

**TIG-welding head, high tension, 25 – 32 mm**



**Technical data for strapping head MH210/MH210L**

Strap qualities	Regular duty & High tensile steel strap 700-1100 N/mm <sup>2</sup> . Best suitable are blank or blued, light waxed straps. Painted straps can reduce seal strength and service life of the welding electrodes (tests are strongly recommended). Galvanized or zinc painted straps cannot be welded.	
Strap dimensions	width thickness	25.0 – 32.0 mm (1 – 1¼") 0.80 - 0.90 mm (0.031 - 0.035")
Strapping head type	Pneumatic	
Sealing method	Seal less joint, two TIG welding spots	
Seal strength	Up to 95 % (depending on the strap quality)	
Strap tension, adjustable	18 000 N / (4 050 lbf) / 12 000 N / (2 700 lbf)	
Feed/retract speed, adjustable	Max. 1,3 m/s (4.27 ft/s)	
Min. pack face for 25 mm strapping*	200 mm (7.87") Ø 800 mm (Ø 31.5")	
Min. pack face for 32 mm strapping*	220 mm (8,66") Ø 1000 mm (Ø 39.37")	
Tightening path	MH210: 140mm (5.5") resp. MH210L: 250 mm (9.84")	
Power, pneumatic	5,3 bar / 76.9 psi, consumption approx. 0,1 - 0,2 m <sup>3</sup> /seal	
Gas consumption / type**	Approx. 1,6 ltr./seal / Argon 4.6 – 99,996% – UN1006	
Power, electric	115 – 230V 1Ph 50/60 Hz / power control syst. 24V DC	
Power, consumption**	Approx. 2,5 Wh/seal	
Dimension MH210 (l x w x h)	777 x 417 x 812 mm (34.92 x 16.42 x 31.97")	
Dimension MH210L (l x w x h)	887 x 417 x 812 mm (34.92 x 16.42 x 31.97")	
Weight MH210 / MH210L	179 kg (395 lbs) / 188 kg (415 lbs)	

\* Min. pack face depends on many factors. For critical dimensions please get in touch with your FROMM dealer.

\*\* With 32 X 0.8mm strap and Cebora WIN TIG DC 220M welding source.

**Chart of types, strapping head MH210/MH210L**

Item No.	Model	Strap width	Strap thickness	Max. tensioning force
15.4303	MH210/25/0.8-0.9/12	25 mm 1"	0.80-0.90 mm 0.032-0.035"	12 000 N 2 700 lbf
15.4301	MH210/32/0.8-0.9/18	32 mm 1¼"	0.80-0.90 mm 0.032-0.035"	18 000 N 4 050 lbf
15.4403	MH210L/25/0.8-0.9/12	25 mm 1"	0.80-0.90 mm 0.032-0.035"	12 000 N 2 700 lbf
15.4401	MH210L/32/0.8-0.9/18	32 mm 1¼"	0.80-0.90 mm 0.032-0.035"	18 000 N 4 050 lbf

**Features**

- Adjustable, High Tension up to 18 000N (4 050 lbf)
- Pneumatically powered feeding & tensioning
- High seal efficiency up to 95 %
- Modular feeding and sealing system
- Linear strap tensioning system
- Both strap ends tensioned simultaneously
- Seal less strap joint with double WIG Spot Welding
- All welding components are commercially available parts
- Easy integration
- Four-point suspension for quick and easy head changes
- Smart accessible design for easy servicing
- Fast exchange of welding electrodes

**Perfect fit for**

- Horizontal and vertical stand-alone strapping machines or installation in integrated packaging lines
- Static or moving machines
- Top, horizontal or side seal positions
- HD strapping under demanding circumstances of flat, irregular and round products