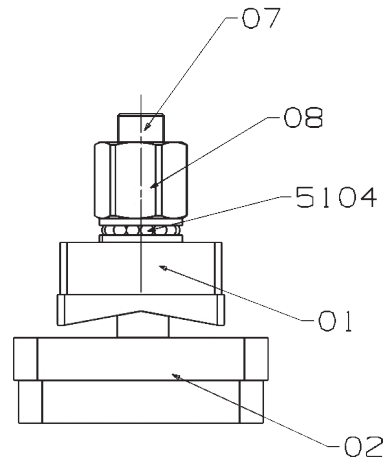


54 Mechanical rectangular knock out punches

Contents



Ref.	Dimensions	Screw	ØPrevious	Male 01	Die 02
54R2870	28,5 x 70 mm	M20 x 2,5	> 22	54R287001	54R287002
54R35113	35 x 113 mm	M20 x 2,5	> 22	54R3511301	54R3511302
54R4070	40 x 70 mm	M20 x 2,5	> 22	54R407001	54R407002
54R4290	42 x 90 mm	M20 x 2,5	> 22	54R429001	54R429002
54RE5280	52 x 80 mm	M20 x 2,5	> 22	54RE528010	54RE528002

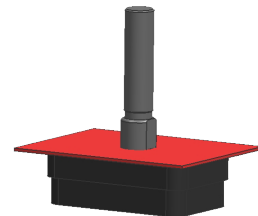
Instructions



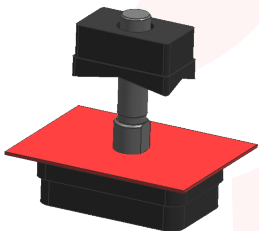
Place the screw in the die of the knock out punch.



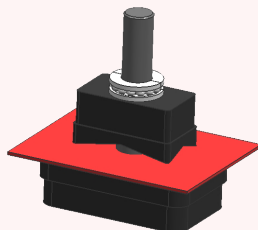
The screw's plane must be place on the plane of the hole.



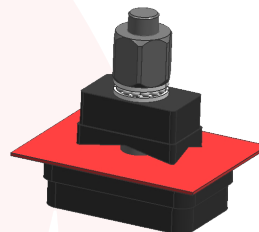
Place the sheet plate with a hole of 24mm.



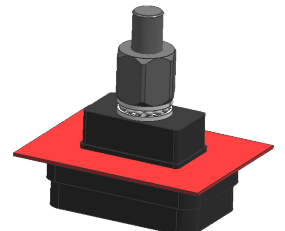
Place the male. The screw's plane must be place on the plane of the hole.



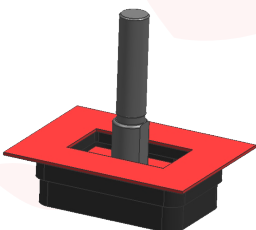
Place the ball bearing .



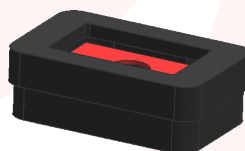
Place the nut.



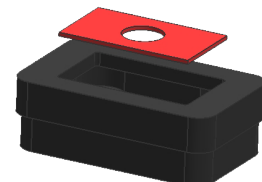
Place the screw on the female of the knock out punch.



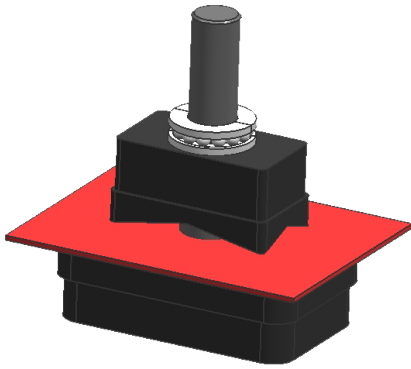
Remove the male, the nut and the ball bearing.



The plane in the screw must match plane in the hole.



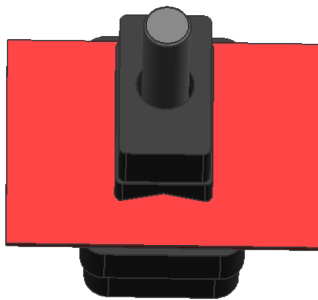
Place the sheet plate with a hole of 24mm.



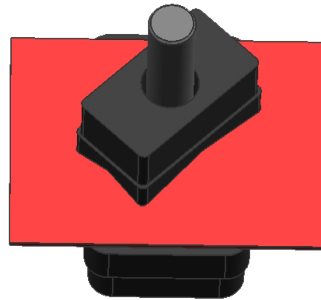
Correct position of the assembly:

Correct position of the assembly

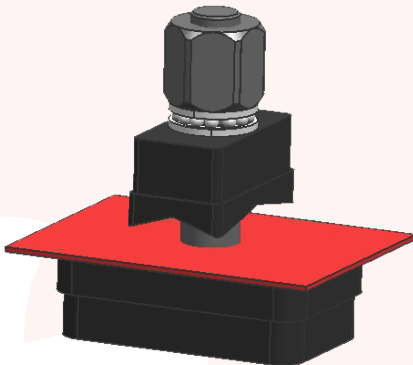
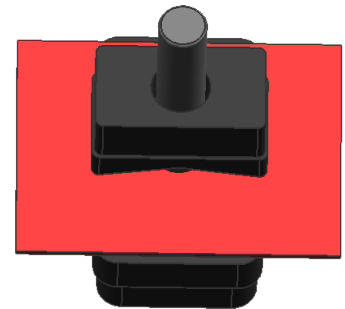
The male of the knock out punch must go down gently until it touches the sheet plate to be cut.



Correct position of the assembly



The user do not realize that the male is in the wrong position crossing the die.



When the male is in this position, the plane of the hole do not fit with the plane of the screw.

The male cannot go down. The user begins to tight the nut, and the male has been broken without touching the sheet plate.

In this case, it can be appreciate that in the screw some material has been removed due to the male goes down in the wrong position.

Then the screw and the male must be replace.