

JORDAHL[®] Anchor Channels

Safely connecting quality with experience.

Compact Information



JORDAHL[®]
anchored in quality

JORDAHL® Anchor Channels

For over 100 years JORDAHL® anchor channels type JTA have been the quality and performance benchmark for concrete fastening technology. Today, the financial constraints on developers mean that modern building programs require structural, MEP, and facade components to be accurately and reliably installed to the structure within compressed construction schedules. Designers are also under time pressure and need detailed technical information and calculation tools to accurately select and position connections, in the most efficient manner.

JORDAHL® anchor channel type JTA

For most anchorage to concrete applications



Features

- Cast-in connection system for safe anchorage to concrete
- Available in 7 sizes providing a factored load range from 1,500 lbs. to 16,800 lbs. per T-bolt connection
- Reliable and safe design approach
- High resistance to fatigue, seismic and blast loads
- Hot-dip galvanized & stainless steel materials
- Channel lengths from 6" to 19'-8"
- T-bolt diameters from M6 (1/4") to M30 (1-1/4")

Applications

Typical applications include concrete connections for:

- Curtain wall, window wall and punched windows
- Elevator shaft components and MEP services
- Structural and secondary steel components
- Handrails and architectural metals
- Precast and masonry components
- Tunnels and transportation structures

In this process both designers and contractors have to account for a huge range of site conditions that include extensive dimensional and load variables.

The features of the JORDAHL® anchor channels type JTA range enables contractors, developers and designers to reach their goals of safe and accurate installations, that are cost effective and completed in the shortest possible time period. Site safety is also greatly enhanced because no welding or power tools are needed for installation.

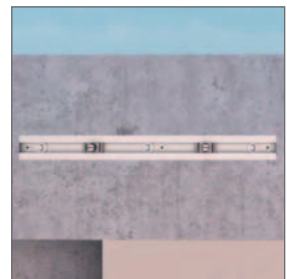
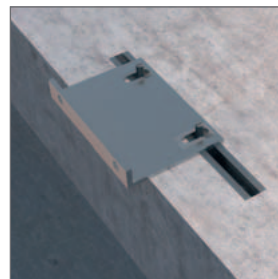
JORDAHL® anchor channel type JTA-RT

For high shear load anchorage to the top of concrete floor slabs



Advantages

- Simple, safe, and fast connections to concrete
- Easy to install without special tools
- No welding or drilling – no fires, no noise, no silica dust
- Exact positioning and easy adjustment of attached components
- Easy compensation for building tolerances
- Adaptable design and large product range enables versatile use and suitability for most connection applications

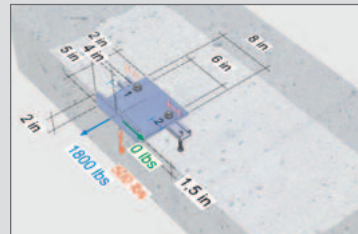
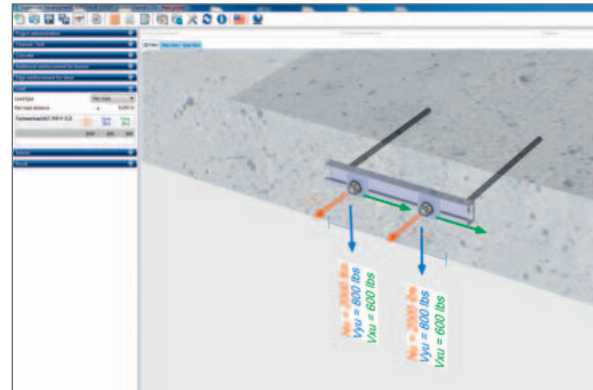


Safe and adjustable bolted connections to floor slabs, balconies, columns, walls, and precast components.

JORDAHL® EXPERT Software for JTA

JORDAHL® EXPERT Software for JTA is a user friendly software tool for designing and selecting the most efficient JORDAHL® JTA anchor channel solutions across an almost infinite range of concrete anchoring conditions. The software enables technical and economical optimization of the design for each individual connection situation to IBC, IRC, ACI 318 Appendix D, ICC-ES AC 232, and CSA A23.3-04

The interactive 3D graphics provide the user with an easy to use platform for the fast, clear input of all data variables including acting loads, edge distances, reinforcement and concrete types.



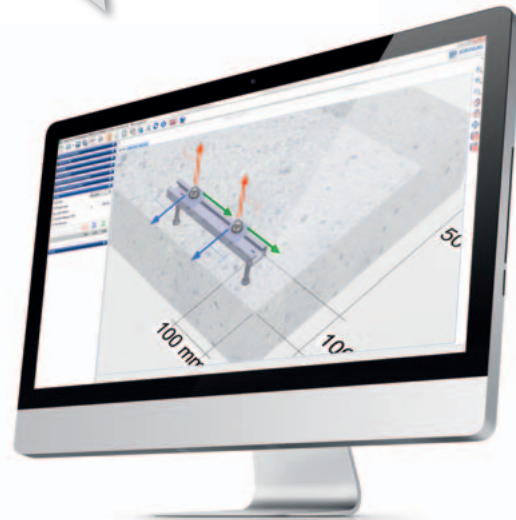
The software offers a design aid for the calculation of the load distribution through anchor brackets and determines the most critical load position.

Once the input information is entered and the calculation is complete, multiple results for all channel sizes are shown in a list with the corresponding maximum utilization. Upon choosing the most economical anchor channel and T-bolt, the design results appear along with a printable calculation.

Optimization of edge distances

c1.1 c1.2 c1.3 c1.4
 c1.1 + c1.2 c1.1 + c1.3 c1.1 + c1.4

Designation	Maximum utilization
JTA W 40/22-0300-2A Indg	113.98%
JTA W 50/22-0300-2A Indg	81.88%
Anchor 1	81.88%
Anchor 2	84.51%
Load position	29.01%
JTA W 13/18-0300-2A Indg	74.64%
JTA W 15/18-0300-2A Indg	76.75%
JTA W 17/18-0300-2A Indg	79.08%
JTA K 20/15-0300-3A Indg	216.80%
JTA K 30/17-0300-3A Indg	113.98%



The latest update of JORDAHL® EXPERT Software for JTA can be downloaded from our website www.deconusa.com

JORDAHL Products

Certified Quality and Tested Reliability

Our products are manufactured and perform to high standards of quality and reliability. With manufacturing experience dating back to 1907, our state of the art production facilities are both internally and externally monitored for quality control according to the following documentation:

- IAPMO Uniform ES Report #0293
- City of Los Angeles Research Report RR25795-T
- ISO 9001
- Performance and design according to IBC, IRC, ACI 318 Appendix D, ICC-ES AC 232, and CSA A23.3-04

ISO 9001 ✓

Extensive Service

Customer satisfaction is one of our most important objectives and we offer numerous services with our products:

- **Professional technical assistance** in planning and structural design
- **Outstanding technical know-how** from a team of internationally experienced engineers
- **Customized solutions** and project-specific advice
- **Cost-efficient planning** and support for technical calculations
- **Just-in-time delivery**

JORDAHL in North America

JORDAHL® Anchor Channels are exclusively represented in the United States by DECON USA INC. and in Canada by CONTINENTAL DECON INC., which have been JORDAHL subsidiaries since 2013. JORDAHL offers over 100 years experience in anchoring technology. DECON has over 25 years experience as the innovator of DECON® Studrails and 50 years experience as a manufacturer of a full line of stud-weldable fasteners, including headed concrete anchors and shear connectors. Together we provide exceptional expertise in bringing well known quality products and technical support to the North America market.



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