



**Specialty  
Products  
Company®**

# **HEAVY DUTY ALIGNMENT & TOOLS**



**Alignment Tools**



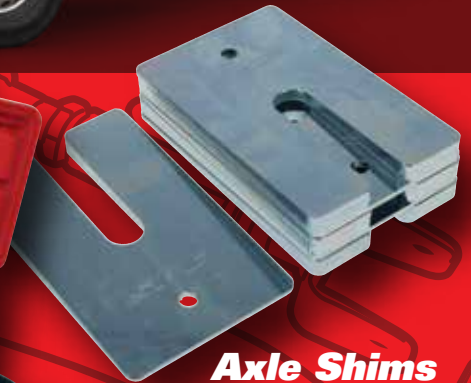
**Tandem Truck  
Shims**



**Wheel Tools  
& More!**

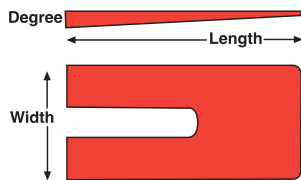


**Axle Shims**

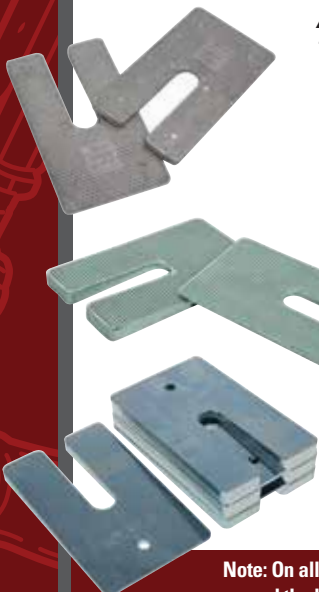


**800-525-6505  
www.specprod.com**

# Truck Axle Shims



MATERIAL	COST	COMPRESSION STRENGTH	HARDNESS
ALUMINUM ALLOY	\$\$	★★★	★★★
ZINC ALLOY	\$\$\$	★★★★★	★★★★★
STEEL ALLOY	\$\$\$\$\$	★★★★★	★★★★★



## ALUMINUM HD TRUCK SHIMS

These economical over-the-road heavy duty truck axle shims are our lowest cost option. With average compression strength and hardness, these shims offer a cost effective means to correct caster on over-the-road trucks and trailers.

## ZINC HD TRUCK SHIMS

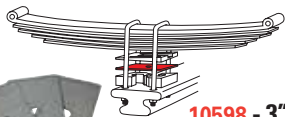
For a small cost increase versus aluminum, Zinc Alloy shims have the hardness similar to premium manganese bronze or steel shims and a much improved compression strength as compared to their aluminum counterparts.

## STEEL HD TRUCK SHIMS

These shims set the standard. Top of the line compression strength and hardness means that when alignment is set - it doesn't change.

Note: On all shims, if you are using "Z Blocks" or other axle spacers you need to spread the load to prevent the shim from crushing. Check out the HD Axle Spacer Plate to solve this all too common issue.

## HEAVY DUTY AXLE SPACER PLATE



10598 - 3"  
10698 - 3.5"  
10798 - 4"

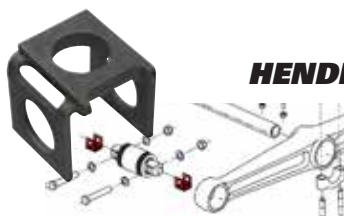
"Z" blocks and other axle spacers used by many manufacturers create pressure points that will crush or even break the toughest of caster wedges. Use this HD wedge spacer plate to spread the load and then use the caster shim of your choice to modify alignment.

