

RAIL INSTALLATION & ALIGNMENT



Questions? Answers at...

Western US: 1-866 CED-ELEV
or 1-866-233-3538 • Fax 1-562-427-8429

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or visit us online at
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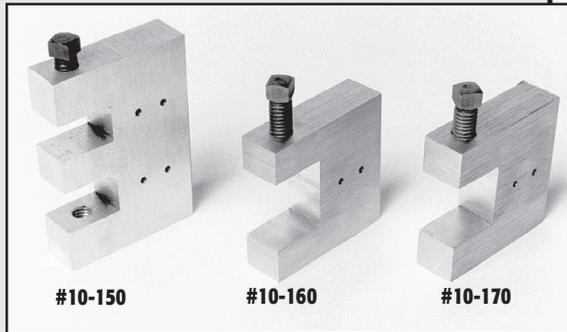
*for 24 hour order entry,
cross reference data base,
product specifications
with pictures and much more!*

Full line catalog available on request

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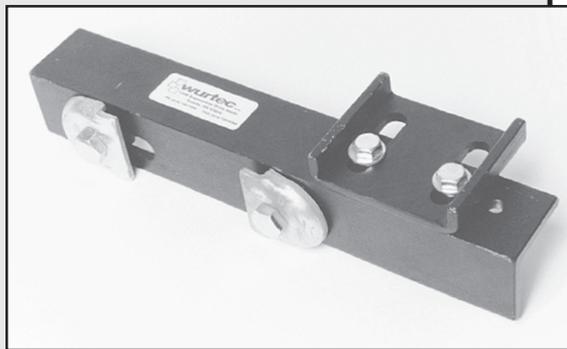


Plumb Line Clamps

Plumb Line Clamps

These clamps have been designed to accurately secure the plumb line $\frac{1}{2}$ " or 1" from the center of the rail face. They are made of high-strength, lightweight aluminum. The combination plumb line clamp has been designed for $\frac{5}{8}$ " and $\frac{3}{4}$ " rail faces.

Part Number	Size
10-150	$\frac{5}{8}$ " & $\frac{3}{4}$ "
10-160	1 $\frac{1}{8}$ "
10-170	1 $\frac{1}{4}$ "



Adjustable Plumb Line Clamp

This adjustable plumb line clamp works ideally with the realignment pointer set (#10-110), by allowing you to drop your plumb line to the side of the rail. This provides you with an accurate reference in the hoistway, adjacent to the rail and without interference from the car.

Part Number **10-180**



Intermediate Plumb Line Clamp

Don't let wind or solar loads affect your extra long plumb lines. Simply install these intermediate clamps where needed to control your lines. Loosen the screw, slip the line into the proper hole, tighten and mount to aligned rail. You are now ready to continue aligning between clamps.

Part Number **10-151** ($\frac{5}{8}$ " & $\frac{3}{4}$ ")

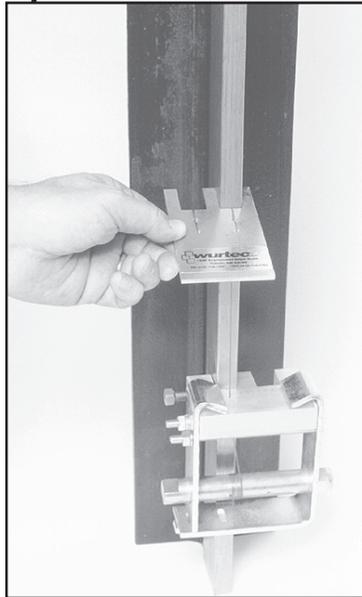
Questions? Answers at...

Plumb Line Tensioner & Gauges, Piano Wire

Plumb Line Tensioner

Easily maintains tension in plumb line up to its ultimate breaking strength. Lightweight, compact, easy to install over our plumb line "clamp" (#10-150, 160 & 170)... Re-tensions in seconds, if required. Pays for itself by the end of first job. Plated finish for longer life against the elements.

Part Number **10-190**



Piano Wire

This important part of the rail alignment system is available in one and three pound packages. There are approximately 440 feet of wire per pound. The diameter of wire is 0.029" and the ultimate breaking strength is 200 pounds.

Part Number	Description
13-100	Coil-1 lb.
13-110	Spool-3 lb.

