

Overview of heavy-duty systems

Device installation units

Selection according to

- Load requirement
- Floor covering thickness
- Functional method
- Installation capacity

Cassettes for cable outlets and inspection purposes protect the electrical installation in the floor against water penetration. All heavy-duty solutions guarantee moisture protection according to DIN EN 50085-2-2 and are therefore approved for wetcleaned floors indoors.

Heavy-duty mounting lid

Selection according to

- The shape of the selected service outlet or the cassette (nominal size)
- Screed height

With heavy-duty frame cassettes, a mounting set, not a mounting lid, must be used for the installation of installation devices.

Height adjustment units

Selection according to

- Screed height

Heavy-duty supports for underfloor socket

Selection according to

- Screed height

Underfloor socket (UZD)

Selection according to

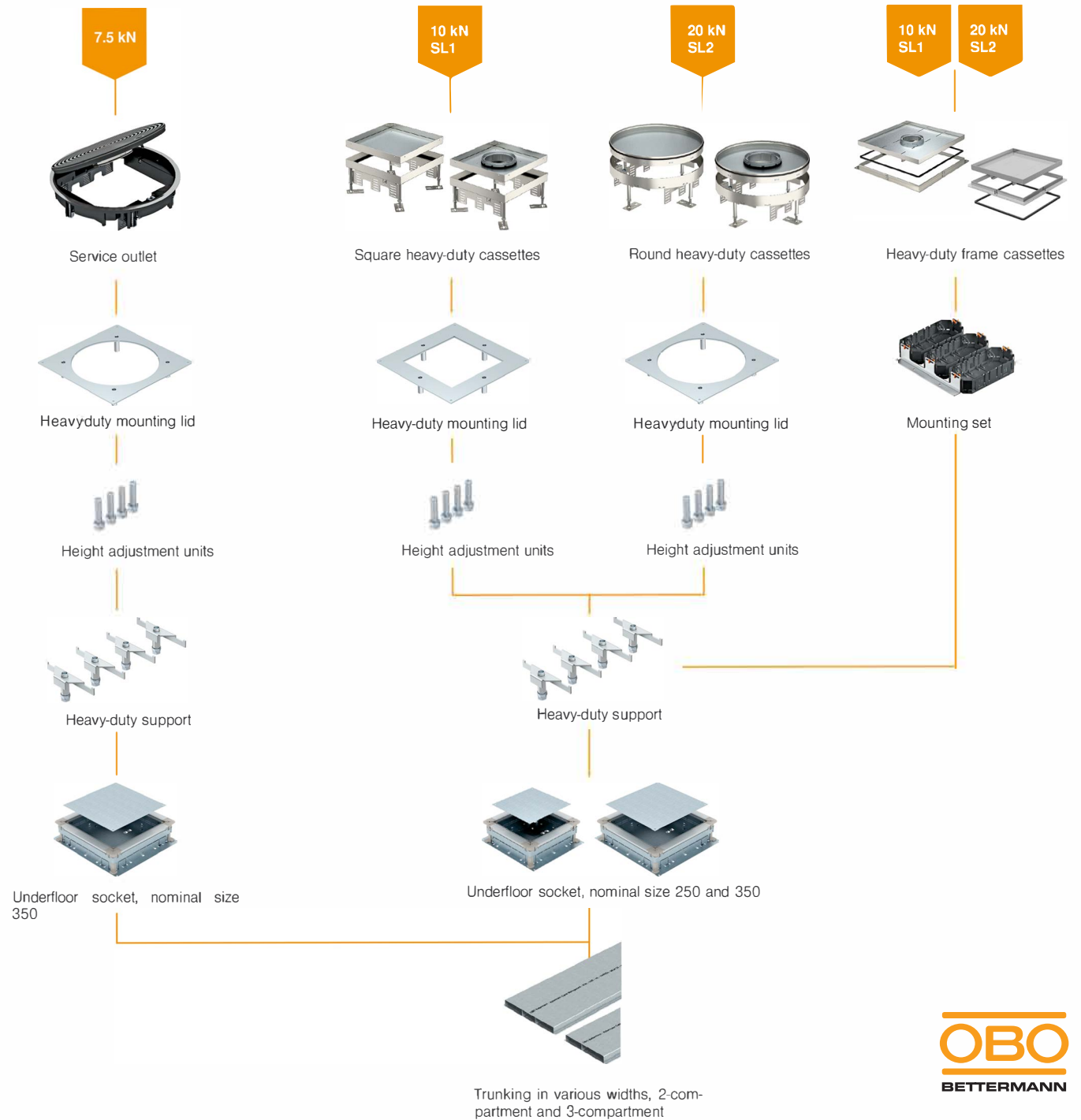
- Screed height
- Shape of the cassette and the heavy-duty mounting lid
- Duct width

Ducts

Selection according to

- Cable volume

Load capacity



The screed-covered solution

The screed-covered heavy-duty solution consists of six system components: The underfloor ducts, underfloor sockets, heavy-duty supports, heavy-duty mounting lids, height adjustment units and heavy-duty cassettes. The 2 or 3-compartment underfloor ducts are used for cable routing and can easily be connected to the prepared installation openings of the underfloor sockets. The underfloor sockets permit the installation of heavy-duty cassettes for inspection purposes or for the mounting of installation accessories such as sockets, data or multimedia technology. The heavy-duty supports and the special heavy-duty mounting lid provide the necessary stability. The heavy-duty cassettes are inserted in the heavy-duty mounting lid, allowing access to the installed installation devices.

Underfloor junction and branch box

The underfloor sockets of the nominal sizes 250 and 350 must have a non-positive connection to the screed. To avoid a reduction in the load capacity and damage to the floor covering, no edge insulation strips can be laid around the underfloor junction and branch box.

Heavy-duty cassettes

Heavy-duty cassettes are suitable for creating inspection openings or for the installation of devices in areas with high load requirements. The cassettes are adequately dimensioned for absorbing traffic loads and are rated for individual static loads up to 10 kN (SL1) or 20 kN (SL2). The GRAF9 service outlet is available for smaller loads up to 7.5 kN.

Heavy-duty mounting lid

The heavy-duty mounting lid is selected according to the appropriate heavy-duty cassette. The height adjustment units enable the screed-flush height adjustment of the heavy-duty mounting lid and are to be ordered separately.

Heavy-duty supports

Heavy-duty supports are additional expansion parts for underfloor sockets and increase the load capacity. The supports are inserted in the corner areas of the underfloor box and are tensioned under the socket frame.

Ducts

The screed-covered ducts are only subjected to loads during the mounting period. Before screed laying, the ducts are classified with a load capacity of 750 N according to DIN EN 50085-2-2. After screed laying, no loads impact on the ducts, as the screed accepts the loads as a static layer. For this reason, underfloor ducts from the standard product range can also be used in areas with high load requirements. 2 and 3-compartment underfloor ducts from the EÜK screed-covered duct system are available.

07.05.15 ACKERMANN 7400340 S3/350-38 CE VDE MADE IN EU