ALUMINUM ALLOY	ZINC ALLOY	STEEL ALLOY	SPRING WIDTH	DEGREE	SPR. PAD LENGTH
10405	10403		2-1/2"	1/2°	5"
10412	10413		2-1/2"	1°	5"
10422	10423		2-1/2"	1-1/2°	5"
10432	10433		2-1/2"	2°	5"
10442	10443		2-1/2"	2-1/2°	5"
10452	10453		2-1/2"	3°	5"
10462	10463		2-1/2"	3-1/2°	5"
10472	10473		2-1/2"	4°	5"
10505	10503		3"	1/2°	6"
10512	10513		3"	1°	6"
10522	10523		3"	1-1/2°	6"
10532	10533		3"	2°	6"
10542	10543		3"	2-1/2°	6"
10552	10553		3"	3°	6"
10562	10563		3"	3-1/2°	6"
10572	10573		3"	4°	6"
10605	10603		3-1/2"	1/2°	6-1/4"
10612	10613		3-1/2"	1°	6-1/4"
10622	10623		3-1/2"	1-1/2°	6-1/4"
10632	10633		3-1/2"	2°	6-1/4"
10642	10643		3-1/2"	2-1/2°	6-1/4"
10652	10653		3-1/2"	3°	6-1/4"
10662	10663		3-1/2"	3-1/2°	6-1/4"
10672	10673		3-1/2"	4°	6-1/4"
10705	10703	10706	4"	1/2°	6-1/2"
10712	10713	10716	4"	1°	6-1/2"
10722	10723	10726	4"	1-1/2°	6-1/2"
10732	10733	10736	4"	2°	6-1/2"
10742	10743	10746	4"	2-1/2°	6-1/2"
10752	10753	10756	4"	3°	6-1/2"
10762	10763	10766	4"	3-1/2°	6-1/2"
10772	10773	--	4"	4°	6-1/2"
10782	10783	--	4"	5°	6-1/2"

**36080**  
**36085**



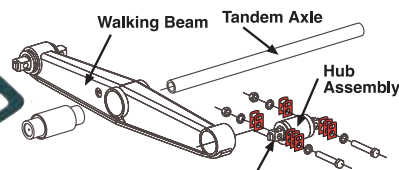
36080



## HENDRICKSON WALKING BEAM SHIMS

These are the OE style shims recommended by Hendrickson. The 36080 offers three adjustments at 0, 3/16" and 3/8". The 36085 gives you four different adjustments of 0, 1/8", 1/4" and 3/8". Each part number includes (x2) to a package.

**36087**



REPLACES these OEM kits:

Euclid Nos: E-9327, E-9328, E-9329

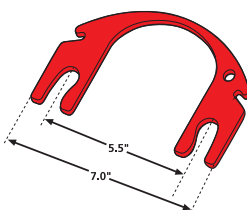
Hendrickson Nos: 50130-000, 50131-000, 50132-000

Adj. Range: 3/8" • Required: 1 set per wheel • Includes: x2 (two)-five piece kits

## HENDRICKSON HD SHIMS

This shim kit will adjust the thrust angle on Hendrickson's walking beam' rear tandem axle suspension. Improve tire wear and handling by adjusting thrust angle from 0" to 3/8" in precise 1/32" increments.

**35035**  
**35036**  
**35037**



## HENDRICKSON (HTB) TORQUE ARM SHIMS

Adjust the Hendrickson (HTB) Torque Arm with these replacement shims. Shims are available in a variety of thicknesses to meet your needs. All sets are sold in boxes of (x6) shims. Order part number 35035 for 1/32" thickness, part number 35036 for 1/16" thickness, or part number 35037 for our 1/8" thickness shim.

Applications:

Hendrickson HTB, International, Spartan:

2007 & Up

Part No.	Application	Qty
35001	Kenworth Airglide space 1/32"	6
35002	Kenworth Airglide space 1/16"	6
35003	Kenworth Airglide space 1/8"	6
35004	Kenworth Airglide space 1/4"	6
35005	Kenworth Airglide space 1/2"	6
35006	Kenworth Airglide space 3/4"	6
35007	Kenworth Airglide space 1"	6
35010	Peterbilt Air Leaf Shim 1/32"	2
35011	Peterbilt Air Leaf Shim 1/16"	4
35012	Peterbilt Air Leaf Shim 1/8"	6
35020	Freightliner FAS I Air Ride 1/32"	2
35021	Freightliner FAS I Air Ride 1/16"	4
35022	Freightliner FAS I Air Ride 1/8"	6
35030	Volvo/White 4-Spring Susp 1/32"	2
35031	Volvo/White 4-Spring Susp 1/16"	4
35032	Volvo/White 4-Spring Susp 1/8"	6
35040	Navistar IHC Torque Arm 1/32"	2
35041	Navistar IHC Torque Arm 1/16"	4
35042	Navistar IHC Torque Arm 1/8"	6
35060	Freightliner Airliner Susp 1/32"	2
35061	Freightliner Airliner Susp 1/16"	4
35062	Freightliner Airliner Susp 1/8"	6
35070	Freightliner Air Glide Susp 1/32"	2
35071	Freightliner Air Glide Susp 1/16"	4
35072	Freightliner Air Glide Susp 1/8"	6
36010	Peter/KW Flex-Air Torque Arm 1/32"	2
36011	Peter/KW Flex-Air Torque Arm 1/16"	4
36012	Peter/KW Flex-Air Torque Arm 1/8"	2

# Tandem Truck Shims

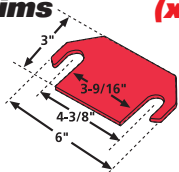


## 36000 Tandem Alignment Set

These alignment angle shims are now available in a heavy-duty metal box to help you organize all of your shims. Packaged with a large variety of shims (listed at left) and an organization chart inside the lid to make reordering and organization of shims quick and easy.

