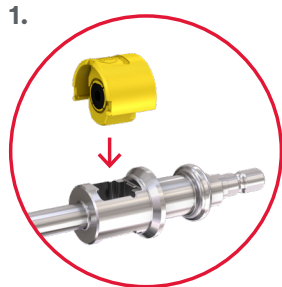


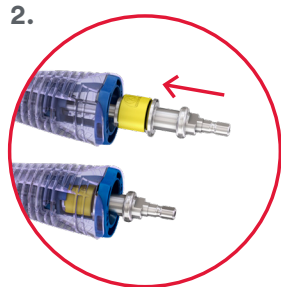
RIA 2

(Reamer Irrigator Aspirator)

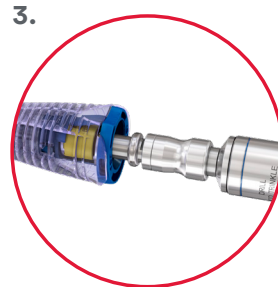
Assembly



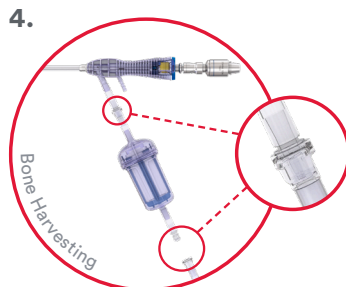
Insert Reaming Rod Seal



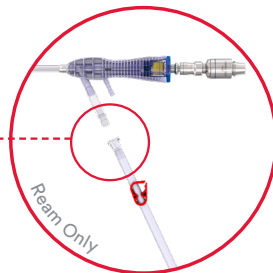
Insert Drive Shaft into Tube Assembly



Attach Drive Unit with Modified Trinkle coupling or Jacobs Chuck

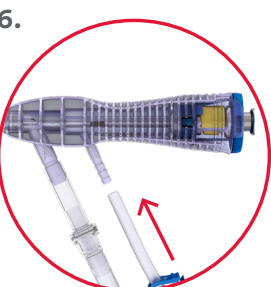


Attach Graft Filter and Aspiration Tube



Attach to suction canister and vacuum source

CAUTION:
ONLY use power equipment with DRILL setting with no more than 6 Nm of torque. DO NOT USE power equipment designed for reaming.



