



HINGE SPECIFICATIONS

GUIDE TO HINGE SPECIFICATIONS FOR 4 1/2" HINGES.

We are pleased to be able to offer several alternates to meet the demanding conditions placed upon standard 4 1/2" template hinge reinforcing on frames and doors. Our hinge reinforcements are all galvanized 8 gauge steel for maximum durability.

Trillium uses a reinforcing plate on frames that are longer and wider to offer increased resistance to twisting or bending. We spot-weld the reinforcement at eight points on each plate for increased strength and stability. When frames will be exposed to high frequency use or subjected to heavy weight doors, we add to the strength of the hinge reinforcement by welding the ends of the plate to the frame across the width of the plate. We term this additional welding on the frames as "weld for abuse". Most door malfunction complaints can be attributed to door hinge reinforcing failures. Where high frequency door opening or severe conditions are present, we use a special reinforcement which incorporates a ninety degree flange to stiffen the reinforcement. Incorporating an angle to any formed steel plate greatly increases the part's resistance to bending and, thereby, improves the strength of the plate.

Trillium incorporates these hinge plates into all high frequency or severe condition door openings when requested. When dealing with problem door openings, we take the angled hinge reinforcement and add the extra welding along the edge of the plate similarly to what we do on the frame. The result is superior strength applied to the area that is conducive to most failures of doors.

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