



Technical features and terms glossary

Brinelling

Markings of the locking balls on the metallic parts where they are in contact.

Burst pressure

Value of pressure at which a coupling loses its ability to retain pressure.

Dis/Connect force

Value of force required to connect the couplings without residual pressure in the system.

Connect torque

Value of torque required to connect the couplings without residual pressure in the system.

Coupled

Male coupling half connected with the female coupling half.

Disconnect torque

Value of torque required to disconnect the couplings without residual pressure in the system.

Female

Female coupling half uncoupled.

Interchangeability

Possibility of male coupling half or female coupling half to connect with the other brands of couplings.

ISO Size

Size indicated by ISO standard (the International Organization for Standardization) related to interchangeability of the couplings.

Male

Male coupling half uncoupled.

Mechanical connection

Method or type of connection that creates retention between the male coupling half and female coupling half.

Max. flow suggested

Max. flow suggested by Stucchi S.p.A.

Max. operating pressure

The maximum peak of pressure at which can be used the product.

Max. residual pressure during connection

Max allowed residual pressure (pressure trapped in the circuit) to connect the coupler.

Max. residual pressure during disconnection

Max. residual pressure trapped in the circuit where the coupler is allowed to disconnect.

Pressure drop

Pressure lost between the inlet and outlet of the coupling.

Rated flow

Typical rated flow relative to the size, in according with ISO 7241-2 standard.

Size

Nominal size of coupling body.

Spillage

Indicative value of the fluid loss per couple - uncouple cycle without residual pressure. Checked on sample in according with ISO 7241-2 test method.

Temperature range

Temperature range which can be used the product.

Tightening torque

Recommended torque to apply during connection on screw to connect couplings to prevent accidental disconnection.

Valve system

Type of valve used to shut-off medium flow from the male and female coupling half when disconnected.