Attach Irrigation Tube to Irrigation Port



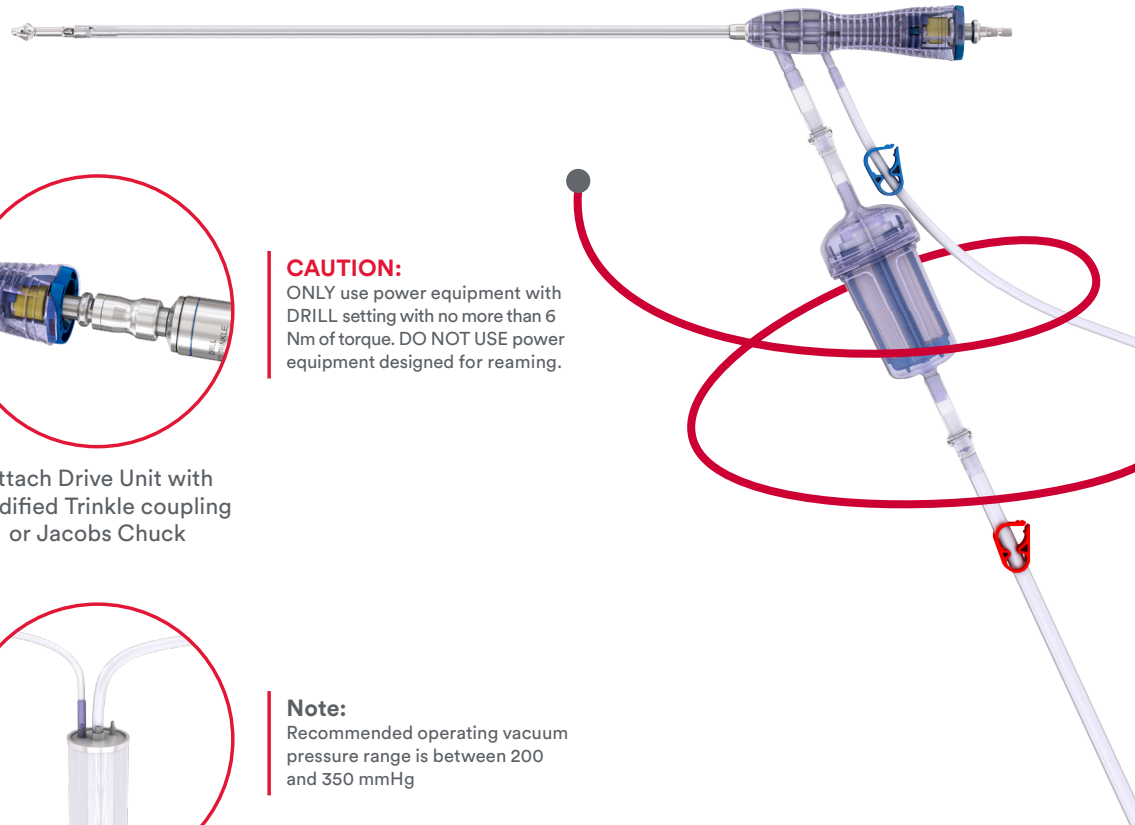
Attach Irrigation Tube to fluid bag*



Attach Reamer Head with Protection sleeve

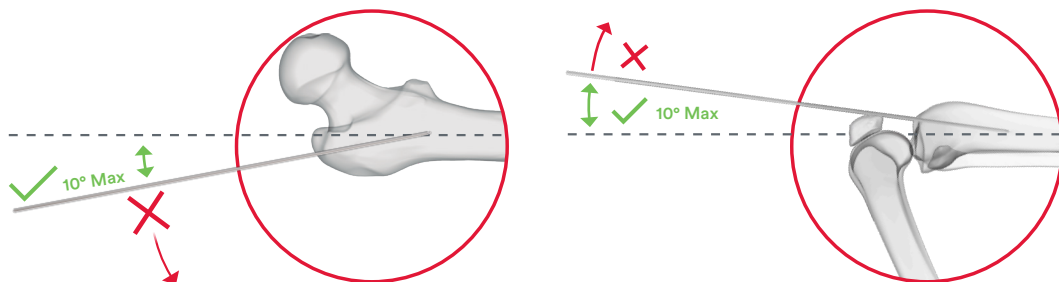
CAUTION:
Reamer Heads are extremely sharp. Use the provided Protective Sleeve to handle the Reamer Head.

*1-2 liters of irrigation fluid (Not provided by DePuy Synthes)



Ream

1. Open medullary canal using standard surgical technique



Note:

For an antegrade femoral approach, if possible, adduct the limb/hip to facilitate access to entry point. For greater trochanter entry point, target >2cm distal to the lesser trochanter.

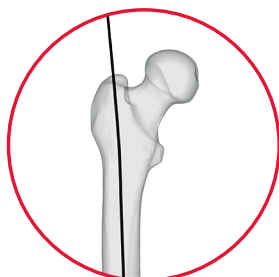
For an antegrade tibial approach, the knee will need to be flexed to 90° for entry site access. Insert the guide wire aiming down to the tibial crest, and thus the center of the medullary canal.

CAUTION:

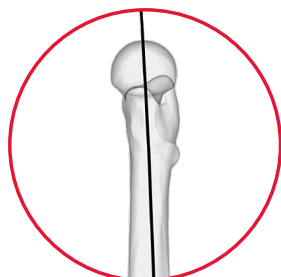
If the guide wire entry angle is greater than 10° from the axis of the canal, there is a risk that bowing of the reaming rod will result in:

- Eccentric reaming of the far cortex.
- Damage to the reamer head connection, resulting in metal fragments in the canal.

