

ROTEX® GS

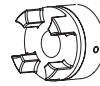
Backlash-free jaw couplings

Types of hubs

Due to the numerous applications of ROTEX® GS for many different mounting situations, this coupling system is available with various hub types. The different hub types can be combined optionally within one size.



Type 1.0
with feather keyway and setscrew
Positive-locking power transmission, permissible torque depending on the permissible surface pressure. Not suitable for backlash-free power transmission with heavily reversing operation.



Type 1.1
without feather keyway, with setscrew
Non-positive torque transmission. Suitable for backlash-free transmission of very small torques.
(For ATEX category 3 only)



Type 1.5
with hydraulic clamping system
Integrated frictionally engaged shaft-hub-connection for transmitting high torques with easy assembly by means of a screw.



Type 2.0 clamping hub
single slot without feather keyway
Frictionally engaged, backlash-free shaft-hub-connection. Transmittable torques depending on bore diameter. Type 2.0 up to size 14 as standard.
(For ATEX category 3 only)



Type 2.1 clamping hub
single slot with feather keyway
Positive-locking power transmission with additional friction fit. The friction fit avoids or reduces reverse backlash. Surface pressure of the keyway connection is reduced. Type 2.1 up to size 14 as standard.



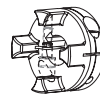
Type 2.5 clamping hub
double slotted, without feather keyway
Frictionally engaged, backlash-free shaft-hub-connection. Transmittable torques depending on bore diameter. Type 2.5 from size 19 as standard.
(For ATEX category 3 only)



Type 2.6 clamping hub
double slotted, with feather keyway
Positive-locking power transmission with additional friction fit. The friction fit avoids or reduces reverse backlash. Surface pressure of the keyway connection is reduced. Type 2.6 from size 19 as standard.



Type 2.8 short-type clamping hub C
with axial slot, without feather keyway
Frictionally engaged, backlash-free shaft-hub-connection, good properties of concentric running. Transmittable torques depending on bore diameter. Type 2.8 from size 24 as standard; size 7 - 19 type 2.8 single slotted.
(For ATEX category 3 only)



Type 2.8 short-type clamping hub C
with axial slot, with feather keyway
Positive-locking power transmission with additional friction fit. Surface pressure of the keyway connection is reduced. Type 2.9 from size 24 as standard; size 7 - 19 type 2.9 single slotted.



Type 6.0 clamping ring hub
Integrated frictionally engaged shaft-hub-connection for the transmission of higher torques. Screwing on elastomer side. For details about torque and dimensions see page 134/135 and HP page 138. Suitable for high speeds.



Type 6.0 precision clamping ring hub
Type 6.0 high-precision clamping ring hub
Operating principle equal to type 6.0, but highly accurate machining with slight modifications of design. See page 136/138.



Type 7.5 clamping hub type DH
without feather keyway for double-cardanic connections
Frictionally engaged, backlash-free shaft-hub-connection for radial assembly of coupling. Transmittable torques depending on bore diameter. For torques see page 146.



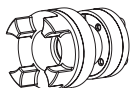
Type 7.6 clamping hub type DH
with feather keyway for double-cardanic connections
Positive shaft-hub-connection with additional friction fit for radial assembly of coupling. The friction fit avoids or reduces reverse backlash. Surface pressure of the keyway connection is reduced.



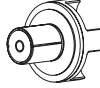
Type 7.8 clamping hub type H
without feather keyway for single-cardanic connection



Type 7.9 clamping hub type H
with feather keyway for single-cardanic connection

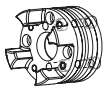


Type 4.2 with CLAMPEX KTR 250
Frictionally engaged shaft-hub-connection to transmit high torques with clamping screws externally.



Type 9.0 expansion hub
Frictionally engaged connection for hollow shaft. Transmittable torques depend on bore diameter and hollow shaft.

Special designs on request of customers



Type 6.5 clamping ring hub
Design equal to 6.0, but only clamping screws externally. As an example for radial disassembly of intermediate pipe (special design).