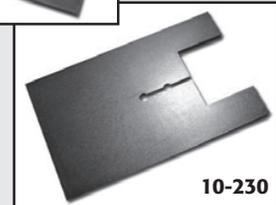
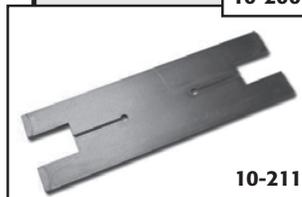
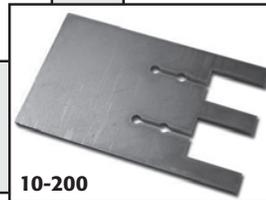
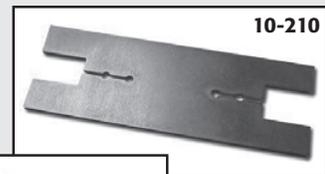
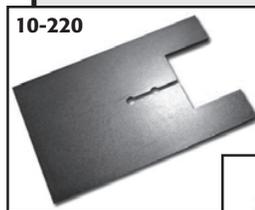
NOTE: Other diameters, lengths and types of wires are available upon request.



Plumb Line Gauges

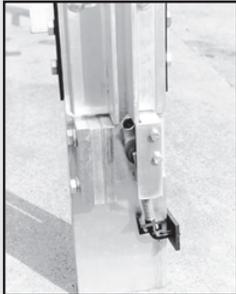
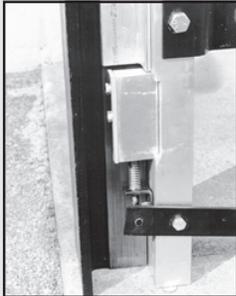
These gauges have been designed to readily indicate the rail placement and alignment relative to a plumb line located from our clamps. They are made of 1/8" steel and plated for protection against the elements. The combination gauges are made for 5/8" and 3/4" rail faces. The slots are either adjacent (#10-200) or located front to rear (#10-210), for your convenience.

Part Number	Description
10-200	5/8" & 3/4" Combo
10-210	5/8" & 3/4" Combo Front/Rear
10-211	5/8" & 3/4" Combo Front/Rear & False Car
10-220	1 1/8"
10-230	1 1/4"



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Alignment System & False Cars

Laser Alignment System

This Laser Alignment System can be used to realign the rails in a hoistway or to align them for the first time. It is also great for surveying the hoistway in preparation for installing your equipment.

Part Number **10-114**

Aluminum False Car

The Aluminum False Car has been designed with the user in mind. It is flexible and easy to use. The false car adjusts easily to fit rail systems with DBG's of 5' 6" to 9' 0." It is built of lightweight aluminum for ease of handling and installation, while still providing the strength for a 1,500 capacity car. This unique false car adjusts to fit rail faces of $\frac{3}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{8}$ " and $1\frac{1}{4}$ ". It comes complete with all but the hoisting hardware. Available for purchase or rent.

Part Number **11-301**

Aluminum False Car Canopy

Provides that extra protection, sometimes needed, when working in an open hoistway. We provide the predrilled corner posts and roof supports. You provide the lumber.

Part Number **11-350**

Questions? Answers at...

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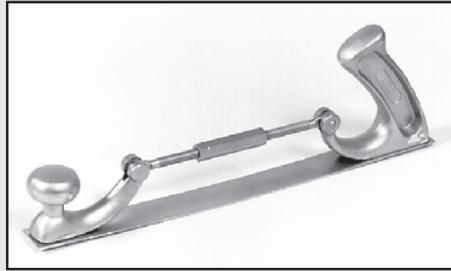
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Rail Files & Holders

Rail Gauge, Shims & Oilers

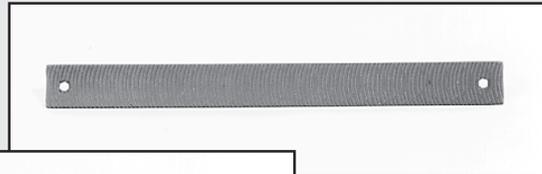
Adjustable Flexible File Holder

Can easily be adjusted for curving the file either outward or inward, and used with 12 or 14" files.
Part Number **10-761**



Rail File

Made from the finest, hardened steel available. When used in combination with our handle, this file is a fine tool for dressing guide rail joints and step wheel tracks on escalators, for quieter and smoother rides.
Part Number **10-750**



File Handle

Made of smoothly shaped wood that fits comfortably in the hand. Works great in combination with steel Rail File (above).
Part Number **10-760**



Rail Gauge

Assures smooth elevator operation by properly aligning rails. Use them to set guide rails facing square and for correct D.B.G.

- Quickly attaches to 1/2" or 3/4" conduit with the set screws provided in the gauge fastening bracket.
- Accurately fabricated in aluminum to provide a precision tool.

