

## **PROBLEM:** Gates or doors that sag within days of installation.

This common problem occurs because almost all hinges fasten on only one surface. The screws work loose as the holes enlarge because they cannot withstand the forces being applied from various directions.

**SOLUTION:** the Larsen...

# **PERM** **ALIGN**<sup>TM</sup> **HINGE**



**90%  
STRONGER\***  
than conventional  
strap & tee  
hinges

This innovative family of hinges features new 3-sided and 2-sided designs (patent pending) that "wrap around" the points of

attachment, thus effectively transferring the forces of the swinging load to the stationary structure. As a result, the screws only need to withstand the much smaller downward force of gravity. The benefit is a hinging system that can handle greater loads while eliminating sag caused by the fasteners working loose.

**PermAlign** hinges also allow quick and easy installation since they instantly and permanently align themselves with the points of attachment in lumber, metal, or plastic. This ensures that all hinges in the system are perfectly aligned with each other.



\*Based on comparative testing performed at Bodycote Material Testing Ltd, Cambridge, Ontario

*The PermAlign Hinge with built-in self alignment allows quick and easy installation*



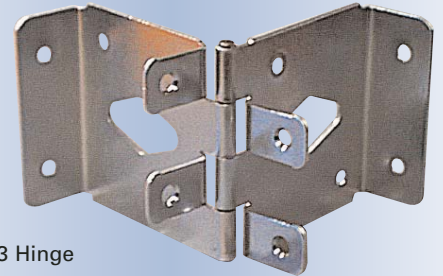
## PERM ALIGN™

### Applications

- **Gates** - for residential, commercial, agricultural or industrial applications
- **Garden Sheds** - no more sagging doors
- **Enclosures** - for Original Equipment Manufacturers
- **Trailers** - for commercial, agricultural, recreational and industrial uses
- **Docks** - floating or fixed can be lifted out of the water

### Features

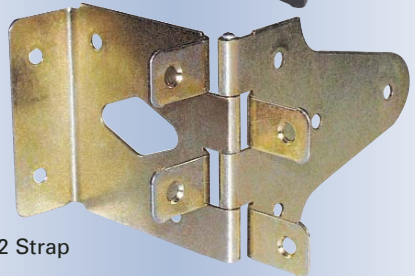
- U-bracket, strap and butt styles available in any combination
- Available in a variety of plated and painted finishes
- 0.187" diameter plated fixed pin with spun heads
- Heavy duty 13 gauge (0.090") steel and stainless steel
- Packaged in bulk with barcode labels on each hinge. Other packaging options are available.
- *Special Order Options* – hinges can be ordered with removable pins. For extreme heavy duty applications – available with welded knuckles, or in longer lengths (increments of 4") to become a single continuous hinge along the full height of the gate or door.



33 Hinge



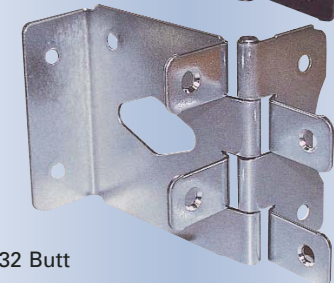
22 Strap



32 Strap



22 Tee



32 Butt



22 Butt

**LARSEN**  
The Hinge People

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