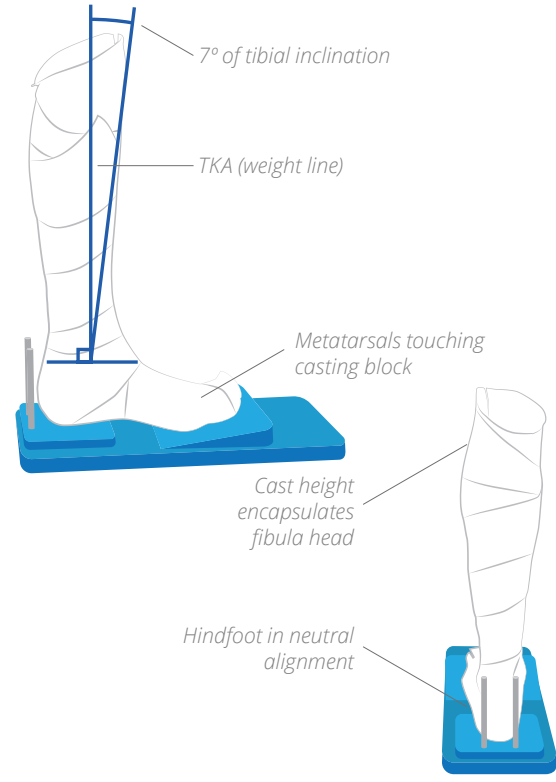
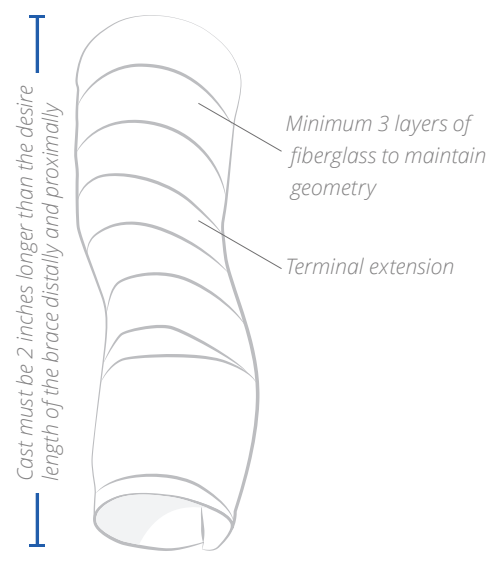


AFO, & KO Casting Instructions

| AFO Casting Guidelines | |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Medium | Fiberglass (recommended brands are C-Form from ST&G, Delta Conformable BSN, Delta Lite BSN and Össur Techform) |
| Recommended technique | <ul style="list-style-type: none"> • Dry casting (with fiberglass) • Use of a casting platform |
| Position | <ul style="list-style-type: none"> • Sitting in a chair • Using casting platform to replicate heel height and toe ramp (or another system allowing to replicate heel height and toe ramp) • Metatarsal touching the casting platform • Optimal sagittal alignment: correlates with heel height of the shoe (+/- 5° of the functional alignment) • Optimal coronal alignment: to represent biomechanical goals (+/- 3° of functional alignment) • Tibial inclination of 7° |
| Cast length | Mid-calf and captures all toes. |
| Cut strip | Anterior on the dorsum of the foot to transition laterally |
| Markings on the cast | <ul style="list-style-type: none"> • Fibula head, metatarsal heads, base of 5th metatarsal, navicular, medial and lateral malleoli, tibial crest, tibial tubercle • If applicable mark: deformity, scar tissue, and any other area of concern • Reference hash-marks on top of cutting strip. • Add name of patient and clinic on cast. |
| Rigidity/Thickness | A minimum of 3 layers of fiberglass throughout the cast from proximal to distal end |
| Tips | <ul style="list-style-type: none"> • Wait at least an hour before putting it in a box for shipping • Must remove stockinette • Use staples to seal the cast • Stuff the cast to maintain its structure during shipping • No webroll or compresso grip |



