



Material Safety Data Sheet



Section 1 Company and Product Identification

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Jubilee® O'Clip Mild Steel (W1) Range

| Jubilee Part Number | Band Width mm | Band Thickness mm | Recommended Max Pressure PSI |
|---------------------|------------------|----------------------|---------------------------------|
| OC0305MS | 3-5 | 5.0 | 200 |
| OC0507MS | 5-7 | 6.0 | 200 |
| OC0709MS | 7-9 | 6.0 | 200 |
| OC0911MS | 9-11 | 6.5 | 200 |
| OC1113MS | 11-13 | 6.5 | 200 |
| OC1315MS | 13-15 | 7.0 | 200 |
| OC1417MS | 14-17 | 7.0 | 200 |
| OC1518MS | 15-18 | 7.5 | 200 |
| OC1720MS | 17-20 | 7.5 | 200 |
| OC1821MS | 18-21 | 8.0 | 180 |
| OC2023MS | 20-23 | 8.0 | 180 |
| OC2225MS | 22-25 | 8.5 | 180 |
| OC2327MS | 23-27 | 8.5 | 180 |
| OC2528MS | 25-28 | 9.0 | 180 |
| OC2831MS | 28-31 | 9.0 | 180 |
| OC3134MS | 31-34 | 9.5 | 75 |
| OC3437MS | 34-37 | 9.5 | 75 |
| OC3740MS | 37-40 | 10.0 | 75 |
| OC4043MS | 40-43 | 10.0 | 75 |
| OC4346MS | 43-46 | 10.5 | 75 |

Section 2 Composition/Information on Ingredients

Composition/Information on constituents zinc coated iron alloy

| | |
|------------|----------|
| Carbon | < 0.12% |
| Silicon | < 0.3% |
| Manganese | < 1.66% |
| Phosphorus | < 0.02% |
| Sulphur | < 0.004% |
| Chromium | < 0.5% |
| Aluminium | > 0.02% |

Zinc coat, Coating weight < 500g/m²

Coating composition:

| | |
|-----------------|----------------|
| Zinc | > 99.6% by wt |
| Aluminium | < 0.4% by wt |
| Trace elements* | < 0.003% by wt |

*Sum of Pb and Cd

CRVI free plating

Section 3 First Aid Measures

| | |
|-------------|--|
| Inhalation: | There are no specific symptoms associated with steel in the product forms. |
| Skin: | There are no specific symptoms associated with steel in the product forms. |
| Eyes: | Not applicable. |
| Ingestion: | Not applicable. |

Section 4 Fire Fighting Measures

Non flammable

Section 5 Handling and Storage

Store in a dry area

Section 6 Physical and Chemical Properties

| | |
|-------------------|------------------------|
| Colour: | Metallic grey/silver |
| Smell: | None |
| Form/state: | Solid |
| Melting point: | 1425 °C - 1540 °C |
| Max service temp: | 426 °C |
| Min service temp: | -45 °C |
| Magnetism: | 1500-2000 μ |
| Resistance: | 17.2 μΩ |
| Density: | 7.83 g/cm ³ |

Section 7 Stability and Reactivity

| | |
|-----------------------|--|
| Stability: | Stable in normal condition |
| Reacts with: | Reacts with strong acids, and hydrogen is then one of the substances emitted. Welding/flame cutting may produce Zinc Oxide fumes. |
| Corrosion Resistance: | NSS (Neutral Salt Spray tests) 144hours |

Section 8 Toxicological Information

Not applicable to steel in the product forms.

Section 9 Ecological Information

No ecological effects are known for the product as a whole.

Section 10 Disposal Considerations

Disposal method: Recyclable, Jubilee® clips' Mild Steel O'Clip Range are made from key raw material for the production of new steel. Steel is the world's most recycled construction material and can be recycled with retained material properties.

Section 11 Transport Information

No special requirements are necessary in transporting these products.

Section 12 Regulatory Information

This product conforms to EU Regulation 1097/2006 (REACH)
This product is compliant with EU directive 2011/65/EU (ROHS2)
BS EN ISO 9001:2008 FM00547
BS EN ISO 14001:2004 EMS573195
BS OHSAS 18001:2007 OHS601983

Section 13 Other Information

The information above is believed to be accurate and represents the best information currently available to L. Robinson & Co Ltd. However, L. Robinson & Co Ltd make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall L. Robinson & Co Ltd be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if L. Robinson & Co Ltd has been advised of the possibility of such damages.

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