

Tender text

Stainless steel well shaft for deep wells

as a fully installed prefabricated shaft with a hexagonal ground plan as a well closure structure. Designed for smaller wells, the pre-assembled shaft made of stainless steel 1.4162/304L is supplied with complete well equipment.

Structure:

Shaft casing, consisting of folded, 3 mm thick and tightly welded stainless steel sheet. For reinforcement, flat material blanks must be welded all round on the outside in accordance with static requirements.

A DN 600 installation opening with dome (H=800 mm) incl. shaft cover for pump installation and a DN 800 access opening with dome (H=800 mm) incl. shaft cover with ventilation hat must be welded tightly into the top cover.

The base must be made of anti-slip tear plate with built-in pump sump and welded-in DN 300 well head. Designed with stiffening pipes welded to the bottom and fixing lugs welded to the outside for fixing to concrete laid on site as buoyancy protection.

The complete manhole must be delivered inert gas welded inside and out, pickled and passivated. Internal dimensions 1650 x 2000 x 2000 mm

Shaft installations:

- Safety ladder, 400 mm wide, installed vertically in the dome area, set at an angle in the pipe cellar
- Plug-in part with fall protection as climbing aid
- Ventilation stack DN 150 with integrated pressure pipe
- Pipe penetration DN 65 with flanges
- Well head DN 300 with pump support plate DN 65
- Complete installation in DN 65 with MID, shut-off valve, non-return valve, R1" flush valves, sampling valve and manometer unit
- Dehumidifier
- Drainage pump with pressure line
- Electrical installation LED light, distributor, fuses and repair switch for the well pump
- Pressure probe on the output line
- Emergency lighting
- Cable glands with press seal set
- Potential equalisation and external earthing connection for a deep earth electrode or earthing round bar
- Transport lugs, assembly and fastening material

Manufacturer: Hydro-Elektrik GmbH

Type: Hydro-Hex 1600