

770 Air Adjusted Coupling



Similar to our 570 (page 19), the 770 also offers a low profile and strong latching system. This coupling uses a rear mount air chamber and a slightly different mounting pattern than our 570. This coupling must be used with an air service chamber.

ORDERING INFORMATION

Coupling Only:

- 770

Standard Installation Kit:

- **770A:** 770 Coupling, 505 Bolt Kit, 281 Air Chamber, 467F Air Chamber Adapter Bracket, 271 Thimble

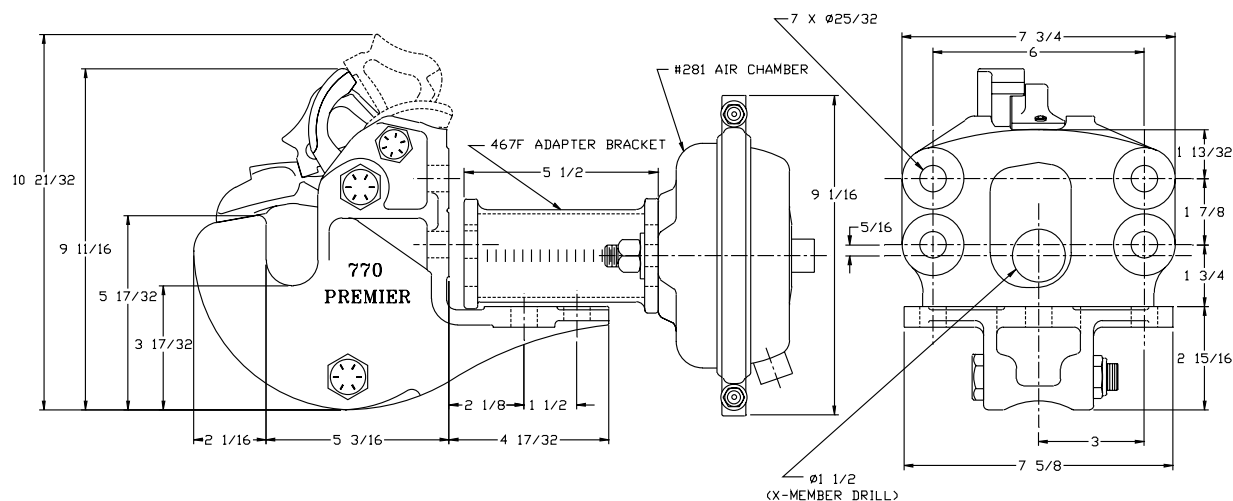
Optional Accessories:

- **Air Chamber 282 Type-30 (page 67):** Provides a larger diaphragm for greater shoe force compared to 281 Air Chamber.
- **Thimbles (page 67):** 271B (4 3/8 in. / 111 mm), 271C (5 1/2 in. / 140 mm)
- **Drawbar Guides 378 (page 66):** Helps guide drawbar eye into coupling.
- **Latch Gage 14026 (page 66):** To determine latch gap limit.

SPECIFICATIONS

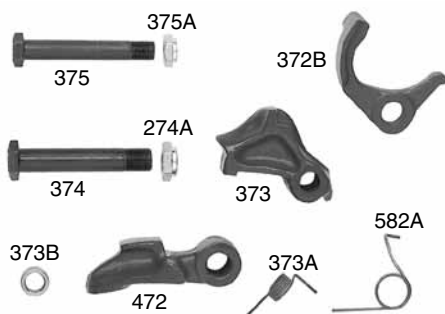
Maximum Gross Trailer Weight:	90,000 lbs.	(40,823 kg)
Maximum Tongue Weight:	18,000 lbs.	(8,164 kg)
Ultimate Latch Capacity:	20,000 lbs.	(9,071 kg)
Maximum Eye X-Section:	1 13/16 in.	(46 mm)
Minimum Eye Opening:	2 3/8 in.	(60 mm)
Unit Weight:	33.2 lbs.	(15.0 kg)

STANDARD INSTALLATION DRAWING



Pushrod length is 4 5/8 in. (117 mm) plus thickness of mounting structure for standard installations as illustrated.

REPLACEMENT PART INFORMATION



370PK Parts Kit Includes:

274A: Locknut	582A: Spring
372B: Locking Pawl	*266: Spring
373: Pawl: Thimble	*271: Thimble
373A: Spring	*274: Bolt
373B: Spacer	*274A: Locknut
374: Bolt	*279: Shoe
375: Bolt	
375A: Locknut	
472: Latch	

*Not included in parts kit, available individually.

IMPORTANT GUIDELINES that apply to all Premier Air Adjusted Couplings

- Do not weld on any coupling assembly
- Always use Grade-8 fasteners properly torqued
- Do not apply lubricants to the coupling hook
- Air service chamber must be Type-24 or Type-30 with 90-120 PSI air supply
- Clean & inspect coupling for damage & excessive wear prior to each and every use
- 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

