

Force Transfer Standard Series KTN-BU



The model series for precise high forces:
Build-up systems with flexibility.

- Custom-tailored - each system for the particular application
- Use of precise bending ring transducers or slim column transducers
- Kinematic decoupling of deformations under load
- Modular design with coordinated measuring ranges
- 3-system, combined also as two-stage reference system





Force Transfer Normal Series KTN-BU

Properties and Features

The build-up systems are our solution for the measurement of large forces engineered by us to meet individual customer requirements.

With the **kinematic decoupling** we provide a force introduction that can be better reproduced. The **bending ring transducers** form the basis of the systems; they allow recording the introduced forces completely and without measuring gaps. This provides you with high reliability of your measurement, even if the installation conditions change.

Thus we always ensure optimised, modular transfer normals, either statically determinated 3-systems and 9-systems or even statically overdetermined systems for any number of transducers.



Application areas

The multiplication of forces with the feedback of machines and systems is the key application area of the build-up systems because of the comparatively low investment costs. The relatively low weights of the individual components are thereby particularly beneficial for the user.

Because of the large support distance of the force transducers the systems are very resistant against mechanical interference variables. They are therefore ideally suited as stationary reference transducers in machines for force measurement.



Versions

3-systems can be designed as two-stage reference system through the addition of a smaller fourth force transducer including mechanical overload protection.

In case of tight installation conditions slim column transducers are also available as alternative to the bending ring transducers.

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