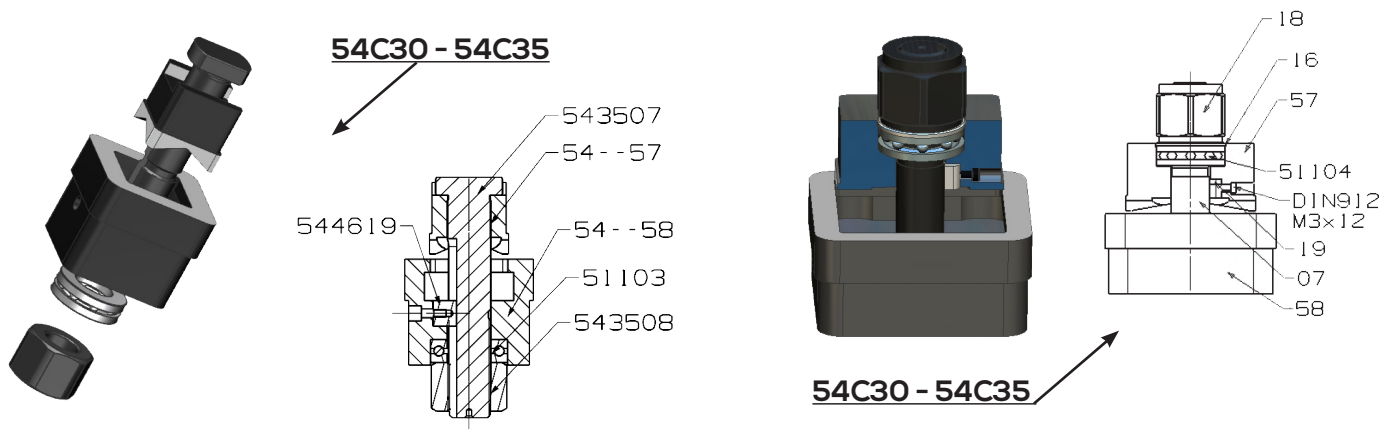


## Perforadores Cuadrados con rodamiento

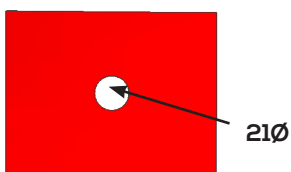


| Ref.         | Medidas (mm) | Tornillo  | Ø Previo | Macho 57 | Hembra 58 |
|--------------|--------------|-----------|----------|----------|-----------|
| <b>54C30</b> | 30 x 30      | M17 x 1,5 | > 20     | 543057   | 543058    |
| <b>54C35</b> | 35 x 35      | M17 x 1,5 | > 20     | 543557   | 543558    |
| <b>54C46</b> | 46 x 46      | M20 x 2,5 | > 22     | 544657   | 544658    |
| <b>54C67</b> | 67 x 67      | M20 x 2,5 | > 22     | 546757   | 546758    |
| <b>54C92</b> | 92 x 92      | M20 x 2,5 | > 22     | 649247   | 549258    |

Capacidad de corte 2mm en chapa de acero . 1.2mm en acero inoxidable.

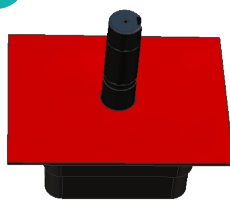
## Instrucciones

1



Haga un agujero en la chapa un poco más grande que el diámetro del tornillos perforador.

2



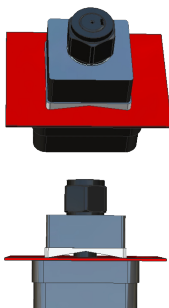
Coloque la chapa entre el macho y la hembra.

3

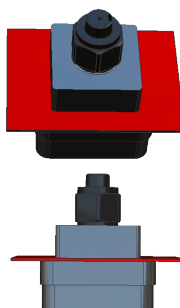


Engrase el perforador y la chapa para facilitar el corte.