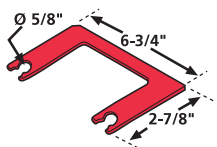
### Freightliner Shims for FASII (x6)

Part #	Thickness
36031	1/16"
36032	1/8"



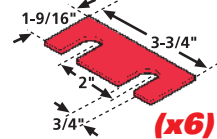
### Freightliner Shims for Air Glide (x6)

Part #	Thickness
35070	1/32"
25071	1/16"
35072	1/8"



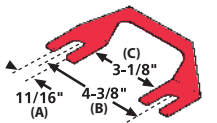
### Freightliner Adjusting Shims (x6)

Part #	Thickness
35020	1/32"
35021	1/16"
35022	1/8"



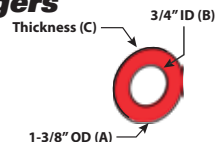
### I.H.C / Navistar Torque Arm Shims (x6)

Part #	Thickness
35040	1/32"
35041	1/16"
35042	1/8"



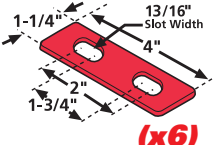
### Kenworth Air Glide Spacers for "Eight Baggers" (x6)

Part #	Thickness
35001	1/32"
35002	1/16"
35003	1/8"
35004	1/4"
35005	1/2"
35006	3/4"
35007	1"



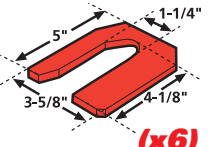
### Peterbilt Air Leaf Adjusting Shim (x6)

Part #	Thickness
35010	1/32"
35011	1/16"
35012	1/8"



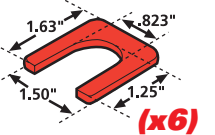
### Prevost Caster Shims (x6)

Part #	Thickness
36060	1/32"
36061	1/16"
36062	1/8"



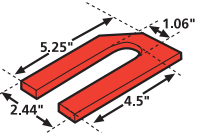
### Prevost Standard Caster Shims (x6)

Part #	Thickness
36070	1/32"
36071	1/16"
36072	1/8"



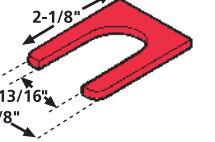
### Prevost X & XL Shims (x6)

Part #	Thickness
36090	1/32"
36091	1/16"
36092	1/8"



### Single Slot Tandem Truck Shims (x6)

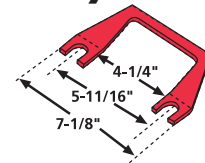
Part #	Thickness
35060	1/32"
35061	1/16"
35062	1/8"
35063	1/32"
35064	1/16"
35065	1/8"



100 Pack

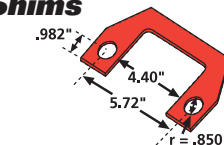
### Navistar Shims - Corporate 6x4 Air Systems (x6)

Part #	Thickness
36020	1/32"
36021	1/16"
36022	1/8"



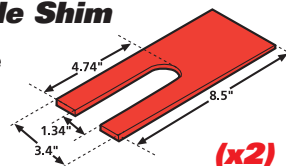
### Peterbilt & Kenworth Thrust Angle Shims (x6)

Part #	Thickness
36001	1/32"
36002	1/16"
36003	1/8"



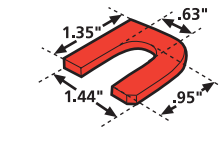
### Peterbilt Air Leaf Pinion Angle Shim (x2)

Part #	Angle
35015	1.0°
35016	1.5°
35017	2.0°



### Vanhoool Lower Control Arm Shims (x6)

Part #	Thickness
36040	1/32"
36041	1/16"
36042	1/8"



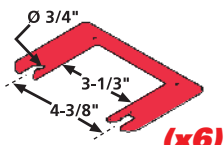
### Vanhoool Upper Control Arm Shims (x6)

