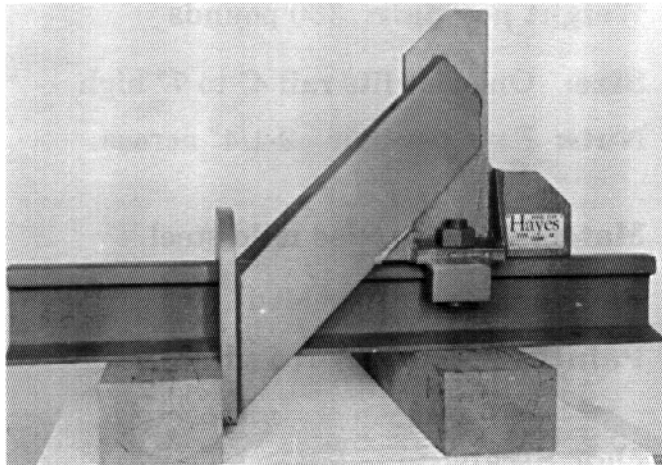
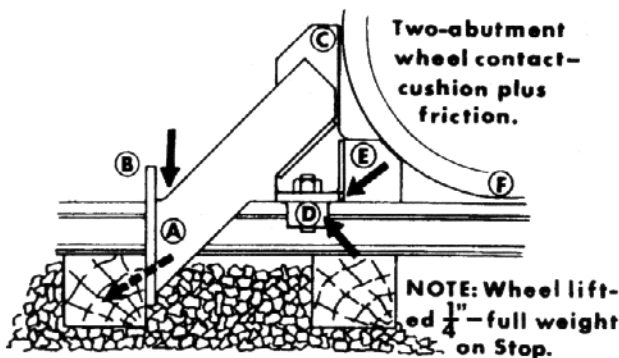


Type SF Cushion® Wheel Stops

Why Type SF is the world's most-specified Wheel Stop



- No holes to drill -- tighten 2 nuts in each block
- No "sizes" -- Type SF fits rail from 4" to 7" high
- No "rights" or "lefts" -- either block fits either rail
- No loose parts -- each block a single steel weldment
- No brittle castings -- 360 lbs. of STEEL in each SF
- Not merely a track-end marker -- made to be switched against
- Stops **Cars**, not just **Wheels**; cushion plus friction absorbs shock in Wheel Stop, not in center-pin of car
- Absorbs shock in ties and ballast.



How Type SF Cushions Impact

Type SF utilizes the weight of the car itself to compensate for greater-than-normal speeds.

The car wheel contacts the SF block at points (E) and (C). In so doing, the wheel lifts 1/4" from the rail at point (F). This small lift is sufficient to apply the weight of the forward wheels to the wheel stop, thus increasing rail-top friction at point(E).

At the same time, the overturning force developed at point (C) forces bracket (B) down on rail-head and bevel-head bolts (D) upward under rail-head, increasing friction in varying amounts at both points.

Type SF uses engineering principles in a practical way to stop cars.

Type SF Cushion® Wheel Stops

Installation Instructions

Select the tie against which the Wheel Stop will bear. (Third or fourth tie from end of track is suggested).

Remove the two bevel-head bolts from each block.

Position the blocks on the rail, both blocks bearing against the same tie.

Replace the bevel-head bolts and tighten evenly to hold blocks vertical.

Your Type SF is now ready for use.

Descriptive Data

Height above rail: 17 inches

Weight per pair: 360 pounds

Size: One size fits rail 4" to 7" high

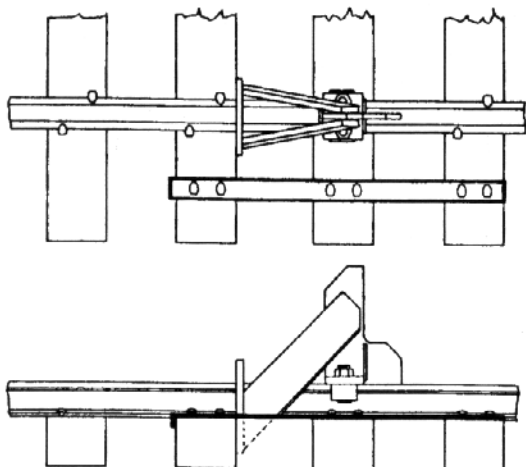
Nuts: Four per pair - 2-1/4" across flats

