

# KFD-HS - low centrifugal force losses



Premium power chucks with through-hole for maximum speeds with simultaneously low centrifugal force losses

Power chuck available with cylindrical centre mount or short taper mount. 3-jaw version with serration (90°) or tongue and groove. 2-jaw version with serration (90°).

## **CUSTOMER BENEFITS**

- Low centrifugal force losses and high speeds thanks to special wedge hook
- Low centrilligal force losses and high speeds thanks to special wedge hook system with annular piston
  Larger than average through-hole for wide range of workpieces
  Maximum precision thanks to rigid chuck construction
  If necessary quick conversion to a different spindle nose by simply exchanging the centering adapter

## TECHNICAL FEATURES

- Universal construction of the piston connection (piston does not project into the spindle bore area, even with the piston position moved back)
- Long jaw guide Clamping inserts can be used for bar machining (special version)

#### Included in the scope of delivery:

Chuck, chuck and jaw mounting screws, mounting wrench, slot nuts (without top















## Gripping force/speed diagram (3-jaw chucks only)

The loss of gripping force was determined experimentally on a chuck with matched UB top jaws. It is largely independent of the initial gripping force at zero speed.

Upper curve: min. centrifugal force of top jaw



Lower curve: max. centrifugal force of top jaw



To obtain the specified gripping forces, the chuck must be in a perfect condition and lubricated with F 80 lubricant recommended by RÖHM. Measuring point near chuck face.



