

Fix Up Breakdown Information

With our unique and powerful software we are able to offer the fabricator the exact fit-up they require including allowances for shrinkage and root openings.

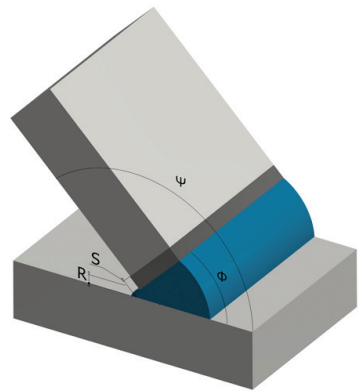
Dihedral angle ψ

Angle between the outer faces of the connected pipes. Calculations for optimal weld preparation are based on ψ .

Transition zone

The best type of weld (fillet, groove, butt) depends on the angle between two walls (ψ). On small sloped connections this angle differs strongly from heel to toe zone. In this case two different weld types can save weld volume and will be easier to weld.

A transition zone is needed to change from one weld type smoothly to another.



Root opening (R)

The separation at the joint between the pipes after fitting. Technique to increase the joint penetration for stronger connections.

Shrinkage (S)

A length compensation of the pipe to correct shrinkage of the weld.