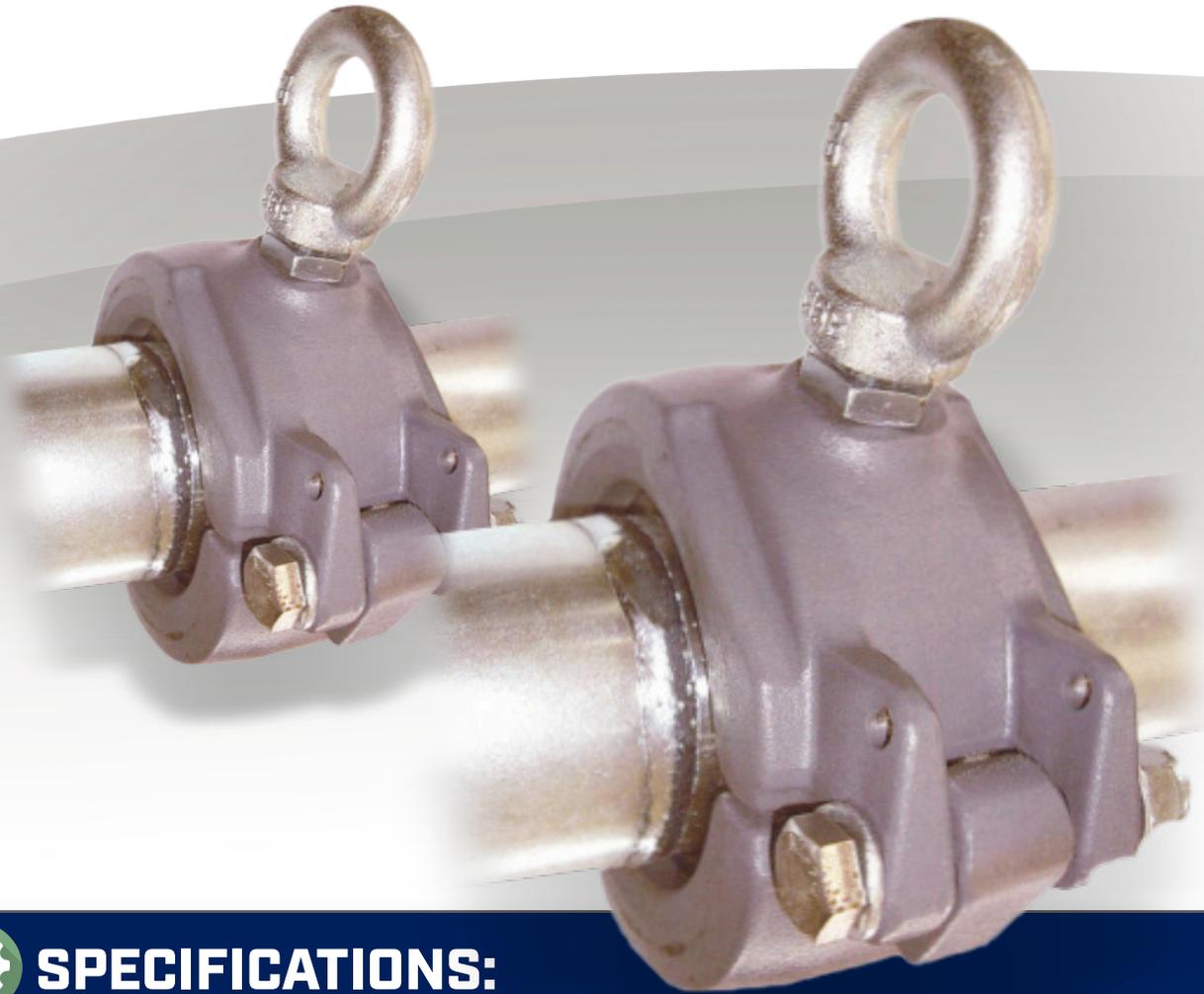




# WE-ER<sup>®</sup> HIGH PRESSURE COMBI-COUPLING



## SPECIFICATIONS:

- Quick And Easy Assembly, Connection Immediately Leak-Proof
- Clamps Can Also Be Used For Suspension
- Saves Transport Costs Because It Is Possible To Transport Clamps Fixed On The Pipes



**WEINHOLD**  
High-Pressure Pipe  
And Connectors

## WE-ER® high pressure combi-coupling

The WE-ER® high pressure combi-coupling serves to connect high pressure pipes. Basically, it consists of three components: a flange with sealing ring and sealing seat, another flange with inner sealing seat and the high pressure clamp. The flanges are welded onto the pipe ends and the connection is produced by inserting the flanges into one another. A leak proof connection is produced that way because the sealing ring works radially and not on the front side as in other types of connections. Thus, no additional contact pressure needs to be produced. After joining the flanges the clamp is laid around them and closed. To secure the connection a bolt is inserted and screwed in tightly. The clamp fixes the pipes in axial direction and prevents them from loosening when pressurized. As a result, the pipes are connected fast and without any additional tool. The clamp consists of two die cast parts, a tension lever and a spring. Lever and spring are only used for assembly and do not serve to keep the parts connected during pressurization. The connection, however, is secured by bolts which connect the two die cast parts. They also prevent an unintentional opening of the tension lever.

The pipes are made from hot-dip galvanized steel, the coupling parts are made from galvanized steel. The sealing rings used are made from Perbunan and have the adequate Shore hardness. The parts of the clamp are varnished, the security bolts, however, are made of stainless steel.

It is not necessary to adjust the connection after a certain period of operation as it is completely leak-proof right upon assembly.

WE-ER® high pressure combi-coupling has additional functions. By use of an eyelet fixed on the clamp it can also be used for suspension of the pipe. Additional parts for suspension are not required, which allows a substantial reduction of costs. Furthermore, for transport the clamp can be mounted on the pipe so that no separate transportation of the clamps is necessary. This is realized by a special design of clamp and pipe coupling parts. As a result, transport costs can be reduced.

In addition to the pipes, various fittings such as elbows, Y-branches, reducing pieces, branch pieces and caps can be equipped with these coupling systems.

After welding, all parts are pressure tested to 1.5 times the operating pressure. They are available for pressures up to approx. 5800 psi (400 bar), possibly 7200 psi (500 bar), the design of the parts being dimensioned accordingly.

The field of application comprises lines for face hydraulics and transport of pastes. Due to the bending capacities of the connection, the pipe line can easily be laid flexibly for longer distances so that it easily adapts to the conditions on site. Assembly is simple without additional tools so that as a result, substantial and attractive economies can be achieved. Easy disassembly allows the pipes to be reused, even after longer periods of operation.

The WE-ER® combi-coupling in the present design is also available for return pipes. Dimensions of the pipes and couplings are then adapted accordingly.

*Subject to modifications in design and technical changes. Dating from: 09/2012*

### 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