

Input Data sheet for structural analysis

For case of application jacking process;
calculation acc. DWA-A 161

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

Text input.

project name

Text input.

company

Text input.

contact person

Text input.

street

Text input.

phone/fax

Text input.

postcode

Text input.

mail

Text input.

city

Text input.

date/stamp/signature

details to the jacking pipe:

pipe material	<input type="text" value="GRP (UP-GF)"/>	pressure class PN	<input type="text"/>	bar
outer diameter OD	<input type="text"/>	mm	wall thickness e	<input type="text"/>
				mm
pipe unit length l	<input type="text"/>	m	jacking force plan.	<input type="text"/>
				KN

details to the jacking section:

jacking length compl.	<input type="text"/>	m	longest single jacking section	<input type="text"/>	m
jacking route	<input type="checkbox"/> straight <input type="checkbox"/> one curve <input type="checkbox"/> several curves				
curve radius	curve 1	<input type="text"/>	m	curve 2	<input type="text"/>
				m	curve 3
					<input type="text"/>
					m
planned transition between curves	<input type="checkbox"/> yes <input type="checkbox"/> no				
intermediate jacking station	<input type="checkbox"/> yes <input type="checkbox"/> no				

details to the jacking process:

jacking process

OD drill head mm

lubrication during jacking operation no yes lubricant pressure bar

permanent grouting of the annular gap no yes grout pressure bar

Issues for static calculation for jacking method acc. DWA-A 125 / DVGW GW 304:

- Shield with support liquid and ground slurry; continuous support of annular gap for the whole jacking section starting from shield with documentation
- Other jacking methods; continuous support of annular gap for the whole jacking section starting from shield with documentation
- overcut $\leq 1,0\text{cm}$ (relating to the radius), without continuous support of annular gap for the whole jacking section
- overcut $> 1,0\text{cm}$ (relating to the radius), without continuous support of annular gap for the whole jacking section

Details to the loads:

Depth of earth cover (above pipe crown) min. $h_{\ddot{u}}$ = m max. $h_{\ddot{u}}$ = m

Ground water table (above pipe bottom) min. $h_{\ddot{u}}$ = m max. $h_{\ddot{u}}$ = m

Inner pressure Installation condition bar operating condition bar

Water filling Installation condition bar operating condition bar

Traffic load LM 1 LM 71 – single track* LM71 – multiple track*
 DAC/BFZ no traffic

* please attach a cross-section

add. **area loads** on surface (e.g. buildings) KN/m²

