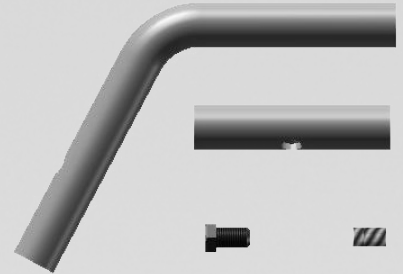
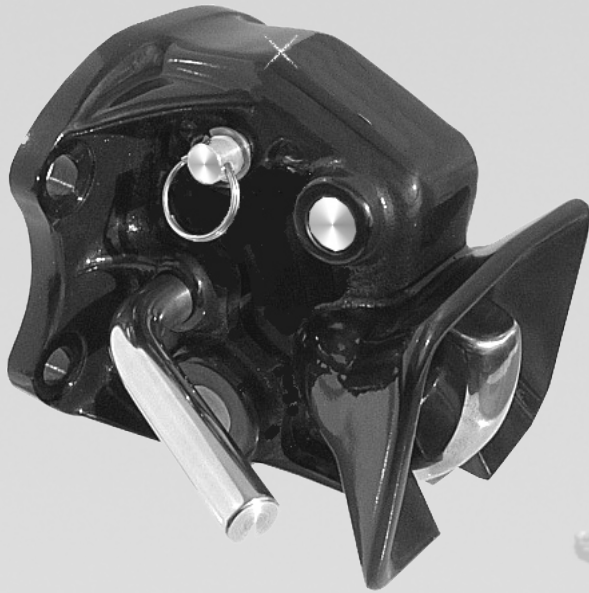




OPERATIONS, PARTS & MAINTENANCE MANUAL



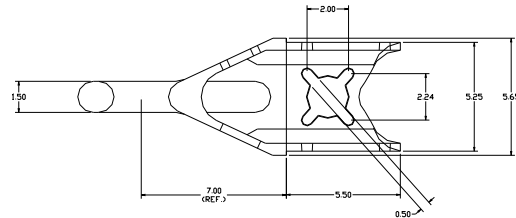
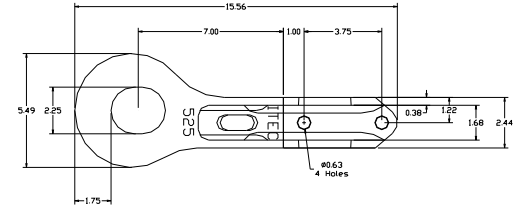
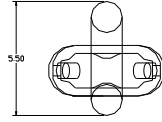
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DRAWBAR EYES



I.T.E.C. 525 Eye



*Use Wear Gages 475525H & 475525V:(see page 2) To determine eye wear limits.

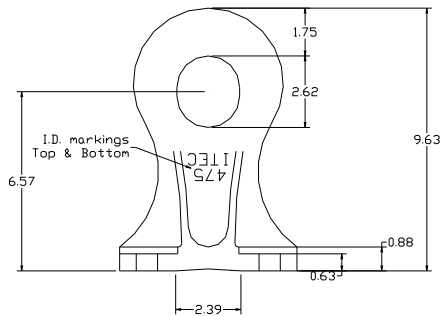
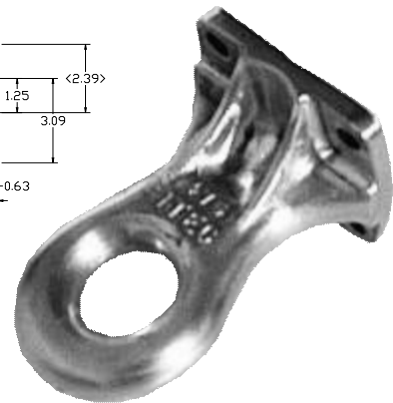
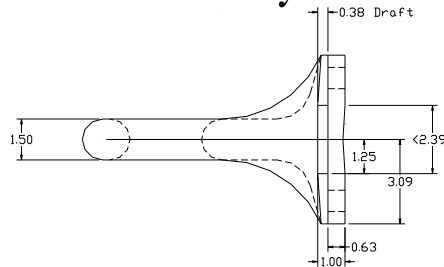
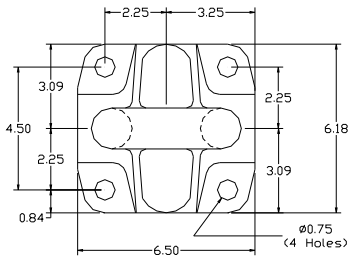
Important Guidelines that apply to ITEC Bolt-On Drawbar Eyes