Material: Hot-rolled mild steel

Fabrication: All-welded

Paint: Special M/W red oxide

Optional Anchor Straps



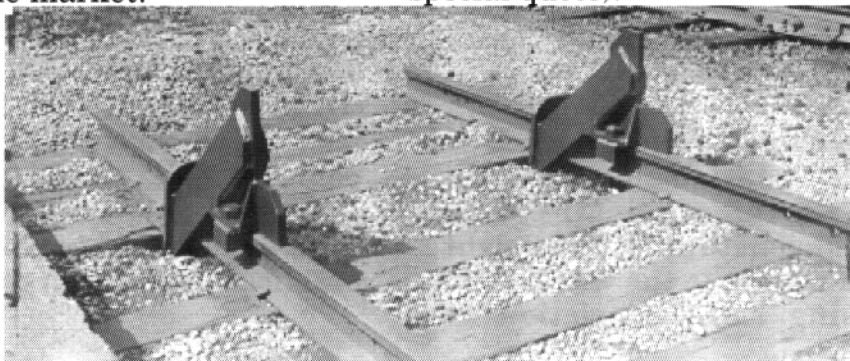
To increase resistance against heavy, slow impacts while preserving the cushion feature of Type SF, ties back of the Stop may be blocked apart to move as a unit. Or ties may be strapped together in front of the Stop (under the car), beginning with the tie against which the Stop bears. Anchor straps optional - Order Separately. (Sold in pairs)

More Than 40,000 in Use

Railroads which have had the most experience with Type SF are its most enthusiastic boosters. There is no better Wheel Stop on the market.

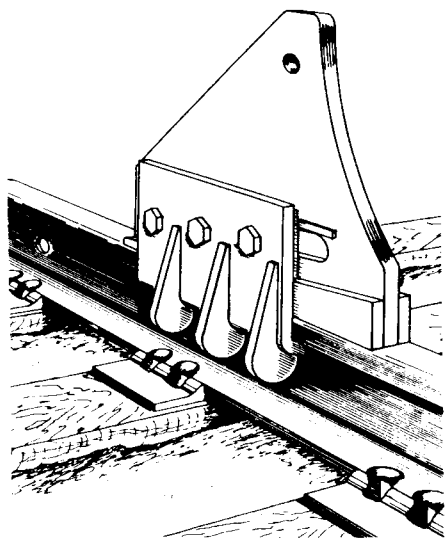
How To Order Type SF

Specify "Hayes Type SF Wheel Stops" and number of pairs required. (If rail is under 4" or over 7" high, or wheel dia. is other than 33" or 36", please ask for special quote).



Model 430F Car Stops

- **Fast, clamp-on design**
- **Few Components**
- **No drilling of rails**
- **Ballast & ties not disturbed**



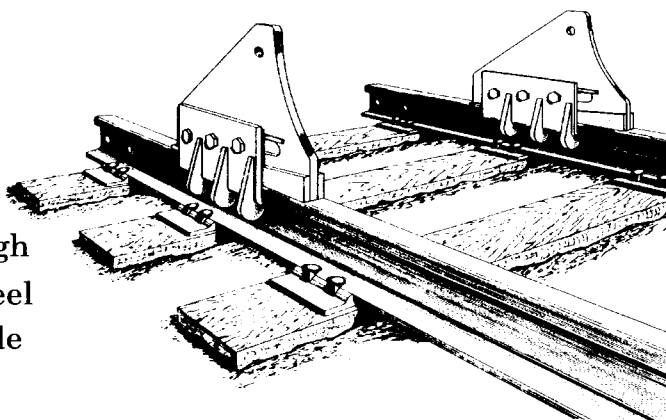
Recommended especially for use on stub-end tracks where the base of the rail is not accessible (flush rail - rail surrounded by concrete, asphalt and other kinds of pavement).

