



## Material Safety Data Sheet



### Section 1 Company and Product Identification

L. Robinson & Company (Gillingham) Limited,  
Incorporating Jubilee® Clips Limited  
Owens Way, Gads Hill,  
Gillingham,  
Kent,  
ME7 2RS

Tel: +44 (0)1634 281200  
Fax: +44 (0)1634 280101

Email: [sales@jubileeclips.co.uk](mailto:sales@jubileeclips.co.uk)  
[http:// www.jubileeclips.co.uk](http://www.jubileeclips.co.uk)



Jubilee® P Clips Mild Steel Zinc Plated (W1) Range

Part Number	Diameter mm	Liner Width mm	Band Width mm	Band Thickness mm	Fastening
JPC005MS	5	15	12	0.8	M6
JPC006MS	6	15	12	0.8	M6
JPC008MS	8	15	12	0.8	M6
JPC009MS	9	15	12	0.8	M6
JPC010MS	10	15	12	0.8	M6
JPC012MS	12	15	12	0.8	M6
JPC013MS	13	15	12	0.8	M6
JPC014MS	14	15	12	0.8	M6
JPC015MS	15	15	12	0.8	M6
JPC016MS	16	15	12	0.8	M6
JPC017MS	17	15	12	0.8	M6
JPC018MS	18	15	12	0.8	M6
JPC019MS	19	15	12	0.8	M6
JPC020MS	20	15	12	0.8	M6
JPC021MS	21	15	12	0.8	M6
JPC022MS	22	15	12	0.8	M6
JPC025MS	25	15	12	0.8	M6
JPC027MS	27	15	12	0.8	M6
JPC028MS	28	15	12	0.8	M6
JPC029MS	29	15	12	0.8	M6
JPC030MS	30	15	12	0.8	M6
JPC032MS	32	15	12	0.8	M6
JPC035MS	35	15	12	0.8	M6
JPC040MS	40	15	12	0.8	M6
JPC044MS	44	15	12	0.8	M6
JPC048MS	48	15	12	0.8	M6
JPC052MS	52	15	12	0.8	M6

## Section 2 Composition/Information on Ingredients

Composition/Information on constituents zinc coated iron alloy

Carbon	< 0.18%
Silicon	< 0.5%
Manganese	< 1.2%
Phosphorus	< 0.12%
Sulphur	< 0.045%
Chromium	< 0.5%
Aluminium	> 0.02%

Zinc coat, Coating weight < 500g/m<sup>2</sup>, 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

Band:

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 <sup>3</sup>

## Section 6 Physical and Chemical Properties Continued

Liner EPDM (Ethylene Propylene Diene Monomer)

Max Service Temp:	120 °C
Min Service Temp:	-40 °C
Shore Hardness:	60 Shore
Tensile Strength:	7 N/mm <sup>2</sup>
Elongation at Break:	350%
Change in Hardness:	+5 Max
Change in Tensile:	-25% Max
Change in Elongation:	25%
Compression Set:	35% Max

## 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) 72 hours

## 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 P 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

Quality Assurance:



### **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.

**Document Issue Date: 25<sup>th</sup> July 2023**

**Revision Number: 14**