- ITEC 525 Eye to be used only with the ITEC 600d Coupler Hitch
- Never attempt weld repair of damaged or worn drawbar eyes
- Clean and inspect drawbar eyes and eye assemblies for damage or excessive wear before each and every use
- Do not apply lubricants to the drawbar eye loop
- Structure to which eye is attached must be of sufficient strength to withstand load rating of eye
- Do not bind-up (Jackknife) any application as stresses can cause damage to products or components, resulting in failure and detachment of the trailer while in use

SPECIFICATIONS

Maximum Gross Trailer Weight:	90,000 lbs. (40,823 kg)
Maximum Tongue Weight:	22,000 lbs. (9,072 kg)
Inside Diameter:	2.25 in. (57 mm)
Unit Weight:	18 lbs. (8.2 kg)

I.T.E.C. 475 Eye



*Use Wear Gages 475525H & 475525V:(see page 2) To determine eye wear limits.

Important Guidelines that apply ITEC Bolt-On Drawbar Eyes

- ITEC 525 Eye to be used only with the ITEC 600d Coupler Hitch
- Never attempt weld repair of damaged or worn drawbar eyes
- Clean and inspect drawbar eyes and eye assemblies for damage or excessive wear before each and every use
- Do not apply lubricants to the drawbar eye loop
- Structure to which eye is attached must be of sufficient strength to withstand load rating of eye
- Do not bind-up (Jackknife) any application as stresses can cause damage to products or components, resulting in failure and detachment of the trailer while in use

SPECIFICATIONS

Maximum Gross Trailer Weight:	90,000 lbs. (40,823 kg)
Maximum Tongue Weight:	22,000 lbs. (9,072 kg)
Inside Diameter:	2.25 in. (57 mm)
Unit Weight:	18 lbs. (8.2 kg)



DRAWBAR EYES IMPORTANT SAFETY INFORMATION

IMPORTANT SAFETY INFORMATION

Maintain adequate vertical (tongue) load to adequately control the trailer (generally 10%), but do not exceed the capacity ratings. This equipment must not be used or maintained in a careless manner.

DURING OPERATION

1. Be sure the eye is compatible with the coupling device on the tow vehicle.
2. Do not damage the coupling components. Be particularly careful during coupling and uncoupling.
3. Inspect the coupling device on the tow vehicle for proper operation.
4. Do not use any coupling device that does not operate properly.
5. Do not modify or add to the product.
6. Wear safety goggles during installation and removal.
7. Never strike any part of the item with a steel hammer.

525 & 475 Eye Wear Inspection Areas

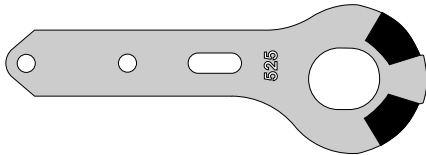


Fig. 3

WEAR AREAS
(Shown in Black)

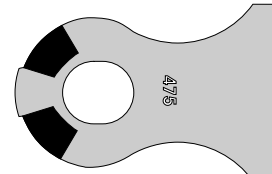


Fig. 4

Regular inspection and maintenance, are essential for proper function, keeping repair costs to a minimum and above all, safe and efficient operation. To determine wear limits, ITEC created Wear Gages that help judge the useful life of drawbar eyes. In accordance with ITEC and the Federal Motor Carrier Safety Regulations, these were designed to identify wear at the critical wear areas, by measuring the cross-section of the drawbar eye loops. Excessive wear indicates that the product should be replaced as soon as possible. If wear is past the Out-Of-Service line the eye must be taken Out-Of-Service immediately and replaced.

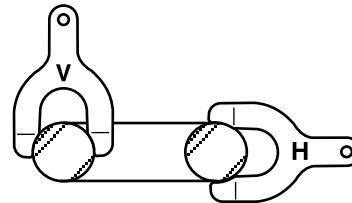


Fig. 5

FRONT SECTIONAL VIEW

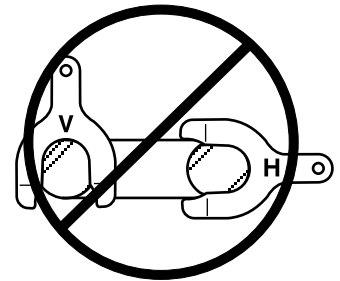


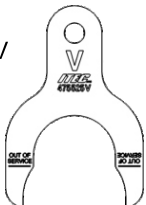
Fig. 6

OUT-OF-SERVICE

Applying Wear Gages to ITEC Drawbar Eyes:

- 1) Make certain the correct gage is being used (see Figure 5). The eyes have different original top to bottom versus side to side cross-sectional thicknesses.
- 2) Once the proper gage is identified, place the gage over the center part of the wear area (see Figures 3 & 4). Two different gages are needed, test the gages only in their appropriate direction.
- 3) If the gage passes the Out-Of-Service-Line and/or bottoms-out at (see Figure 6) any time during the test, the drawbar eye must be considered Out-Of-Service and is NOT to be used.

