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Brochure Repair and  
Strengthening,  
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## Lifting/Moving of Structures

Lifting and moving of structures can be advantageously used as part of a rehabilitation scheme:

- Lifting of structures as an easy strengthening measure: redistribution of the action effects in a statically indeterminate structure is achieved through imposed deformations (e.g. through lifting a continuous bridge at its supports)
- Moving of structures or portions of them through jacked sliding.

DYWIDAG bars (THREADBAR<sup>®</sup>) with their easy anchorage elements and mechanical coupling system are used as tension elements for lifting or moving heavy and complex structures. If required, DSI can assist you with the supply of special equipment and technical support.

## Jacked Sliding

Some rehabilitation schemes require the demolition and rebuilding of a portion of a structure. A very efficient method to achieve this is to move the structure and then demolish in its relocated position. This will result in little interruption in the function of the remaining structure and would allow an early start of the reconstruction. Another effective rehabilitation technique is to construct the new structure adjacent to the one to be demolished. After demolition is complete, the new structure may be shifted to its final location in a very short time .



Values are based on the German Code (DIN). Adaptations to other code systems or concrete strengths (e.g. ASTM, BS, etc.) are possible.