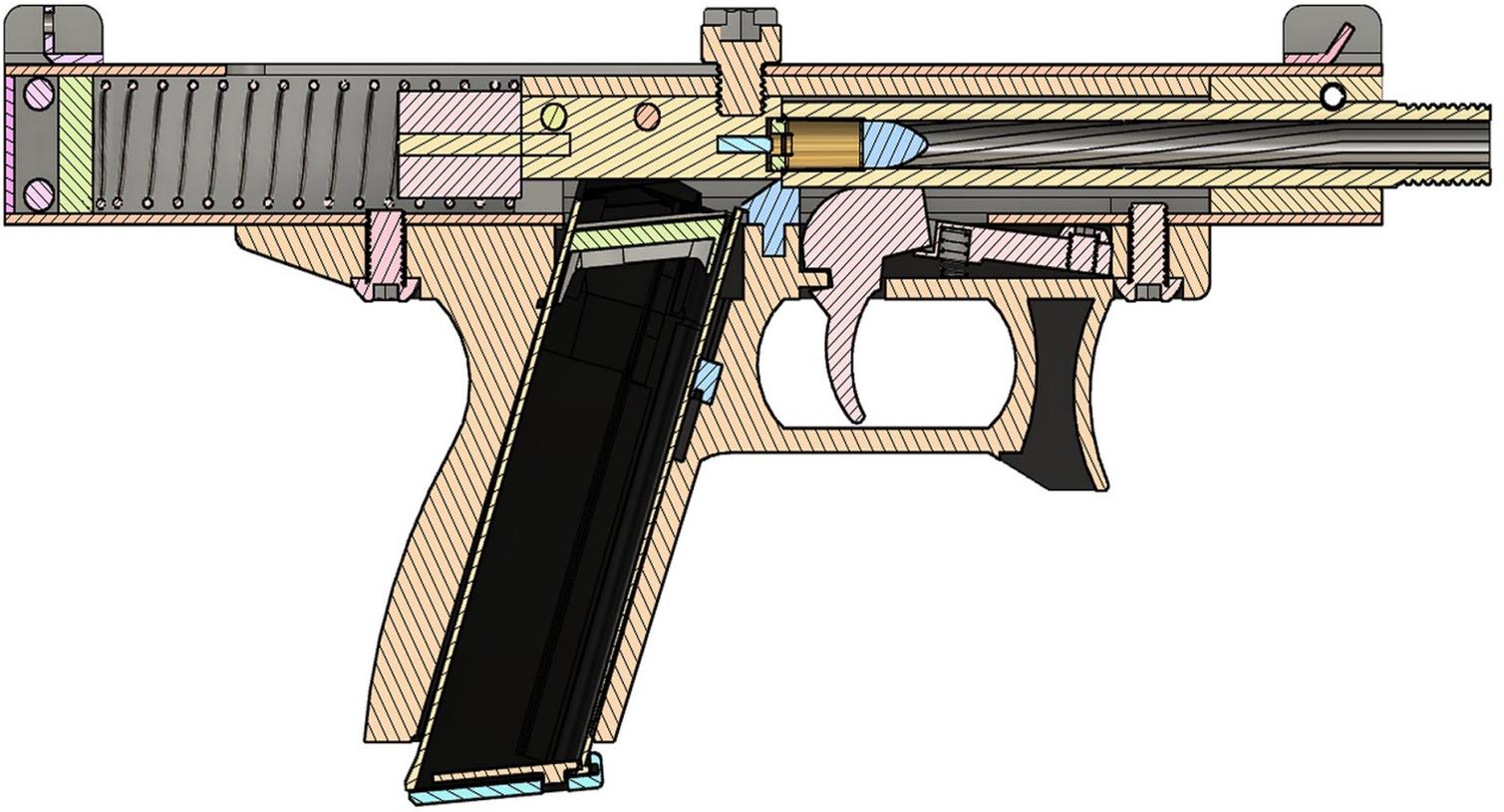


CHEETAH-9



Assembly and components



Feed ramp

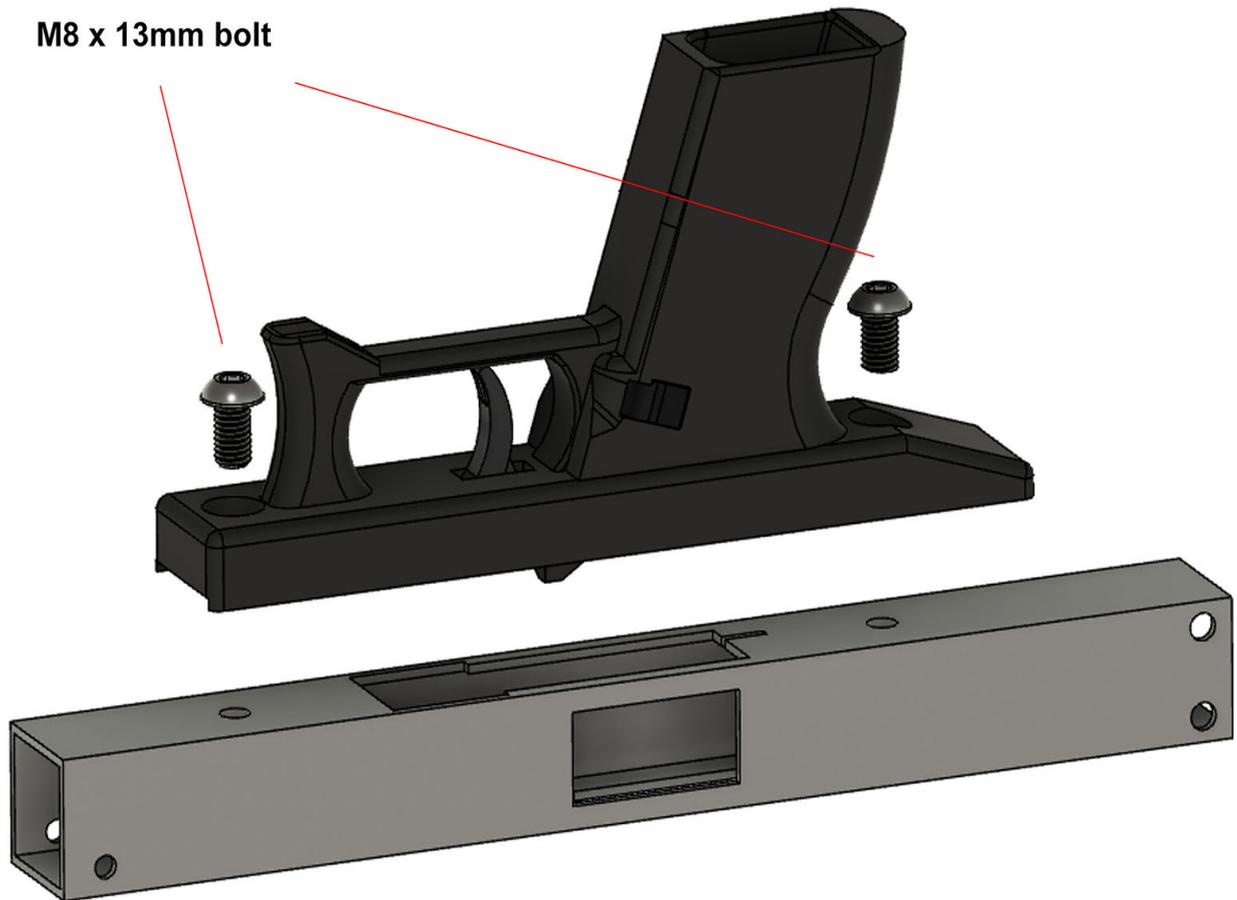
Retain using JB Weld or similar



