

# New building industrial hall

Niederaichbach



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**Type of building:**

**Clients and Developers:**  
Automobilhersteller

**Completion:**  
2016

**An industrial hall for a German automobile manufacturer is being built near Landshut. This project included the use of the 32 mm diameter Coupler position connection.**

A press pit is to be created in the already completed hall. In order to retain the groundwater of the nearby Isar, which is only about one meter below ground level, the excavation pit was first constructed with bored piles and a foundation was laid. Once the dewatering was secured, work could begin on the actual project, the creation of the press pit. This involved particular requirements for planning, reinforcement layout, production and assembly.

Since the ring anchor would be very low due to the already specified height of the floor slab, the structural engineers designed reinforcement bar (8 pieces  $\varnothing$  32 mm) which could be laid in one layer without overlap joints. When using sleeve connections, sleeve joints should be staggered. Due to the very high tensile forces on the ring anchor (dimension approx. 12 m x 18 m), a closed reinforcement system was required with national technical approval for 100% transmission of tensile and compressive forces. The designers therefore chose the new MAX FRANK Coupler position connection, which fulfils these requirements.

The detail planning, the reinforcement bar bending shapes required for the ring anchor and precision manufacture by MAX FRANK combined to convince the planner and client of the Coupler position connection. The building site was supplied to the complete satisfaction of the customer with MAX FRANK sometimes in attendance at the construction.

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