Part Number **RG12**



10-125

Universal Rail Shim

0.015 (1/64" x 2 1/2" x 7"). Slotted for ease of installation. Fits bolt patterns from 3 1/2" to 5 1/4" centers without bolt removal. Shim will not fall out if hardware loosens.
Part Number **10-125** (package of 200)



RS18

Single Slot Rail Shim

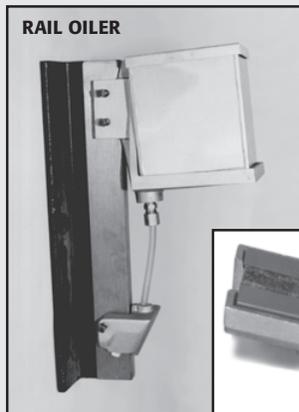
Easily added after rail is in place.
3" x 3" with 13/16" x 2" slot.

Part Number	Description
RS18	1/8" thick, 25 per pack
RS37	1/32" thick, 100-piece bundle
RS538	1/16" thick, 50-piece bundle

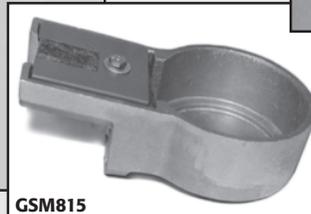
Rail Oilers

With wick and copper tubing, a controlled flow of oil moves slowly and easily down the rail, oiling and cleaning continuously.

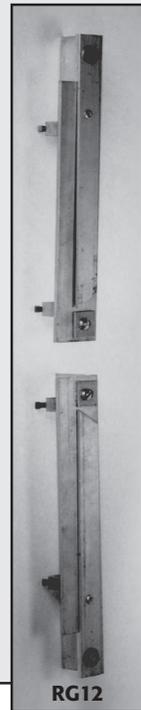
Part Number	Description
RM815	For 8, 12, and 15 lb. guide rails
RM2230	For 22.5, and 30 lb. guide rails
GSM815	Mounts to guide shoes, set of 2



RAIL OILER



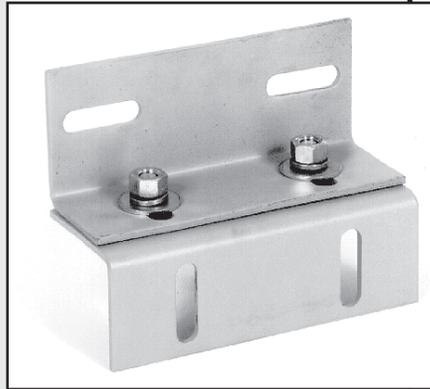
GSM815



RG12

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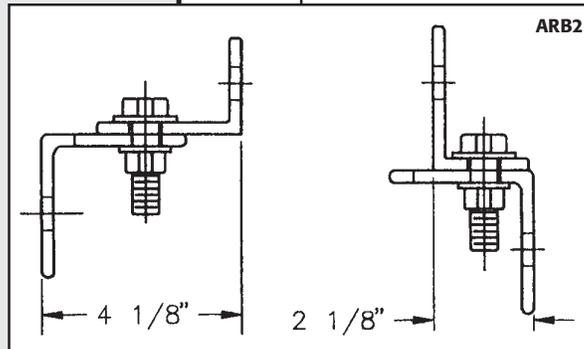
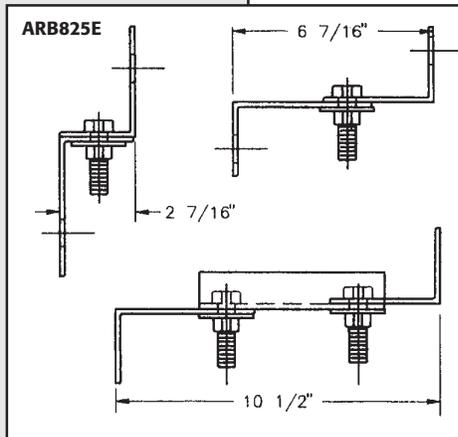
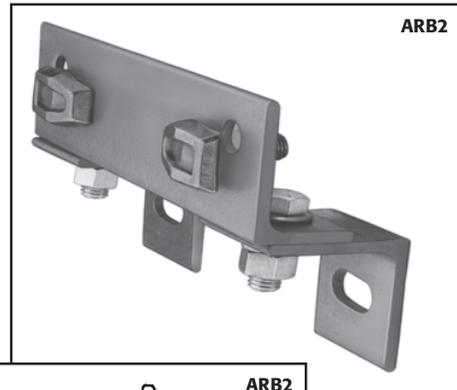
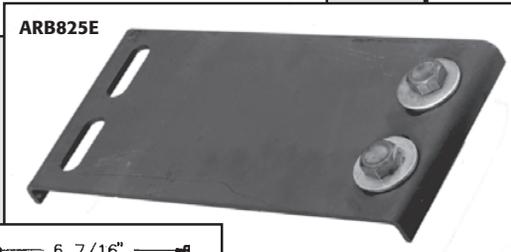
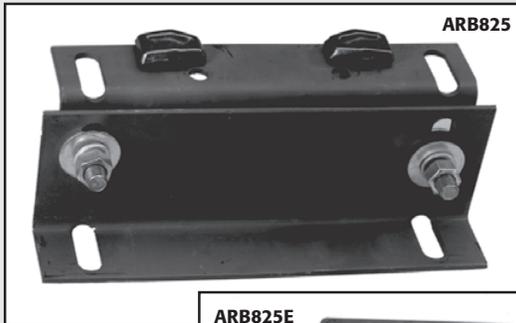
Rail Brackets, Extensions & Clips