Magazine catch spring: 21 gauge music wire, 42mm long



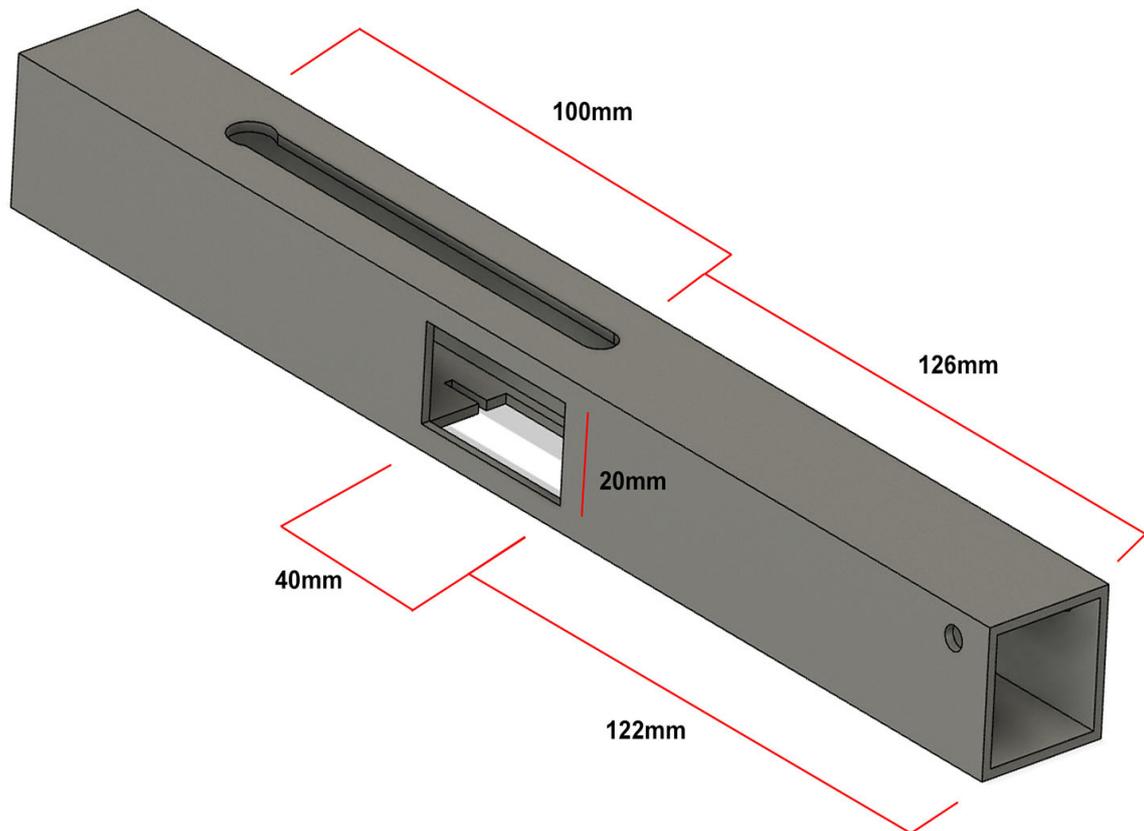
Assembly of upper and lower

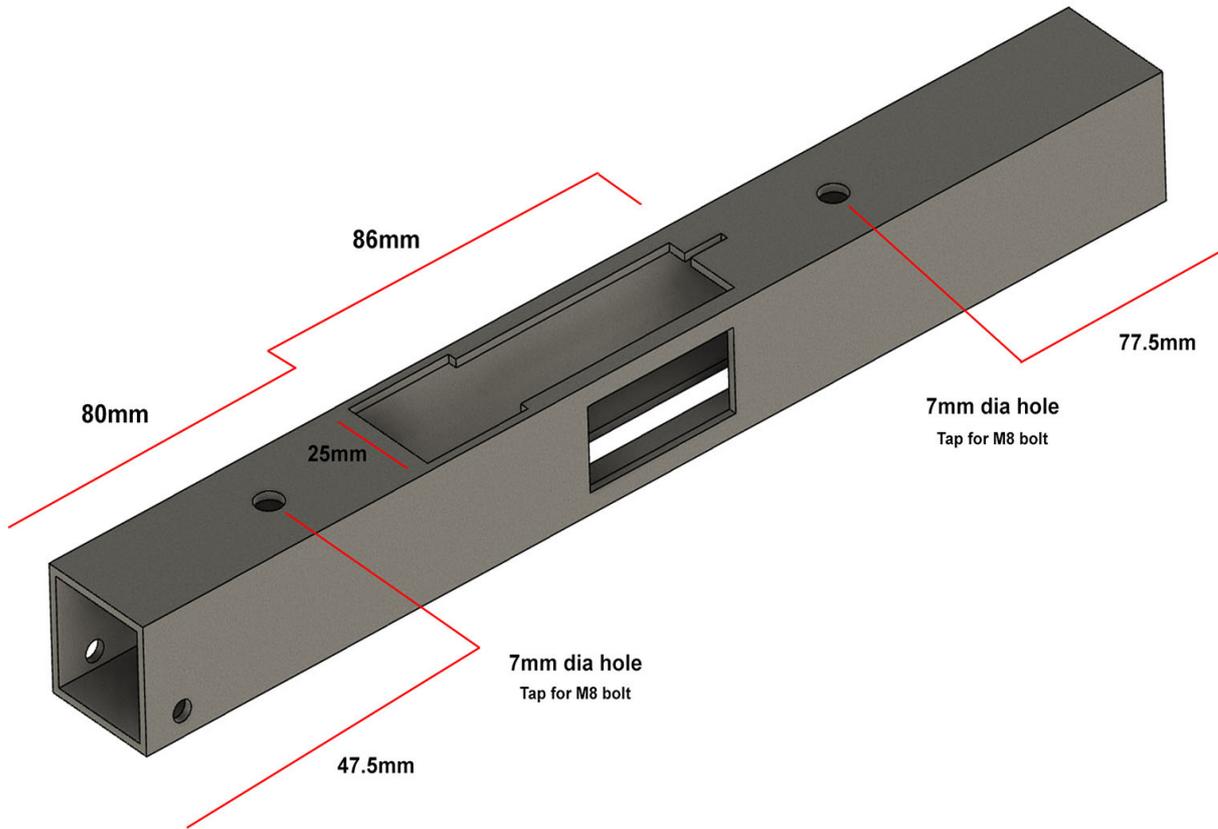


For the purposes of ease of construction each take-down