



**SWANSON**  
INDUSTRIES

*Global Leader In Engineered Hydraulics*

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## WE-ER® PIPE-IN-PIPE COUPLING



### SPECIFICATIONS:

- Two Pipes Can Be Laid In One Single Assembly Step
- Assembly Is Quick And Simple, Connection Is Immediately Leak-Proof
- Laying Of Pipe Lines With Minimum Space Requirements, Substantial Reduction Of Transport



**WEINHOLD**  
High-Pressure Pipe  
And Connectors

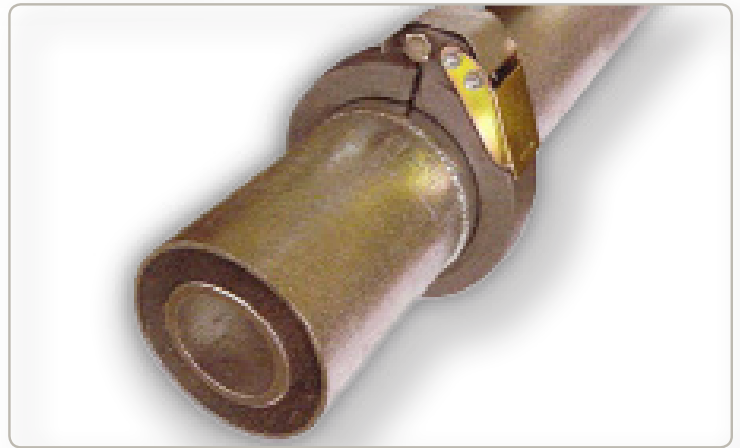
## WE-ER® pipe-in-pipe coupling

The WE-ER® pipe-in-pipe coupling is an enhanced version of the WE-ER® pipe coupling. It is particular because it can connect two pipes which are located one in another. In mining industry, usually separate supply (high pressure) and return (low pressure) pipes are used. WE-ER® pipe-in-pipe coupling allows to combine these two lines, the high pressure pipe being in the inner and the low pressure pipe being in the outer position. The design of the WE-ER® pipe-in-pipe coupling allows such an assembly. Pipe coupling parts are welded to the inner high pressure pipe as well as to the outer low pressure pipe, which is arranged concentrically to the inner pipe. The boreholes in the low pressure section allow an almost undisturbed flow of the fluid.

Connection is then made by joining the two flange parts. Sealing rings work radially so that a tight connection is produced upon joining the parts. It is not necessary to press or retighten additionally to achieve leak-proofness. The connection is secured by placing the clamp around the outer pipe. The clamp, which is made of die cast parts, fixes the pipes in axial direction so that they cannot move apart when pressurized. The clamp is mounted by means of a tension lever and a spring, however, these parts do have no impact under pressure, the clamp being firmly closed by two bolts made of stainless steel. Use of the WE-ER® pipe-in-pipe coupling allows to connect supply and return pipe in one step. The number of pipes which have to be transported and handled to lay a supply and return pipe system is reduced to 50 %10. Especially in situations where space is limited WE-ER® pipe-in-pipe system is most advantageous.

Another field of application for WE-ER® pipe-in-pipe coupling is a situation where pipes have to be heated. In this case, the fluid to be transported is in the inner tube whereas the heating fluid is in the outer tube.

In addition to pipes equipped with WE-ER® pipe-in-pipe coupling various fittings such as branch pieces, elbows, Y-branches and many more are available.



**Pipe-in-pipe system, e.g. for high pressure supply and low pressure return.**

### Additional products for the mining industry:



Photo descriptions Left to Right: WE-ER• hose fittings for the mining industry / WE-ER• high pressure combi-coupling / WE-ER• pipe-in-pipe coupling