



## FXpro articulation systems

The best connections for trams and streetcars

For many years HÜBNER has stood for quality and reliability with its articulation systems. The articulation systems provide high load capacity while at the same time having a low weight themselves. With the models FX500pro, FX1000pro and FX1500pro, we offer high-performance articulation technology for trams with a long service life and low lifecycle costs.

### Benefits of the FXpro series:

- Longest service life in comparison to other well-known systems on the market
- Minimal wear (for bogies and tracks) thanks to low breakaway torque
- Rust-free due to corrosion-resistant steel
- High availability of spare parts thanks to HÜBNER in-house production
- Modern eco-design for high reusability during refurbishment (98 % of all metal parts)
- Universal interface compatibility for well-known installation situations
- Flexible integration in new as well as in established vehicle concepts on the market

**Mobility** | Making mobility happen.

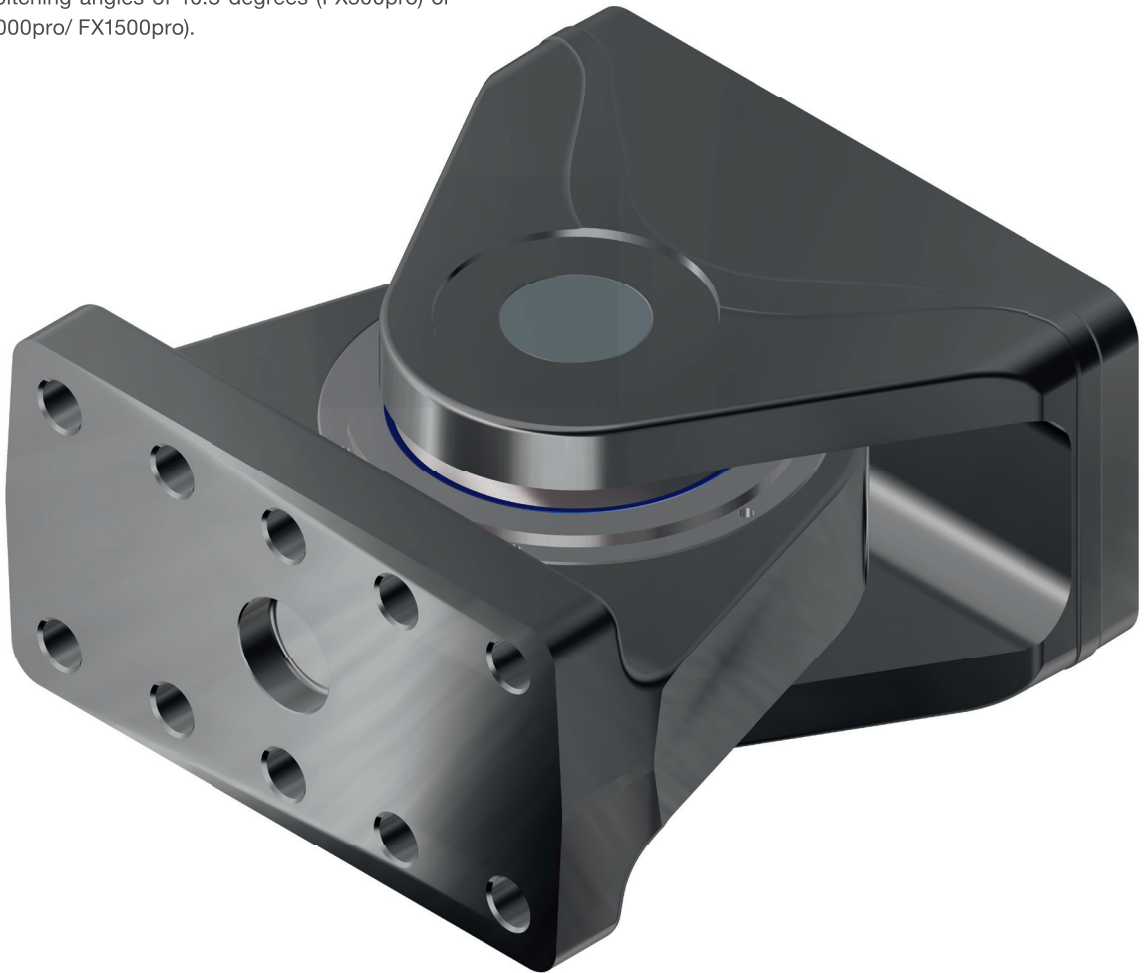
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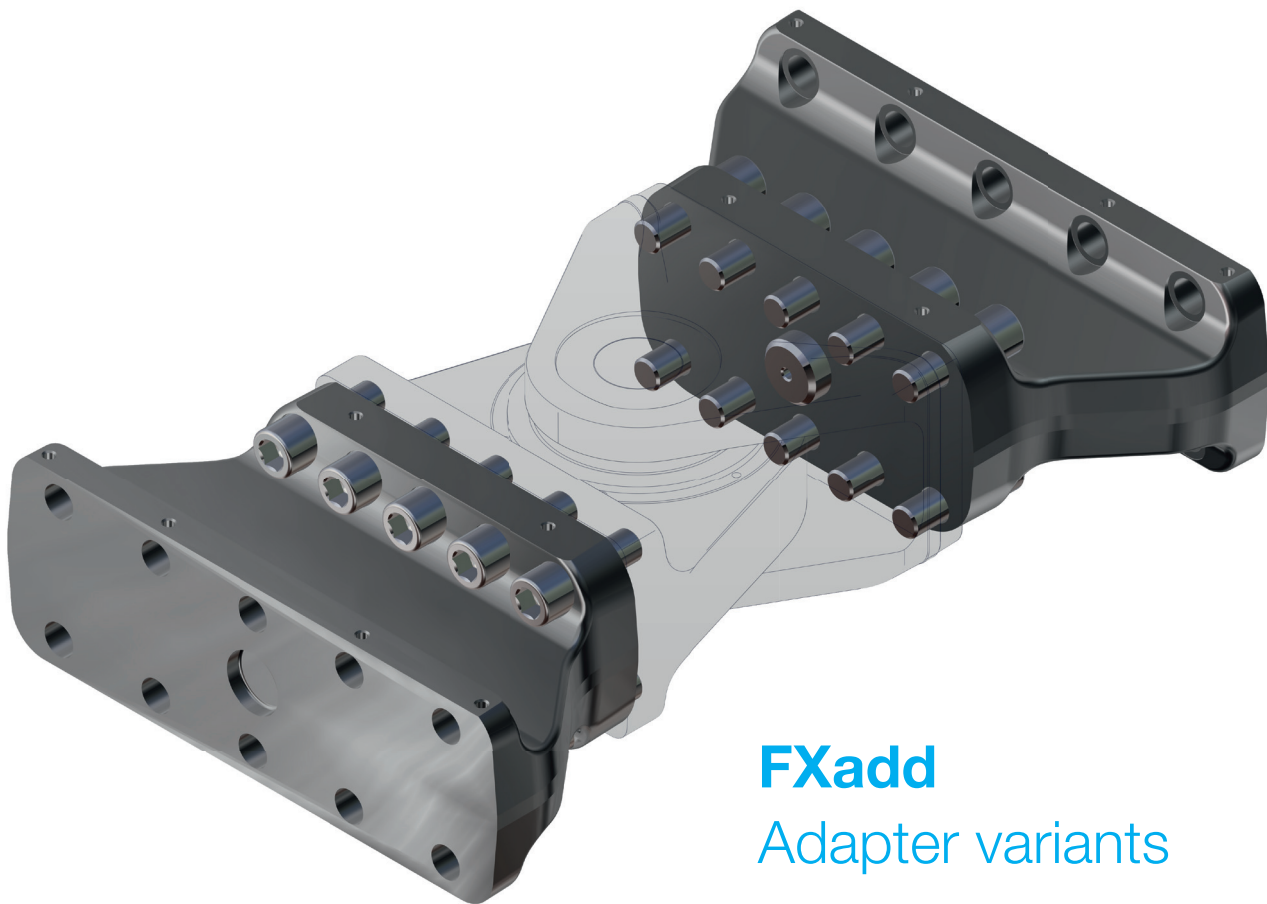


