



Chief Tool Board Packages feature the most innovative tools for repair of today's vehicles. These pulling accessories are available in various configurations, offering maximum versatility to keep pace with the evolution of automotive design.

# Structural Holding Package 300021

Part #300021 Weight: 555 lbs. (252 kg)

## Structural Parts Holding Base

**Equip and update your shop with the latest technology in holding systems and repair the newest vehicles on the market!**

**This holding system is designed to fit many non-Chief style machines without standard rectangle holes on top of the deck.**

The Structural Holding Package is designed to give additional holding to newer vehicles manufactured with large amounts of High Strength and Ultra High Strength steels and additional Aluminum structures.

Apply additional holds, spread out the amount of pressure at each hold location and reduce the chance of additional damage during repairs.

Chief's USH Clamp System can be used on a wide variety of Deck systems. Operators must have the correct size mounts.

### Anchoring with sliding base

#### IMPORTANT:

Usage of this system is dependent upon mainframe design and tread width.

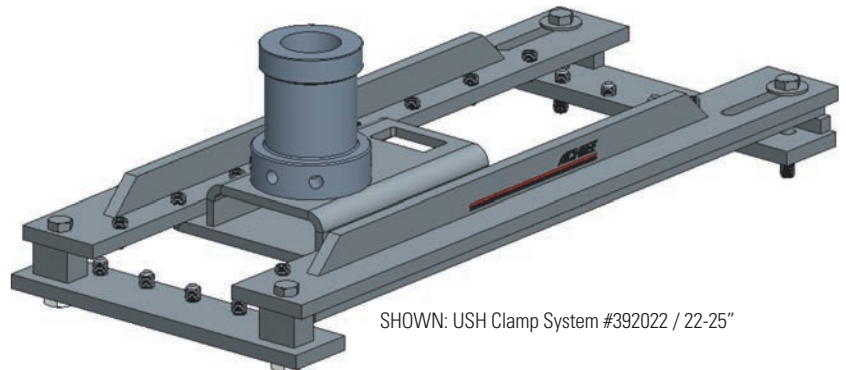
Position clamp mount on top of machine's treadway at corners of vehicle's section.

Clamp mount must engage inner edge of treadway and outer clamp must engage outer edge of treadway.

Slide USH Sliding Base into clamp mount and position at desired location. Slide Structural Holding System tube into stand and build to desired height.

After locating the replacement part to the vehicle, secure clamp mounts to the treadway and sliding base within clamp mounts. The clamp mount bolts must be tightened to 80 foot pounds torque (maximum). The clamp mount hex socket set screws must be tightened - snug only.

**NOTE:** Always inspect clamping locations for fuel lines, brake lines, or other items which may interfere with attachments on vehicle.



SHOWN: USH Clamp System #392022 / 22-25"

#### MODELS / AVAILABLE LENGTHS\*

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| #392020 / 16-19" USH Clamp System | #392023 / 25-28" USH Clamp System |
| #392021 / 19-22" USH Clamp System | #392024 / 28-31" USH Clamp System |
| #392022 / 22-25" USH Clamp System | #392025 / 31-34" USH Clamp System |

\*Tool kit 300021 is to be used with one of the model numbers listed above - kit does not include the four bases which are sold separately.

### Anchoring with thru holes in deck

**NOTE:** Long hardware bolts, tie down plate, and fastening bar will only be required when using with thru holes in deck, not with clamping systems.

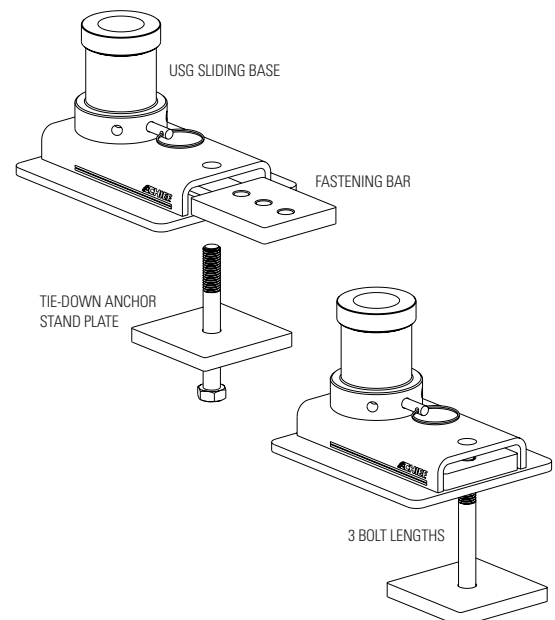
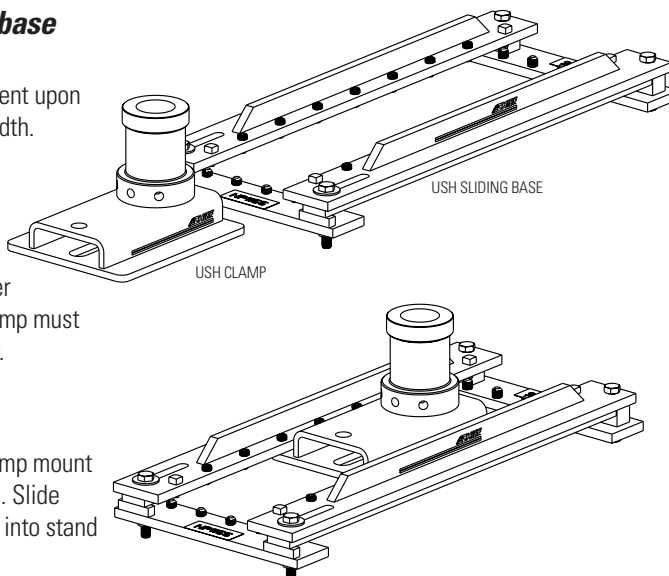
Place USH Sliding Base Assm on flat level surface.

