


## Fitting Guide for Twinset — hydraulic packing set for rods/glands & pistons


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**i** Twinset packing is self-sealing under system pressure and over-compression must be avoided. To avoid damage in transit, spring-loaded Twinset headers are often assembled upside down to the U-ring. Therefore, please ensure that the header ring is installed with the springs exposed.


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**1**  For Health & Safety reasons, shut down the hydraulic system before installing your new packing set. **Shut off power**


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**2**  Check the packing rings, gland housing and rod. Ensure that each ring is correct size for rod/gland, and housing is suitable for the packing set. **Check sizes of rings, rod & housing**

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**3**  Remove components of old seal, including header, then thoroughly clean the gland housing. **Completely remove old seal, and clean the housing**  
**i** Do not reuse old header as each header/U-ring set is matched.

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**4**  Lightly lubricate rings and housing with the hydraulic fluid prior to assembly. Occasional applications of a suitable lubricant to rods during service will prolong the life of the packing set. **Lubricate rings & housing**

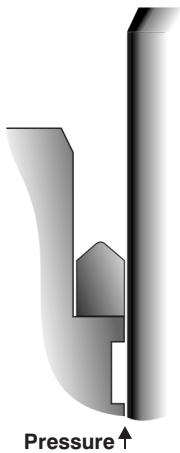
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### Rod/gland applications

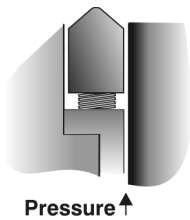
#### 5 Standard header ring



Insert header ring into the housing with flat face of ring facing the positive pressure. Push the ring to bottom of the housing.

**Insert header ring**

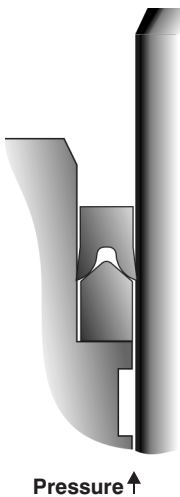
#### 5a Spring loaded header ring



Check that all springs are firmly in position. Then insert spring-loaded header ring into housing with springs facing the positive pressure. Push the ring to bottom of the housing.

**Check springs & Insert header ring**

#### 6



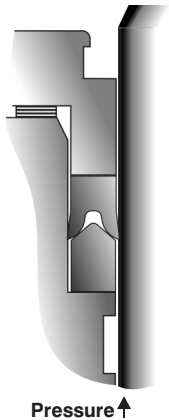
Fit U-ring snugly against the header ring, with lips facing the positive pressure. Ensure that lips do not turn or are otherwise damaged during assembly.

**Insert U-ring on top of header ring**

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### 7 For adjustable depth housings



Measure distance from packing set to face of cylinder, and measure length of gland follower spigot. Insert spacers between cylinder face and spigot so that, when follower is tightened down hard, the packing is just nipped.

**Insert spacers so packing is just nipped**

**i** Spacers ensure even compression and, with large up-stroking rams, relieve the packing of the gland's dead weight.

### 7a



If additional compression is needed to overcome leakage, remove some spacers.

**Remove spacers to overcome any leakage**

### 8 For non-adjustable depth housings

Where there is no adjustment for depth of housing, tighten the gland follower hard against the cylinder face.

**Tighten gland follower hard against cylinder face**

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### Piston head applications

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Push U-ring to bottom of housing with its lips facing positive pressure. Insert header ring so its domed face fits snugly between the lips of the U-ring. Ensure lips of U-ring do not turn or are otherwise damaged during assembly.

Adjust gland follower to ensure that Twinset assembly has slight float in the housing.

**Insert U-ring, then header. Adjust follower so Twinset floats slightly in housing**

**Material Safety Data Sheets are available on request**

**[www.jameswalker.biz](http://www.jameswalker.biz)**

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To ensure you are working with the very latest product specifications, please consult the relevant section of the James Walker website: [www.jameswalker.biz](http://www.jameswalker.biz).

CPC: Twinset Level 07 Am06 IA02(Rev 01 Alt 01) 180512