Input Data for structural analysis

of application buried pipes in open trench condition, calculation acc. SIA 190

Please send to:

Amiblu Germany GmbH
Am Fuchsloch 19
D-04720 Döbeln
T +49 3431 71820
germany@amiblu.com

Amiblu Germany GmbH
Gewerbepark 1
D-17039 Trollenhagen
T +49 395 45280
germany@amiblu.com

Amiblu Holding GmbH
Sterneckstrasse 19
A-9020 Klagenfurt
T +43 463 482424
austria@amiblu.com

Amiblu Switzerland AG
Turmstrasse 28
CH-6312 Steinhausen
T +41 79 8897 970
switzerland@amiblu.com

project	
company	contact person
street	phone/fax
postcode	signature
city	date/stamp

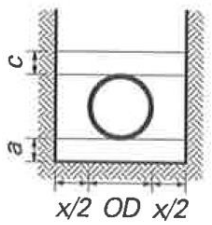
Pipeline:

nominal diameter DN	
pressure class PN	
nominal stiffness SN	
pipe material	GRP

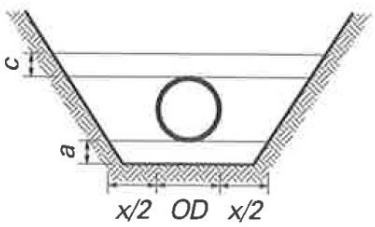
- sewer pipe ☐
- sewer pressure pipe ☐
- pressure pipe ☐
- potable water pipe ☐
- installation in protective water area ☐
- air pipe ☐
- storage sewer ☐
- others

Profile:

U1 ☐



V1 ☐



Trench:

Trench width m

Trench angle °

Quality ground: (SIA190:2017 - Art. 5.3.2.3)

Normally stable ☐ dense to stiff ☐

Material in pipe zone: (SIA190:2017 - Art. 3.1.2.2 - Tabelle 1)

Density γ		kN/m³
Density under Groundwater condition γ'		kN/m³
Inner friction angle ϕ		°
Degree of compaction D_{Pr}		%

Specification of loads:

	Min. cover depth		Max. cover depth	
Depth of earth cover h		m		m
min. Ground water h_w above pipe invert		m		m
max. Ground water h_w above pipe invert		m		m

Other surface loads kN/m² (attach a sketch of its position on the pipe)

For pressure pipes Short term bar, e.g. system test pressure; hydrostatic pressure, water hammer

Long term bar, e.g. operating pressure (OP), system pressure (PN, DP)

Traffic load ☐ no traffic

street
- ☐ in the middle of street LM1
- ☐ on the side of the street
- ☐ subordinate street

railway
- ☐ one track
- ☐ more tracks
- ☐ narrow track