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## Reduction cones for joining pipes having different diameters

A kind of joints ever present among [EN 10253 welded fittings](#) are **stainless steel welded reducers**.

They are pivotal for changing the diameter size on the piping line when there are flanges with different nominal diameters. They can be grouped into **stainless steel concentric reducers** and **stainless steel eccentric reducers**.

**Concentric reducers** either enlarge or shrink the piping's section in an identical way in relation to the flow's central axis. Instead, the use of **eccentric reducers** allow the continuity of the piping line on one side and cause the widening/shrinking of the flow on the other side.

**Concentric reduction** is more widespread and used except in those cases where the piping is due to contain fluids that go from a *liquid* to a *gaseous* state (or vice versa) as a result of *pressure* and *temperature*.

In this case, **eccentric reductions** are used because they are better for dealing with the condensation that originates in this kind of situation.

In this way, the piping's lower line is a straight line and potential condensation do not stagnate inside the piping.