

# C-Brace.

## Casting checklist and contraindications.

*Please ensure each line item has been addressed and checked off.*

### General

743A9 Foot Casting Aid or similar was used.  
Casting assistant was present and corrected to optimal knee alignment.

### Impression Quality

Impression taken in anatomic neutral position and alignment.  
- If not, note fixed deformity on the C-Brace order form.  
Forefoot and hindfoot are aligned.  
Subtalar joint is in the neutral position.  
Forefoot ab/adduction is neutral.  
Ankle position accomodates the effective heel height and/or contracture/leg length discrepancy.  
If genu-recurvatum is present, was it reduced or neutral?  
If knee valgus/varus is present, was it reduced to maximum correction?  
Medial supracondylar compression is in line-of-progression of the knee.  
No hip abduction in cast.

### Measurements

C-Brace order form used.  
All measurements are recorded.  
• Recommended trim lines and cast heights  
• Medial cast height to the perineum, trim line 35 mm inferior to perineum.  
• Lateral cast height to proximal edge of trochanter, trim line to apex or distal edge of trochanter.  
• Posterior cast height to gluteal fold, trim line to gluteal fold or up to 12mm inferior.  
• Anterior cast height along inguinal ligament but below ASIS, trim line 12mm inferior to ASIS or to allow for comfortable sitting.  
All measurements in millimeters.  
Effective heel height of a shoe measured and recorded.

### Shipping the Cast

Good quality box is being used.  
Cast is completely set and dry. Plaster casts are required to be set overnight before shipping.  
C-Brace order form and checklist completed and enclosed.  
Online training should be completed, if not already done.  
Consider possible participation in the C-Brace clinic study registry.

### Final Check

Casting quality evaluated prior to shipping and patient is re-casted if any alignment, height, or quality concerns are noted.  
Ottobock fabrication services may request a new impression, if there are alignment or quality concerns.

### Contraindications

- Inability to advance the limb through compensatory motion or grade 3 hip flexor
- Insufficient trunk stability
- Moderate to severe spasticity
- A flexion contraction of more than 10° in the knee and/or hip joint
- Genu varus/valgus of more than 10° that cannot be corrected
- Body weight > 275 lbs.
- Leg length discrepancy > 6 inches