

S T R A N D L I F T I N G
T E C H N O L O G Y



Project Report

Bridge Displacement Saarmund



DISPLACEMENT OF A RAILWAY BRIDGE

Two 800 kN strand lifting jacks with hydraulically actuated grips were used for displacement of the railway bridge over the Nuthe river in the southwest of Berlin. The monolithic bridge with an own weight of approx. 2800 t was constructed beside the existing track and, after demolition of the existing bridge, displaced by 30 m to the final position using strand lifting jacks.

DATA	
Bridge span:	approx. 21 m
Bridge weight:	2.800 t
Displacement distance:	30 m
Realization date:	October 2016
Executing company:	Thyssenkrupp Infrastruktur GmbH

PAUL STRAND LIFTING TECHNOLOGY USED	
Strand lifting jacks:	2 x PDH-080
Hydraulic units:	2 x PDP-16
Max. displacement force:	2 x 800 kN
Control system:	Paul synchronized stroke control



BRIDGE DISPLACEMENT SAARMUND AT YOUTUBE:
[stressing-channel.paul.eu](https://www.youtube.com/channel/stressing-channel.paul.eu)

