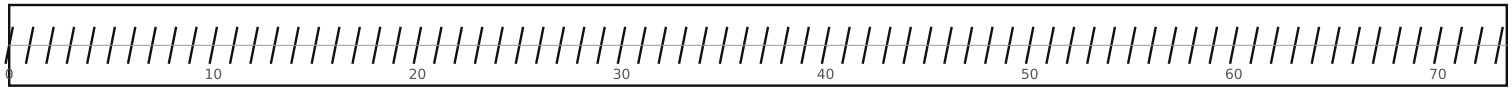
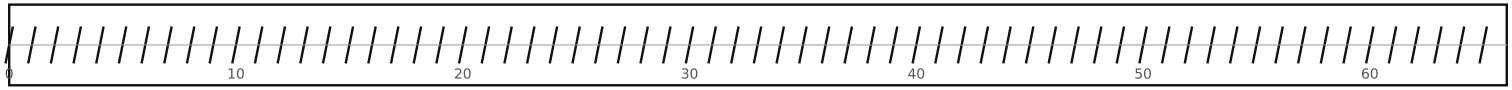
Stitch Spacing Rulers

True size. Each slanted mark is a hole centre; numbers count holes.

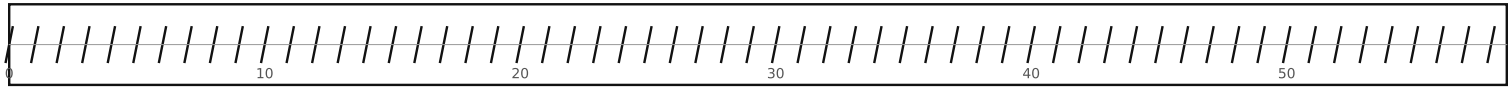
2.7 mm (about 9.4 spi)



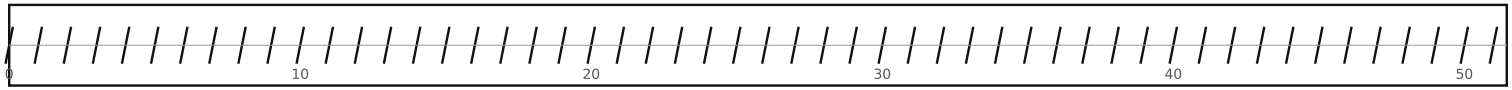
3.0 mm (about 8.5 spi)



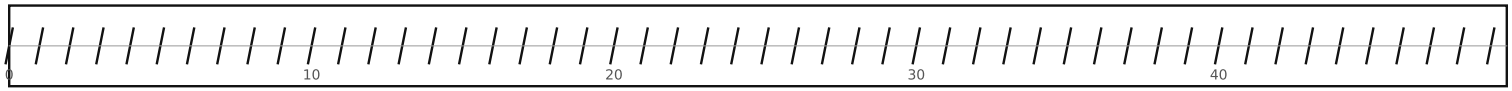
3.38 mm (about 7.5 spi)



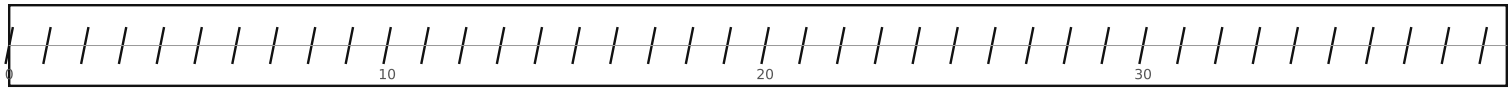
3.85 mm (about 6.6 spi)

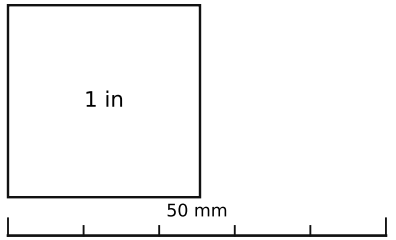


4.0 mm (about 6.4 spi)



5.0 mm (about 5.1 spi)





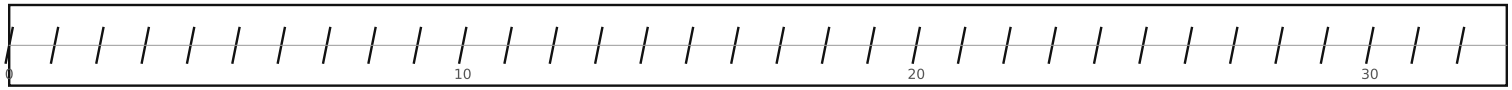
SCALE CHECK: the square must measure 1 in and the bar 50 mm. If not, reprint at 'Actual size'.

Check the scale square (top right) before use. Cut along the box, lay the ruler on the stitch line and prick each mark with an awl or the first tine of an iron. Mark count over 10 holes: measure from 0 to 10 and divide by 10 to confirm the pitch printed true.

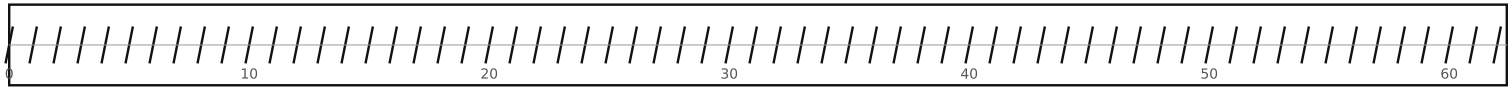
Stitch Spacing Rulers

True size. Each slanted mark is a hole centre; numbers count holes.

