

Quick Coupling Glossary

<p>Brinelling</p> <p>Markings made by the locking balls on the metallic parts they are in contact with, in high impulse applications.</p>	<p>Burst pressure</p> <p>Value of pressure at which a coupling loses its ability to retain pressure.</p>	<p>Dis/connect force</p> <p>Value of force required to dis/connect the couplings without residual pressure in the system.</p>	<p>Connect torque</p> <p>Value of torque required to connect the couplings without residual pressure in the system.</p>
<p>Coupled</p> <p>Male coupling half connected with the female coupling half.</p>	<p>Disconnect torque</p> <p>Value of torque required to disconnect the couplings without residual pressure in the system.</p>	<p>Interchangeability</p> <p>Possibility of male coupling half or female coupling half to connect with the other manufacturers' couplings.</p>	<p>ISO size</p> <p>Size indicated by ISO standard (International Organization for Standardization) related to interchangeability of the couplings.</p>
<p>ISO norm</p> <p>The norms used as reference for the test method are two: ISO 7241-2 issued in 1986 then canceled and replaced in 2017 by the new ISO 18869.</p>	<p>Mechanical connection</p> <p>Method or type of connection that creates retention between the male coupling half and the female coupling half.</p>	<p>Max. flow suggested</p> <p>Value of the maximum flow suggested by Stucchi according to the product's specifications.</p>	<p>Max. operating pressure</p> <p>The maximum peak of pressure at which the product can be used.</p>
<p>Max. residual pressure during connection</p> <p>Maximum allowed residual pressure (pressure trapped in the circuit) to connect the coupler.</p>	<p>Max. residual pressure during disconnection</p> <p>Maximum allowed residual pressure (pressure trapped in the circuit) to disconnect the coupler.</p>	<p>Pressure drop</p> <p>Pressure lost between the inlet and the outlet of the coupling.</p>	<p>Quick Coupling</p> <p>A quick, easy, sure product to repeatedly connect and disconnect almost any fluid line in a system and to turn off the flow immediately upon disconnect.</p>
<p>Rated flow</p> <p>Typical rated flow relative to the size, in accordance with ISO norm standard.</p>	<p>Size</p> <p>Nominal size of coupling body.</p>	<p>Spillage</p> <p>Indicative value of the fluid loss per couple - uncouple cycle without residual pressure. Checked on sample in accordance with ISO norm test method.</p>	<p>Temperature range</p> <p>See Conversion Table</p>
<p>Tightening torque</p> <p>Recommended torque to apply during connection on screw to connect couplings to prevent accidental disconnection.</p>	<p>Valve system</p> <p>Type of valve used to shut-off medium flow in the male or female coupling half, once disconnected.</p>		