bolt is threaded directly into the upper receiver tube. Upon final assembly loctite should be applied. Alternatively two M8 nuts can be welded to the receiver and the lower receiver body drilled using a 13mm bit to accommodate each.

Upper receiver

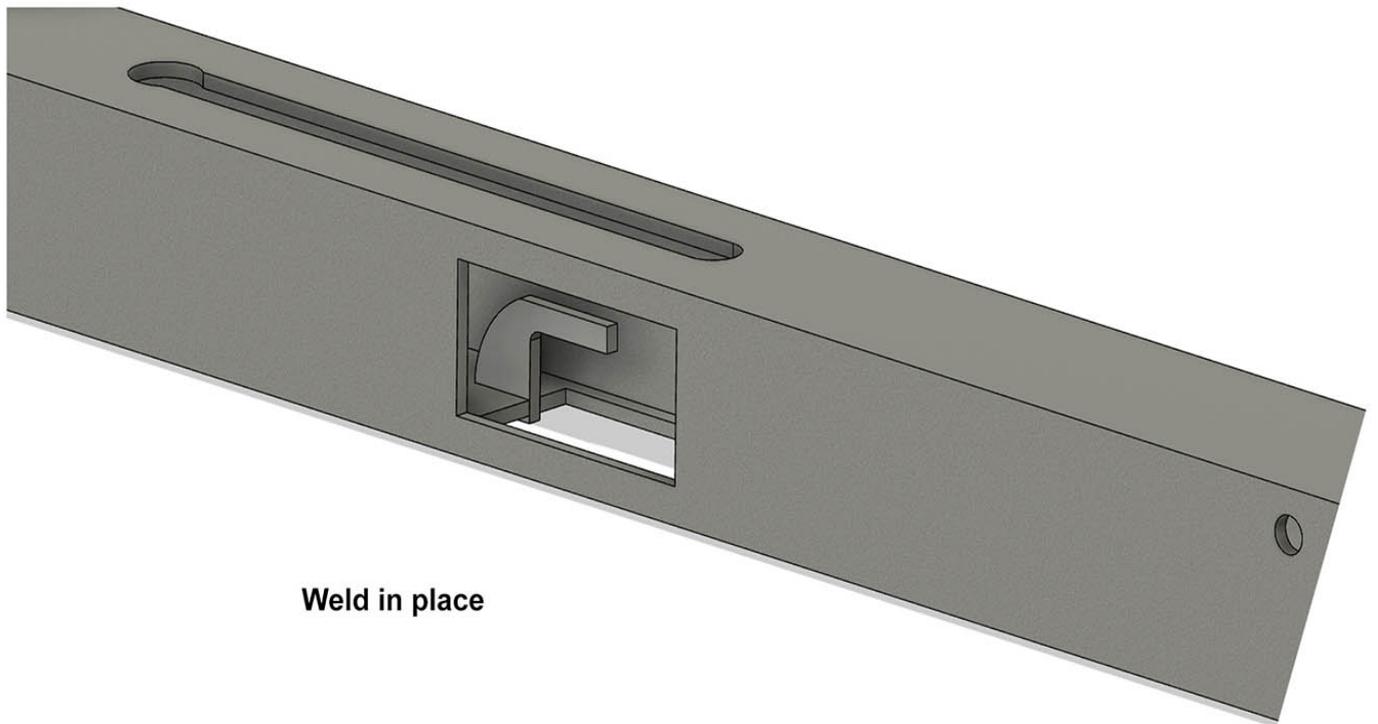
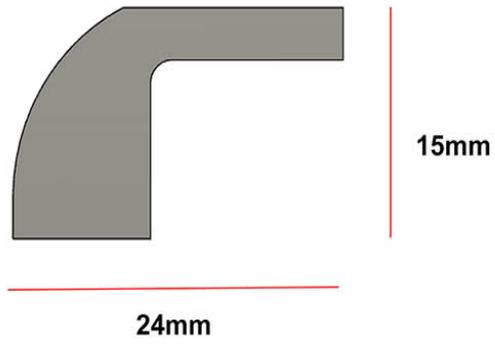
30mm x 30mm x 2mm Mild Steel Box Section Tube
280mm long