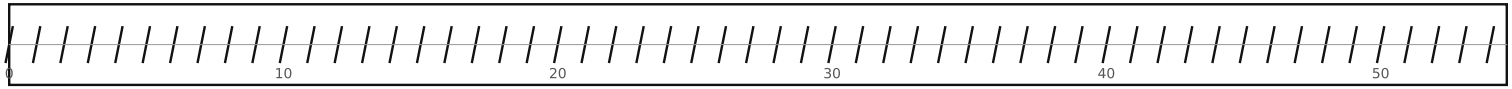
6.0 mm (about 4.2 spi)



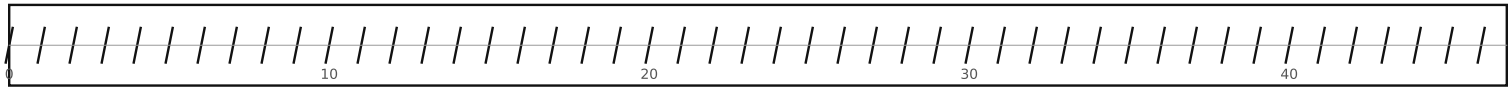
8 spi (3.18 mm)



7 spi (3.63 mm)

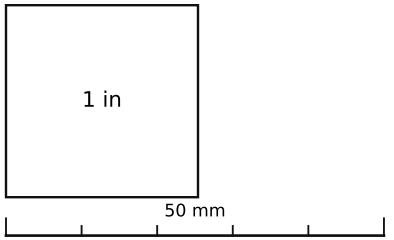


6 spi (4.23 mm)



5 spi (5.08 mm)





SCALE CHECK: the square must measure 1 in and the bar 50 mm. If not, reprint at 'Actual size'.

Check the scale square (top right) before use. Cut along the box, lay the ruler on the stitch line and prick each mark with an awl or the first tine of an iron. Mark count over 10 holes: measure from 0 to 10 and divide by 10 to confirm the pitch printed true.

Landing a Hole on Every Corner

Holes per straight run, and the adjusted spacing that makes both ends land on a corner

Measure the stitch line between two corner holes (centre to centre). Divide by your pitch and round to the nearest whole number: that is the number of gaps. The edge length divided by that number is the spacing that lands exactly on both corners. The change is usually a few hundredths to about a tenth of a millimetre per hole.

Run mm	3.0 mm iron	3.38 mm iron	3.85 mm iron	4.0 mm iron	5.0 mm iron
25	8 gaps @ 3.12	7 gaps @ 3.57	6 gaps @ 4.17	6 gaps @ 4.17	5 gaps @ 5.00
40	13 gaps @ 3.08	12 gaps @ 3.33	10 gaps @ 4.00	10 gaps @ 4.00	8 gaps @ 5.00
50	17 gaps @ 2.94	15 gaps @ 3.33	13 gaps @ 3.85	12 gaps @ 4.17	10 gaps @ 5.00
60	20 gaps @ 3.00	18 gaps @ 3.33	16 gaps @ 3.75	15 gaps @ 4.00	12 gaps @ 5.00
75	25 gaps @ 3.00	22 gaps @ 3.41	19 gaps @ 3.95	19 gaps @ 3.95	15 gaps @ 5.00
90	30 gaps @ 3.00	27 gaps @ 3.33	23 gaps @ 3.91	22 gaps @ 4.09	18 gaps @ 5.00
100	33 gaps @ 3.03	30 gaps @ 3.33	26 gaps @ 3.85	25 gaps @ 4.00	20 gaps @ 5.00
125	42 gaps @ 2.98	37 gaps @ 3.38	32 gaps @ 3.91	31 gaps @ 4.03	25 gaps @ 5.00
150	50 gaps @ 3.00	44 gaps @ 3.41	39 gaps @ 3.85	38 gaps @ 3.95	30 gaps @ 5.00
175	58 gaps @ 3.02	52 gaps @ 3.37	45 gaps @ 3.89	44 gaps @ 3.98	35 gaps @ 5.00
200	67 gaps @ 2.99	59 gaps @ 3.39	52 gaps @ 3.85	50 gaps @ 4.00	40 gaps @ 5.00
250	83 gaps @ 3.01	74 gaps @ 3.38	65 gaps @ 3.85	62 gaps @ 4.03	50 gaps @ 5.00
300	100 gaps @ 3.00	89 gaps @ 3.37	78 gaps @ 3.85	75 gaps @ 4.00	60 gaps @ 5.00

WORK IT ON THE BENCH

- Weaver Leather Supply: around corners, set the first tine of a 2-tine chisel in the last hole, mark the next, then punch it with a single tine.
- Walk the iron down the line dry first (prongs in the last marks) to see where the last hole falls before punching anything.
- Spread any odd spacing over several holes away from the corner people look at, rather than one short gap.
- Stitch line distance: Weaver sets the groover to 1/8 in (3.2 mm); its groover guide gives 1/8 to 3/16 in for most projects.