Rail Brackets

This adjustable rail bracket is made of 1/4" carbon steel. Our standard bracket adjusts from 2 1/4" to 8". For depths greater than 8" we will custom design. Fits 8, 12 and 15 lb. Rails.

Rail Brackets, Extensions & Clips

Adjustable 7-gauge carbon steel bracket fits 8, 12, 15 lb. rails. Bracket to wall. Bolts by others.



Part Number	Description
ARB825	2 7/16" to 10 1/2" adjustment
ARB825E	Extension plate with extra bolts
ARB2	2 1/8" to 4 1/8" adjustment for 15 lb. rails
C-160	Rail clip for 12lb. & 15lb. rail
C-161	Rail clip for 8lb. rail

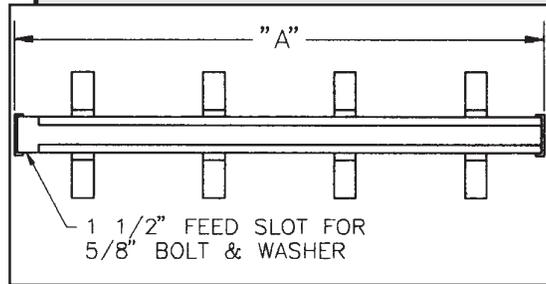
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Rail & Wall Inserts

Rail Inserts

Designed for maximum strength and guide rail installation ease. Independent test results have proven a shear load of 5,000 lbs. and pull out load in excess of 5,000 lbs. All inserts are made from 12 gauge rolled steel with legs and end caps made from 10 gauge steel.

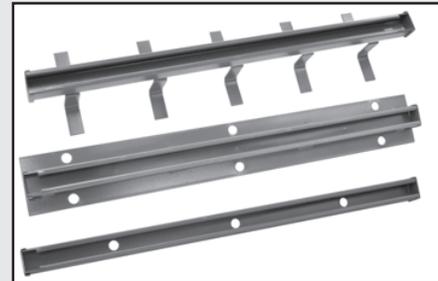
- Grey enamel finish
- Insert washers are included (2 per unit)
- 5/8" washers shipped unless otherwise requested
- Complete test results available upon request



Rail Inserts

Part Number	Size	No. Legs	Dim. "A"
GI12	12"	2	12"
GI18	18"	3	18"
GI24	24"	4	24"
GI30	30"	5	30"
GI36	36"	6	36"

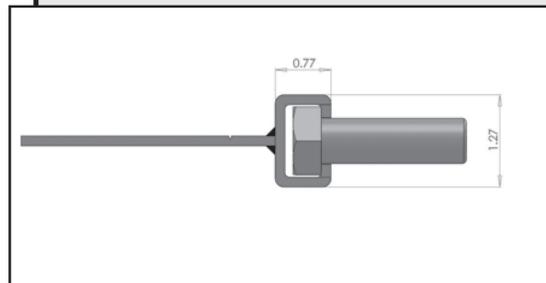
Other/Special sizes can be custom ordered



Wall Inserts

Wall insert has been designed specifically for the elevator industry. Its low profile allows it to be mounted easily on wood walls with drywall finish, embedded in block/concrete, or surface mounted wherever required. The standard hex head of a 5/8 bolt can be inserted into the channel at the slot provided in each end and the middle, once in the insert, it will not turn.

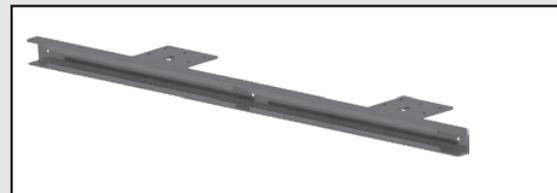
- No special hardware required
- Protection provided to prevent insert from filling with concrete
- Mounting bracket is marked to show mounting location for double thick drywall
- Custom mounting brackets available



Wall Inserts

Part Number	Length	Pull Out	Weight (lbs)
20-200-15	15"	1650 lb	2.45
20-200-24	24"	1650 lb	3.42
20-200-30	30"	1650 lb	4.05
20-200-36	36"	1650 lb	4.71
20-200-42	42"	1650 lb	5.35

20-200-CK Concrete Installation Kit. Includes 2 anchor bars and an insert that is protected from filling up with concrete.



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