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Installation Instructions

Anvil Fig. 312N Tapered Pin





ASC
Engineered Solutions

PE-217-312

Rev. 3

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**INSTALLATION INSTRUCTIONS FOR
FIG. 312N TAPERED PIN**

**INSTALLATION INSTRUCTIONS
FOR
FIG. 312N TAPERED PIN**

INSTALLATION INSTRUCTIONS FOR FIG. 312N TAPERED PIN

I.0 SCOPE

- 1.1 The following details the procedure to be followed for the proper installation of the Fig. 312N tapered pin.
- 1.2 These instructions cover both the slotted hex nut/cotter pin and jam nut configuration

2.0 INSTALLATION INSTRUCTIONS - Slotted Hex Nut & Cotter

- 2.1 Remove original pin, retainers, and spacer washers. Retain spacer washers for reinstallation or provide new spacer washers. Discard pin and retainers.
- 2.2 Remove slotted hex nut and washer; loosen and remove sleeve from pin.
- 2.3 Align hole in spherical bearing with rear bracket lug holes. Install sleeve and spacer washers, insuring that sleeve is in full contact with holes in rear bracket lugs (see Figure 2).
- 2.4 Install pin and attach washer and slotted hex nut.
- 2.5 Adjust pin sleeve assembly by turning slotted hex nut until spherical bearing will not slide along sleeve. Insure that the spherical bearing is centered, approximately, between rear bracket lugs.
- 2.6 Install cotter pin, slightly turning slotted hex nut in either direction, as required, to allow insertion of cotter pin in first available hole.

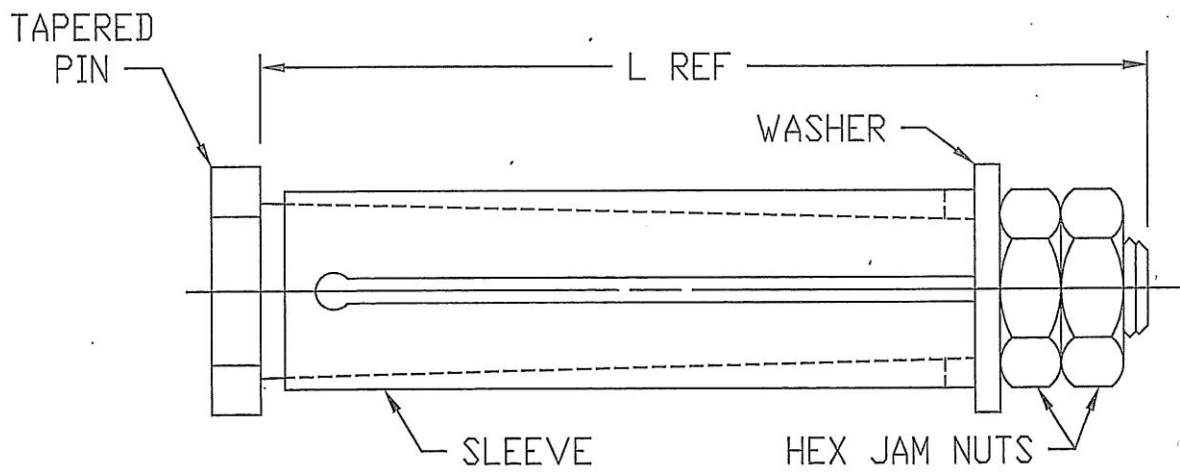
INSTALLATION INSTRUCTIONS FOR FIG. 312N TAPERED PIN

3.0 INSTALLATION INSTRUCTIONS - Jam Nuts

- 3.1 Remove original pin, retainers, and spacer washers. Retain spacer washers for reinstallation or provide new spacer washers. Discard pin and retainers.
- 3.2 Remove the two jam nuts and washer; loosen and remove sleeve from pin.
- 3.3 Align hole in spherical bearing with rear bracket lug holes. Install sleeve and spacer washers, insuring that sleeve is in full contact with holes in rear bracket lugs (see Figure 2).
- 3.4 Install pin and attach washer and the first jam nut.
- 3.5 Adjust pin sleeve assembly by turning the jam nut until spherical bearing will not slide along sleeve. Insure that the spherical bearing is centered, approximately, between rear bracket lugs.
- 3.6 Attach second jam nut and tighten against first jam nut as a locking mechanism.