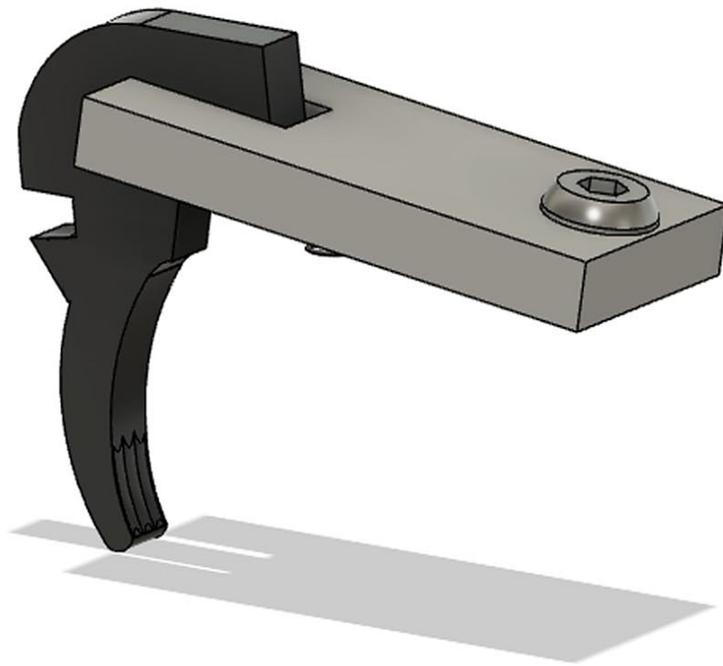
Ejector

2mm thick steel plate



Weld in place

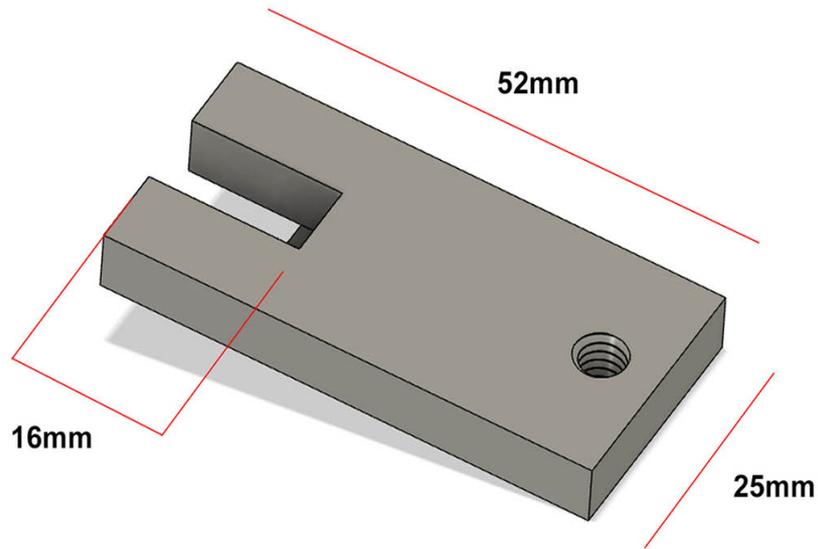
Trigger mechanism



(File down top of bolt head until sear is able to pivot)

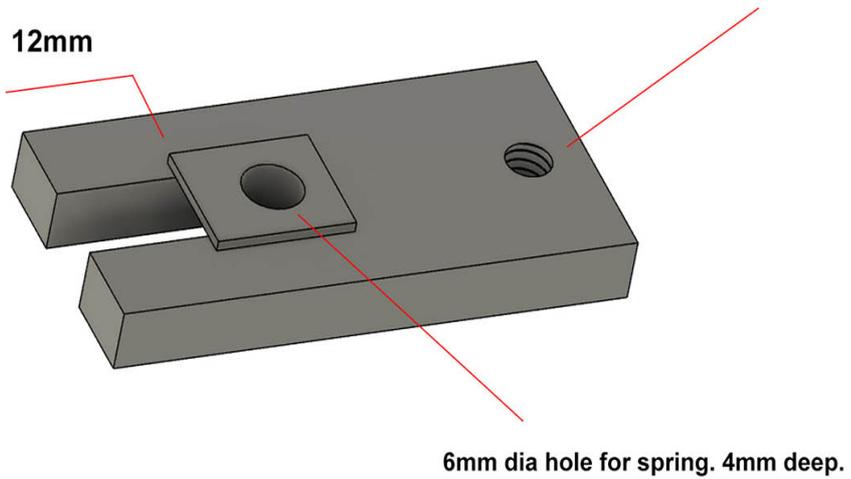
Sear

6mm thick steel plate



2mm steel plate. Weld in place.

