

VR Displacement pipes

The **MSL** displacement pipes made of steel strips are very good bearing hollow bodies which can be checked for stability. Not just plate thickness but also form, height and number of beads are the decisive factors for stability. **MSL** produces 35 different pipe diameters from 0.1 to 2 meters and can thereby supply almost all dimensions required in the construction industry as a folded spiral tube. Since the end of the 1960's, we have been manufacturing displacement pipes at our company for the widest range of applications in Germany, Europe but also for overseas.

Thus, a **MSL** displacement pipe in the diameter of 1.8 meters was supplied as casing for a ventilation shaft for a tunnel construction site.

A very large area of application is in the area of bridge engineering. Here several thousand meters were produced in different diameters for many bridge projects in Germany, Austria, France and Africa.

By using connector joints, any extruded lengths can be created on site. To ensure buoyancy, single or dual point anchors can be supplied depending on the need. Distance brackets are offered for leveling and distancing of the displacement pipes according to the pipe diameters and the height dimensions required by the static engineer. Instead of an end cover, a conical end lock can be attached to the pipe which guarantees better laying of the prestressing elements at the end of the displacement pipe.

We are happy to provide you with further information on the topic of displacement pipes in bridge construction such as the anchoring system and assembly instructions. **MSL** displacement pipes are generally manufactured from Sendzimir-galvanised plates in individual lengths of 6 to 10 meters.

Material Galvanised Steel			
Pipes diameter (cm)	Weight (kg/m)	Wall thickness (mm)	Bead height (mm)
*10.0	1.1	0.4	3.0
*12.0	1.4	0.4	3.0
*12.5	1.4	0.4	3.0
*15.0	1.7	0.4	3.0
*18.0	2.1	0.4	3.0
*20.0	2.3	0.4	3.0
*25.0	2.9	0.4	3.0
*28.0	3.3	0.4	3.0
*30.0	3.5	0.4	3.0
*35.0	4.9	0.4	8.0
*40.0	5.6	0.4	8.0
*45.0	6.3	0.4	8.0
*50.0	7.0	0.4	8.0
55.0	7.7	0.4	8.0
57.5	8.1	0.4	8.0
60.0	8.4	0.4	8.0
65.0	9.1	0.4	8.0
70.0	9.8	0.4	8.0
75.0	13.7	0.5	8.0
80.0	14.6	0.5	8.0
85.0	15.5	0.5	8.0
90.0	16.4	0.5	8.0
95.0	17.3	0.5	8.0
100.0	22.4	0.6	8.0
105.0	23.5	0.6	8.0
110.0	24.6	0.6	8.0
115.0	25.7	0.6	8.0
120.0	32.8	0.8	8.0

* All pipe diameters in 6 m part length are in stock.
Larger diameters (to ø 200 cm) upon request.
Drainage braces diameter ø 3 cm, 5 cm long.



Installation of displacement pipes at a bridge construction site

Displacement pipe ø 1.8 m for ventilation shaft in tunnel construction

TENDERING TEXT:

MSL displacement pipe, type VR Manufacturer: MSL

Manufacture piece of recess from folded spiral pipe. Material: Black/galvanised. Bead depth and diameter according to MSL list.

Size: D=_____cm, L=_____cm