

Datasheet

RS Pro HE30TF Aluminium Channel 1000mm x 2in x 2in x 1/4in

RS Stock No: **446-6713**



Product Details

RS Pro HE30TF aluminium channel measures 1000 mm x 2 Inch x 1/4 Inch. The HE9TF grade aluminium offers very good strength and corrosion resistance. It meets BS1474 HE9TF, HE30TF and BSEN 754-5-1966-6063-T6 standards.

Features and Benefits

- 1000 mm long
- 2 Inch wide
- Corrosion-resistant



ENGLISH

Specifications:

Form	Channel
Height	2 in
Length	1000 mm
Material Grade	HE30TF Aluminium
Thickness	1/4 in
Width	2 in
Standards Met	RoHS Compliant; BS 1474 HE9 TF; HE30 TF BS EN 754-5-1966-6063-T6

4.2 Flatness

4.2.1 Flatness tolerances for strip are not specified.

4.2.2 Flatness tolerances for sheet and plate are specified in Table 5 and are expressed as a percentage of the length *L* and/or the width *W* and/or the measured chord length *l*.

Deviation from flatness, *d*, resulting from arching, buckling or edge waves, is measured as shown in Figures 2 to 5, using a lightweight straightedge and a feeler gauge, dial gauge or scale, while the sheet or plate is resting on an horizontal base plate concave side upwards.

These tolerances do not apply to sheet and plate supplied in the O (annealed) or F (as fabricated) tempers.

These tolerances do not include end or corner turnup.

4.3 Squareness

4.3.1 Squareness tolerances for strip are not specified.

4.3.2 Squareness tolerances for sheet and plate are specified in Table 6.

The squareness tolerance is expressed as the maximum allowable difference in length of diagonals AA and BB as shown in Figure 6.

Table 1 - Tolerances on thickness

Dimensions in millimetres

Specified thickness		Tolerance on thickness for specified width				
Over	Up to and including	Up to and including 1 250	Over 1 250 up to and including 1 600	Over 1 600 up to and including 2 000	Over 2 000 up to and including 2 500	Over 2 500 up to and including 3 500
≥ 2,5	4	± 0,28	± 0,28	± 0,32	± 0,35	± 0,40
4	5	± 0,30	± 0,30	± 0,35	± 0,40	± 0,45
5	6	± 0,32	± 0,32	± 0,40	± 0,45	± 0,50
6	8	± 0,35	± 0,40	± 0,40	± 0,50	± 0,55
8	10	± 0,45	± 0,50	± 0,50	± 0,55	± 0,60
10	15	± 0,50	± 0,60	± 0,65	± 0,65	± 0,80
15	20	± 0,60	± 0,70	± 0,75	± 0,80	± 0,90
20	30	± 0,65	± 0,75	± 0,85	± 0,90	± 1,0
30	40	± 0,75	± 0,85	± 1,0	± 1,1	± 1,2
40	50	± 0,90	± 1,0	± 1,1	± 1,2	± 1,5
50	60	± 1,1	± 1,2	± 1,4	± 1,5	± 1,7
60	80	± 1,4	± 1,5	± 1,7	± 1,9	± 2,0
80	100	± 1,7	± 1,8	± 1,9	± 2,1	± 2,2
100	150	± 2,1	± 2,2	± 2,5	± 2,6	-
150	220	± 2,5	± 2,6	± 2,9	± 3,0	-
220	350	± 2,8	± 2,9	± 3,2	± 3,3	-
350	400	± 3,5	± 3,7	± 3,9	± 4,2	-

Values for cold-compressed plate are subject to agreement between manufacturer and purchaser.