

## Intex Suspension Rod

### 1. Identification

**Product Details:**

<b>Product Code:</b>	2R536
<b>Product Name:</b>	Intex Galvanised Suspension Rod 5mm
<b>Details:</b>	<p>Intex Group International (<i>intex</i>) is Quality Accredited to AS/NZS ISO 9001:2008 by SAI Global Assurance Services - License Number QEC0087. Intex also has an Environmental Management System compliant with AS/NZS ISO 14001:2004 - Certificate Number CEM20182. All products manufactured are tested for conformance to appropriate Product Standards in our NATA registered laboratories. Our laboratories operate in accordance to ISO/IEC 17025:2005. Our accreditation number is 821.</p> <p>Intex manufactures a wide range of galvanised &amp; zinc/aluminium-alloycoated wires for use in general manufacturing &amp; wire forming operations.</p>
<b>Manufacturer/ Supplier By:</b>	<p><b>Intex Group International</b> Pty Ltd (ACN 163012039) 115 McKellar Way Epping, Victoria, Australia 3076  <b>+61 3 9357 9299</b> (or 1300 107 108 within Australia)</p> <p><b>Intex New Zealand</b> Pty Ltd (NZCN 7388136) 13 Mahunga Drive, Mangere Bridge, Auckland 2022, New Zealand  <b>+64 6 377 7255</b> (or 0800 278 276 within New Zealand)</p> <p><b>13 11 26</b> (AU Poisons Info Centre)  <b>0800 764 766</b> (NZ Poisons Info Centre)</p>

### 2. Physical Properties

**Coating Specifications:**

	All wire coatings are compliant with AS/NZS 4534:2006 "Zinc and zinc/aluminium-alloy Coatings on Steel Wire". Galvanised wire for general manufacturing is available with standard galvanised (SG -W02Z) coating or heavy galvanised (HG -W10Z) coating. Zinc/aluminium-alloy coatings are available in W05ZA & W10ZA class.		
Nominal Wire Diameter	Minimum Coating Mass (g/m <sup>2</sup> )		
	SG-W02Z	Zn/Al - W05ZA	HG-W10Z
≥ 0.85 ≥ 0.95	25	80	140
> 0.95 ≥ 1.06	25	85	150
> 1.06 ≥ 1.18	25	90	160
> 1.18 ≥ 1.32	30	95	170
> 1.32 ≥ 1.55	30	100	185
> 1.55 ≥ 1.80	35	110	200
> 1.80 ≥ 2.24	35	120	215
> 2.24 ≥ 2.72	40	125	230
> 2.72 ≥ 3.15	45	130	240
> 3.15 ≥ 3.55	50	135	250
> 3.55 ≥ 4.25	60	140	260
> 4.25 ≥ 5.00	70	150	275
> 5.00 ≥ 8.00	80	160	290
> 8.00	80	170	305

Note: once printed this becomes a non-controlled document

### 3. Diameter Tolerance

#### Standard Galvanised:

Diameter tolerance is dependent on the wire diameter & the type of coating. The tables below show indicative tolerances for a range of wire types.

Nominal Wire Diameter	Tolerance (mm)
≥ 0.80 ≥ 1.80	± 0.04
> 1.80 ≥ 2.50	± 0.06
> 2.50 ≥ 4.00	± 0.07
> 4.00 ≥ 6.00	± 0.08
> 6.00 ≥ 10.00	± 0.10

#### Heavily Galvanised & Zinc/Aluminium:

Nominal Wire Diameter	Tolerance (mm)
≥ 0.80 ≥ 1.60	± 0.05
> 1.60 ≥ 2.50	± 0.07
> 2.50 ≥ 4.00	± 0.08
> 4.00 ≥ 5.00	± 0.10
> 5.00 ≥ 10.68	± 0.15

### 4. Tensile Strength

Intex manufactures three "standard" tensile grades for galvanised manufacturing wire. Other, high tensile grades are available on request.

Tensile Grade	Tensile Strength (MPa)
Soft	380/550
Medium	500/625
Hard	625/850

### 5. Steel Chemistry

Intex uses a combination of steel grades & heat treatment processes to manufacture soft, medium & hard tensile grades. The table below is indicative only of steel chemistries used.

Tensile Grade	% Carbon	% Phosphorus	% Manganese	% Silicon	% Sulphur
Phosphorus	0.05 max	0.03 max	0.50 max	0.12-0.18	0.03 max
Manganese	0.13-0.20	0.03 max	0.63-0.85	0.14-0.30	0.03 max
Hard	0.04-0.10	0.03 max	0.25-0.50	0.10-0.22	0.03 max

### 6. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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