



# HRS-1

## HINGE REINFORCEMENT STRAIGHTENER

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Thank you for your purchase of the HRS-1 Hinge Reinforcement Straightener. When used properly the HRS-1 will provide years of use and profit to your company.

The tool is designed to allow you to straighten a bent hinge reinforcement plate in a hollow metal door or frame. When using the tool exercise caution, excessive pressure on the hinge plate can break the internal weld.

### USING THE HRS-1

Use of the tool is simple; use the provided 3/16" allen screws to fasten the HRS-1 to the bent side of the reinforcement plate. Normally only two screws are needed although you can insert all four into the reinforcement. Do NOT tighten the allen screws at this time. Turn each screw in 3-4 turns.

Once the screws are inserted, insert the 3/4" bolts and begin turning until they begin to make contact with the door or frame. You may want to insert a small steel cover plate (we used an EF161 latch filler plate by Don Jo) under the bolt to spread pressure out, with thin gauge doors the bolt can leave an indentation. If you do not have a filler plate you can always simply fill the indentation with body filler, sand smooth and paint if necessary.

With the plate in the proper position tighten up the allen head screws, then begin to rotate the hex bolts 1-2 turns at a time, alternating from the top to the bottom hex bolt. As indicated above, be careful not to overtighten the bolts as there is a possibility of breaking the internal welds that hold the plate.

Depending on how bad the reinforcement was originally bent, you may need to remove the tool from the door to inspect alignment until the plate is squared up again.

You can view the video of the HRS-1 by scanning the QR code below or going to the HRS-1 product page on the Framon website.



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