

Instructions for Installing a Field Attachable / Reusable Hose Fitting

3A3159G

EN

Used for dispensing oil, grease and lubricants.



Important Safety Instructions

Read all warnings and instructions in this manual.
Save all instructions.

Part No.:

Swivel Part No.	Swivel Description	Hose Part No.	Hose Length		Hose ID	Hose Pressure Rating	
			US (ft)	Metric (M)		US	Metric
128561 128562 133090	FITTING, swivel, hose, 1/8" ID #4JIC FITTING, swivel, hose, 1/8" ID 1/8 NPT FITTING, swivel, hose, 1/8" ID 1/8 NPT, SST	128570	200.0	61.0	1/8 inch	3000 psi	206.8 bar, 20.68 MPa
		128571	400.0	122.0			
		128677	250.0	76.0			
		128678	4.0	1.0			
		128679	82.0	25.0			
128563 128564 128565	FITTING, swivel, hose, 1/4" ID #4 JIC FITTING, swivel, hose, 1/4" ID 1/4 NPT FITTING, swivel, hose, 1/4" ID 1/8 NPT	128572	100.0	30.5	1/4 inch	2750 psi	189.6 bar, 18.96 MPa
		128573	125.0	38.0			
		128680	80.0	24.3			
		126681	110.0	33.5			
		128682	60.0	18.3			
		131164	500.0	152.5			
		130281	250.0	76.2			

Hose Fitting Union		Hose Part No.	Hose Length		Hose ID	Hose Pressure Rating	
Sleeve Part No.	Stud Part No.		US (ft)	Metric (M)		US	Metric
17L647	17L437 / 17L438	128574	\	\	1/8 inch	3000 psi	206.8 bar, 20.68 MPa
17L648	17L649 / 17L650 17R565 / 17R566	17S552	82	25	4 mm		
		17S553	164	50			
		17S554	328	100			
		17S555	656	200			

Hose and Fitting Assembly

Instructions

1. Refer to the Part No. tables provided on the cover of this manual to determine the correct swivel fitting or hose stud for your hose.
2. Inspect fitting through-holes, threads and hex for damage.

NOTE: For when using a swivel fitting, the swivel nut must turn freely.

3. Trim the end of the hose to ensure it is clean and straight (FIG. 1).

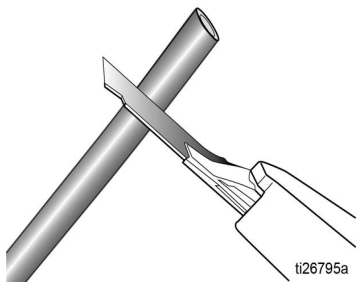


FIG. 1

4. Measure from the trimmed end of the hose (Step 3) to the length specified in the table below. Mark that distance on the hose.

Hose ID	Hose Measurement for Step 4	
	US	Metric
1/8 inch	0.49 ~ 0.51 inch	12.5 ~ 13.0 mm
1/4 inch	0.94 ~ 0.96 inch	24.0 ~ 24.5 mm
4 mm	0.67 ~ 0.69 inch	17 ~ 17.5 mm

5. Lubricate inside and outside of the hose end using SAE 20 lubricating oil.
6. Secure the hose in the hole in the vise block that is the closest fit for the hose to protect it when it is in the vise. Be sure there is a sufficient length of hose extending out of the block to install the hose sleeve.

NOTE: Vise block 127145 for 1/8 inch and 1/4 inch ID hoses is available from Graco. Contact your Graco distributor for additional information about this part.

A vise block specifically made for metric hoses is not available from Graco. However, vise block 127145 can be used with a metric sized hose. Select the hole size that is the closest fit for the hose.

NOTICE

Forcing the hose into the wrong sized hole or over-tightening the vise when clamping the hose can damage the hose. Take care to not crush or damage the hose.

7. Secure the vise block in a vise. The hose end should face upwards as shown in FIG. 2.

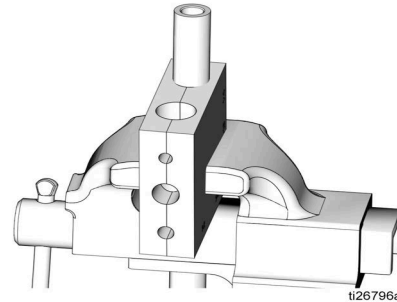


FIG. 2

8. Put the hose sleeve on the hose and hand-turn it counter-clockwise until tightened (FIG. 3).

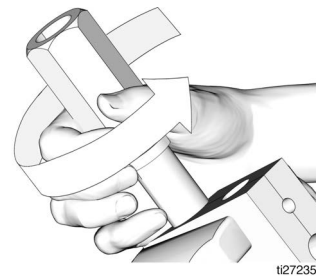


FIG. 3

9. Turn the hose sleeve slowly counter-clockwise with a tool until the bottom edge of the hose sleeve is aligned with the mark made on the hose (FIG. 4).

NOTE: The hose sleeve should be firm while tightening but not difficult to turn. If the hose sleeve is difficult to turn, reapply SAE 20 oil as necessary.

