

Steel World stands apart from the Meccano clones mainly due to its size. Although the fully built models look to be similar in size to Meccano they are in fact much smaller and more intricate. With my fat fingers, and less than perfect eyesight, I struggle to build SW models but I do love the challenge. Of course my loyalties remain with Meccano as it was my childhood hobby and remains so to this day but Steel World isn't the same. It's a different system. So why is the hole spacing 7.8mm? It's the Golden Ratio. (Google it.) Steel World designers wanted something smaller but still with the same ratio as Meccano and so the Golden Ratio was applied. Frank Hornby probably chose 1/2" spacing because an inch was the standard UK measurement. Chinese metric copies probably chose 10mm because it was close enough to 1/2" but Steel World sizing is quite deliberately based on the golden ratio.

1) 1/2 inch ×  $0.618 \approx 7.8$ mm

2.6mm x 3=7.8

M2.5

Steel World is not compatible with Meccano so don't buy it expecting to supplement your existing Meccano. It's a different experience altogether requiring a sharp eye and a steady hand. The quality is excellent and the radio controlled outfits are very easy to use as in my Meccano version of Wall-E. Currently you can only buy SW from Amazon USA and don't search for Wall-E as it's a trademark. Use the link below instead.

The SW manuals are clear and have some innovative features such as showing where to position bolts in a slotted hole.

Another difference is the use of stainless steel for the strips. No more zinc rot! They seem to be a bit harder and more rigid than Meccano strips although I haven't tried bending them yet. The bolts are most definitely harder as I found out when I tried to cut one to length with a hacksaw. SW specifies the bolts are made from 45# steel.

M2.5

5/32" BSW

hex head in the bolts also

rounding off. This was

remedied by changing to

Torx head bolts. Some of

the older SW outfits may

still have the hex key and

like the tank have the new

hex bolts but SW tell me

that all the new outfits

Torx bolts.

