

## Features

- **Dimensions:** 24in x 3/4in x 1/8in
- **Material:** HE30TF Aluminium
- **Alloy Grade:** 6082 T6
- **Hardness:** 95 HB
- **Tensile Strength:** 310 MPa
- **Corrosion Resistance:** Good
- **Weldability:** Good
- **Thermal Conductivity:** 180 W/mK
- **Density:** 2.7 g/cm<sup>3</sup>
- **Compliance:** BS 1474 HE9 TF (1987); BS EN 754-5-606-3T6; RoHS Compliant

## RS PRO HE30TF Aluminium Metal Flat Bar 3/4in W x 1/8in H x 24in L

RS Stock No.: 681097



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

*Elevate your projects with the RS PRO HE30TF Aluminium Metal Flat Bar, an engineering solution crafted for demanding applications. This premium aluminium flat bar, measuring 24 inches in length, 3/4 inches in width, and 1/8 inch in height, is designed for high-stress environments where quality and reliability are paramount.*

### Key Features

- *Part of the RS Professionally Approved Products, this flat bar ensures you receive parts that meet rigorous standards without the premium price. Comparable to leading brands, it offers exceptional value.*
- *Constructed from HE30TF Aluminium, known for its medium strength and excellent corrosion resistance. The 6082 T6 alloy grade further enhances its suitability for various applications, including bridges, cranes, and transport structures.*
- *With a hardness of 95 HB and a tensile strength of 310 MPa, this flat bar is ideal for highly stressed applications. Its robustness makes it a staple in infrastructure development.*
- *The superior corrosion-resistant properties make it perfect for use in environments exposed to moisture or chemicals.*
- *Easily weldable, this flat bar can be seamlessly integrated into diverse construction and manufacturing processes.*
- *Boasting a thermal conductivity of 180 W/mK and a density of 2.7 g/cm<sup>3</sup>, this aluminium flat bar is engineered to perform under heat stress, making it indispensable for thermal management in electronic applications.*

### Applications

*Ideal for use in:*

- *Bridges*
- *Cranes*
- *Transport Applications*
- *Trusses*
- *Any highly stressed construction or mechanical frameworks*

### Certifications and Compliance

- *Complies with BS 1474 HE9 TF (1987)*
- *Certified to BS EN 754-5-606-3T6 standards*
- *RoHS Compliant, ensuring safe and eco-friendly use*

General Specifications

Material	HE30TF Aluminium
Form	Flat Bar
Application	Bridges, Cranes, Highly Stressed Applications, Transport Applications, Trusses
Grade	6082 T6
Corrosion Resistance	Good
Finish	Mill Finish
Weldability	Good

Mechanical Specifications

Length	24in
Width	3/4in
Height	1/8in
Tensile Strength	310 MPa
Hardness	95 HB
Thermal Conductivity	180 W/mK
Density	2.7 g/cm <sup>3</sup>

Approvals

Compliance/Certifications	BS 1474 HE9 TF (1987); BS EN 754- 5-606-3T6; RoHS Compliant
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Similar Products

RS Code	Form	Length	Width	Height
559183	Flat Bar	24in	3in	1/4in
681097	Flat Bar	24in	3/4in	1/8in
1243636	Flat Bar	1m	50mm	6mm
4466779	Flat Bar	24in	3in	1 1/4in
4466785	Flat Bar	12in	3in	2 1/2in
4466791	Flat Bar	24in	4in	1/4in
4466808	Flat Bar	12in	4in	2in