

# Steering Head Kit



Part No. FA40245F

- **Multiple Steering Heads For Different Soil Conditions** •
- **Lubrication Fluid Is Ported To The Steering Head** •
- **Lubrication Fluid Flows Through Steering Head For Cooling** •



## FEATURES

- This kit includes the 30° (5" diameter) and the 45° (5" diameter) steering heads, steering head adapter, air and fluid connection adapter, steering head inner tube, and target holder. The steering head kit is stored in the Power Pack.
- Three optional steering heads are available: 30° (4" diameter), 30° (5.5" diameter) and bullet (5" diameter).
- Lubrication fluid is ported to the steering head opposite the angled face to lubricate the outside of the pilot tube as it is advanced.
- Lubrication fluid flows through passage in the steering head adapter to cool the target and steering head.
- Check valve located in the assembly prevents ground water from entering the fluid passage in the dual wall pilot tubes.
- Smooth body design reduces the jacking force during installation.
- The inner tube can be purged of air or fluid by way of a check valve, located at target holder, using a special adapter to pressurize the passage.
- Five steering heads are available for very soft, soft, medium density and very hard ground conditions.

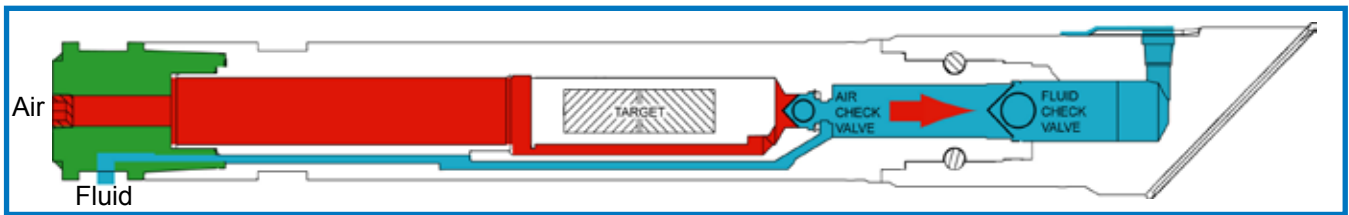
## SPECIFICATIONS

### Dimensions

30° SHead ...4 OD x 17.08 in. (102 OD x 434 mm)  
30° SHead ...5 OD x 17.08 in. (127 OD x 434 mm)  
30° SHead...5.5 OD x 17.08 in. (140 OD x 434 mm)  
45° SHead ...5 OD x 13.25 in. (127 OD x 337 mm)  
Bullet SHead ....5 OD x 15.87 in. (127 OD x 403 mm)  
SH Adapter..4.15 OD x 27.25 in. (105 OD x 692 mm)  
Air/Fluid Adapter...4.13 OD 5.13 in. (105 OD x 130 mm)

### Weight

Steering Head Kit ..... 155 lbs. (70 kg)  
30° (4") Steering Head ..... 40 lbs. (18 kg)  
30° (5") Steering Head ..... 50 lbs. (22.6 kg)  
30° (5.5") Steering Head ..... 60 lbs. (27 kg)  
45° Steering Head ..... 39 lbs. (17.7 kg)  
Bullet ..... 44 lbs. (20 kg)  
Steering Head Adapter ..... 44 lbs. (20 kg)  
Air/Fluid Connection Adapter . 12.5 lbs. (5.7 kg)



Area in blue illustrates the fluid path through the dual wall pilot tubes, around the target assembly, and out the porting in the steering head.

Area in red illustrates the air path through the inner tube of the dual wall pilot tube, around the target, and in the fluid cavity.

Area in green illustrates the air and fluid connection adapter. This adapter is installed on the last section of the pilot tube, to purge air through the inner tube for removing moisture from pipe, resulting in improved target viewing.



30° (5" Dia.) Steering Head (A40248A) For Soft Or Low Blow Count Soil Conditions



45° Steering Head (A40247A) For Medium Density Ground Conditions



30° (4" Dia.) Steering Head (A42706A) For Very Soft Or Unstable Soil Conditions



30° (5.5" Dia.) Steering Head (A40692A) For Medium Density Soil Conditions



"Bullet" Steering Head (A40249A) For Very Hard Or High Blow Count Ground Conditions



Steering Head Adapter and Housing for target includes a three inch hex connection for transfer of torque.



Double Pinned For Ease Of Changing Steering Heads