

Desktop Poly-slide (2) Steel Bars & Sections Weight Calculator - imperial

These instructions are courtesy of David Riches and were originally published in *UKSRC Gazette Issue 21, 2021*

This slide rule can be used to calculate the weights of round and square bars, flats and angles. The scales from top to bottom, left to right are: weight lbs per foot; rounds & squares inch; ditto mm; flats width; angles and tees height; flats thickness; angle and tees thickness; length feet; number of bars; cwts tons; lbs.

The first operation is to find the weight per foot. It will be noted that the upper cursor has three hairlines. For flats set the thickness on the upper slide against the width and read the weight per foot using the centre hairline. For square bars set the left hand hairline against the thickness and for round bars set the right hand hairline against the diameter and again read the weight per foot using the centre hairline. For tees and angles the procedure is the same as for flats.

Now with the upper slide in its end position (i.e. showing the weight per foot) moving the lower slide set the number of bars against the length in feet on the upper slide. Read the weight in tons using the centre cursor on the lower slide or the weight in lbs using the end cursor on the lower slide.