

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 with Upward Slope



BRIDGE DISPLACEMENT WITH 6% UPWARD SLOPE

The railway bridge in Rockendorf was displaced by 35 meters via a ramp with 6% upward slope in 80 minutes. The Paul synchronized stroke control with two 800 kN strand lifting jacks and two hydraulic units was used for this application.



DATA	
Bridge weight:	1.000 t
Displacement distance:	35 m
Difference of level:	approx. 2,1 m
Upward slope:	6 %
Realization date:	August 2017
Executing company:	Thyssenkrupp Infrastructure 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



PAUL STRAND LIFTING TECHNOLOGY ON YOUTUBE:
[stressing-channel.paul.eu](https://www.youtube.com/channel/UCstressing-channel.paul.eu)