Part #	Thickness
36050	1/32"
36051	1/16"
36052	1/8"



### Volvo / White Tandem Shim (x6)

Part #	Thickness
35030	1/32"
35031	1/16"
35032	1/8"





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# REQUEST YOUR COMPLETE SPC CATALOG



## Total Wheel Alignment SourceBook™

Be sure to check out all the HD and fleet vehicle product lines available in the SPC SourceBook.™

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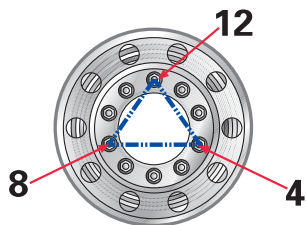


- Thread-less Design
- Tapered Nose
- Single Set

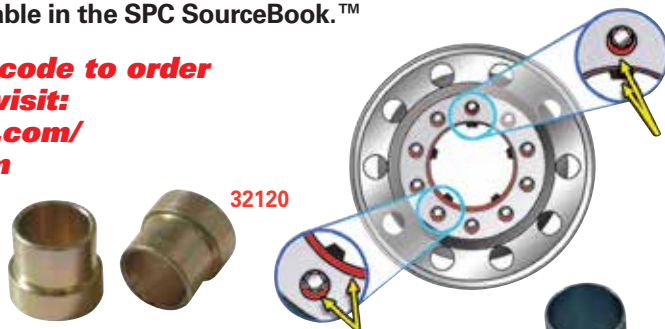
**32111** (22mm)  
**32115** (14mm)  
**32116** (22mm)

### EZ-ON WHEEL CENTERING TOOL SETS

Stop wheel hop and vibrations on hub piloted wheels. These tools slide directly over the wheel studs in the 12, 8 and 4 o'clock positions and the wheel is installed over the tools. The thread-less design allows for quick and easy installation on wheels and hubs to ensure proper centering for improved performance and reduced tire wear.



Tool Placement



### EX-ON WHEEL & BRAKE DRUM CENTERING SLEEVES

These sets center both steer axle HF wheels and brake drums to minimize wheel vibration, brake pedal pulsations and wheel hop. For both Aluminum and Steel steer wheels and a wide variety of brake drum types. The threaded sleeve design allows for quick and easy installation positive results.

Alum.	Steel	Dimensions
32120	32124	1.25" hole / .5" depth
32121	32122	1.25" hole / .25"-.3125" depth
32125	32126	1.34"-1.37" hole / .5" depth
32127	32128	1.28" hole / .5" depth
32123		1.0" hole / .5" depth
32131		1.0" hole / .5" depth

32131

32121

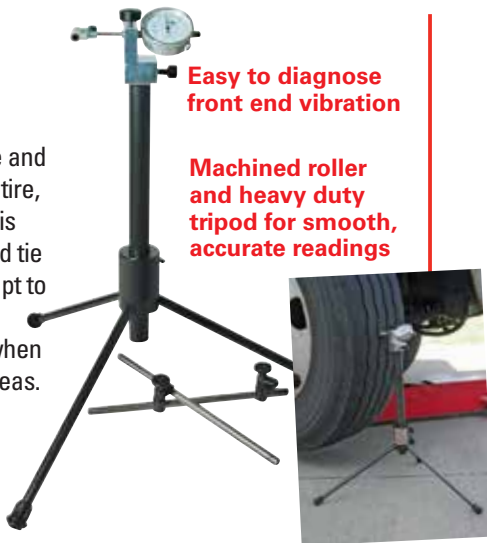
32124

Note: Consult the Sourcebook™ for application fitment details.

## 64250 UNIVERSAL RADIAL RUN-OUT GAUGE

This tool is a must for your garage and displays exact measurements for tire, wheel, and disc brake run-out. This gauge also measures ball joint and tie rod play and adjusts height to adapt to both automotive and heavy truck applications. This is a great tool when measuring those hard to reach areas.

- Measures out of round
- Center wheel & tire
- Easy to use



Easy to diagnose  
front end vibration

Machined roller  
and heavy duty  
tripod for smooth,  
accurate readings

## 91040 FASTRAX™ CAMBER/CASTER GAUGE

This great tool is a must for your garage or shop. Accurate, portable, alignment checks can be done quickly and easily with the Fastrax™ Adjustable Camber/Caster Gauge.

- Includes gauge and wheel mount (fits most 21" - 26" wheels)
- Includes extra length toe arms & no-lip adapters
- Displays Camber ±4° / Caster -4° to +12°



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