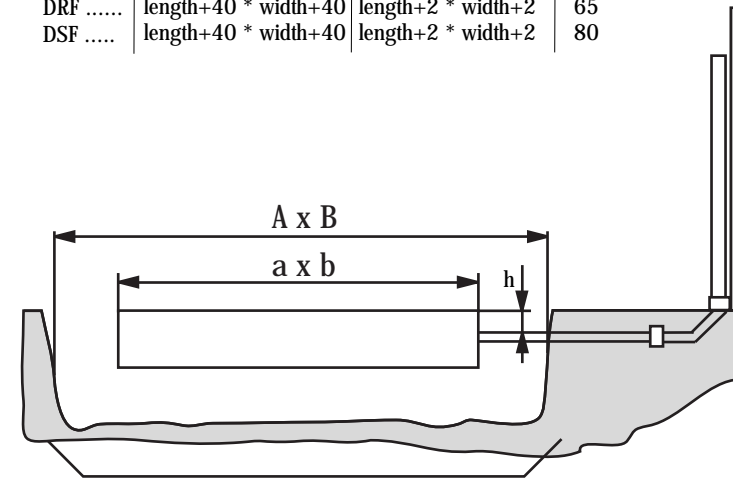
Set up terminal to ensure ease of access. The standard equipment of the weighing platform includes a connection cable of length 5 m for attachment to the terminal.

## 3. Prepare framework pit

- Excavate framework pit as specified in the table below. depth DRF 25cm, DSF 30cm
- Pipe diameter min. 50 mm. Do not use a right-angled pipe, rather two pipes of 45°.

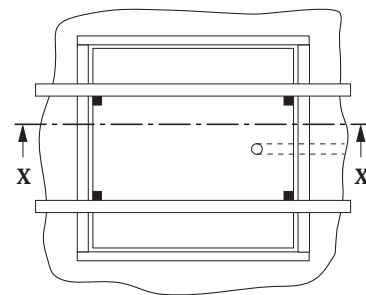
Framework pit

	A x B	a x b	h
DRF .....	length+40 * width+40	length+2 * width+2	65
DSF .....	length+40 * width+40	length+2 * width+2	80

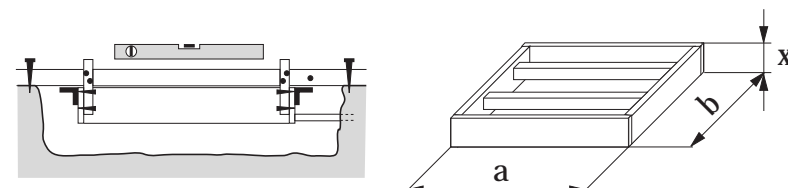


## 4. Concrete forming

- 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 frame 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.

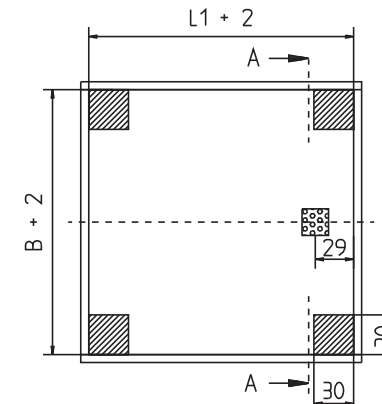


	a x b x X
DRF .....	length+2 * width+2 * 12.5
DSF .....	length+2 * width+2 * 15.5



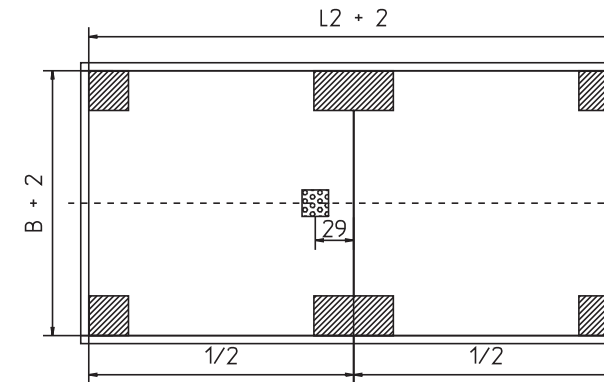
Schnitt X-X

## 5. Dimension drawings

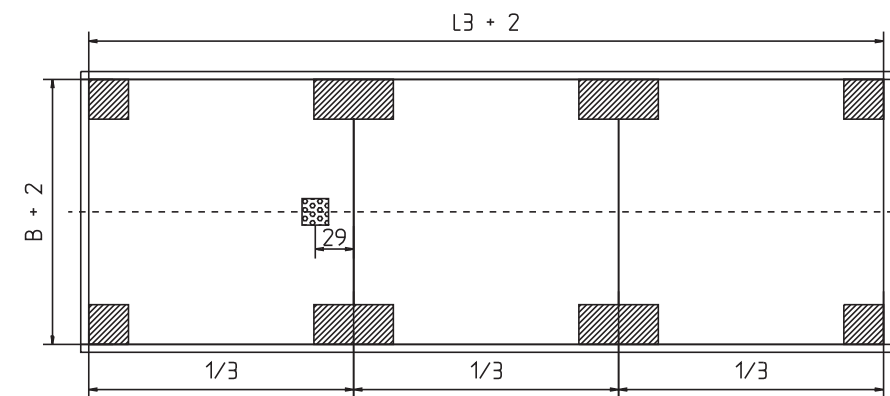


DRF / DFS -weighing platform

	des.	DRF	DSF
width	B	150 to 200	150 to 200
length			
1 Modul	L1	150 to 200	150 to 200
2 Modul	L2	201 to 400	201 to 400
3 Modul	L3	401 to 600	401 to 600
depth	H	12,5	15,5



Recess



Dry pit



selection A-A

Wet pit



selection A-A

Dimensions in cm