

## FEATURES

- Threaded eye bolt made of carbon steel
- Zinc plated - offers excellent corrosion resistance
- Available in different sizes and lengths

## RS PRO Carbon Steel Anchor Bolt M6, fixing hole diameter 6mm, length 75mm

RS Stock No.: 908-6788



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

RS PRO range of forged eye bolts which can be used with shield anchors, drop in anchors, internal threaded sockets or any other fastening jobs that require a threaded eye or hook. These fixings are suitable for use in concrete, bricks and most natural stone.

Options include the following bolts:

Eye bolts:

**9086788** - M6 x 75 mm

[9086781](#) - M8 x 67 mm

[9086785](#) - M10 x 108 mm

[9086794](#) - M12 x 132 mm

## General Specifications

<b>Thread Size</b>	M6
<b>Type</b>	Forged Eye Bolt
<b>Material</b>	Carbon Steel
<b>Application</b>	Outdoor seating; Handrails; Barriers; Warehouse racking; Facade systems; Horticulture, Displays, General home DIY and Commercial applications
<b>Grade</b>	316 A4
<b>Standard Colour</b>	Zinc
<b>Finish</b>	Zinc Plated min 5µm

## Mechanical Specifications

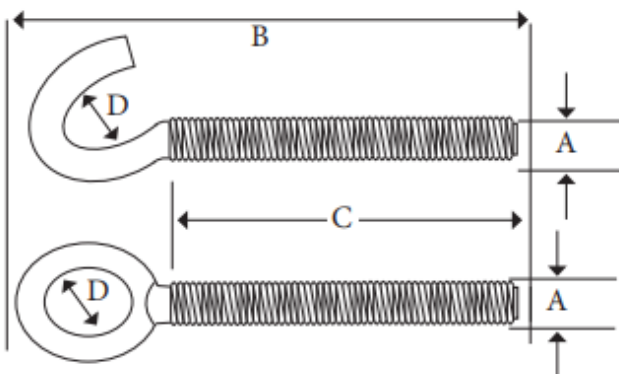
<b>Length</b>	75mm
<b>Fixing Hole Diameter</b>	6mm
<b>Maximum Fixing Thickness</b>	15mm
<b>Eye Inside Diameter</b>	10mm
<b>Hook Inside Diameter</b>	8; 12; 16mm
<b>Internal Thread Length</b>	13mm
<b>Minimum Hole Depth</b>	85mm
<b>Thread Length</b>	50mm
<b>Thread Diameter</b>	6mm
<b>Anchor Length</b>	80mm
<b>Maximum Fixture Thickness</b>	10mm
<b>Fixture Clearance Hole</b>	14mm
<b>Embed Depth</b>	75mm
<b>Structure Thickness</b>	150mm
<b>Installation Torque</b>	100Nm
<b>Maximum Load</b>	140kg
<b>Edge Clearance</b>	50mm
<b>Centre-to-Centre Distance</b>	100mm
<b>Nominal Tensile Strength</b>	880N/mm <sup>2</sup>
<b>Yield Strength</b>	755N/mm <sup>2</sup>
<b>Stressed Cross-Section</b>	39.6mm <sup>2</sup>
<b>Moment Of Resistance</b>	35 <sup>3</sup>
<b>Characteristics Bending Resistance</b>	37Nm

## Operation Environment Specifications

<b>Minimum Temperature Resistance</b>	-40°C
<b>Maximum Temperature Resistance</b>	80°C

## Approvals

<b>Compliance/Certifications</b>	CE / UR / cUR
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Part Number	Thread Diam	Overall Length	Thread Length	Hook/ Eye Diameter	Maximum Load
	A	B	C	D	
	mm	mm	mm	mm	kg
9086763	6	77.0	50.0	8.0	77.0
9086772	8	98.0	60.0	10.0	160.0
9086775	10	116.0	73.0	12.0	250.0
9086779	12	146.0	90.0	16.0	386.0
9086788	6	75.0	50.0	10.0	140.0
9086781	8	67.0	60.0	11.0	260.0
9086785	10	108.0	73.0	14.0	420.0
9086794	12	132.0	90.0	16.0	610.0