

Bracing of the Odertal Bridge (Germany)



Facts

Bracing capacity: 3'000 t

Handling equipment

Strand jack H-70:	4 pcs
Strand jack H-140:	20 pcs
Strand jack H-200:	8 pcs

Description

During the construction of the Odertal bridge a certain part of the terrain was not allowed to be strained by auxiliary constructions, because of environmental reasons. Therefore the 1'030t steel structure was assembled by using the free cantilever method.

The necessary temporary anchor poles took place partly within the bridge construction and partly over two 26 meter high pylons. 32 stand jacks were called into action to take on the load of the anchor poles.

The construction of the devices took place in two stages. Special requirements: due to the change of the loads during the proceeding installation, the anchor pole had to be continuously adjusted according to the appointed surveyor.

