

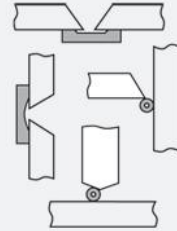
**Base material:** Stainless and mild or low alloy steels **Welding positions:** PA, PC, PF **Length per piece:** 600 mm

## Ceramic Backing

### Increased productivity when welding root runs

- Welding is done from one side.
- Eliminates/minimizes the need for back-gouging, grinding and re-welding operations on the reverse side.
- Permits larger variations in root gaps.
- Minimizes the need for turning the construction.

### Good quality on the root bead with excellent blend-in with base material



**Joint preparation:** Round backing for X and K-joints. The others for V-joints

## Elga Ceramic Backing

Elga Ceramic Backing provides root pass support when welding from one side only. It is an extremely effective way to reduce costs and improve quality for this critical and costly welding procedure. Elga Ceramic Backing eliminates the need for back-gouging, grinding and re-welding operations on the reverse side. No more turning of heavy plates or structures to weld the second side. Joint preparation will be simpler and higher welding current means higher deposition rates and increased productivity.

Elga Ceramic Backing gives you a smooth and even root bead with slightly convex profile and excellent blend-in with the base material. Since the ceramic material does not emit fumes it is ideal for low-hydrogen applications and welding in enclosed spaces.

## Benefits

### Reduced production costs:

- Eliminates the need for back-gouging, grinding and rewelding operations on the reverse side.
- Significant savings in costs associated with turning large and heavy plates or structures in order to weld the second side in the flat position.
- Increased productivity when welding root runs in position 1G/PA, 2G/PC and 3G/PF.
- Simpler joint preparation and reduced set-up time because tolerances for the root gap are greater.
- Use of higher welding currents, which means higher deposition rates and increased productivity.

### Quality improvements:

- Smooth, even root bead with slightly convex profile and excellent blend-in with base material.
- The ceramic material does not emit fumes and contains no moisture. Ideal for low-hydrogen applications.
- When welding in enclosed spaces the working environment is not polluted by fumes from arc-air gouging, grinding and rewelding operations.