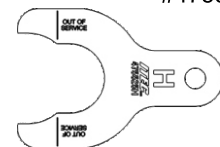
#475525V



Wear Gages

To determine wear limits, ITEC created Wear Gages that help judge the useful life of drawbar eyes. Available as a complete kit or individually, these gages are easy to use and are a must for maintenance managers and safety personnel.

#475525H





600d COUPLER



Designed specifically for C-Dollies & H-Dollies, ITEC's newest Drop Pintle style coupling has all the features you'll need. Strong hook for maximum wear resistance, secure double-locking latch system, visual safety pin for added security and a large shroud for easier coupling. **NOT to be used for A-Dolly applications in conjunction with other manufacturer's eyes.**

*Use 501-B Pintle Pin Hole Gage & 501-A Slack Gage: To determine coupler wear limits.

Important Guidelines that apply to ITEC 600d Coupler

- ITEC 600d Coupler to be used only with the ITEC 475 & 525 Eyes
- Do not weld on any coupling assembly
- Clean and inspect coupling assemblies for damage or excessive wear before each and every use
- Do not apply lubricants to the Pintle
- Always use Grade-8 fasteners properly torqued to S.A.E. specs
- Lubricate all coupling components at a minimum of 90 day intervals
- Do not bind-up (Jackknife) any application as stresses can cause damage to products or components, resulting in failure and detachment of the trailer while in use

ORDERING INFORMATION

Coupling:

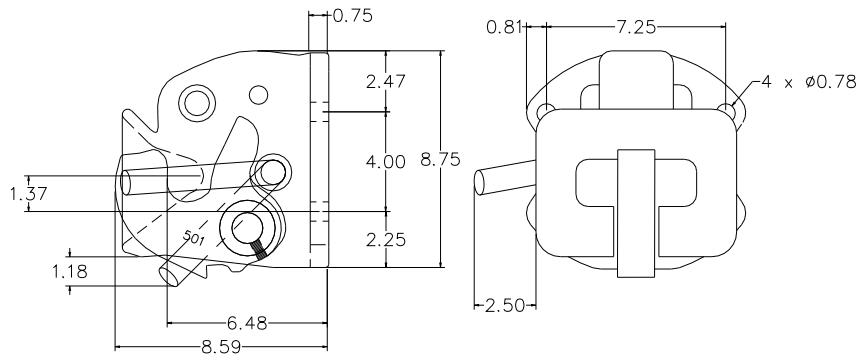
- 600dL / 600dR

- Wear Gage 501-B Pintle Pin Hole Gage (page 4): To determine Pintle Pin Hole wear limits.
- Slack Gage 501-A Slack Gage (page 4): To determine worn locking components.

SPECIFICATIONS

Maximum Gross Trailer Weight:	90,000 lbs. (40,823 kg)
Maximum Tongue Weight:	22,000 lbs. (9,072 kg)
Upward Vertical Capacity:	22,000 lbs. (9,072 kg)
Unit Weight:	56 lbs. (25.4 kg)

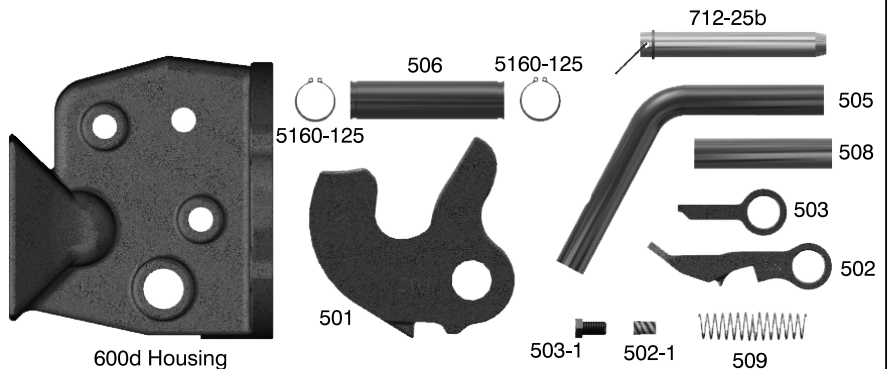
DRAWING DETAIL



REPLACEMENT PART INFORMATION

600d Parts Available:

- ITEC 501: Pintle
- ITEC 502: Locking Bar
- ITEC 503: Release Lever
- ITEC 505: Handle
- ITEC 506: Pintle - Pin
- ITEC 712-25b: Safety Pin
- ITEC 508: Pin - Locking Bar
- ITEC 509: Spring - Locking Bar
- ITEC 503-1: Hex Bolt - Release Lever
- ITEC 502-1: Set Screw 7/16-20 x 50
- ITEC 600d Housing: Housing
- ITEC 5160-125: Snap Ring H.D.