4



5

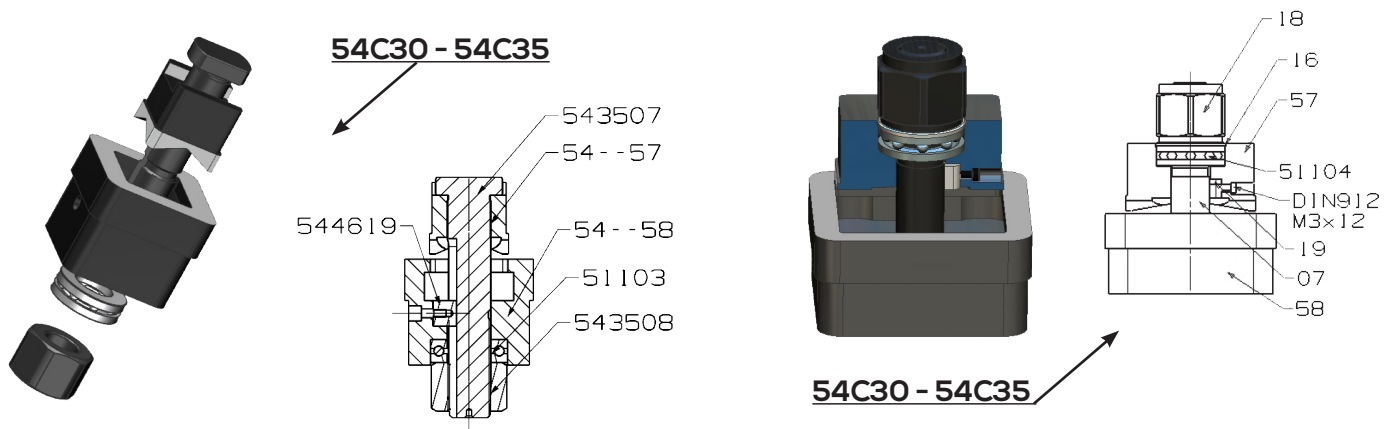


Ajuste el tornillo con la mano hasta que el macho y la hembra toquen la chapa.

Gire el tornillo con una llave hasta que la superficie cortante del macho atraviese la chapa. Puede sacar el perforador completamente de la chapa.

**Nota:** Si el agujero lo hace con una broca procure evitar la rebaba, si esta se introduce en la rosca del tornillo esto puede provocar el gripado del perforador

## Square and rectangular Knock Punches

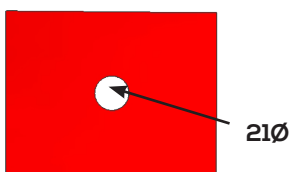


| Ref.         | Dimensions (mm) | Screw     | Ø Previous | Male 57 | Female 58 |
|--------------|-----------------|-----------|------------|---------|-----------|
| <b>54C30</b> | 30 x 30         | M17 x 1,5 | > 20       | 543057  | 543058    |
| <b>54C35</b> | 35 x 35         | M17 x 1,5 | > 20       | 543557  | 543558    |
| <b>54C46</b> | 46 x 46         | M20 x 2,5 | > 22       | 544657  | 544658    |
| <b>54C67</b> | 67 x 67         | M20 x 2,5 | > 22       | 546757  | 546758    |
| <b>54C92</b> | 92 x 92         | M20 x 2,5 | > 22       | 649247  | 549258    |

Cutting capacity: 2mm in sheet steel. 1.2mm in stainless steel.

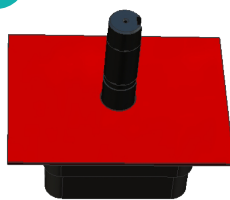
## Instrucciones

1



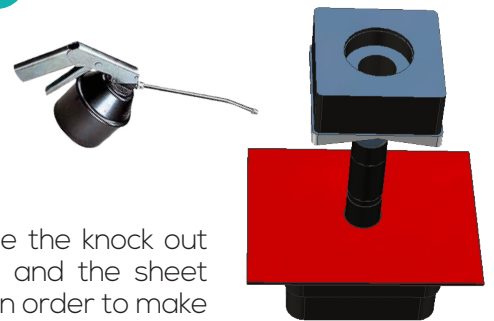
Make a hole in the sheet plate slightly bigger than the screw diameter of the knock out punch.

2



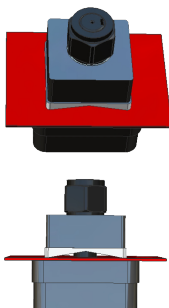
Place the sheet plate between the male and the die.

3

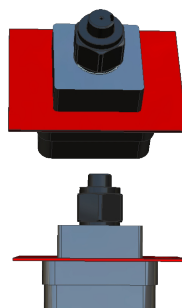


Grease the knock out punch and the sheet plate in order to make it easier.

4



5



Adjust the screw by hand until the male and the die touch the sheet plate.

Turn the screw with a wrench until the male's cutting surface goes through the sheet plate. Then, the knock out punch can be completely removed from the sheet plate.

**Note:** If the hole is made with a drill make sure that there is no burring. If this goes in to the thread of the screw, the knock out punch can be seized up.