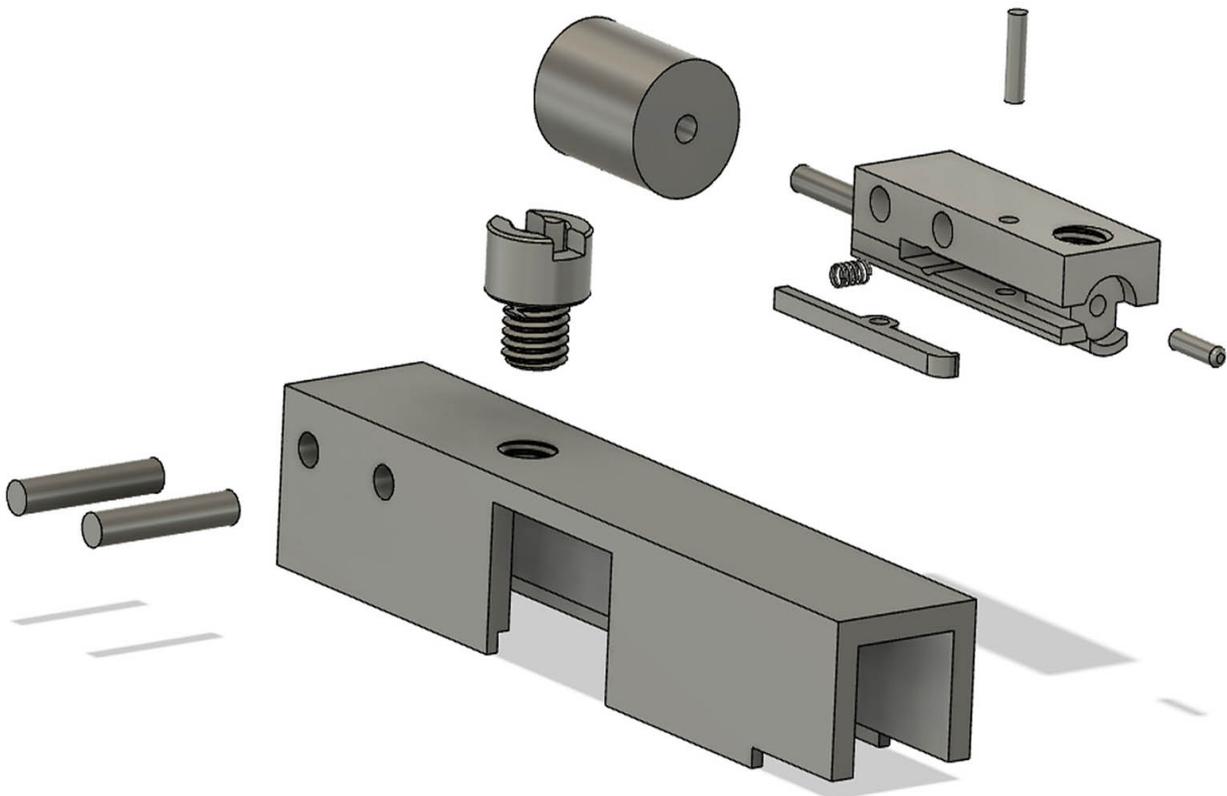
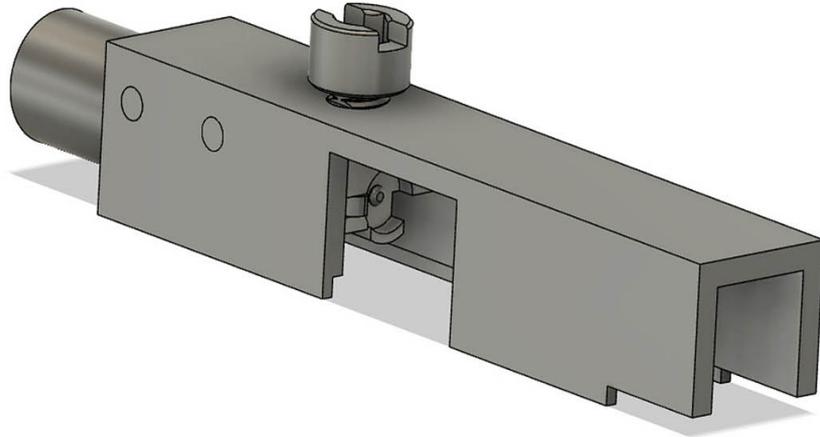
5mm dia hole. Tap for M6 x 6mm Allen head bolt