Using Hardware provided, use correct bolt length for the desired deck height. Use flat Washer when needed.

Using hole in deck, place Bolt through Tie plate and bottom of deck. Thread bolt into Fastening Bar.

Make adjustments as needed to locate Sliding Base to desired location.

Secure bolt.



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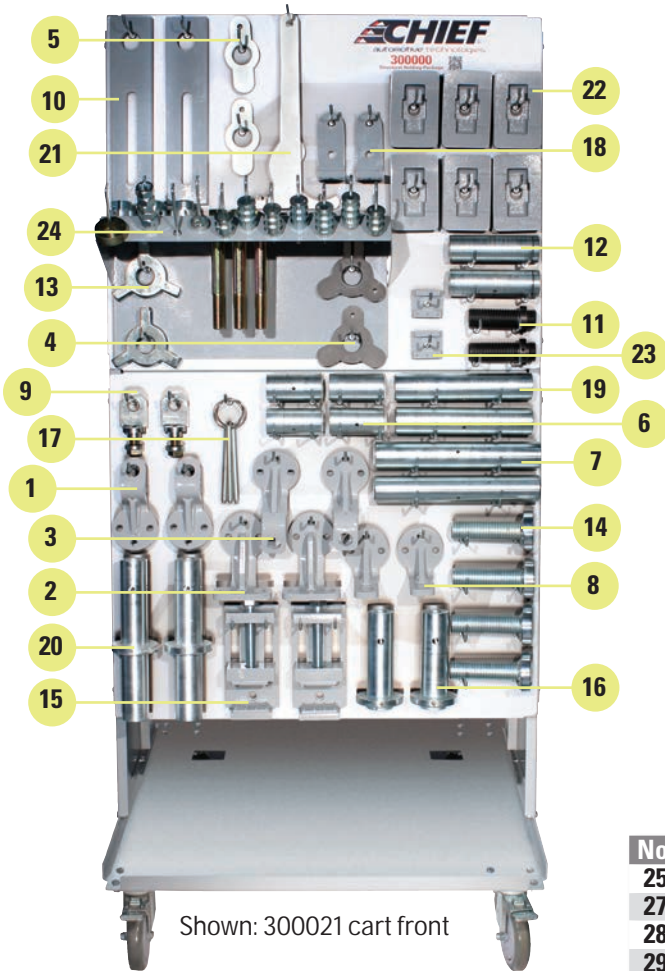
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Chief Automotive Technologies reserves the right to alter product specifications and/or package components without notice.

This Structural Holding Package is conveniently mounted on a tool board that outlines each component making it simple to identify where the part goes; all of this affixed to an easy-to-roll cart designed for the technician's convenience and a clean looking shop.



Shown: 300021 cart front

No.	Part No.	Qty.	Description
1	502000	2	Vertical Fixture Short
2	502005	2	Horizontal Fixture Large
3	502008	2	Vertical Fixture Tall
4	502014	2	Wing Nut, Parts Holding - LH
5	502015	4	Wing Nut, Parts Holding - RH
6	502016	4	4" Extension Tub
7	502017	2	12" Extension Tub
8	502019	2	Tall Horizontal Fixture
9	502026	2	Angle Adaptor Clamp Ass'y
10	502031	2	Base Plate
11	502033	2	Adapter, Parts Holding Lower
12	502034	2	Center Tub Parts Holding Turn Buckle
13	502038	2	Rigging Nut
14	502039	4	Structural Holding Adapter Ass'y
15	502042	2	Structural Vise Ass'y
16	502055	2	Short Tub Base Stand Ass'y
17	502058	4	Release Pin Ass'y
18	502060	2	Wrist Block
19	502061	2	10" Extension Tub
20	502063	2	Tall Tube Base Stand Ass'y
21	502067	1	Spanner Wrench Ass'y
21	502069	1	Spanner Wrench Ass'y
22	607371	6	Fastener Plate, UAS
23	638133	2	Jaw Clamp Ass'y
24	502062	1	Bolt Tray, Structural Holding

Vertical fixtures can mount to locations such as the suspension mounting areas creating a very strong hold for structural repairs.

The large horizontal fixture allows the ability to hold and control the end of a rail or structure for alignment or replacement of that component.

The structural holding package can be used to make **eight point holding** where needed with suspension in or out.

The system can be used for **Unitized and Full Frame vehicles** utilizing the vise clamp to hold full frame rails.

No.	Part No.	Qty.	Description
25	502070	1	Bolt Tray, Structural Holding, F150
27	640114	4	F150 Running Board Bracket Ass'y
28	640004	4	Weldment, Pinch Weld Base, F150
29	498110	4	Pinch Jaw with Nails Complete
30	640076	4	Formed Vertical Clamp, F150
31	640120	6	Weldment, Cab Mount, F150
32	640100	6	Support Plate, Cab Mount, F150
33	682953	4	Plate, EZ-Liner Tie Bolt

Shown: 300021 cart back



This **Tool Board** allows three ways to create holds for repairs:

The **Rigid Cab Mounts** are used to replace the rubber factory cab mounts during structural repairs.

Additional holds can be made when using the **90° Angle Pinch-Weld Jaws** that mount to the rocker flange inconjunction with the FAST Anchoring system.

A third method of holding is using the **Running Board Fixture** in conjunction with the base and fixture extensions within this parts package.