2. Insert Reaming Rod



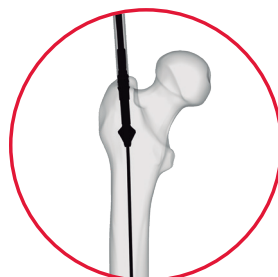
Proximal A-P View



Proximal Lateral View

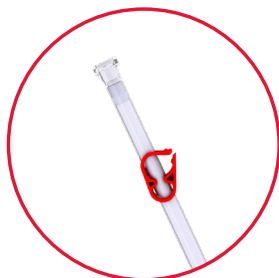
Note: Ensure the reaming rod is centered in the canal in both A-P and Lateral views.

3. Introduce RIA 2 system into medullary canal



Advance the RIA 2 System, without power, over the reaming rod until the Reamer Head is inserted into the entry point of the canal.

4. Ream using drill setting

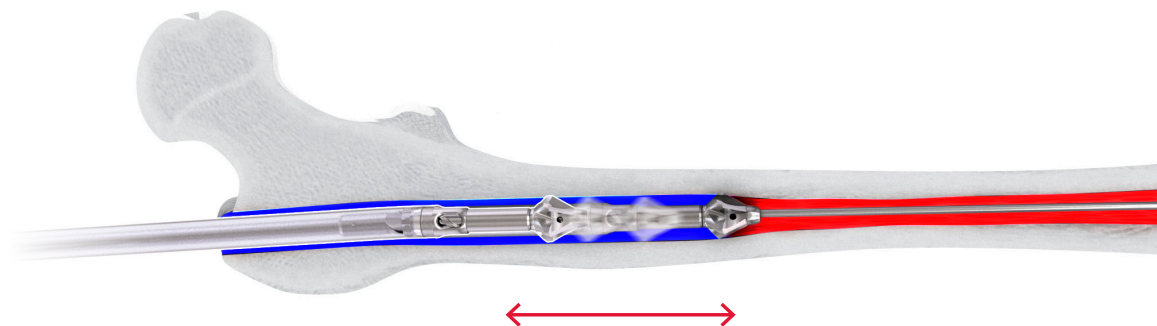


Ensure the clamps on Irrigation and Aspiration Tubes are open

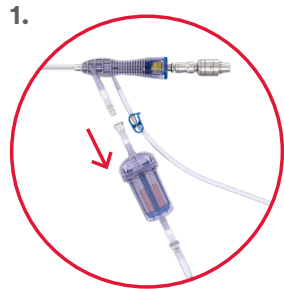
Using the power driver in drill setting, begin reaming under power, **slowly advancing the Reamer Head 20–30 mm and then retracting 50–80 mm**, allowing the irrigation fluid to flow in front of the Reamer Head. Advance the RIA 2 System until resistance is felt, then repeat the advance and retraction technique to continue.

Note:

Select a power drive unit that will deliver 3.5 Nm to 6.0 Nm of torque and 700 rpm to 900 rpm (standard drill speed). **Ensure drill setting is selected for the power driver.**



Extract bone graft



1. Disconnect and open the Graft Filter



2. Insert Graft Compressor and pull white inner sleeve to extract excess fluid



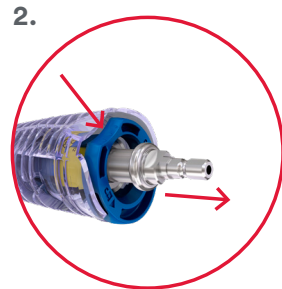
3. Pull white inner sleeve to extract graft



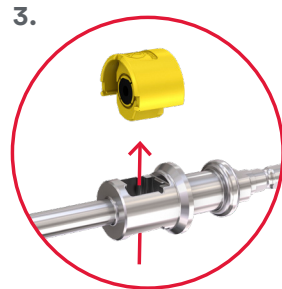
Disassembly



1. Remove Reamer Head



2. Remove Drive Shaft*



3. Remove Reaming Rod Seal



Note:
Do not dispose of Drive Shaft, this part should be sterilized and re-used