Simple application; just bolt the two clamp wedges lightly. Using a sledge hammer, drive the car stop block until it grips the rail-head securely - when firmly gripped - draw the four bolts tight. No further attention is necessary.

When used in pairs, be sure they are parallel so both wheels contact simultaneously.

Specifications

Height Above Rail:	16-5/8"
Weight Per Pair:	350 lbs.
Size:	One size fits all rail from 4-5/8" to 8" high
Material:	All-welded Steel
Finish:	M/W Red Oxide
Wheel Contour:	33" - 36" dia.
Speed:	Up to 3 mph



Wheel Stops are to be used for low speed stopping of rail cars. Speeds above 3 MPH are not recommended. Damage to wheels, bolsters and centerpins can occur at excessive speeds. Where speeds of 3 to 4-1/2 MPH are expected, we recommend cushion style SF or Spring Action Hayes Wheel Bumpers.

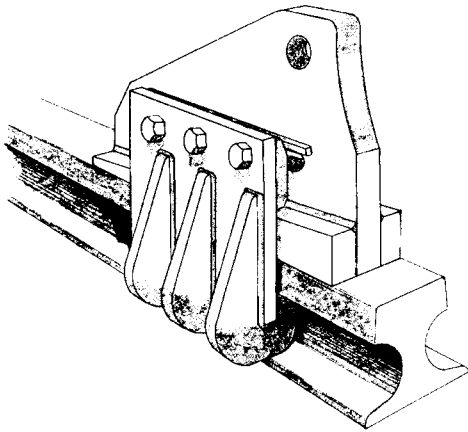
Model 430F Modified for Craneways and Special Applications

The 430F design is adaptable to fit your needs. The units can be made to accommodate crane rail and mine rail in addition to standard "T" rail.

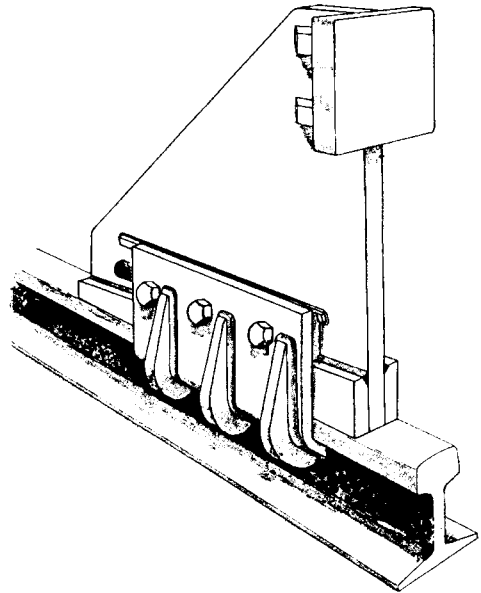
No drilling of rails.

- Wheel diameters other than standard 33" - 36" diameter can also be accommodated.
- Where wheels are concealed or inaccessible, frame contact can be accommodated.

Please call, write, or fax for further information on 430F Modified.



**430F Modified on 175#
Crane Rail**



**430F Modified for
Frame Contact**

Model 430F Modified Stops are designed for non-standard railroad application such as cranes and other devices that use rails to guide and facilitate movement. They are normally sold in pairs. See other side for installation instructions.

Custom made products are not subject to our normal return goods policy and warranty. Shipping weight varies with design.

WESTERN-CULLEN-HAYES, INC.

2700 W. 36TH PLACE CHICAGO, IL. 60632
(773) 254-9600 FAX (773) 254-1110



WESTERN-CULLEN-HAYES, INC.

120 N. 3rd Street, P.O. Box 756, Richmond, Indiana 47374
(765) 962-0526 FAX (765) 966-5374

Type SH Hinged Wheel Stop

Temporary stopping or loading locations can easily be accommodated, with Western-Cullen-Hayes Type SH Hinged Wheel Stops.

