

# Coupler Height Gauges

- 1) Provides instant visual reference of proper coupler height.
- 2) Provides instant visual reference of proper body mounting height. (#206 & #704 only)
- 3) Accurately measures proper trip pin height above the rail. (#205, #206 & #815 only)
- 4) Gauges track width.
- 5) Gauges wheel width (#704 only)
- 6) Uncoupler gluing jig (#704 only)
- 7) Moveable dowel tests Kadee® Magne-Matic® Uncoupler height and registers the needed adjustments. (#205, #206 & #815 only)



Made in the U.S.A.

## HOn3-Scale

## HO-Scale

## HO-Scale

## On30-Scale



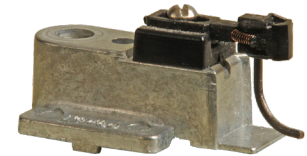
#704 Metal Base



#205 All Metal  
includes standard and scale coupler



#206 Insulated Base  
includes standard and scale coupler

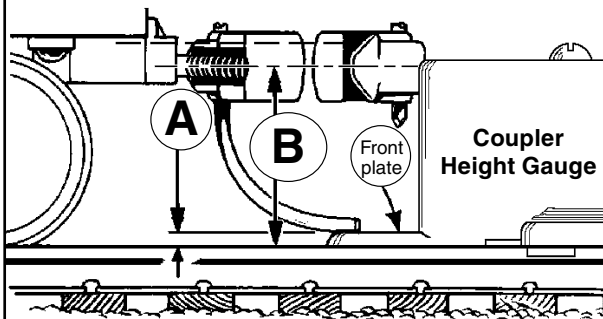


#815 Metal Base

# Using Your Coupler Height Gauge

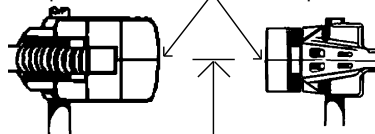
The coupler height gauge is one of the most important tools you will use for proper coupler function and performance.

## Check Coupler Height & Trip Pin Clearance

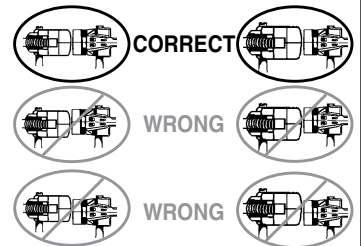


Kadee® recommends “standard” coupler heads over “scale” coupler heads. This will help with rough track issues.

NO.5® or #148 “standard” coupler head      #58 or #158 “scale” coupler head



“center” of the couplers knuckle (coupler centerline) to top of Rail should be 25/64”

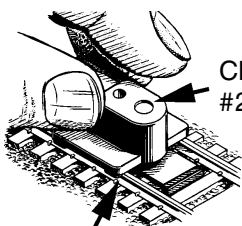


Coupler height should only be measured from the “center” of the couplers knuckle (coupler centerline).

(A) Trip pin clearance (HOn3 Scale .031” (1/32”)), (HO Scale .031” (1/32”)), (On30 Scale .063” (1/16”)).

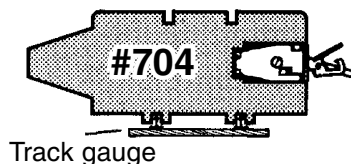
(B) Railtop to coupler centerline (HOn3 Scale .281” (9/32”)), (HO Scale .390” (25/64”)), (On30 Scale .562” (9/16”)).

## Track Gauge



Check uncoupler height  
#205, #206 & #815 only

Track gauge



Track gauge

## Body Mounting Height

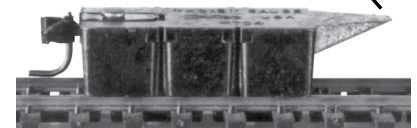
### HO Scale

Body mount centerset coupler gear box mounting height.

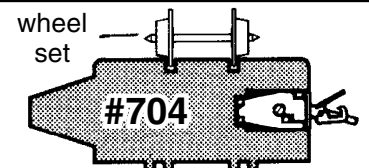


### HOn3 Scale

Body mount gear box mounting height.



