



# Material Safety Data Sheet



## Section 1 Company and Product Identification

L. Robinson & Company (Gillingham) Limited,  
 Incorporating Jubilee® Clips Limited  
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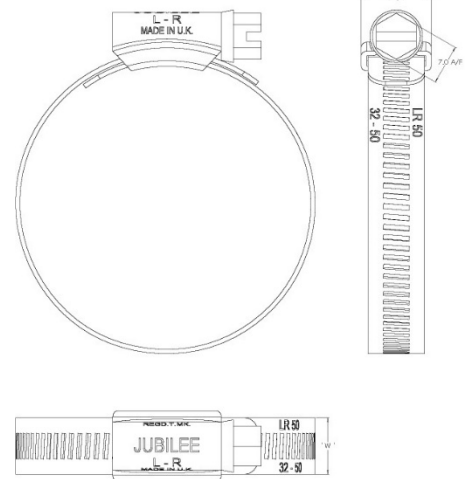
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Jubilee® Stainless Steel (W4) Light Range



Part Number	Adjustment		Band Width (W) mm	Band Thickness mm	γ' (max) mm	Recommended Torque Nm	Max Torque Nm	Recommended Max Pressure PSI
	mm	Inches						
000SS	9.5 - 12	3/8 - 1/2	9.3	0.7	12.5	3.4	4.5	203
M00SS	11 - 16	1/2 - 5/8	9.3	0.7	12.5	3.4	4.5	203
00SS	13 - 20	1/2 - 3/4	9.3	0.7	12.5	3.4	4.5	203
LR022SS	12 - 22	1/2 - 7/8	9.3	0.7	12.5	3.4	4.5	182
LR027SS	16 - 27	5/8 - 1	9.3	0.7	12.5	4.5	6.0	182
LR032SS	20 - 32	3/4 - 1 1/4	9.3	0.7	12.5	4.5	6.0	92
LR040SS	25 - 40	1 - 1 5/8	9.3	0.7	12.5	4.5	6.0	92
LR045SS	30 - 45	1 1/8 - 1 3/4	9.3	0.7	12.5	4.5	6.0	92
LR050SS	32 - 50	1 1/4 - 2	9.3	0.7	12.5	4.5	6.0	92
LR060SS	40 - 60	1 5/8 - 2 3/8	9.3	0.7	12.5	4.5	6.0	92
LR070SS	50 - 70	2 - 2 3/4	9.3	0.7	12.5	4.5	6.0	92
LR080SS	60 - 80	2 3/8 - 3 1/8	9.3	0.7	12.5	4.5	6.0	39
LR090SS	70 - 90	2 3/4 - 3 1/2	9.3	0.7	12.5	4.5	6.0	39
LR0100SS	80 - 100	3 1/8 - 4	9.3	0.7	12.5	4.5	6.0	39
LR0110SS	90 - 110	3 1/2 - 4 3/8	9.3	0.7	12.5	4.5	6.0	39
LR0120SS	100 - 120	4 - 4 3/4	9.3	0.7	12.5	4.5	6.0	39
LR0130SS	110 - 130	4 3/8 - 5 1/8	9.3	0.7	12.5	4.5	6.0	39
LR0140SS	120 - 140	4 3/4 - 5 1/2	9.3	0.7	12.5	4.5	6.0	39
LR0150SS	130 - 150	5 1/8 - 6	9.3	0.7	12.5	4.5	6.0	17
LR0160SS	140 - 160	5 1/2 - 6 1/4	9.3	0.7	12.5	4.5	6.0	17

## Section 2 Composition/Information on Ingredients

Composition/Information on constituents of iron alloy.

Manganese	< 11%
Chromium	< 30%
Nickel	< 38%
Mo	< 8 %

Other elements vary such as Si, Cu, Ti, in each alloy composition and are generally not classified as hazardous, or are below the concentration levels for classification of these alloys as hazardous, and are not subject to recognised exposure limits.

## 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
Odour:	None
Form/state:	Solid
Melting point:	1454 °C
Max service temp:	870 °C
Min service temp:	-196 °C
Magnetism:	1.008 μ
Resistance:	72 μΩ
Density:	8.03 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.
Corrosion Resistance:	NSS 1000hours

## Section 8 Toxicological Information

Nickel is classified as a skin sensitizer however numerous patch tests have established that most stainless steels do not cause sensitization, but a few types may result in allergic skin reactions in sensitized individuals after prolonged contact.

No carcinogenic effects resulting from exposure to stainless steels have been reported, either in epidemiological studies or in tests with animals.

## **Section 9 Ecological Information**

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

## **Section 10 Disposal Considerations**

Disposal method:           Recyclable, Jubilee® clips' 304 Stainless Steel Light 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, express 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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