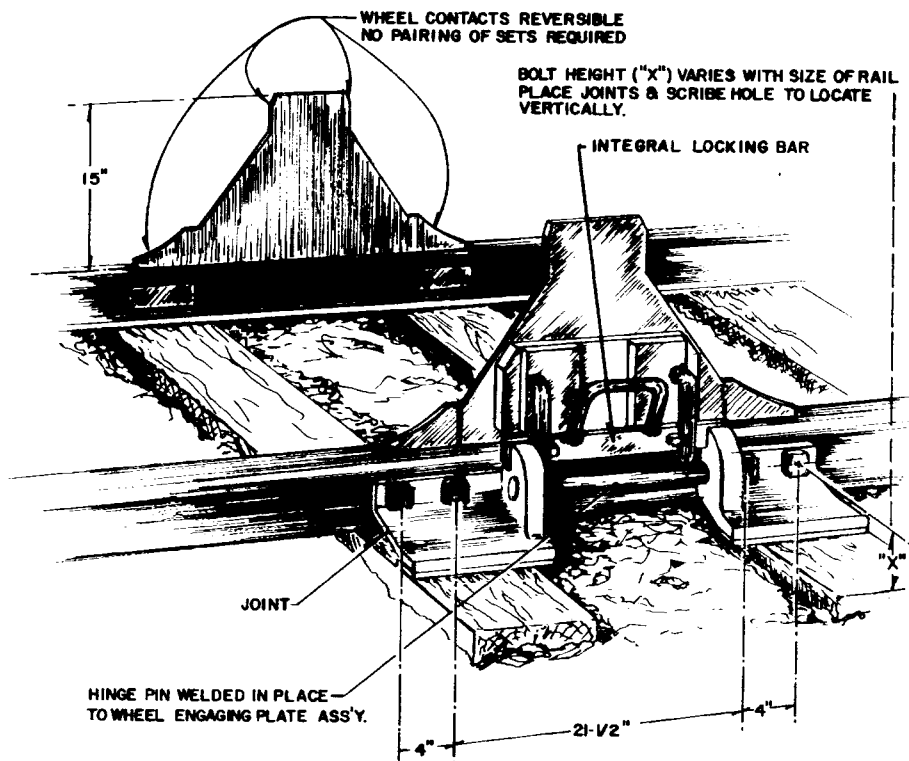
Once installed, quick and easy lifting of the captive locking bar allows wheel stop removal. Access to your track or car movement is immediate.

Provisions for locking the wheel stop in the "ON" rail position are provided.

Wheel stops are recommended for moderate speed locations not to exceed 3 mph.

Heavy 2" diameter hi-carbon steel hinge pin.

Heavy belleville spring to absorb shock and give greater service life.

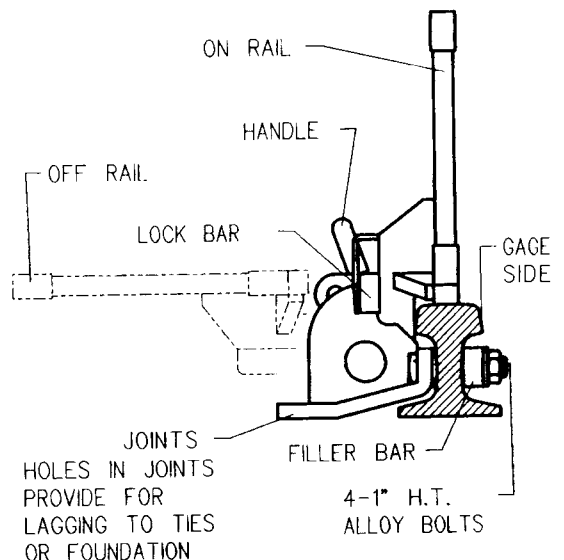
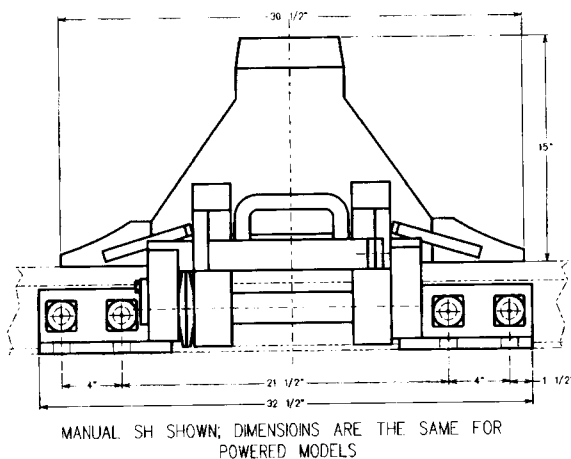


Installation Instructions

The units are to be installed with the hinge plates on the field side of the rail. This will facilitate operation of the unit in the "on" and "off" rail positions.