## Wheel Gauge

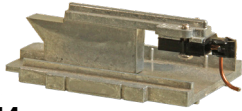


# Coupler Height Gauges

- 1) Provides instant visual reference of proper coupler height.
- 2) Gauges car underbody height from the rail.
- 3) Gauges track width (N.M.R.A. Standard).
- 4) Gauges wheel width (N.M.R.A. Standard).
- 5) Gauges proper height of trip pin.
- 6) #811 Uncoupler Mounting Jig. (#812 only)



**S-Scale**



**#814**

**On3-Scale**



**#813**

**O-Scale**

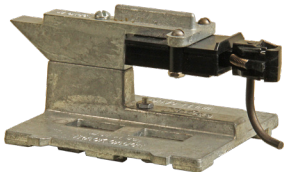


**#812**



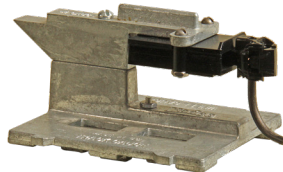
Made in the  
U.S.A.

**#1-Scale**



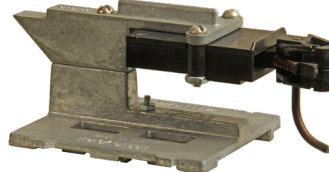
**#829 Original Style Coupler**

**#1-Scale**



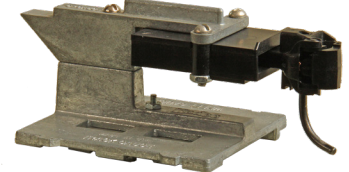
**#1929 AAR Type "E" Coupler**

**G-Scale**



**#880 Original Style Coupler**

**G-Scale**

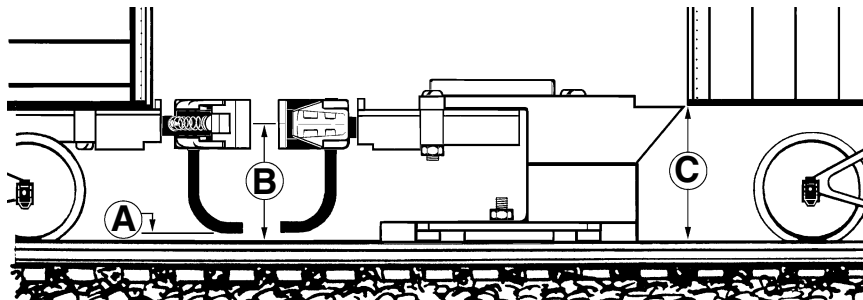


**#980 AAR Type "E" Coupler**

## Using Your Coupler Height Gauge

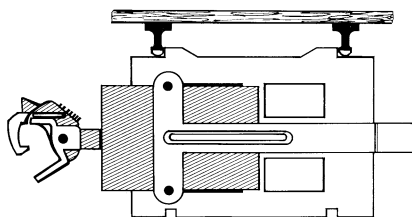
The coupler height gauge is one of the most important tools you will use for proper coupler function and performance.

### Check Coupler Height, Trip Pin Clearance & Body Mounting



- (A)** Trip pin clearance.  
(S, On3 & O-Scale 0.0625" (1/16"), (#1 & G-Scale 0.125" (1/8)).
- (B)** Railtop to coupler centerline.  
(S-Scale 0.531" (17/32"), (On3-Scale 0.562" (9/16"), (O-Scale 0.687" (11/16"), (#1-Scale 1.0625" (1 1/16"), (G-Scale 1.125" (1 1/8)).
- (C)** Railtop to body mounting surface.  
(S-Scale 0.594" (19/32"), (On3-Scale 0.625" (5/8"), (O-Scale 0.781" (25/32"), (#1-Scale 1.203" (1 13/64"), (G-Scale 1.300" about (1 19/64").

**Track  
Gauge**



**Wheel  
Gauge**