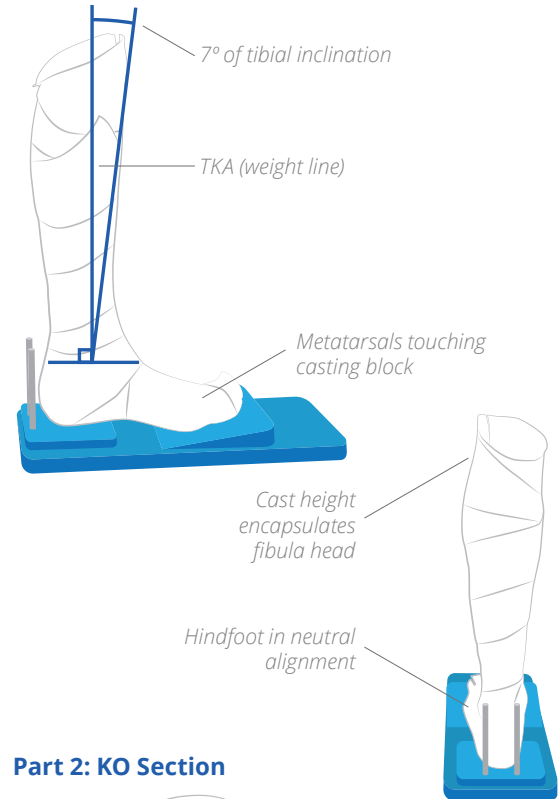
| KO Casting Guidelines | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Medium | Fiberglass (any brand) |
| Recommended technique | Traditional technique |
| Position | <ul style="list-style-type: none"> • Non-weightbearing • Sitting on the edge of a chair • Terminal extension • Foot in dorsiflexion: should naturally give a proper toe out |
| Cast length | Cast must be 2" longer than the desired length of the brace. |
| Cut strip | Posterior |
| Markings on the cast | <ul style="list-style-type: none"> • Fibula head, patella, medial & lateral condyle (+ if applicable: deformity, scar tissue, and any other area of concern). • Reference hash-marks on top of cutting strip. • Add name of patient and clinic on cast. |
| Rigidity/Thickness | A minimum of 3 layers of fiberglass throughout the cast from proximal to distal end |
| Tips | <ul style="list-style-type: none"> • Wait at least an hour before putting it in a box for shipping • Must remove stockinette • Use staples to seal the cast • Stuff the cast to maintain its structure during shipping • No webroll or compresso grip |



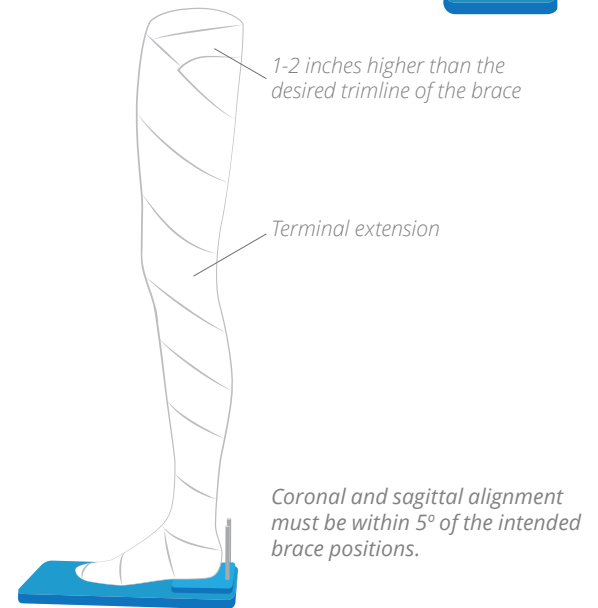
KAFO Casting Instructions

| KAFO Casting Guidelines | |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Medium | Fiberglass (recommended brands are C-Form from ST&G, Delta Conformable BSN, Delta Lite BSN and Össur Techform) |
| Recommended technique | <ul style="list-style-type: none"> • 2 stages dry casting (with fiberglass) • Use of a casting platform |
| Position | <p>AFO</p> <ul style="list-style-type: none"> • Sitting in a chair • Using casting platform to replicate heel height and toe ramp (or another system allowing to replicate heel height and toe ramp) • Metatarsal touching the casting platform • Optimal sagittal alignment: correlates with heel height of the shoe (+/- 5° of the functional alignment) • Optimal coronal alignment: to represent biomechanical goals (+/- 3° of functional alignment) • Tibial inclination of 7° • Leave the top 3" of the AFO section unsprayed. It will allow the two section to bond when you start the KO casting process. Allow it to cure and then start the KO section casting process. <p>KO</p> <ul style="list-style-type: none"> • Non-weightbearing • Sitting on the edge of a chair • Terminal extension • Coronal and sagittal alignment must be within +/- 5 degrees of the intended brace position* (*except in case of contracture) |
| Cast length | <p>AFO: mid-calf and captures all toes.</p> <p>KO: 2" taller than the desired length of the brace (proximally)</p> |
| Cut strip | Anterior on the dorsum of the foot to transition laterally |
| Markings on the cast | <p>KO section - outside of cast</p> <ul style="list-style-type: none"> • Fibula head, patella, medial & lateral condyle • If applicable mark: deformity, scar tissue, and any other area of concern <p>AFO section - Outside of the cast</p> <ul style="list-style-type: none"> • Fibula head, metatarsal heads, base of 5th metatarsal, navicular, medial and lateral malleoli, tibial crest, tibial tubercle • If applicable mark: deformity, scar tissue, and any other area of concern • Reference hash-marks on top of cutting strip. • Add name of patient and clinic on cast. |
| Rigidity/ Thickness | A minimum of 3 layers of fiberglass throughout the cast from proximal to distal end |
| Tips | <ul style="list-style-type: none"> • Wait at least an hour before putting it in a box for shipping • Must remove stockinette • Use staples to seal the cast • Stuff the cast to maintain its structure during shipping • No webroll or compresso grip |

Part 1: AFO Section



Part 2: KO Section



Casting tools available from Thuasne USA



Casting Platform



Shoe Calipers

KO, AFO, & KAFO
Casting Instructions
More Info >