Installation instructions and details are provided with each unit.

Be Sure That The Wheel Engaging Block Is Vertical When In The "On" Rail Position.



Ordering Information

Each wheel stop is made for a specific rail section. Always specify rail section at installation location.

Shipping weight is approximately 420 lbs. each pair.

Note: Electric or pneumatic powered units available. Please call, write, or fax for further information.

WESTERN-CULLEN-HAYES, INC.

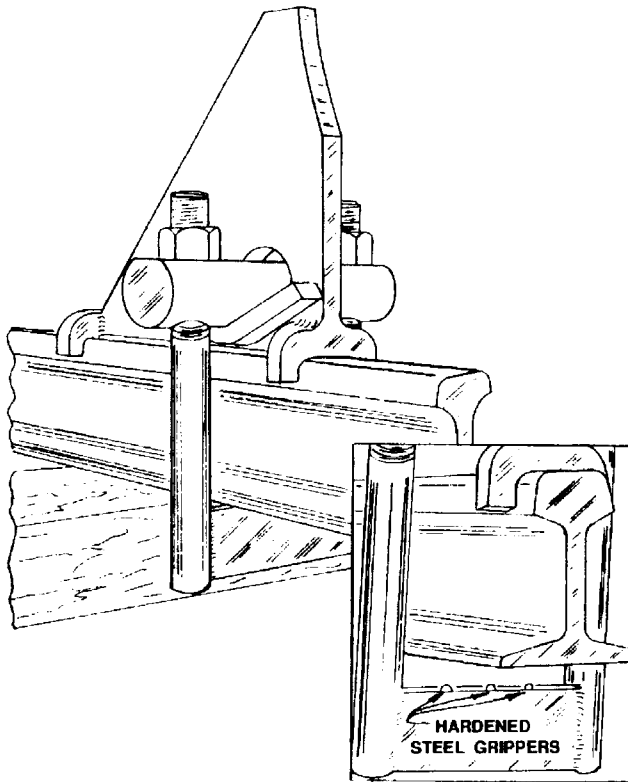
2700 W. 36TH PLACE CHICAGO, IL. 60632
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WESTERN-CULLEN-HAYES, INC.

120 N. 3rd Street, P.O. Box 756, Richmond, Indiana 47374
(765) 962-0526 FAX (765) 966-5374

Rigid Rail Car Wheel Stops - Type SG



Features

- **Low Cost**
- **All Steel Construction**
- **Easy Installation**
- **Uses Entire Rail for Added Strength**
- **No Holes to Drill**

Specifications

Height above rail: 14"

Weight per pair: 200 lbs.

Size: One size fits all rail from 4-1/4" to 8" high

Wheel diameter: 28" - 36"

Speed capacity: 3 MPH

To Install

Remove nuts and separate loop clamp from wheel engaging block.

Select a sound tie near track end which is suitable for the clamp to rest against.

