

270 Air Adjusted Coupling



Like our 2200, our 270 also offers the most popular bolt mounting pattern in the industry. Low profile, wear resistant Premalloy and easy quick latching are features that have made the 270 standard with fleets around the world. This coupling must be used with an air service chamber.

ORDERING INFORMATION

Coupling Only:

- 270

Standard Installation Kit:

- **270A:** 270 Coupling, 501 Bolt Kit, 281 Air Chamber, 267 Air Chamber Adapter Bracket, 271 Thimble

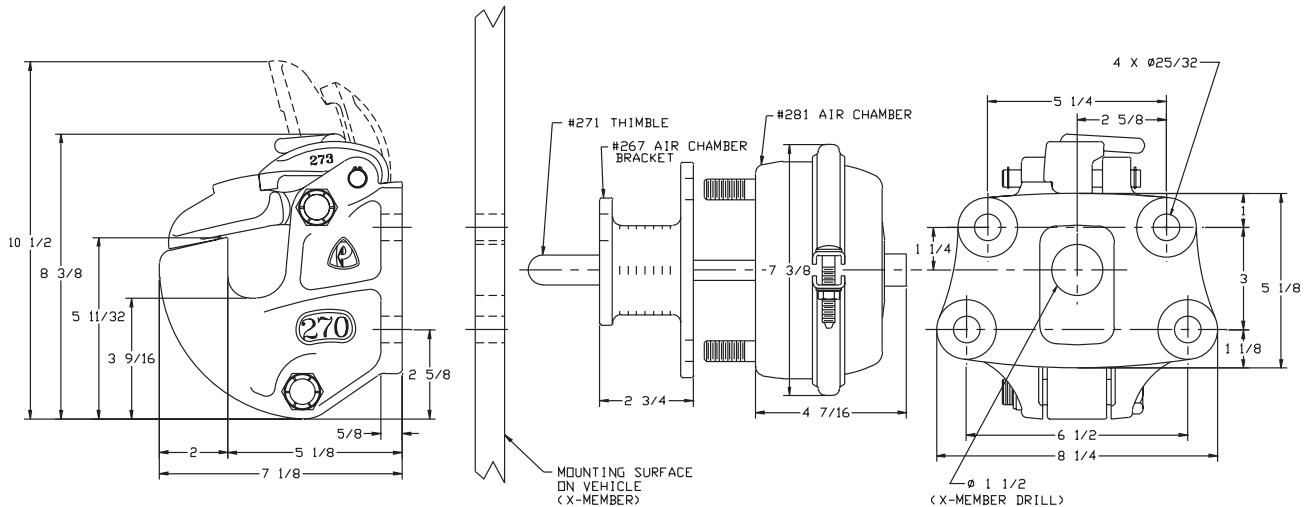
Optional Accessories:

- **Air Chamber 282 Type-30 (page 76):** Provides a larger diaphragm for greater shoe force compared to 281 Air Chamber.
- **Air Chamber Brackets (page 76):** 267H (3/4 in. / 19 mm), 267F (4 5/8 in. / 117 mm)
- **Thimbles (page 76):** 271B (4 3/8 in. / 111 mm), 271C (5 1/2 in. / 140 mm)
- **Drawbar Guides 378M (page 75):** Helps guide drawbar eye into coupling.
- **Wear Gage 14011 (page 75):** To determine hook wear limits.
- **Latch Gage 14026 (page 75):** 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:	12,000 lbs.	(5,443 kg)
Maximum Eye X-Section:	1 13/16 in.	(46 mm)
Minimum Eye Opening:	2 3/8 in.	(60 mm)
Unit Weight:	26.3 lbs.	(11.9 kg)

STANDARD INSTALLATION DRAWING

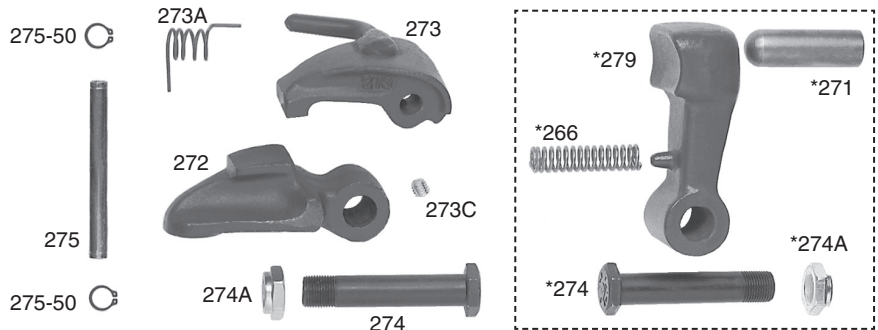


Pushrod length should be 3 5/8 in. (92 mm) plus thickness of mounting structure for standard installations as illustrated.

REPLACEMENT PART INFORMATION

270PK Parts Kit Includes:

- | | |
|-----------------------|----------------|
| 272: Latch | *266: Spring |
| 273: Pawl | *271: Thimble |
| 273A: Spring | *274: Bolt |
| 273C: Set Screw | *274A: Locknut |
| 274: Bolt | *279: Shoe |
| 274A: Locknut | |
| 275: Pin | |
| 275-50: Snap Ring (2) | |



*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

