



# Material Safety Data Sheet



## Section 1 Company and Product Identification

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Jubilee® Superclamps Mild Steel (W1) Range, manufactured to DIN3017

Part No.	Adjustment mm	Band Width mm	Band Thickness mm	Recommended Torque Nm	Maximum Torque Nm	Screw Head mm
JSC019MS	17-19	18.0	0.6	4.5	6.0	8
JSC022MS	20-22	18.0	0.6	4.5	6.0	8
JSC025MS	23-25	18.0	0.6	4.5	6.0	8
JSC028MS	26-28	18.0	0.6	4.5	6.0	8
JSC031MS	29-31	18.0	0.6	4.5	6.0	8
JSC035MS	32-35	20.0	1.0	6.0	8.0	10
JSC039MS	36-39	20.0	1.0	6.0	8.0	10
JSC043MS	40-43	20.0	1.0	6.0	8.0	10
JSC047MS	44-47	20.0	1.0	6.0	8.0	10
JSC051MS	48-51	20.0	1.0	6.0	8.0	10
JSC055MS	52-55	20.0	1.0	6.0	8.0	10
JSC059MS	56-59	20.0	1.0	6.0	8.0	10
JSC063MS	60-63	20.0	1.0	6.0	8.0	10
JSC067MS	64-67	25.0	1.5	18.5	25.0	13
JSC073MS	68-73	25.0	1.5	18.5	25.0	13
JSC079MS	74-79	25.0	1.5	18.5	25.0	13
JSC085MS	80-85	25.0	1.5	18.5	25.0	13
JSC091MS	86-91	25.0	1.5	18.5	25.0	13
JSC097MS	92-97	25.0	1.5	18.5	25.0	13
JSC103MS	98-103	25.0	1.5	18.5	25.0	13
JSC112MS	104-112	25.0	1.5	18.5	25.0	13
JSC121MS	113-121	25.0	1.5	18.5	25.0	13
JSC130MS	122-130	25.0	1.5	18.5	25.0	13
JSC139MS	131-139	25.0	1.5	18.5	25.0	13
JSC148MS	140-148	25.0	1.5	18.5	25.0	13
JSC161MS	149-161	25.0	1.5	18.5	25.0	13
JSC174MS	162-174	25.0	1.5	18.5	25.0	13
JSC187MS	175-187	25.0	1.5	18.5	25.0	13
JSC200MS	188-200	25.0	1.5	18.5	25.0	13
JSC213MS	201-213	25.0	1.5	18.5	25.0	13
JSC226MS	214-226	25.0	1.5	18.5	25.0	13
JSC239MS	227-239	25.0	1.5	18.5	25.0	13
JSC255MS	240-255	25.0	1.5	18.5	25.0	13
JSC265MS	253-265	25.0	1.5	18.5	25.0	13

## 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/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

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 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) 240hours

## **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 Superclamp range are made from key raw material for the production of new stainless 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

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.

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