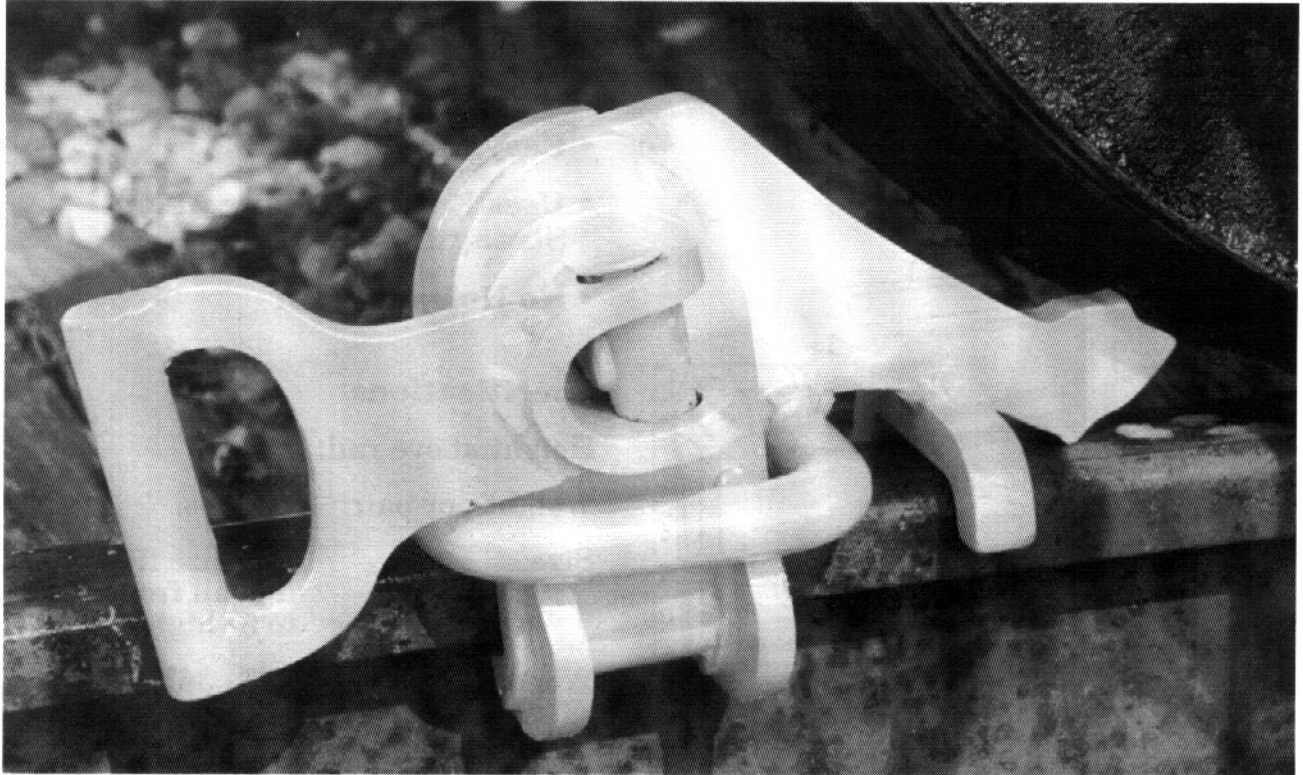
Slide the loop under rail and raise threaded end to vertical position. Insert 3" diameter cross bar through wheel engaging block (with the flat surfaces facing up) and lower the block over the threaded loop shafts. Apply nuts and tighten.

Repeat procedure for companion block. (Always use wheel stops in pairs and make certain units are parallel).

The first impact sets the loops and securely holds the blocks to the rail. No repositioning will be required as the SG will not slide from this placement.

Wheel Stops are to be used for low speed stopping of rail cars. Speeds above 3 MPH are not recommended. Damage to wheels, bolsters and centerpins can occur at higher speeds. When speeds greater than 3 MPH are expected use Cushion® Wheel Stops - Type SF or consider coupler contact Bumping Posts. Please call, fax or write for literature.

**Western-Cullen-Hayes
Heavy Duty Wheel Chock - Type RE**



- **Economical**
- **Rugged, All Steel Construction**
- **Simple, Welded Design**
- **Convenient, Easy to Apply to Track**
- **Lightweight - 25 pounds for Easy Handling**

W-C-H Wheel Chocks assure safe, secure blocking of standing cars. Chock is easily installed by placing it on the rail and pushing it directly against the standing wheel. The cams of the chock are tightened and set by rotating the handle to the locking position.

Western-Cullen-Hayes Wheel Chock - Portable Flag Type



- **Provide Safe, Secure Blocking**
- **Easily Attached and Removed**
- **Bi-Directional Use**

The rugged, all steel Safety Wheel Chocks are quickly and easily attached. Assembly is simply placed on exposed rail head and extension arm is lowered to horizontal position to secure device on rail.

Assembly's long extension arm extends large diameter warning sign up to the side of car to permit maximum visibility. Standard finish is bright maintenance-of-way yellow.