

# Ingersoll Rand Handling Systems

## Suspension Kits (No. 16360 and 16460)

### Balance-Air® Top Hook Assemblies with Safety Cable

**⚠ WARNING**

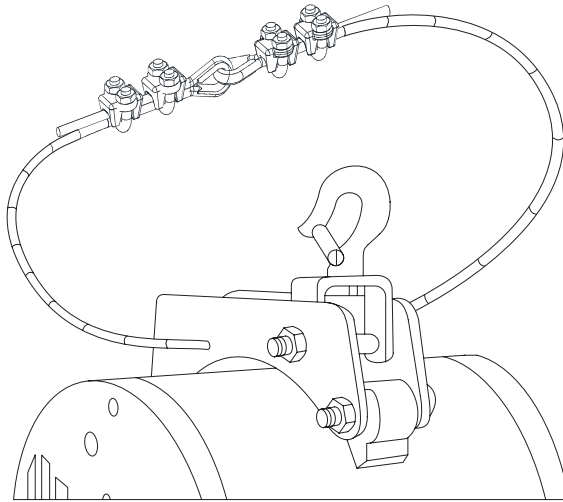
Top Hook Suspension Kits are for use with customer supplied trolley or a stationary mount with adequate capacity to support Balancer and its maximum rated load.

**⚠ CAUTION**

A safety cable assembly is provided with each kit and must be installed as in the figure below. Insert safety cable through two (2) holes in Mounting Brackets and through eye of trolley, etc., and clamp securely. Be sure cable thimbles and clamps are properly installed and nuts are torqued to 7.5 ft-lb.

#### Assembly of Top Hook Suspension Kits

1. Place Balancer on clean sturdy work surface.
2. Insert two (2) No. 17025 bushings in lugs on Balancer Housing, position No. 17505 or No. 17012 brackets on both sides of housing lugs and insert two (2) No. 17047 screws through holes in brackets and lugs with bushings. Thread on two (2) No. 17060 locknuts and **Tighten**.  
**Note:** On 10" diameter Balance-Air, No. 17012 mounting brackets must be properly positioned to allow unit to hang in correct attitude. Upper holes are spaced 2-1/2" from one end and 3" from other end of bracket. For 200 lb. capacity unit, the brackets must be placed with ends having hole 2-1/2" from end, **toward cable guide**. For 350 lb. and 500 lb. capacity unit, the brackets must be placed with ends having hole 3" from end, **toward cable guide**.
3. Slide clevis of No. 17010 top hook between brackets and position at holes nearest balancer cable guide. Insert one (1) No. 17047 screw through holes in brackets and clevis. Thread one (1) No. 17060 locknut onto screw and **Tighten**.
4. Install No. 10096 safety cable with (2) No. 10210 thimbles and four (4) No. 10230 cable clamps as shown in drawing.



#### Kit Includes:

| Part Number    | Part Description            | Qty. | Part Number | Part Description  | Qty. |
|----------------|-----------------------------|------|-------------|-------------------|------|
| 17505 or 17012 | Mounting Bracket            | 2    | 17060       | Locknut - 9/16-18 | 3    |
| 17010          | Top Hook Assembly           | 1    | 10096       | Safety Cable      | 1    |
| 17025          | Bushing                     | 2    | 10230       | Cable Clamp       | 4    |
| 17047          | Screw - 9/16-18 x 3.00 Hex. | 3    | 10210       | Thimble           | 2    |



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## Parts and Maintenance

When the life of the tool has expired, it is recommended that the tool be disassembled, degreased and parts be separated by material so that they can be recycled.

Tool repair and maintenance should only be carried out by an authorized Service Center.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

Manuals can be downloaded from [www.irttools.com](http://www.irttools.com).