

## Punching Shear Reinforcement



## JORDAHL® Punching Shear Reinforcement JDA

Don't waste space. Or time.

Compact Information

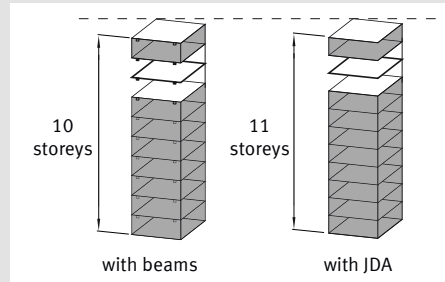
# JORDAHL® Punching Shear Reinforcement JDA

JORDAHL® punching shear reinforcement is used to transfer high shear forces in foundations and flat floor slabs with only minimal effort regarding formwork and reinforcement and to make optimal use of space.

Compared to foundations without punching shear reinforcement, the punching shear resistance can thus be increased by 50% and by 96% compared to floor slabs without punching shear reinforcement.

## Optimal use of space

- Low construction height of concrete slabs
- Applicable for thin concrete slabs from 18cm slab thickness
- Plane ceiling soffit
- For all column positions and column forms



Lower construction height with JORDAHL® JDA punching shear reinforcement

## Advantages

- European Technical Approval for static and dynamic loads (ETA-13/0136)
- 1.96x load capacity compared to floors without punching shear reinforcement
- Low formwork effort
- Faster and easier installation
- Can be installed from above or below after the installation of flexural reinforcement
- Flexible production to suit structural requirements
- Higher capacity than conventional reinforcement techniques

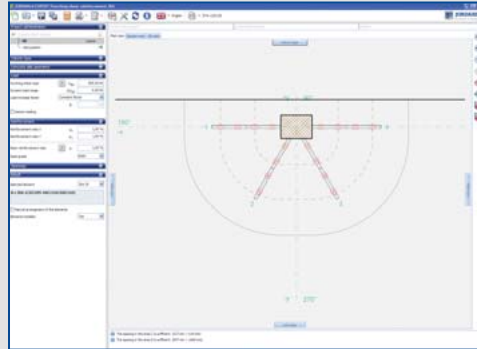
## Features

- JORDAHL® punching shear reinforcement consists of **double-headed** anchors connected by a perforated connecting strip
- Double-headed anchors ensure the transition between punching shear and shear force transfer
- For concrete strengths C20/25 to C50/60
- Standard elements or individual production for an optimal solution



## Maximum planning reliability

- JORDAHL® EXPERT punching shear reinforcement JDA design software for selecting the optimum JORDAHL® punching shear reinforcement JDA
- Free download on [www.jordahl.de](http://www.jordahl.de) → [Download](#)
- Fast and clear input
- Output includes a verifiable structural analysis
- The software is based on the European Technical Approval ETA-13/0136
- For structural analysis of in-situ concrete slabs, foundation slabs, element floors and footing foundations



## JORDAHL® Punching Shear Reinforcement – for in-situ concrete

- Use for floors and foundations
- Simple and safe in-situ concreting
- Reliable height positioning: double-headed anchors enclose the reinforcement layers
- Accessories: assembly aids and spacers



## JORDAHL® Punching Shear Reinforcement – for element floors

- Use in precast concrete elements
- JORDAHL® punching shear reinforcement JDA-FT-KL
- All element components are supplied as component parts
- Easy allocation via coloured markings
- Simple click-fit
- Accessories: plastic or fibre concrete spacers



# JORDAHL Products

## Convincing Reliability and Quality

- A century of quality "made in Germany", used in construction projects around the world
- Production with stringent quality controls in accordance with the requirements of German and European certification procedures
- Internal quality assurance and quality controls in accordance with ISO 9001:2008
- Extensive product range comprising excellent anchoring and connecting elements
- State-of-the-art technology
- Customer support for efficient building and adherence to quality standards
- European Technical Approval and national technical approvals



In addition to JORDAHL® punching shear reinforcement, we also produce numerous other innovative fastening, mounting and (façade) connection products which are used all over the world. We have guaranteed the highest quality and safety standards for more than 100 years and offer our customers individual, top-quality solutions.

## Convincing Performance

- Technical support for planning and design
- Excellent technical know-how from a team of internationally experienced engineers
- Just-in-time delivery to the site
- Cost-effective planning and support with engineering calculations
- Customised solutions and project-specific advice

## Convincing Service

You are always well advised to choose JORDAHL products. Because whether you need engineering calculations, general technical advice/service or the development of individual solutions, the JORDAHL experts in our Berlin development and service centre set a high standard. Our qualified and experienced staff are always up to date

with the latest developments and can thus provide you with the most modern, flexible and individual solutions – taking care of all your needs.

How do you get in touch with the JORDAHL experts? Simple: via email at [experten@jordahl.de](mailto:experten@jordahl.de) or by phone on +49 (0)30 68283-433.

### JORDAHL GmbH

Nobelstr. 51  
12057 Berlin  
Germany

Tel + 49 30 68283-433

Fax + 49 30 68283-498

[www.jordahl.de](http://www.jordahl.de)

[info@jordahl.de](mailto:info@jordahl.de)