Trigger mechanism inserted into lower



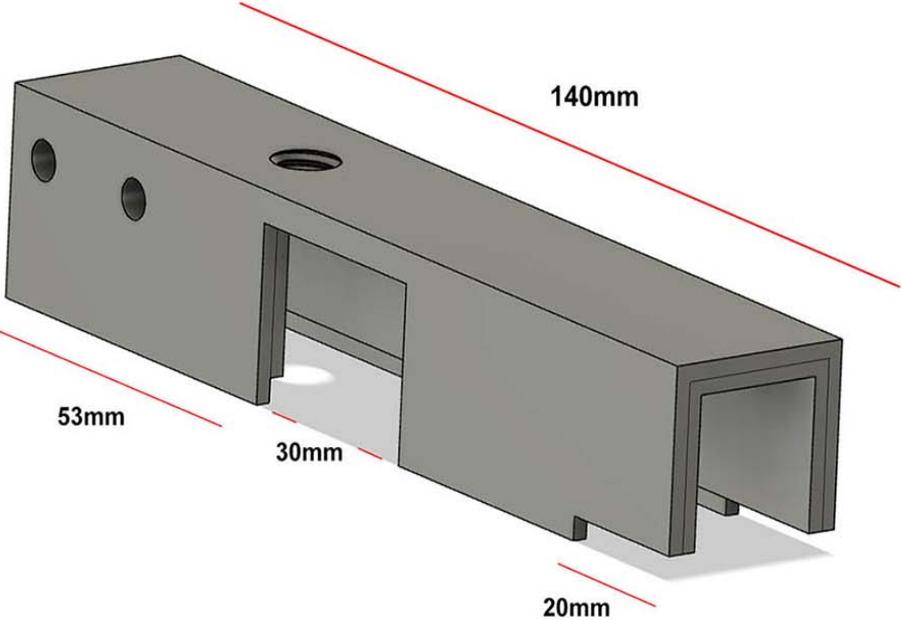
Bolt assembly



Bolt (carrier section)

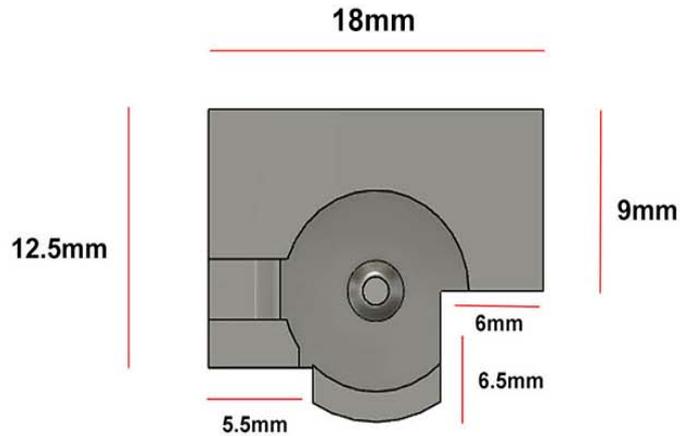
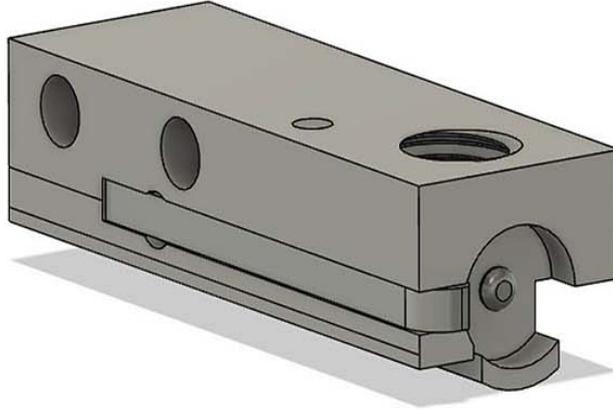
Sleeve two sections of square tube together

25mm x 25mm x 2.5mm
20mm x 20mm x 2mm



Breech insert

20mm square steel bar, 53mm long



The breech section can be cut out from a section of 20mm square steel bar using an angle grinder. To form the face drill using a 10mm bit and level flat using a second 10mm bit with its tip removed until 3mm deep. To form the fixed firing pin, an 11mm length of 3mm tool steel rod or drill shank is epoxied into a 10mm deep hole leaving 1mm protruding.