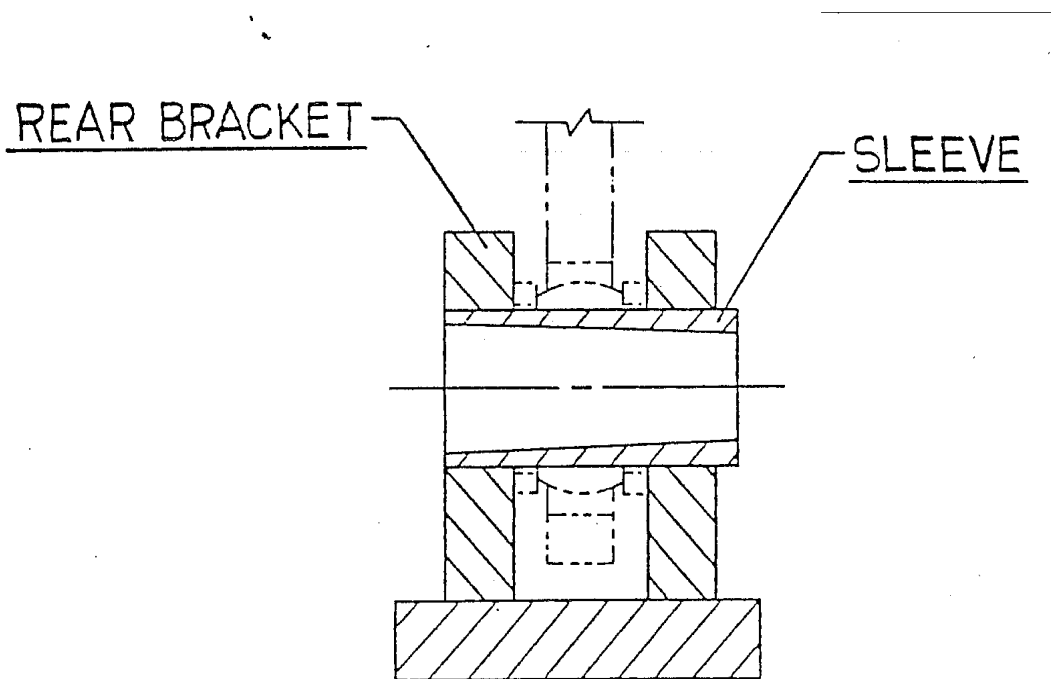
**INSTALLATION INSTRUCTIONS FOR
FIG. 312N TAPERED PIN**

Figure 1



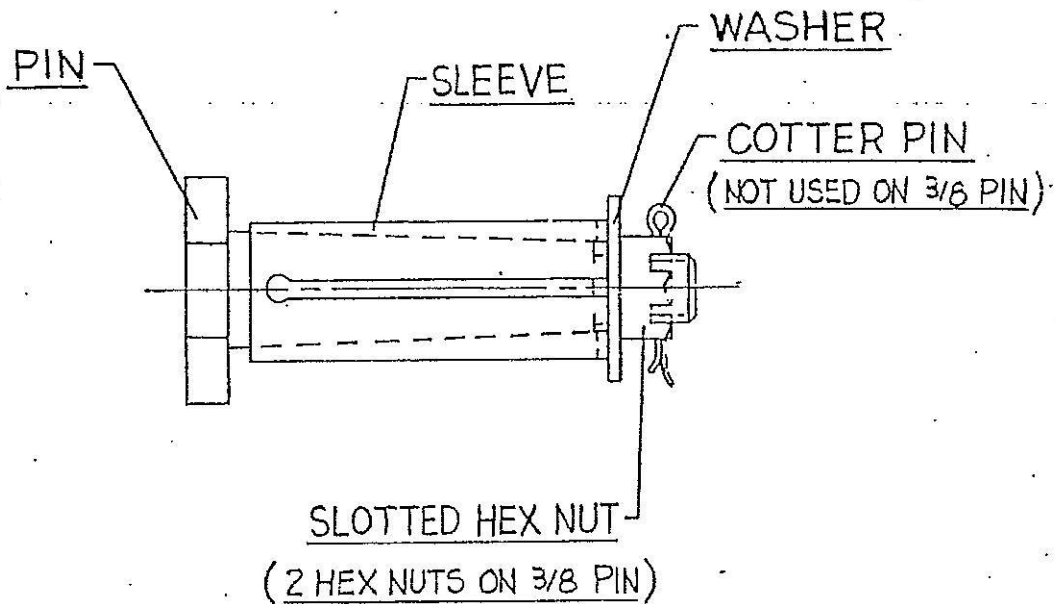
**INSTALLATION INSTRUCTIONS FOR
FIG. 312N TAPERED PIN**

Figure 2



**INSTALLATION INSTRUCTIONS FOR
FIG. 312N TAPERED PIN**

Figure 3



*Rev 3: Updated to reflect company name change from
Anvil International to ASC Engineered Solutions.*

About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With nearly 2,000 employees, the company’s portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF®, SprinkFLEX®, Trenton Pipe and VEP. With headquarters in Oak Brook, IL, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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