



Product Information

Special advantages

- Constant tape tension
- Reproducible overlap
- For seams, bends and pipes



DENSOMAT[®] KGR - Junior

Hand wrapping machine for application of DENSOLEN-Tape systems on pipes, bends,

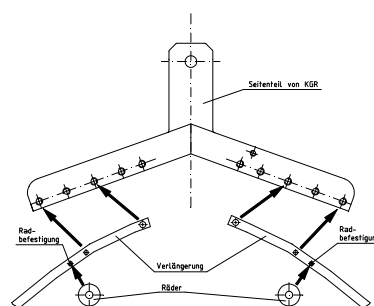
welded joints from DN 200 upwards.

Description

DENSOMAT KGR Junior is a manual wrapping machine used to wrap the cold applied DENSOLEN tapes spirally around pipes and bends.

The machine ensures constant wrapping tension and the required overlap.

DENSOMAT KGR Junior can be used for straight pipes, pipe bends and welded joints on steel pipes with diameters \geq DN 200. For pipe diameters $>$ 500 we recommend the use of extension arms (see illustration).



100 mm wide DENSOLEN tapes with 3" core can be applied with the DENSOMAT KGR Junior. Upon request we offer a special version for a tape width of 150 mm. The tape length on the roll depends on the tape thickness and is between 60 m and 120 m. DENSOMAT KGR

Junior requires a clearance of at least 40 cm around the full circumference of the pipe. DENSOMAT KGR Junior consists of an aluminium frame to which a sleeve (roll carrier spindle) is attached that is equipped with four longitudinally grooved mobile rollers; the tape roll is slid on the sleeve and fixed. The driving wheel and the wind-up mechanism for the DENSOLEN tape interleaving, if any, the adjusting screw for the infinitely variable control of wrapping tension and overlap and the four running wheels are mounted to the aluminium frame.

Weight: approx. 6.5 kg

Handling

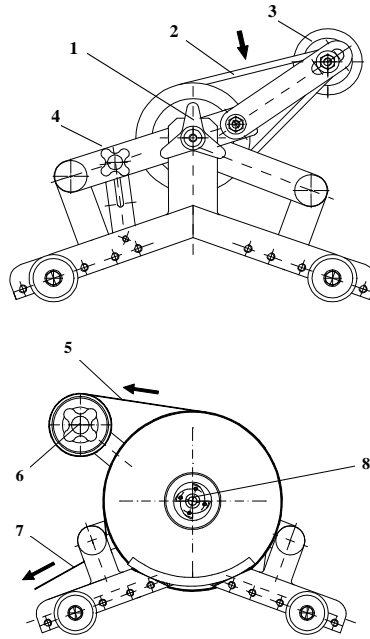
Insertion of DENSOLEN tape roll

Adjust the DENSOMAT running wheels to the pipe diameter. DENSOLEN tapes are supplied with or without interleaving.

Slide DENSOLEN tape roll onto the steel sleeve with its four integrated rollers. Thread the beginning of the DENSOLEN tape underneath the inter-leaving take-up reel, place it on the steel pipe and press it against the pipe. If there is a tape interleaving, wind it up on the empty plastics core. Adjust the interleaving draw-off tension with the star handle inside the interleaving take-up mechanism core.

Adjust and set the overlap of the DENSOLEN tape with the adjusting screw on the aluminium frame. Regulate the wrap-ping tension with the hand wheel.

Adjustments



- Adjust brake (1) so that tape width is reduced by max 1% during application.
- The interleaving (5) winding tension is adjusted by means of the star handle (6) to ensure faultless winding of the interleaving.
- The drive belt (2) is to be set with sufficient tension so that it does no slip during operation.
- Interleaving take-up reel (3).
- Overlap adjustment (4).
- Roll carrier spindle (8) for DENSOLEN-Tapes (7).

Tape Application

Set DENSOMAT KGR Junior on the primed dry pipe surface. Place and firmly press beginning of tape on pipe surface. When the DENSOMAT KGR Junior is drawn around the pipe the four wheels

must stay in contact with the pipe surface at all time. To wrap the lower pipe surface, the DENSOMAT KGR Junior is drawn down around the pipe and up again on the other side of the pipe. Also

in the lower pipe region the four running wheels of the DENSOMAT must always be in contact with the pipe surface.

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