HÜBNER offers its articulation systems  
with a **flexible modular concept**:

## The Universal articulation **FXpro**

This articulation is the original product and the starting point of HÜBNER articulation expertise. It adjusts flexibly to movements and forces with pitching angles of 10.5 degrees (FX500pro) or 6.5 degrees (FX1000pro/ FX1500pro).



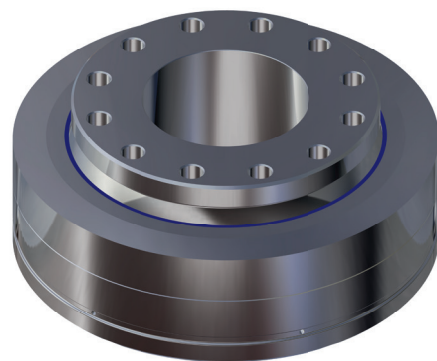


## FXadd Adapter variants

The Adapter variants can be used on a modular basis and thus provides the “best fit” for every tram body interface. The various FXadd variants can be flexibly adjusted to standard platforms and vehicle interfaces. Even asymmetrical designs are possible.

## New : The **FXcore** spherical bearing

To give our customers even more flexibility, we offer the radial spherical bearing FXcore as an especially high-performance independent product solution. This will make the FXpro series available for all vehicle concepts and articulation systems currently on the market.





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