

# Cage Welding Machine : MBK ISM - 250



## Faster way to make quality cage

**ISM-250-R** from **MBK Maschinenbau GmbH** is a machine for the production of wire cages for the reinforced manholes and concrete pipes:

- ♦ Round straight cages
- ♦ Round cage with bell

### Specifications

- ♦ Diameter of cage : 330 mm-2500 mm
- ♦ Length of cage : 3000mm (Max.)
- ♦ Number of longitudinal : 18
- ♦ Spacing of wrap wire : 20-200 mm
- ♦ Diameter of longitudinal : 4-10 mm
- ♦ Diameter of wrap wire : 4-12 mm
- ♦ Welding capacity : 80 kva

### Characteristics

- ♦ More reliability and long life span due to stable construction
- ♦ High flexibility
- ♦ Closest possible production tolerance for precise and straight cages; compatibility with every standard
- ♦ Rapid chain controlled diameter adjustment (hydraulic, low-maintenance)
- ♦ Holding tray for longitudinals (load weight upto 1 ton)
- ♦ Winding wire decoiler without cut-off ramp (fixed)
- ♦ Simple winding wire guide up to welding roller
- ♦ Water re-cooling system with closed circuit cooling (only necessary to fill once)
- ♦ Safety light barrier system separated for feeding and cage removal side
- ♦ Security fence on the left / right side as well as at the central division area
- ♦ Ambient conditions standard +5 up to +40°C
- ♦ Control of the machine with limit switches and PLC, safety with secure input / output in dual channel (double redundancy)
- ♦ Technical execution of the machine according to CE Conformity
- ♦ No foundation required
- ♦ Only one operator required

Production Capability													Long. Wire (Nos.)
Cages of 2500mm length per hour													
Cage Dia. (mm)	Spacing of Winding Wire (mm)												
	40	50	60	70	80	90	100	110	120	130	140	150	
330	10	11	13	15	16	17	18	19	20	21	21	22	9
600	9	10	12	14	15	16	17	18	18	19	20	21	9
900	6	7	8	9	10	11	11	12	13	13	14	14	9
1200	5	6	7	8	9	10	10	11	12	12	13	13	18
1500	4	5	5	6	7	7	8	9	9	9	10	10	18
1800	3	4	5	5	6	7	7	8	8	8	9	9	18
2000	3	4	5	5	6	7	7	8	8	8	9	9	18
2500	2	3	3	4	5	5	5	6	6	6	7	7	18



The values are theoretically calculated and may vary, depending on the quality of the wire, as well as on the qualification and speed of the machine operator!

- With Apollo's policy of constant upgradation of products, specifications are subject to change without prior notice.
- Accessories shown here are optional and not the part of standard supply.



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