

## Internal Stellar Couplers with Manual Handling

The Stellar Coupler with Manual Handling is a piece of equipment designed to couple the heads of two successive pipelines, keeping them firmly in place during the welding process. It consists of **two opposite rays** (two stars), supplied with adjustable heads lower extremities.

The **Star Couplers with Manual Handling** are available in sizes ranging **from 20" to 56"**: the maximum size is roughly equal to its nominal size, for a width of about 300 mm; the weight varies from about 50 to 135 daN.

Because of the limited weight, the Band can be moved manually. But, if it's necessary to move it using lifting equipment, it is sufficient to hook it through a lifting strap at any point of the frame itself.

The **capacity of the lifting equipment** must be at least **twice the weight of the Coupler** to guarantee safe handling and positioning.

### INSTRUCTION FOR USE:

- **Position** the Coupler at the junction to be welded;
- **Adjust**, by using the heads located lower the extremities of the rays, the operative provision of each star of the Coupler, making it coincide with the internal diameter of the tube;
- Insert the two coupler's stars inside the two pipelines: **one star for each pipeline**.

### MAINTENANCE:

- Check weekly the **machine status** and the functionality of the adjustable heads;
- Check monthly for any **anomalies** or **obvious defects on the structure tubes**.

## DATA SHEET:

INNER TUBE SIZE (INCHES/MM)	SHIPPING WEIGHT (KG)
20" / 450 mm	190 kg
22" / 500 mm	210 kg
24" / 550 mm	230 kg
26" / 610 mm	280 kg
28" / 660 mm	310 kg
30" / 710 mm	330 kg
32" / 760 mm	350 kg
36" / 860 mm	380 kg
40" / 960 mm	410 kg
42" / 1010 mm	480 kg
48" / 1160 mm	532 kg
56" / 1420 mm	580 kg