600d COUPLER IMPORTANT SAFETY INFORMATION

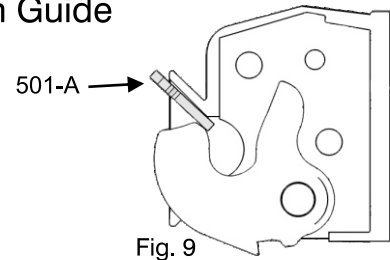
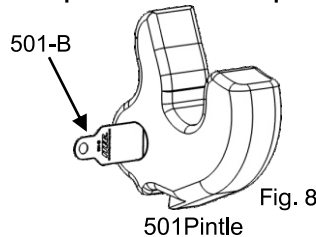
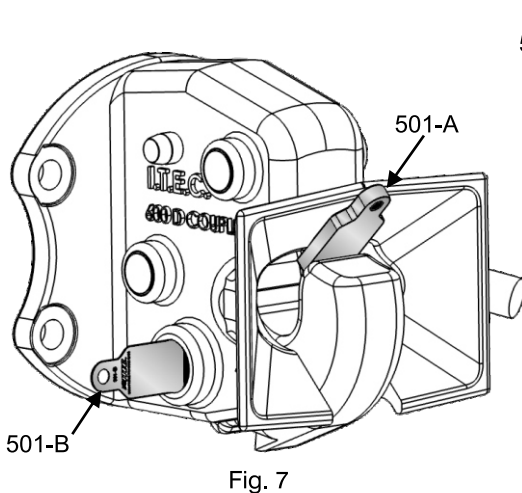
IMPORTANT SAFETY INFORMATION

Maintain adequate vertical (tongue) load to adequately control the trailer (generally 10%), but do not exceed the capacity ratings. This equipment must not be used or maintained in a careless manner.

DURING OPERATION

1. Be sure the drawbar eye is compatible with the coupling device on the tow vehicle.
2. Do not damage the coupling components. Be particularly careful during coupling and uncoupling.
3. Inspect the coupling device on the tow vehicle for proper operation.
4. Do not use any coupling device that does not operate properly.
5. Do not modify or add to the product.
6. Wear safety goggles during installation and removal.
7. Never strike any part of the item with a steel hammer.

ITEC 600d Coupler Wear Inspection Guide



Regular inspection and maintenance, are essential for proper function, keeping repair costs to a minimum and above all, safe and efficient operation. To determine wear limits, ITEC created Wear Gages that help judge the useful life of ITEC 600d. In accordance with ITEC and the Federal Motor Carrier Safety Regulations, these were designed to identify wear at the critical wear areas, by measuring the 501 Pintle hole in the ITEC 600d housing and the 501 Pintle. Excessive wear indicates that the product must be taken Out-Of-Service immediately and replaced.

Testing the 600d Housing and the 501 Pintle Pin Hole:

- 1) Make certain the correct gage is being used (see Figure 7 & 8) check the hole on both sides of housing and the 501 Pintle (see Figure 7). If the "501-B Pintle Pin Hole Gage" fits in the 600d Housing Pintle Pin Hole or the 501 Pintle as shown in Figures 7 & 8 the unit must be taken Out-Of-Service immediately and worn parts replaced.

Testing the Slack Gage on the ITEC 600d Coupler:

- 1) ITEC 600d Coupler has the same Out-Of-Service criteria with respect to the slack gap. It may not exceed 3/8" (see Figure 7 & 9).
- 2) When the coupler is in the locked closed position (see Figure 7), attempt to fit the 3/8" Slack Gage between the top of the pintle and the 600d Housing as shown in Figures 7 & 9.
- 3) The coupler is to be considered Out-Of-Service and NOT to be used if the 3/8" Slack Gage passes between this region. The latch components including the ITEC 502 - Locking Bar (see page 3) are considered worn past their safe limits and must be replaced before being used.



Wear Gages

To determine wear limits, ITEC created Wear Gages that help judge the useful life of the 600d Coupler. Available as a complete kit or individually, these gages are easy to use and are a must for maintenance managers and safety personnel.

