

Disclosed are a method and a corresponding continuous casting machine (1) for continuously rolling a metal bar, particularly a steel bar, which is produced at a casting speed and the cross section of which is configured as a thin slab. Said metal bar is bent, dressed, and cut to length as required during cooling and is fed into a first roll stand for rolling once the temperature has been equalized. Optionally the metal bar can still be fed by modifying the casting machine by supporting (3) a vertically cast continuous slab (2) having a guide length that is adjusted to the casting rate. One or several segments of said continuous slab (2) is/are then dressed by bending and straightening, whereupon the continuous slab (2) is guided by a sling (11), which is supported from below, into a straightening driver (6) that is positioned at a distance approximately equivalent to the length of the sling before being cut to length (7).