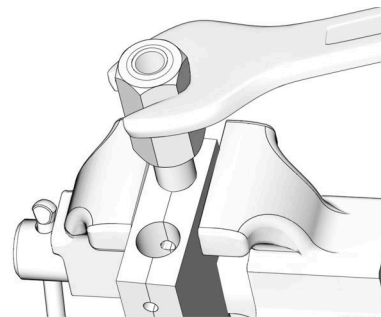


FIG. 4

10. Remove hose and vise block from vise.
11. Secure hex portion of hose sleeve in vise making sure enough of the hose sleeve extends beyond the vise to allow for swivel fitting or hose stud installation. Tighten vise just enough to secure the hose sleeve in the vise.

NOTE: Do not over tighten vise around hose sleeve hex.

12. Apply SAE 20 oil to the hose sleeve threads and inside of the hose to prevent damaging the hose core when force is applied during installation.
13. Install the swivel fitting (FIG. 5) or hose stud (FIG. 6). Use a wrench to turn the swivel fitting or hose stud clockwise until the bottom is touching the top surface of the hose sleeve.

NOTE: Take care to ensure the hose does not rotate in the hose sleeve when installing the swivel fitting or hose stud.

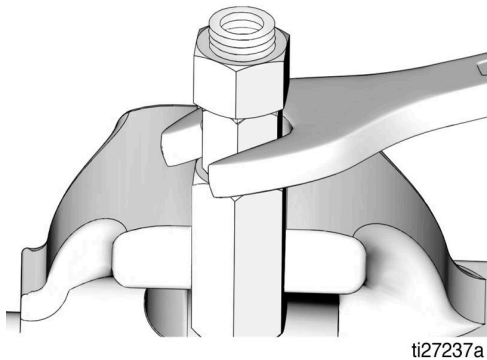
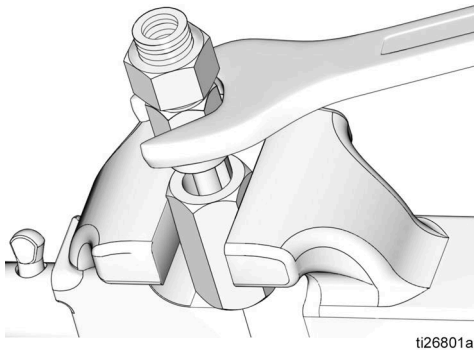
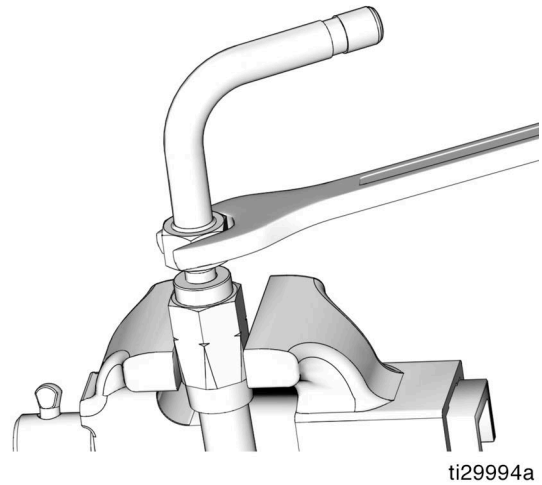


FIG. 5: Swivel Fitting Installation



OR

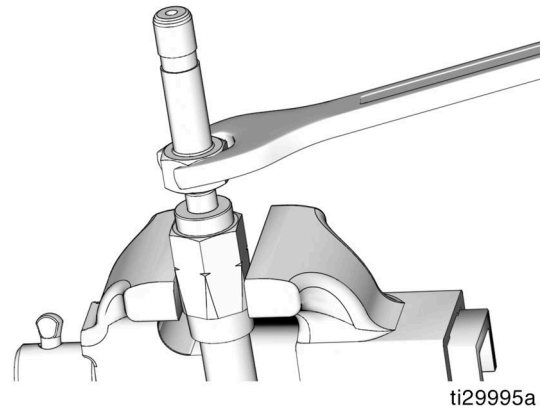


FIG. 6: Hose Stud Installation

NOTICE

Do not over tighten the fittings during final assembly. After the two fittings are securely connected, stop tightening the fittings. Over-tightening can damage the fittings and a new hose assembly will need to be made.

14. Measure the final assembled hose length to verify it is the desired length.



WARNING

SKIN INJECTION HAZARD

A hose that has been crushed or damaged in the vise may leak. High pressure fluid leaks will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. Get immediate surgical treatment.

To reduce the risk of skin injection when testing or using the hose assembly:

- Inspect each hose assembly for cuts or damage.
- Verify that the hose assembly has not been crushed or damaged in the vise.
- Do not use a damaged hose assembly.

15. Pressure test hose assembly and check for leaks.

California Proposition 65

CALIFORNIA RESIDENTS

 **WARNING:** Cancer and reproductive harm – www.P65warnings.ca.gov.

Graco Information

For the latest information about Graco products, visit www.graco.com.

For patent information, see www.graco.com/patents.

TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest distributor.

Phone: 612-623-6928 or Toll Free: 1-800-533-9655, Fax: 612-378-3590

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Original instructions. This manual contains English. MM 3A3159

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