Extractor

Cut from 3mm thick steel. Bladed tools such as a billhook provide a cheap source of adequately hard steel if cut from material close to the edge.

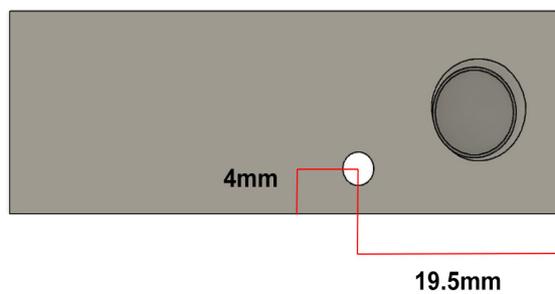
Template

Print on US letter paper



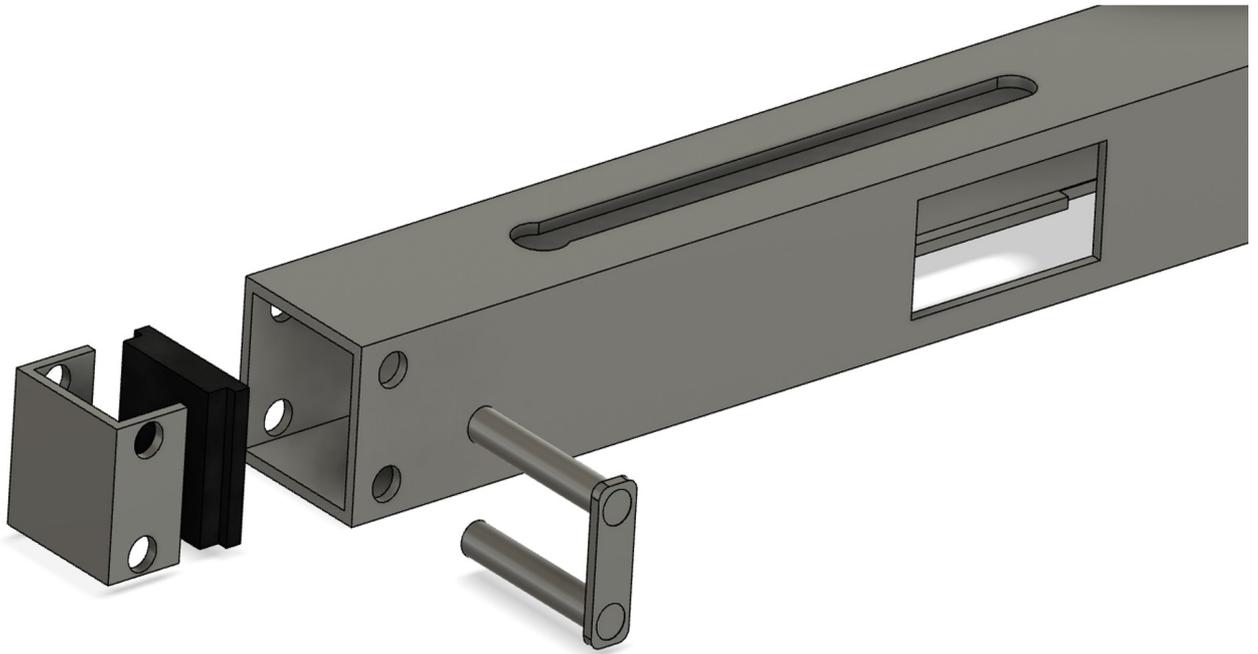
Hole: 3mm

Retain in breech using a 3mm x 13mm roll pin.

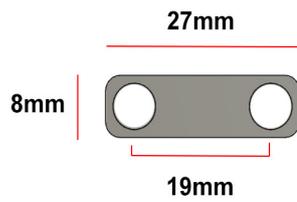


Compression spring: 4mm OD, 6mm long.

Rear takedown clip



Two sections of 6mm dia steel bar, each 35mm long are welded 19mm apart into a small spacer cut from 2mm thick steel plate. The takedown clip is retained via friction.



Barrel trunnion

The barrel trunnion consists of a 35mm length of 25mm square mild steel bar stock with a 16mm dia hole drilled through it. The barrel is retained in place using a 5mm roll pin inserted into a hole drilled after the block is permanently welded into the receiver

